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Colin Hinson

In the village of Blunham, Bedfordshire, UK.

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The following Defence Standard file reference relates to the work on this Standard - D/D Stan/318/27/08.

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#### Revision of Defence Standards

Defence Standards are revised when necessary by the issue either of amendments or of revised editions. It is important that users of Defence Standards should ascertain that they are in possession of the latest amendments or editions. Information on all Defence Standards is contained in Def Stan 00-00 (Part 3) Section 4, Index of Standards for Defence Procurement - Index of Defence Standards and Specifications published annually and supplemented periodically by Standards in Defence News. Any person who, when making use of a Defence Standard encounters an inaccuracy or ambiguity is requested to notify the Directorate of Standardization without delay in order that the matter may be investigated and appropriate action taken.

OBSOLESCE

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**Ministry of Defence**

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**Defence Standard**

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**59-35 (PART 3) / Issue 1**

**20th July 1972**

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**CONNECTORS FOR d.c. AND LOW  
FREQUENCY APPLICATIONS**

**／ OBSOLESCE ＼**

**THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT**

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CONNECTORS FOR d.c. AND LOW FREQUENCY APPLICATIONS

1. This Defence Standard relates to electrical connectors for d.c. and low frequency applications for Ministry of Defence use.
2. This Standard implements, as far as possible, BS 9000 'General requirements for electronic parts of assessed quality', and BS 9520 'Electrical connectors of assessed quality for frequencies below 3 MHz: generic data and methods of test'.
3. Sections of this Standard implement selected BS 9520 series Detail Specifications, and define the standard or maintenance ranges of connectors for Ministry of Defence use.
4. In selecting connectors for Ministry of Defence applications the order of preference shall be:
  - a. Connectors to this Standard and its dependant Detail Sections, ie SECTION 1, 2 etc.
  - b. Connectors to DEF STAN 59 - 35(PART 1) and its dependant Detail Specifications, ie SECTION 1, 2 etc.
  - c. Connectors to any other Ministry of Defence specification, ie DEF STAN 59-35(PART 5), DEF STAN 59.- 4(PART 8).
5. This Standard is in accordance with the policy laid down by the Ministry of Defence in relation to items produced under the BS 9000 scheme and authorities concerned are to implement it from its date of issue.
6. If this Standard should be found unsuitable for a particular requirement the Director of Standardization shall be informed of the circumstances.

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| <u>CLAUSE</u> | <u>TITLE</u>                         | <u>PAGE</u> |
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| 3             | APPROVAL                             | 4           |
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ELECTRICAL CONNECTORS FOR d.c. AND LOW FREQUENCY (BELOW 3 MHz) APPLICATIONS1. SCOPE

This Standard relates to electrical connectors for d.c. and frequencies below 3 MHz applications and specifies the general requirements and procedures to be adopted by the Ministry of Defence in relation to the implementation of BS 9520 series Specifications.

2. RELATED SPECIFICATIONS AND DOCUMENTS

- a. BS 9000 'General requirements for electronic parts of assessed quality'
- BS 9001 'Sampling procedures and tables for inspection by attributes for electronic parts of assessed quality'
- BS 9002 'Qualified parts list for electronic parts of assessed quality'
- BS 9520 'Electrical connectors of assessed quality for frequencies below 3 MHz : generic data and methods of test'
- / BS 9521 'Specification for contacts (removable) for connectors of assessed quality'
- BS 9522 'Rules for the preparation of detail specifications for circular connectors'
- / BS 9523 'Rules for the preparation of detail specifications for rectangular connectors'
- / BS 9524 'Rules for the preparation of detail specifications for edge socket connectors'
- BS 2011 'Methods for the environmental testing of electronic components and electronic equipment'
- DEF STAN 59 - 4(PART 8) 'Plugs and sockets, electrical. Type BMS'
- DEF STAN 59 - 35(PART 1) 'Plugs and sockets, electrical, with soldered terminations (d.c. and low frequency applications)'
- DEF STAN 59 - 35(PART 5) 'Plugs and sockets, electrical. Pattern 608'
- DEF STAN 59 - 59 'Services qualified products list of electronic components'
- DEF-1234-A 'Production requirements for Service packaging'
- DG-11 (September 1969) 'Design requirements for Service packaging'
- HQPO 38 'Packaging of plugs and sockets, electrical'.
- b. Details of individual types of connectors are contained within Sections which form part of the DEF STAN 59 - 35(PART 3) series, and are as follows:
- SECTION 1) will list selected connectors for Ministry of Defence
- SECTION 2) applications from BS 9520 series Detail Specifications,
- SECTION 3) eg BS 9522, N001, BS 9522, N002 etc.

Additional Sections will be added as or when made necessary by the publication of further BS Detail Specifications in this series.

Note / indicates British Standards not yet published.

2. c. Reference in this Standard to any document listed above means, in any tender or contract the edition and any amendments current at the date of such tender or contract. If any document has been superseded by another document, the edition of the superseding document current at that date shall apply. If a document listed above is identified by a date, issue number, or a suffix letter, only that edition will apply in any tender or contract.

d. Copies of documents referred to above are obtainable as follows:

British Standards, from: The British Standards Institution  
(Sales Branch)  
Newton House  
Pentonville Road  
London, N1 9ND

Defence Specifications and Defence Guides, from:

Her Majesty's Stationery Office

HQPO Specifications, from: Ministry of Defence (PE)  
EQD  
'Aquila'  
Golf Road  
Bromley  
Kent  
BR1 2JB

Defence Standards, from: Directorate of Standardization  
Ministry of Defence  
First Avenue House  
High Holborn  
London  
WC1V 6HE

### 3. APPROVAL

a. Connectors manufactured and approved to BS 9520 series Specifications may be approved as Ministry of Defence connectors provided the additional requirements of this Standard and the relevant Section are met.

b. The Ministry of Defence Approval Authority is the Directorate of Standardization which has discretion to grant approval on presentation of evidence, certified by EQAD, of compliance with the terms of this Standard.

c. Details of manufacturers and products which are approved to this Standard and the relevant Section are given in DEF STAN 59 - 59.

### 4. ADDITIONAL REQUIREMENTS

a. Marking. In addition to the requirements of clause 1.1.6 of BS 9520 the following symbols or codes shall be marked on the primary pack:

(1) NATO Stock Number.

(2) Any additional marking as required by the relevant Section of this Standard.

4. b. Packaging instructions. The standard of packaging will normally be specified in the tender or contract.
- ✓ (1) When 'full', 'restricted', or 'primary' standards are specified, packaging shall be in accordance with HQPO 38 'Packaging of plugs and sockets, electrical'.
  - (2) When 'trade' packages are specified, packaging shall be in accordance with DG-11, Part 1, Section 2.
  - (3) When no packaging is specified, packaging shall be in accordance with DG-11, DEF-1234-A, and the relevant Services Packaging Instruction Sheet (Form 673) issued by the Packaging Design Authority named in the tender or contract.

OBSOLESCE

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**Ministry of Defence**

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**Defence Standard**

**59-35(PART 3)**

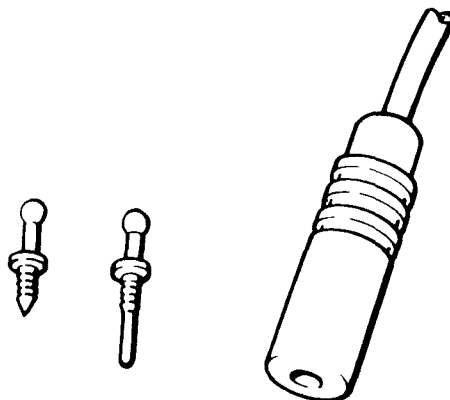
**SECTION 4/Issue 1**

**17 February 1978**

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**PLUGS AND SOCKETS ELECTRICAL  
PART 3: ELECTRICAL CONNECTORS  
BELOW 3MHz**

**SECTION 4: PATTERN 9525 F0003**



**OBSOLESCE**

**THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT**

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DEF STAN 59-35(PART 3)

SECTION 4/1

PLUGS AND SOCKETS, ELECTRICAL  
PART 3: ELECTRICAL CONNECTORS  
SECTION 4: PATTERN 9525 F0003

1. This Section of the Defence Standard lists the standard range of items conforming to BS 9525 F0003 Detail Specification for electrical connectors, (miniature snap-on free connector and ball-ended test points with solder terminations for printed board (or metal chassis) mounting, environmental category 55/125/56, basic assessment plus additional level) for Ministry of Defence use. All the requirements of BS 9525 F0003 are applicable.
2. This Section of the Standard is to be used in conjunction with DEF STAN 59-35 (PART 3) which specifies additional requirements for the marking and packaging of connectors for Service use.
3. Table I lists the standard range of Pattern 9525 F0003 items. There are no Tables II or III.
4. For all requirements IT IS ESSENTIAL THAT EQUIPMENT DESIGNERS WORK TO THE DIMENSIONS STATED IN BS 9525 F0003 AND NOT TO INDIVIDUAL SPECIMENS.
5. It is essential that having selected a particular component from the ranges listed herein, reference is made to:

a. DEF STAN 59-59 'Electrical/electronic components for Defence use - Services qualified products list'

or

b. PD 9002 'BS 9000 Components selection guide. Part 1: Qualified products list'

to ascertain that a Qualification Approval Certificate is extant for the item concerned. If there is no such certificate at the time of selection, then the relevant NATO Stock Number(s) listed shall not be used. Where no Qualification Approval exists for an item, then the procedure given in DEF STAN 59-36(PART 2) shall apply.

6. When ordering components listed in this Standard the ordering information required by BS 9525 F0003 clause 4, this Defence Standard number, and the NATO Stock Number(s) shall be stated; together with the requirements for packaging (ie full, primary, restricted level, or trade pack).

Example for ordering - BS 9525 F0003 and DEF STAN 59-35(PART 3) Section 4.  
Style FB 0003 01 BK, NATO Stock Number 5935-99-017-3298, Trade pack.

7. This Standard has been agreed by all authorities concerned who are to implement it from its date of issue.
8. If this Standard should be found unsuitable for a particular requirement, the Director of Standardization shall be informed of the circumstances.

TABLE I  
STANDARD RANGE

| PAGE<br>ITEM<br>NO | NATO STOCK<br>NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT CODE |      |              | BS 9525 F0003<br>STYLE<br>REFERENCE :<br>FB 0003 | COLOUR | ITEM DESCRIPTION                                                  |
|--------------------|----------------------------------|----------------------------|------|--------------|--------------------------------------------------|--------|-------------------------------------------------------------------|
|                    |                                  | NAVY                       | ARMY | AIR<br>FORCE |                                                  |        |                                                                   |
|                    |                                  | (b)                        | (c)  | (d)          | (e)                                              | (f)    | (g)                                                               |
| 1                  | 017-3276                         |                            |      |              | 01 BK                                            | Black  | CONNECTOR, ELECTRICAL, FREE(socket)                               |
| 2                  | 017-3277                         |                            |      |              | 01 BN                                            | Brown  |                                                                   |
| 3                  | 017-3278                         |                            |      |              | 01 RD                                            | Red    |                                                                   |
| 4                  | 017-3279                         |                            |      |              | 01 OE                                            | Orange |                                                                   |
| 5                  | 017-3280                         |                            |      |              | 01 YW                                            | Yellow |                                                                   |
| 6                  | 017-3281                         |                            |      |              | 01 GN                                            | Green  |                                                                   |
| 7                  | 017-3282                         |                            |      |              | 01 BE                                            | Blue   |                                                                   |
| 8                  | 017-3283                         |                            |      |              | 01 VT                                            | Violet |                                                                   |
| 9                  | 017-3284                         |                            |      |              | 01 GY                                            | Grey   |                                                                   |
| 10                 | 017-3285                         |                            |      |              | 01 WE                                            | White  |                                                                   |
| 11                 | 017-3286                         |                            |      |              | 01 PK                                            | Pink   |                                                                   |
| 12                 | 017-3287                         |                            |      |              | 02 BK                                            | Black  | CONNECTOR, ELECTRICAL, FIXED<br>(test point for chassis mounting) |
| 13                 | 017-3288                         |                            |      |              | 02 BN                                            | Brown  |                                                                   |
| 14                 | 017-3289                         |                            |      |              | 02 RD                                            | Red    |                                                                   |
| 15                 | 017-3290                         |                            |      |              | 02 OE                                            | Orange |                                                                   |
| 16                 | 017-3291                         |                            |      |              | 02 YW                                            | Yellow |                                                                   |
| 17                 | 017-3292                         |                            |      |              | 02 GN                                            | Green  |                                                                   |
| 18                 | 017-3293                         |                            |      |              | 02 BE                                            | Blue   |                                                                   |
| 19                 | 017-3294                         |                            |      |              | 02 VT                                            | Violet |                                                                   |
| 20                 | 017-3295                         |                            |      |              | 02 GY                                            | Grey   |                                                                   |
| 21                 | 017-3296                         |                            |      |              | 02 WE                                            | White  |                                                                   |
| 22                 | 017-3297                         |                            |      |              | 02 PK                                            | Pink   |                                                                   |

Notes applicable to this Table are on page 5

TABLE I  
STANDARD RANGE - CONTINUED

| PAGE<br>ITEM<br>NO | NATO STOCK<br>NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT CODE |      |              | BS 9525 F0003<br>STYLE<br>REFERENCE :<br>FB 0003 | COLOUR         | ITEM DESCRIPTION                                                                                                                |
|--------------------|----------------------------------|----------------------------|------|--------------|--------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------|
|                    |                                  | NAVY                       | ARMY | AIR<br>FORCE |                                                  |                |                                                                                                                                 |
|                    | (a)                              | (b)                        | (c)  | (d)          | (e)                                              | (f)            | (g)                                                                                                                             |
| 1                  | 017-3298                         |                            |      |              | 03                                               | not applicable | CONNECTOR, ELECTRICAL, FIXED (4 mm stand-off test point for printed board through-plated hole mounting, with split barb fixing) |
| 2                  | 017-3299                         |                            |      |              | 04                                               |                | CONNECTOR, ELECTRICAL, FIXED (4 mm stand-off test point for printed board through-plated hole mounting)                         |
| 3                  | 017-3300                         |                            |      |              | 05                                               |                | CONNECTOR, ELECTRICAL, FIXED (6 mm stand-off test point for printed board through-plated hole mounting)                         |
| 4                  | 017-3301                         |                            |      |              | 06                                               |                | CONNECTOR, ELECTRICAL, FIXED (4 mm stand-off test point for printed board mounting)                                             |
| 5                  | 017-3302                         |                            |      |              | 07                                               |                | CONNECTOR, ELECTRICAL, FIXED (4.5 mm stand-off test point for printed board mounting)                                           |
| 6                  | 017-3303                         |                            |      |              | 08                                               |                | CONNECTOR, ELECTRICAL, FIXED (4.5 mm lead-through test point for printed board mounting)                                        |
| 7                  | 017-3304                         |                            |      |              | 09                                               |                | CONNECTOR, ELECTRICAL, FIXED (4 mm lead-through test point for printed board mounting)                                          |

Notes applicable to this Table are on page 5

DEF STAN 59-35(PART 3)  
SECTION 4/1  
TABLE I (CONTD)

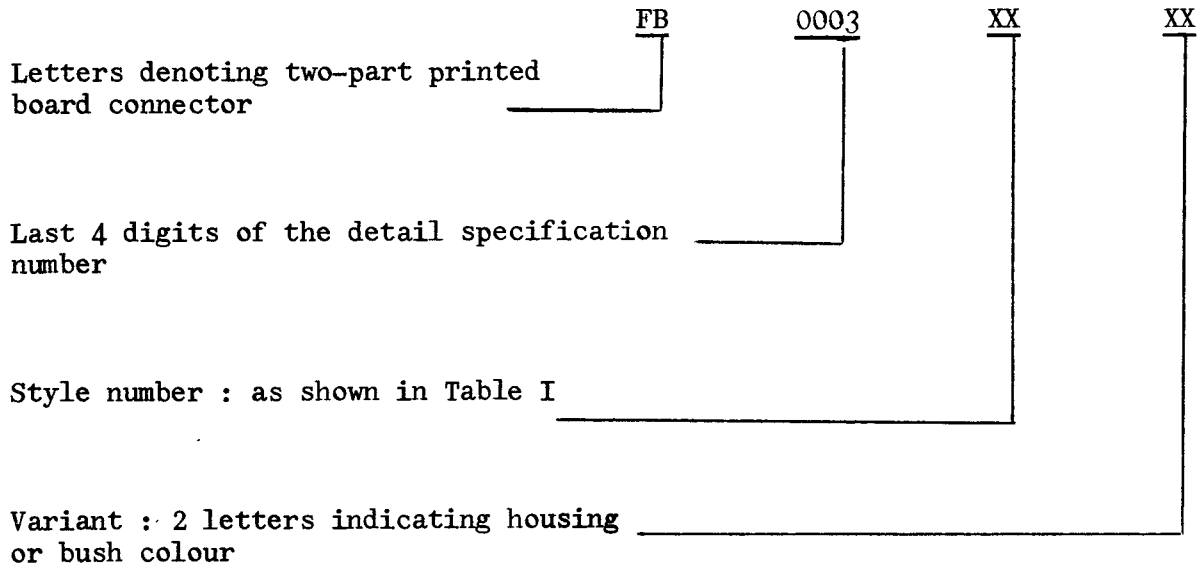
TABLE I  
STANDARD RANGE - CONTINUED

| PAGE<br>ITEM<br>NO | NATO STOCK<br>NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT CODE |      |              | BS 9525 F0003<br>STYLE<br>REFERENCE :<br>FB 0003 | COLOUR | ITEM DESCRIPTION                                                                                    |
|--------------------|----------------------------------|----------------------------|------|--------------|--------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------|
|                    |                                  | NAVY                       | ARMY | AIR<br>FORCE |                                                  |        |                                                                                                     |
|                    | (a)                              | (b)                        | (c)  | (d)          | (e)                                              | (f)    | (g)                                                                                                 |
| 1                  | 017-3305                         |                            |      |              | 10 BK                                            | Black  | BAND IDENTIFICATION (colour coding ring<br>for use with item numbers 1 to 7<br>inclusive on page 3) |
| 2                  | 017-3306                         |                            |      |              | 10 BN                                            | Brown  |                                                                                                     |
| 3                  | 017-3307                         |                            |      |              | 10 RD                                            | Red    |                                                                                                     |
| 4                  | 017-3308                         |                            |      |              | 10 OE                                            | Orange |                                                                                                     |
| 5                  | 017-3309                         |                            |      |              | 10 YW                                            | Yellow |                                                                                                     |
| 6                  | 017-3310                         |                            |      |              | 10 GN                                            | Green  |                                                                                                     |
| 7                  | 017-3311                         |                            |      |              | 10 BE                                            | Blue   |                                                                                                     |
| 8                  | 017-3312                         |                            |      |              | 10 VT                                            | Violet |                                                                                                     |
| 9                  | 017-3313                         |                            |      |              | 10 GY                                            | Grey   |                                                                                                     |
| 10                 | 017-3314                         |                            |      |              | 10 WE                                            | White  |                                                                                                     |
| 11                 | 017-3315                         |                            |      |              | 10 PK                                            | Pink   |                                                                                                     |

Notes applicable to this Table are on page 5

NOTES APPLICABLE TO TABLE I

1. Service management codes are not available at the time of publication, they may be added later by Amendment action.
2. The BS 9525 F0003 style reference is a code consisting of abbreviations to identify individual connectors, as follows:



Example reference number FB 0003 01 BK

The approved item name, for codification purposes, of items on pages 2 and 3 is Terminal, quick disconnect. The title and description of 'connector' has been used in this Standard to maintain compatibility with BS 9525 F0003.

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**Ministry of Defence**

**OBSOLESCENT**

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**Defence Standard**

**59-35(PART 3)**

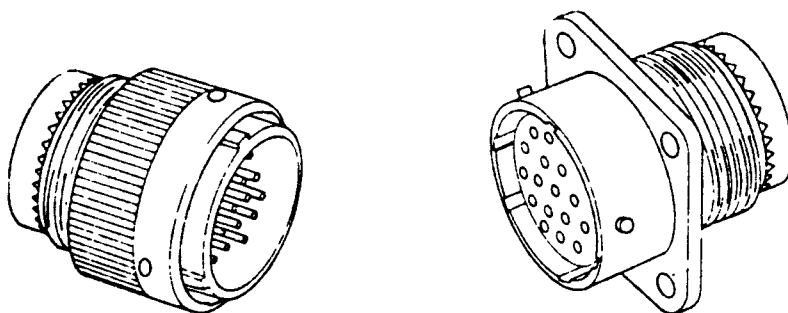
**SECTION 5/Issue 1**

**15th September 1981**

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**CONNECTORS, ELECTRICAL  
PART 3: CONNECTORS FOR d.c. AND  
LOW FREQUENCY APPLICATIONS  
SECTION 5: PATTERN 9522 F0038**

**LIST OF ITEMS CONFORMING TO  
BS 9522 F0038**



**／ OBSOLESCENT ＼**

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CONNECTORS, ELECTRICAL

PART 3: CONNECTORS, ELECTRICAL, FOR dc AND LOW FREQUENCY APPLICATIONS

SECTION 5: PATTERN 9522 F0038

(Formerly known as MOD Pattern 603)

AMENDMENT 1

- 1 Page 4, SUMMARY OF TECHNICAL INFORMATION, under BS 9522 N0001
- 1.1 Delete: 13 amps Size 16 contact  
Substitute: 10 amps Size 16 contact
- 1.2 Delete: 23 amps Size 12 contact  
Substitute: 20 amps Size 12 contact
- 2 Page 33, TABLE I(Q), PAGE ITEM Nos 1 AND 2, column (a)  
Delete: 08 and 10  
Substitute: 20 and 16 respectively
- 3 Make a note of this amendment on the Amendment Record.

10 DECEMBER 1982

DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON WC1V 6HE

D/D STAN/59/7/33 (Stan 8c)

VDU Disk No 593 (AA)

CONNECTORS, ELECTRICAL

PART 3: CONNECTORS, ELECTRICAL, FOR dc AND LOW FREQUENCY APPLICATIONS

SECTION 5: PATTERN 9522 F0038

(Formerly known as MOD Pattern 603)

1. This Section of Defence Standard 59-35 (PART 3) implements BS 9522 F0038 Detail Specification for electrical connectors for dc and low frequency applications, multi-contact, circular, bayonet coupling, with front release, rear removable, crimp contacts. Environmental category 55/125/56. It is for Ministry of Defence use.
2. This Section of the Standard is to be used in conjunction with DEF STAN 59-35 (PART 3) 'Connectors, electrical, for dc and low frequency applications' and BS 9520 'Specification for electrical, connectors of assessed quality for frequencies below 3 MHz. All the requirements are applicable unless stated herein.
3. Tables I(A) to I(Q) inclusive, list the standard range of connectors, electrical, and accessories to be used in all future designs of equipment and, wherever acceptable, for the maintenance of existing equipment.
- 3.1 The fine ribbed coupling nut styles are 'non-preferred' for Navy use. The Navy should use the coarse ribbed coupling nut versions in lieu.
4. There are no Tables II or III.
5. Defence Standard 59-35 (PART 99), when published, will contain data sheets for connectors, electrical, which specify technical data related to BS 9000 Detail Specifications.
6. Related specifications and documents are listed in DEF STAN (PART 3) and Annex A of this Section of the Standard.
7. This Section of the Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer, see Annex B. It will be reviewed twelve months after publication.
8. This Section of the Standard has been agreed by authorities concerned. It is to be implemented, where practicable, in all designs, contracts, orders, etc commencing after its date of publication. If a difficulty arises which prevents application of this Standard, the Directorate of Standardization shall be informed so that a remedy can be sought.
9. Any enquiries regarding this Section of the Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

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| SUMMARY OF TECHNICAL INFORMATION FOR CONNECTORS, ELECTRICAL      |             |

TABLES                      CONNECTORS, ELECTRICAL, PATTERN 9522 F0038

|        |                                                          |    |
|--------|----------------------------------------------------------|----|
| I(A) ) | ( STYLE No C2001: FREE WITH ACCESSORY THREAD             | 9  |
| )      | (                                                        |    |
| I(B) ) | ( STYLE No C2003: FREE (COARSE RIBBED COUPLING NUT       | 12 |
| )      | ( WITH ACCESSORY THREAD                                  |    |
| )      | (                                                        |    |
| I(C) ) | STANDARD ( STYLE No C2005: FIXED, SQUARE FLANGE, 6 HOLE, | 15 |
| )      | ( FRONT OR REAR MOUNTING, WITH ACCESSORY THREAD          |    |
| )      | RANGE (                                                  |    |
| I(D) ) | ( STYLE No C2007: FIXED, SINGLE HOLE MOUNTING WITH       | 18 |
| )      | ( ACCESSORY THREAD                                       |    |
| )      | (                                                        |    |
| I(E) ) | ( STYLE No C2008: FREE, IN LINE COUPLER WITH             | 21 |
| )      | ( ACCESSORY THREAD                                       |    |
| )      | (                                                        |    |

ACCESSORIES: PATTERN 9522 F0038

|        |                                                       |    |
|--------|-------------------------------------------------------|----|
| I(F) ) | ( STYLE No A2009: GROMMET NUT ASSEMBLY (INCLUDES      | 24 |
| )      | ( FOLLOWER)                                           |    |
| )      | (                                                     |    |
| I(G) ) | ( STYLE No A2010: CABLE CLAMP ASSEMBLY (INCLUDES      | 25 |
| )      | ( GROMMET FOLLOWER AND CABLE GROMMET - STYLE          |    |
| )      | ( A2011)                                              |    |
| )      | (                                                     |    |
| I(H) ) | ( STYLE No A2011: CABLE GROMMET                       | 26 |
| )      | (                                                     |    |
| I(J) ) | ( STYLE No A2012: COVER, ELECTRICAL CONNECTOR (FREE)  | 27 |
| )      | STANDARD (                                            |    |
| I(K) ) | ( STYLE No A2013: COVER, ELECTRICAL CONNECTOR (FIXED, | 28 |
| )      | RANGE ( TYPE 1)                                       |    |
| )      | (                                                     |    |
| I(L) ) | ( STYLE No A2014: COVER, ELECTRICAL CONNECTOR (FIXED, | 29 |
| )      | ( TYPE 2)                                             |    |
| )      | (                                                     |    |
| I(M) ) | ( STYLE No A2015: FILLER PLUG TYPE 1, PREFERRED       | 30 |
| )      | ( STYLE No A2016: FILLER PLUG TYPE 2                  |    |
| )      | (                                                     |    |
| I(N) ) | ( STYLE No A2203: SQUARE FLANGE STOWAGE               | 31 |
| )      | ( RECEPTACLE                                          |    |
| )      | (                                                     |    |
| I(P) ) | ( CONTACTS - MALE AND FEMALE                          | 32 |
| )      | (                                                     |    |
| I(Q) ) | ( STYLE No T2017: CONTACT INSERTION TOOL              | 33 |
| )      | ( STYLE No T2018: CONTACT REMOVAL TOOL                |    |

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| B - MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF) | 37          |

SUMMARY OF TECHNICAL INFORMATION  
FOR  
CONNECTORS, ELECTRICAL, LISTED IN TABLES I(A) - I(E)

BS 9532 F0038

|                                                  |                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------|
| Number of contacts                               | 3 to 61                                                                  |
| Contact finish                                   | Gold plated                                                              |
| Maximum current rating<br>per individual contact | 7.5 amps Size 20 contact<br>13 amps Size 16 contact                      |
| Environmental category                           | 55/125/56                                                                |
| Polarization                                     | Keys and keyways, preferred;<br>or angular disposition of the<br>insert. |
| Sealing                                          | Non-barrier sealed                                                       |

---

BS 9522 N0001

|                                                  |                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------|
| Number of contacts                               | 3 to 61                                                                        |
| Contact finish                                   | Gold plated                                                                    |
| Maximum current rating<br>per individual contact | 7.5 amps Size 20 contact<br>13 amps Size 16 contact<br>23 amps Size 12 contact |
| Environmental category                           | 55/125/56                                                                      |
| Polarization                                     | Keys and keyways, preferred;<br>or Angular disposition of the<br>insert.       |
| Sealing                                          | Non-barrier sealed                                                             |

Note: BS 9522 N0001 will eventually be implemented when Qualification Approvals are available.

CONNECTORS, ELECTRICAL

PATTERN 9522 F0038

GENERAL INFORMATION

1. SCOPE

- 1.1 This Section of Defence Standard 59-35 (PART 3) lists details of connectors, electrical, for dc and low frequency applications, multi-contact, circular, bayonet coupling, with front release, rear removable, crimp contacts. Environmental category 55/125/56.

2. WARNING

- 2.1 This Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.
- 2.2 Particular attention is drawn to the following hazard when used for mains power connections:
- 2.2.1 These connectors, electrical, do not conform to safety requirements in respect to earth pins or creepage distance.
- 2.3 This Section of the Standard has been devised for the use of the Crown and of its contractors in the execution of contracts for the Crown and, subject to the Unfair Contract Terms Act 1977, the Crown will not be liable in any way whatever (including but without limitation negligence on the part of the Crown, its servants or agents) where the Standard is used for other purposes.

3. QUALIFICATION APPROVAL

- 3.1 It is essential that having selected a particular component from the Standard Range listed in this Section of the Standard, reference is made to:

DEF STAN 59-59                      'Electrical/Electronic components for Defence use  
Services qualified products list'

or

PD 9002                              'BS 9000 and BS CECC: Qualified products list'

to ascertain that a Qualification Approval Certificate is extant for the item concerned. If there is no such certificate at the time of selection, then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

- 3.1 1 Where no Qualification Approval exists, or selection from an item in Table I cannot be made, then the procedure given in DEF STAN 59-36 (PART 2) shall apply.

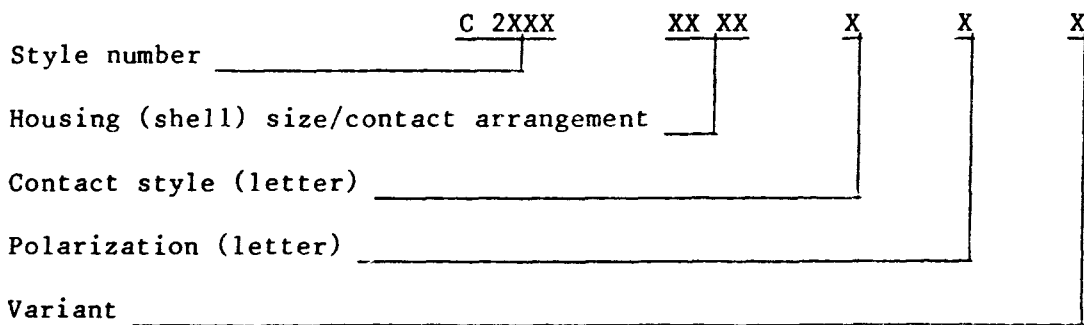
4. ORDERING INFORMATION

- 4.1 When ordering connectors, electrical, listed in this Section of the Standard the ordering information required by BS 9522 F0038, clause 4, this Defence Standard number, and the NATO Stock Number(s) shall be stated, together with the packaging requirements.
- 4.2 Ordering and packaging of filler plugs for connectors, electrical listed in this Section of the Standard shall be a matter for agreement between customer and vendor and as directed in the contract.
- 4.3 If any difficulties arise from the identification of connectors, electrical, against NATO Stock Number(s), clarification should be sought from:

The Defence Codification Authority  
 Ministry of Defence  
 Leysdown Road  
 Nottingham  
 London SE9 3NN

5. STYLE REFERENCE

- 5.1 The style references used in this Section of the Standard are in accordance with clause 1.1.6 of BS 9520 and consist of abbreviations to identify individual connectors as follows:



|                                                |                                             |
|------------------------------------------------|---------------------------------------------|
| Style number:                                  | As shown in headings to TABLES I(A) to I(E) |
| Housing (shell) size/<br>contact arrangements: | Four digits as shown in TABLES I(A) to I(E) |
| Contact style:                                 | M = male contact, F = female contact        |

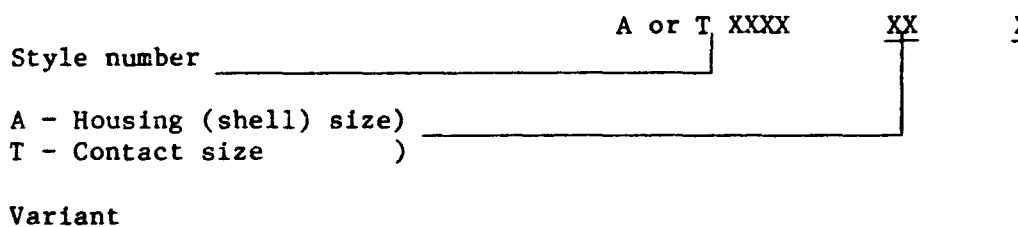
Polarization: Letter assigned to a particular arrangement of housing (shell) keys and keyways or to a particular angular disposition of an insert, see Appendix A of BS 9522 F0038.

Variant: A digit denoting any variation from the basic specification.

0 = standard connector

5.1.1 Example style reference number: C2001 0833 MNO.

5.2 Marking of accessories (A) and tools (T) shall be as follows:



Style number: As shown in headings to TABLES I(F) to I(P)

Housing (shell) or contact size: Two digits for the appropriate housing (shell) or contact size as shown in TABLES I(F) to I(P). 00 where not applicable.

Variant: A digit denoting any variation from the basic specification.

0 = accessories of the standard connector

5.2.1 Example style reference numbers: A2009 08 0 Grommet nut assembly  
T2017 20 0 Contact insertion tool.

### 5.3 EXAMPLE FOR ORDERING

5.3.1 Connector, electrical, BS 9522 F0038, and DEF STAN 59-35 (PART 3) Section 5, Issue 0, Style C2001 08 33 MNO, NATO Stock Number 5935-99-648-9003.

Note: 0 indicates that the current Issue No is applicable.

## 6. PACKAGING INSTRUCTION

6.1 The packaging of connectors, electrical, is to be in accordance with the packaging instructions given in CPU/PIP/109-1, unless otherwise stated in any tender or contract.

6.2 Additional requirements for marking and packaging of Pattern 9522 F0038 connectors, electrical, for Service use are given in DEF STAN 59-35 (PART 3).

7. INTERMATEABILITY

- 7.1 Connectors, electrical, listed in this Section of the Standard are intermateable with those listed in DEF STAN (PART 3) Section 7 (Pattern 9522 F0017) and DEF STAN 59-56 (PART 1) Section 1 (Pattern 602).

8. INTERCHANGEABILITY

- 8.1 Connectors, electrical, listed in this Section of the Standard are interchangeable with those in DEF STAN (PART 3) Section 7, Pattern 9522 F0017 (formerly known as MOD Pattern 105).

9. ILLUSTRATIONS

- 9.1 The essential purpose of the illustrations shown in this Section of the Standard is to ensure mechanical interchangeability. IT IS ESSENTIAL THAT, FOR ALL REQUIREMENTS, DESIGNERS WORK TO THE DIMENSIONS STATED IN BS 9522 F0038 AND NOT TO THOSE OF INDIVIDUAL SPECIMENS.

10. SUPPLEMENTARY INFORMATION

- 10.1 Additional requirements to those specified by BS 9520 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

11. RELATIONSHIP BETWEEN DEFENCE STANDARD AND CECC/BS 9000 SERIES

- 11.1 For details of the relationship between Defence Standards and CECC/British Standard 9000 series reference should be made to DEF STAN 59-36 (PART 1).

12. IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

- 12.1 When CECC/BS Harmonized Sectional and Detail Specifications relevant to this Section of the Standard are published and their implementation is agreed by the MSO then this Section will be amended to give details of the CECC documents concerned, ie CECC 20 000 series.

13. CONTACTS - See Table I(P).

- 13.1 It should be noted that the size 12 contact in this Defence Standard will be utilized when BS 9522 F0038 is superseded by BS 9522 N0001. This Defence Standard will be amended to reflect the supersession.

TABLE I(A)

STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9522 F0038

STYLE: FREE, WITH ACCESSORY THREAD  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: C2001

| PAGE<br>ITEM<br>NO         | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|----------------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                            | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                            | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                            |                             |                             |                  |                                   |                                     |                                   |                                     |      |      |              |
| 1<br>2<br>3                | 08 - 33                     |                             | N                | C2001 08 33 MNO                   | 648-9003                            | C2001 08 33 FNO                   | 648-9050                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 08 33 MEO                   | 648-9004                            | C2001 08 33 FEO                   | 648-9051                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 08 33 MFO                   | 648-9005                            | C2001 08 33 FFO                   | 648-9052                            | --   | --   | --           |
| 4<br>5<br>6<br>7<br>8      | 10 - 02                     |                             | N                | C2001 10 02 MNO                   | 648-9006                            | C2001 10 02 FNO                   | 648-9053                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 10 02 MBO                   | 648-9007                            | C2001 10 02 FBO                   | 648-9054                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 10 02 MCO                   | 648-9008                            | C2001 10 02 FCO                   | 648-9055                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 10 02 MEO                   | 648-9009                            | C2001 10 02 FEO                   | 648-9056                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 10 02 MFO                   | 648-9010                            | C2001 10 02 FFO                   | 648-9057                            | --   | --   | --           |
| 9<br>10<br>11<br>12<br>13  | 10 - 06                     |                             | N                | C2001 10 06 MNO                   | 648-9011                            | C2001 10 06 FNO                   | 648-9058                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 10 06 MBO                   | 648-9012                            | C2001 10 06 FBO                   | 648-9059                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 10 06 MCO                   | 648-9013                            | C2001 10 06 FCO                   | 648-9060                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 10 06 MEO                   | 648-9014                            | C2001 10 06 FEO                   | 648-9061                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 10 06 MFO                   | 648-9015                            | C2001 10 06 FFO                   | 648-9062                            | --   | --   | --           |
| 14<br>15<br>16<br>17<br>18 | 10 - 07                     |                             | N                | C2001 10 07 MNO                   | 648-9016                            | C2001 10 07 FNO                   | 648-9063                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 10 07 MBO                   | 648-9017                            | C2001 10 07 FBO                   | 648-9064                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 10 07 MCO                   | 648-9018                            | C2001 10 07 FCO                   | 648-9065                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 10 07 MEO                   | 648-9019                            | C2001 10 07 FEO                   | 648-9066                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 10 07 MFO                   | 648-9020                            | C2001 10 07 FFO                   | 648-9067                            | --   | --   | --           |
| 19<br>20<br>21<br>22<br>23 | 12 - 03                     |                             | N                | C2001 12 03 MNO                   | 648-9021                            | C2001 12 03 FNO                   | 648-9068                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 12 03 MBO                   | 648-9022                            | C2001 12 03 FBO                   | 648-9069                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 12 03 MCO                   | 648-9023                            | C2001 12 03 FCO                   | 648-9070                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 12 03 MEO                   | 648-9024                            | C2001 12 03 FEO                   | 648-9071                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 12 03 MFO                   | 648-9025                            | C2001 12 03 FFO                   | 648-9072                            | --   | --   | --           |
| 24<br>25<br>26<br>27<br>28 | 12 - 10                     |                             | N                | C2001 12 10 MNO                   | 648-9026                            | C2001 12 10 FNO                   | 648-9073                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 12 10 MBO                   | 648-9027                            | C2001 12 10 FBO                   | 648-9074                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 12 10 MCO                   | 648-9028                            | C2001 12 10 FCO                   | 648-9075                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 12 10 MEO                   | 648-9029                            | C2001 12 10 FEO                   | 648-9076                            | --   | --   | --           |
|                            |                             |                             | F                | C2001 12 10 MFO                   | 648-9030                            | C2001 12 10 FFO                   | 648-9077                            | --   | --   | --           |
| 29<br>30<br>31<br>32<br>33 | 14 - 02                     |                             | N                | C2001 14 02 MNO                   | 648-9031                            | C2001 14 02 FNO                   | 648-9078                            | --   | --   | --           |
|                            |                             |                             | B                | C2001 14 02 MBO                   | 648-9032                            | C2001 14 02 FBO                   | 648-9079                            | --   | --   | --           |
|                            |                             |                             | C                | C2001 14 02 MCO                   | 648-9033                            | C2001 14 02 FCO                   | 648-9080                            | --   | --   | --           |
|                            |                             |                             | E                | C2001 14 02 MEO                   | 648-9034                            | C2001 14 02 FEO                   | 648-9081                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(A) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2001 14 05 MNO                   | 648-9035                            | C2001 14 05 FNO                   | 648-9082                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2001 14 05 MBO                   | 648-9036                            | C2001 14 05 FBO                   | 648-9083                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2001 14 05 MCO                   | 648-9037                            | C2001 14 05 FCO                   | 648-9084                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2001 14 05 MEO                   | 648-9038                            | C2001 14 05 FEO                   | 648-9085                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2001 14 05 MFO                   | 648-9039                            | C2001 14 05 FFO                   | 648-9086                            | --   | --   | --           |
| 6                  | 14 - 12                     |                             | N                | C2001 14 12 MNO                   | 648-9040                            | C2001 14 12 FNO                   | 648-9087                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2001 14 12 MBO                   | 648-9041                            | C2001 14 12 FBO                   | 648-9088                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2001 14 12 MCO                   | 648-9042                            | C2001 14 12 FCO                   | 648-9089                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2001 14 12 MEO                   | 648-9043                            | C2001 14 12 FEO                   | 648-9090                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2001 14 12 MFO                   | 648-9044                            | C2001 14 12 FFO                   | 648-9091                            | --   | --   | --           |
| 11                 | 14 - 19                     |                             | N                | C2001 14 19 MNO                   | 648-9045                            | C2001 14 19 FNO                   | 648-9092                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2001 14 19 MBO                   | 648-9046                            | C2001 14 19 FBO                   | 648-9093                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2001 14 19 MCO                   | 648-9047                            | C2001 14 19 FCO                   | 648-9094                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2001 14 19 MEO                   | 648-9048                            | C2001 14 19 FEO                   | 648-9095                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2001 14 19 MFO                   | 648-9049                            | C2001 14 19 FFO                   | 648-9096                            | --   | --   | --           |
| 16                 | 14 - 22                     |                             | N                | C2001 14 22 MNO                   | 648-9097                            | C2001 14 22 FNO                   | 648-9147                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2001 14 22 MBO                   | 648-9098                            | C2001 14 22 FBO                   | 648-9148                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2001 14 22 MCO                   | 648-9099                            | C2001 14 22 FCO                   | 648-9149                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2001 14 22 MEO                   | 648-9100                            | C2001 14 22 FEO                   | 648-9150                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2001 14 22 MFO                   | 648-9101                            | C2001 14 22 FFO                   | 648-9151                            | --   | --   | --           |
| 21                 | 16 - 08                     |                             | N                | C2001 16 08 MNO                   | 648-9102                            | C2001 16 08 FNO                   | 648-9152                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2001 16 08 MBO                   | 648-9103                            | C2001 16 08 FBO                   | 648-9153                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2001 16 08 MCO                   | 648-9104                            | C2001 16 08 FCO                   | 648-9154                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2001 16 08 MEO                   | 648-9105                            | C2001 16 08 FEO                   | 648-9155                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2001 16 08 MFO                   | 648-9106                            | C2001 16 08 FFO                   | 648-9156                            | --   | --   | --           |
| 26                 | 16 - 26                     |                             | N                | C2001 16 26 MNO                   | 648-9107                            | C2001 16 26 FNO                   | 648-9157                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2001 16 26 MBO                   | 648-9108                            | C2001 16 26 FBO                   | 648-9158                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2001 16 26 MCO                   | 648-9109                            | C2001 16 26 FCO                   | 648-9159                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2001 16 26 MEO                   | 648-9110                            | C2001 16 26 FEO                   | 648-9160                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2001 16 26 MFO                   | 648-9111                            | C2001 16 26 FFO                   | 648-9161                            | --   | --   | --           |
| 31                 | 18 - 11                     |                             | N                | C2001 18 11 MNO                   | 648-9112                            | C2001 18 11 FNO                   | 648-9162                            | --   | --   | --           |
| 32                 |                             |                             | B                | C2001 18 11 MBO                   | 648-9113                            | C2001 18 11 FBO                   | 648-9163                            | --   | --   | --           |
| 33                 |                             |                             | C                | C2001 18 11 MCO                   | 648-9114                            | C2001 18 11 FCO                   | 648-9164                            | --   | --   | --           |
| 34                 |                             |                             | E                | C2001 18 11 MEO                   | 648-9115                            | C2001 18 11 FEO                   | 648-9165                            | --   | --   | --           |
| 35                 |                             |                             | F                | C2001 18 11 MFO                   | 648-9116                            | C2001 18 11 FFO                   | 648-9166                            | --   | --   | --           |
| 36                 | 18 - 32                     |                             | N                | C2001 18 32 MNO                   | 648-9117                            | C2001 18 32 FNO                   | 648-9167                            | --   | --   | --           |
| 37                 |                             |                             | B                | C2001 18 32 MBO                   | 648-9118                            | C2001 18 32 FBO                   | 648-9168                            | --   | --   | --           |
| 38                 |                             |                             | C                | C2001 18 32 MCO                   | 648-9119                            | C2001 18 32 FCO                   | 648-9169                            | --   | --   | --           |
| 39                 |                             |                             | E                | C2001 18 32 MEO                   | 648-9120                            | C2001 18 32 FEO                   | 648-9170                            | --   | --   | --           |
| 40                 |                             |                             | F                | C2001 18 32 MFO                   | 648-9121                            | C2001 18 32 FFO                   | 648-9171                            | --   | --   | --           |

TABLE I(A) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    |                             |                             |                  |                                   |                                     |                                   |                                     |      |      |              |
| 1                  | 20 - 16                     |                             | N                | C2001 20 16 MNO                   | 648-9122                            | C2001 20 16 FNO                   | 648-9172                            | - -  | - -  | - -          |
| 2                  |                             |                             | B                | C2001 20 16 MBO                   | 648-9123                            | C2001 20 16 FBO                   | 648-9173                            | - -  | - -  | - -          |
| 3                  |                             |                             | C                | C2001 20 16 MCO                   | 648-9124                            | C2001 20 16 FCO                   | 648-9174                            | - -  | - -  | - -          |
| 4                  |                             |                             | E                | C2001 20 16 MEO                   | 648-9125                            | C2001 20 16 FEO                   | 648-9175                            | - -  | - -  | - -          |
| 5                  |                             |                             | F                | C2001 20 16 MFO                   | 648-9126                            | C2001 20 16 FFO                   | 648-9176                            | - -  | - -  | - -          |
| 6                  | 20 - 41                     |                             | N                | C2001 20 41 MNO                   | 648-9127                            | C2001 20 41 FNO                   | 648-9177                            | - -  | - -  | - -          |
| 7                  |                             |                             | B                | C2001 20 41 MBO                   | 648-9128                            | C2001 20 41 FBO                   | 648-9178                            | - -  | - -  | - -          |
| 8                  |                             |                             | C                | C2001 20 41 MCO                   | 648-9129                            | C2001 20 41 FCO                   | 648-9179                            | - -  | - -  | - -          |
| 9                  |                             |                             | E                | C2001 20 41 MEO                   | 648-9130                            | C2001 20 41 FEO                   | 648-9180                            | - -  | - -  | - -          |
| 10                 |                             |                             | F                | C2001 20 41 MFO                   | 648-9131                            | C2001 20 41 FFO                   | 648-9181                            | - -  | - -  | - -          |
| 11                 | 22 - 21                     |                             | N                | C2001 22 21 MNO                   | 648-9132                            | C2001 22 21 FNO                   | 648-9182                            | - -  | - -  | - -          |
| 12                 |                             |                             | B                | C2001 22 21 MBO                   | 648-9133                            | C2001 22 21 FBO                   | 648-9183                            | - -  | - -  | - -          |
| 13                 |                             |                             | C                | C2001 22 21 MCO                   | 648-9134                            | C2001 22 21 FCO                   | 648-9184                            | - -  | - -  | - -          |
| 14                 |                             |                             | E                | C2001 22 21 MEO                   | 648-9135                            | C2001 22 21 FEO                   | 648-9185                            | - -  | - -  | - -          |
| 15                 |                             |                             | F                | C2001 22 21 MFO                   | 648-9136                            | C2001 22 21 FFO                   | 648-9186                            | - -  | - -  | - -          |
| 16                 | 22 - 55                     |                             | N                | C2001 22 55 MNO                   | 648-9137                            | C2001 22 55 FNO                   | 648-9187                            | - -  | - -  | - -          |
| 17                 |                             |                             | B                | C2001 22 55 MBO                   | 648-9138                            | C2001 22 55 FBO                   | 648-9188                            | - -  | - -  | - -          |
| 18                 |                             |                             | C                | C2001 22 55 MCO                   | 648-9139                            | C2001 22 55 FCO                   | 648-9189                            | - -  | - -  | - -          |
| 19                 |                             |                             | E                | C2001 22 55 MEO                   | 648-9140                            | C2001 22 55 FEO                   | 648-9190                            | - -  | - -  | - -          |
| 20                 |                             |                             | F                | C2001 22 55 MFO                   | 648-9141                            | C2001 22 55 FFO                   | 648-9191                            | - -  | - -  | - -          |
| 21                 | 24 - 61                     |                             | N                | C2001 24 61 MNO                   | 648-9142                            | C2001 24 61 FNO                   | 648-9192                            | - -  | - -  | - -          |
| 22                 |                             |                             | B                | C2001 24 61 MBO                   | 648-9143                            | C2001 24 61 FBO                   | 648-9193                            | - -  | - -  | - -          |
| 23                 |                             |                             | C                | C2001 24 61 MCO                   | 648-9144                            | C2001 24 61 FCO                   | 648-9194                            | - -  | - -  | - -          |
| 24                 |                             |                             | E                | C2001 24 61 MEO                   | 648-9145                            | C2001 24 61 FEO                   | 648-9195                            | - -  | - -  | - -          |
|                    |                             |                             | F                | C2001 24 61 MFO                   | 648-9146                            | C2001 24 61 FFO                   | 648-9196                            | - -  | - -  | - -          |

Notes applicable to this Table are on page 34

TABLE I(B)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 F0038

STYLE: FREE (COARSE RIBBED COUPLING NUT) WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: C2003

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIENTA-<br>TION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (i)          |
| 1                  | 08 - 33                     |                             | N                | C2003 08 33 MNO                   | 648-9197                            | C2003 08 33 FNO                   | 648-9244                            | --   | --   | --           |
| 2                  |                             |                             | E                | C2003 08 33 MEO                   | 648-9198                            | C2003 08 33 FEO                   | 648-9245                            | --   | --   | --           |
| 3                  |                             |                             | F                | C2003 08 33 MFO                   | 648-9199                            | C2003 08 33 FFO                   | 648-9246                            | --   | --   | --           |
| 4                  | 10 - 02                     |                             | N                | C2003 10 02 MNO                   | 648-9200                            | C2003 10 02 FNO                   | 648-9247                            | --   | --   | --           |
| 5                  |                             |                             | B                | C2003 10 02 MBO                   | 648-9201                            | C2003 10 02 FBO                   | 648-9248                            | --   | --   | --           |
| 6                  |                             |                             | C                | C2003 10 02 MCO                   | 648-9202                            | C2003 10 02 FCO                   | 648-9249                            | --   | --   | --           |
| 7                  |                             |                             | E                | C2003 10 02 MEO                   | 648-9203                            | C2003 10 02 FEO                   | 648-9250                            | --   | --   | --           |
| 8                  |                             |                             | F                | C2003 10 02 MFO                   | 648-9204                            | C2003 10 02 FFO                   | 648-9251                            | --   | --   | --           |
| 9                  | 10 - 06                     |                             | N                | C2003 10 06 MNO                   | 648-9205                            | C2003 10 06 FNO                   | 648-9252                            | --   | --   | --           |
| 10                 |                             |                             | B                | C2003 10 06 MBO                   | 648-9206                            | C2003 10 06 FBO                   | 648-9253                            | --   | --   | --           |
| 11                 |                             |                             | C                | C2003 10 06 MCO                   | 648-9207                            | C2003 10 06 FCO                   | 648-9254                            | --   | --   | --           |
| 12                 |                             |                             | E                | C2003 10 06 MEO                   | 648-9208                            | C2003 10 06 FEO                   | 648-9255                            | --   | --   | --           |
| 13                 |                             |                             | F                | C2003 10 06 MFO                   | 648-9209                            | C2003 10 06 FFO                   | 648-9256                            | --   | --   | --           |
| 14                 | 10 - 07                     |                             | N                | C2003 10 07 MNO                   | 648-9210                            | C2003 10 07 FNO                   | 648-9257                            | --   | --   | --           |
| 15                 |                             |                             | B                | C2003 10 07 MBO                   | 648-9211                            | C2003 10 07 FBO                   | 648-9258                            | --   | --   | --           |
| 16                 |                             |                             | C                | C2003 10 07 MCO                   | 648-9212                            | C2003 10 07 FCO                   | 648-9259                            | --   | --   | --           |
| 17                 |                             |                             | E                | C2003 10 07 MEO                   | 648-9213                            | C2003 10 07 FEO                   | 648-9260                            | --   | --   | --           |
| 18                 |                             |                             | F                | C2003 10 07 MFO                   | 648-9214                            | C2003 10 07 FFO                   | 648-9261                            | --   | --   | --           |
| 19                 | 12 - 03                     |                             | N                | C2003 12 03 MNO                   | 648-9215                            | C2003 12 03 FNO                   | 648-9262                            | --   | --   | --           |
| 20                 |                             |                             | B                | C2003 12 03 MBO                   | 648-9216                            | C2003 12 03 FBO                   | 648-9263                            | --   | --   | --           |
| 21                 |                             |                             | C                | C2003 12 03 MCO                   | 648-9217                            | C2003 12 03 FCO                   | 648-9264                            | --   | --   | --           |
| 22                 |                             |                             | E                | C2003 12 03 MEO                   | 648-9218                            | C2003 12 03 FEO                   | 648-9265                            | --   | --   | --           |
| 23                 |                             |                             | F                | C2003 12 03 MFO                   | 648-9219                            | C2003 12 03 FFO                   | 648-9266                            | --   | --   | --           |
| 24                 | 12 - 10                     |                             | N                | C2003 12 10 MNO                   | 648-9220                            | C2003 12 10 FNO                   | 648-9267                            | --   | --   | --           |
| 25                 |                             |                             | B                | C2003 12 10 MBO                   | 648-9221                            | C2003 12 10 FBO                   | 648-9268                            | --   | --   | --           |
| 26                 |                             |                             | C                | C2003 12 10 MCO                   | 648-9222                            | C2003 12 10 FCO                   | 648-9269                            | --   | --   | --           |
| 27                 |                             |                             | E                | C2003 12 10 MEO                   | 648-9223                            | C2003 12 10 FEO                   | 648-9270                            | --   | --   | --           |
| 28                 |                             |                             | F                | C2003 12 10 MFO                   | 648-9224                            | C2003 12 10 FFO                   | 648-9271                            | --   | --   | --           |
| 29                 | 14 - 02                     |                             | N                | C2003 14 02 MNO                   | 648-9225                            | C2003 14 02 FNO                   | 648-9272                            | --   | --   | --           |
| 30                 |                             |                             | B                | C2003 14 02 MBO                   | 648-9226                            | C2003 14 02 FBO                   | 648-9273                            | --   | --   | --           |
| 31                 |                             |                             | C                | C2003 14 02 MCO                   | 648-9227                            | C2003 14 02 FCO                   | 648-9274                            | --   | --   | --           |
| 32                 |                             |                             | E                | C2003 14 02 MEO                   | 648-9228                            | C2003 14 02 FEO                   | 648-9275                            | --   | --   | --           |
| 33                 |                             |                             |                  |                                   |                                     |                                   |                                     |      |      |              |

Notes applicable to this Table are on page 34

TABLE I(B) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2003 14 05 MNO                   | 648-9229                            | C2003 14 05 FNO                   | 648-9276                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2003 14 05 MBO                   | 648-9230                            | C2003 14 05 FBO                   | 648-9277                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2003 14 05 MCO                   | 648-9231                            | C2003 14 05 FCO                   | 648-9278                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2003 14 05 MEO                   | 648-9232                            | C2003 14 05 FEO                   | 648-9279                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2003 14 05 MFO                   | 648-9233                            | C2003 14 05 FFO                   | 648-9280                            | --   | --   | --           |
| 6                  | 14 - 12                     |                             | N                | C2003 14 12 MNO                   | 648-9234                            | C2003 14 12 FNO                   | 648-9281                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2003 14 12 MBO                   | 648-9235                            | C2003 14 12 FBO                   | 648-9282                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2003 14 12 MCO                   | 648-9236                            | C2003 14 12 FCO                   | 648-9283                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2003 14 12 MEO                   | 648-9237                            | C2003 14 12 FEO                   | 648-9284                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2003 14 12 MFO                   | 648-9238                            | C2003 14 12 FFO                   | 648-9285                            | --   | --   | --           |
| 11                 | 14 - 19                     |                             | N                | C2003 14 19 MNO                   | 648-9239                            | C2003 14 19 FNO                   | 648-9286                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2003 14 19 MBO                   | 648-9240                            | C2003 14 19 FBO                   | 648-9287                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2003 14 19 MCO                   | 648-9241                            | C2003 14 19 FCO                   | 648-9288                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2003 14 19 MEO                   | 648-9242                            | C2003 14 19 FEO                   | 648-9289                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2003 14 19 MFO                   | 648-9243                            | C2003 14 19 FFO                   | 648-9290                            | --   | --   | --           |
| 16                 | 14 - 22                     |                             | N                | C2003 14 22 MNO                   | 648-9291                            | C2003 14 22 FNO                   | 648-9341                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2003 14 22 MBO                   | 648-9292                            | C2003 14 22 FBO                   | 648-9342                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2003 14 22 MCO                   | 648-9293                            | C2003 14 22 FCO                   | 648-9343                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2003 14 22 MEO                   | 648-9294                            | C2003 14 22 FEO                   | 648-9344                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2003 14 22 MFO                   | 648-9295                            | C2003 14 22 FFO                   | 648-9345                            | --   | --   | --           |
| 21                 | 16 - 08                     |                             | N                | C2003 16 08 MNO                   | 648-9296                            | C2003 16 08 FNO                   | 648-9346                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2003 16 08 MBO                   | 648-9297                            | C2003 16 08 FBO                   | 648-9347                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2003 16 08 MCO                   | 648-9298                            | C2003 16 08 FCO                   | 648-9348                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2003 16 08 MEO                   | 648-9299                            | C2003 16 08 FEO                   | 648-9349                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2003 16 08 MFO                   | 648-9300                            | C2003 16 08 FFO                   | 648-9350                            | --   | --   | --           |
| 26                 | 16 - 26                     |                             | N                | C2003 16 26 MNO                   | 648-9301                            | C2003 16 26 FNO                   | 648-9351                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2003 16 26 MBO                   | 648-9302                            | C2003 16 26 FBO                   | 648-9352                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2003 16 26 MCO                   | 648-9303                            | C2003 16 26 FCO                   | 648-9353                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2003 16 26 MEO                   | 648-9304                            | C2003 16 26 FEO                   | 648-9354                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2003 16 26 MFO                   | 648-9305                            | C2003 16 26 FFO                   | 648-9355                            | --   | --   | --           |
| 31                 | 18 - 11                     |                             | N                | C2003 18 11 MNO                   | 648-9306                            | C2003 18 11 FNO                   | 648-9356                            | --   | --   | --           |
| 32                 |                             |                             | B                | C2003 18 11 MBO                   | 648-9307                            | C2003 18 11 FBO                   | 648-9357                            | --   | --   | --           |
| 33                 |                             |                             | C                | C2003 18 11 MCO                   | 648-9308                            | C2003 18 11 FCO                   | 648-9358                            | --   | --   | --           |
| 34                 |                             |                             | E                | C2003 18 11 MEO                   | 648-9309                            | C2003 18 11 FEO                   | 648-9359                            | --   | --   | --           |
| 35                 |                             |                             | F                | C2003 18 11 MFO                   | 648-9310                            | C2003 18 11 FFO                   | 648-9360                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(B) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 18 - 32                     |                             | N                | C2003 18 32 MNO                   | 648-9311                            | C2003 18 32 FNO                   | 648-9361                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2003 18 32 MBO                   | 648-9312                            | C2003 18 32 FBO                   | 648-9362                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2003 18 32 MCO                   | 648-9313                            | C2003 18 32 FCO                   | 648-9363                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2003 18 32 MEO                   | 648-9314                            | C2003 18 32 FEO                   | 648-9364                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2003 18 32 MFO                   | 648-9315                            | C2003 18 32 FFO                   | 648-9365                            | --   | --   | --           |
| 6                  | 20 - 16                     |                             | N                | C2003 20 16 MNO                   | 648-9316                            | C2003 20 16 FNO                   | 648-9366                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2003 20 16 MBO                   | 648-9317                            | C2003 20 16 FBO                   | 648-9367                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2003 20 16 MCO                   | 648-9318                            | C2003 20 16 FCO                   | 648-9368                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2003 20 16 MEO                   | 648-9319                            | C2003 20 16 FEO                   | 648-9369                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2003 20 16 MFO                   | 648-9320                            | C2003 20 16 FFO                   | 648-9370                            | --   | --   | --           |
| 11                 | 20 - 41                     |                             | N                | C2003 20 41 MNO                   | 648-9321                            | C2003 20 41 FNO                   | 648-9371                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2003 20 41 MBO                   | 648-9322                            | C2003 20 41 FBO                   | 648-9372                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2003 20 41 MCO                   | 648-9323                            | C2003 20 41 FCO                   | 648-9373                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2003 20 41 MEO                   | 648-9324                            | C2003 20 41 FEO                   | 648-9374                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2003 20 41 MFO                   | 648-9325                            | C2003 20 41 FFO                   | 648-9375                            | --   | --   | --           |
| 16                 | 22 - 21                     |                             | N                | C2003 22 21 MNO                   | 648-9326                            | C2003 22 21 FNO                   | 648-9376                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2003 22 21 MBO                   | 648-9327                            | C2003 22 21 FBO                   | 648-9377                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2003 22 21 MCO                   | 648-9328                            | C2003 22 21 FCO                   | 648-9378                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2003 22 21 MEO                   | 648-9329                            | C2003 22 21 FEO                   | 648-9379                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2003 22 21 MFO                   | 648-9330                            | C2003 22 21 FFO                   | 648-9380                            | --   | --   | --           |
| 21                 | 22 - 55                     |                             | N                | C2003 22 55 MNO                   | 648-9331                            | C2003 22 55 FNO                   | 648-9381                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2003 22 55 MBO                   | 648-9332                            | C2003 22 55 FBO                   | 648-9382                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2003 22 55 MCO                   | 648-9333                            | C2003 22 55 FCO                   | 648-9383                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2003 22 55 MEO                   | 648-9334                            | C2003 22 55 FEO                   | 648-9384                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2003 22 55 MFO                   | 648-9335                            | C2003 22 55 FFO                   | 648-9385                            | --   | --   | --           |
| 26                 | 24 - 61                     |                             | N                | C2003 24 61 MNO                   | 648-9336                            | C2003 24 61 FNO                   | 648-9386                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2003 24 61 MBO                   | 648-9337                            | C2003 24 61 FBO                   | 648-9387                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2003 24 61 MCO                   | 648-9338                            | C2003 24 61 FCO                   | 648-9388                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2003 24 61 MEO                   | 648-9339                            | C2003 24 61 FEO                   | 648-9389                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2003 24 61 MFO                   | 648-9340                            | C2003 24 61 FFO                   | 648-9390                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(C)

STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9522 F0038

STYLE: FIXED, SQUARE FLANGE, 4 HOLE, FRONT OR REAR MOUNTING WITH ACCESSORY THREAD  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: C2005

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIENTA-<br>TION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (i)          |
| 1                  | 08 - 33                     |                             | N                | C2005 08 33 MNO                   | 648-9391                            | C2005 08 33 FNO                   | 648-9438                            | - -  | - -  | - -          |
| 2                  |                             |                             | E                | C2005 08 33 MFO                   | 648-9392                            | C2005 08 33 FEO                   | 648-9439                            | - -  | - -  | - -          |
| 3                  |                             |                             | F                | C2005 08 33 MFO                   | 648-9393                            | C2005 08 33 FFO                   | 648-9440                            | - -  | - -  | - -          |
| 5                  | 10 - 02                     |                             | N                | C2005 10 02 MNO                   | 648-9394                            | C2005 10 02 FNO                   | 648-9441                            | - -  | - -  | - -          |
| 6                  |                             |                             | B                | C2005 10 02 MBO                   | 648-9395                            | C2005 10 02 FBO                   | 648-9442                            | - -  | - -  | - -          |
| 7                  |                             |                             | C                | C2005 10 02 MCO                   | 648-9396                            | C2005 10 02 FCO                   | 648-9443                            | - -  | - -  | - -          |
| 8                  |                             |                             | E                | C2005 10 02 MEO                   | 648-9397                            | C2005 10 02 FEO                   | 648-9444                            | - -  | - -  | - -          |
| 8                  |                             |                             | F                | C2005 10 02 MFO                   | 648-9398                            | C2005 10 02 FFO                   | 648-9445                            | - -  | - -  | - -          |
| 9                  | 10 - 06                     |                             | N                | C2005 10 06 MNO                   | 648-9399                            | C2005 10 06 FNO                   | 648-9446                            | - -  | - -  | - -          |
| 10                 |                             |                             | B                | C2005 10 06 MBO                   | 648-9400                            | C2005 10 06 FBO                   | 648-9447                            | - -  | - -  | - -          |
| 11                 |                             |                             | C                | C2005 10 06 MCO                   | 648-9401                            | C2005 10 06 FCO                   | 648-9448                            | - -  | - -  | - -          |
| 12                 |                             |                             | E                | C2005 10 06 MEO                   | 648-9402                            | C2005 10 06 FEO                   | 648-9449                            | - -  | - -  | - -          |
| 13                 |                             |                             | F                | C2005 10 06 MFO                   | 648-9403                            | C2005 10 06 FFO                   | 648-9450                            | - -  | - -  | - -          |
| 14                 | 10 - 07                     |                             | N                | C2005 10 07 MNO                   | 648-9404                            | C2005 10 07 FNO                   | 648-9451                            | - -  | - -  | - -          |
| 15                 |                             |                             | B                | C2005 10 07 MBO                   | 648-9405                            | C2005 10 07 FBO                   | 648-9452                            | - -  | - -  | - -          |
| 16                 |                             |                             | C                | C2005 10 07 MCO                   | 648-9406                            | C2005 10 07 FCO                   | 648-9453                            | - -  | - -  | - -          |
| 17                 |                             |                             | E                | C2005 10 07 MEO                   | 648-9407                            | C2005 10 07 FEO                   | 648-9454                            | - -  | - -  | - -          |
| 18                 |                             |                             | F                | C2005 10 07 MFO                   | 648-9408                            | C2005 10 07 FFO                   | 648-9455                            | - -  | - -  | - -          |
| 20                 | 12 - 03                     |                             | N                | C2005 12 03 MNO                   | 648-9409                            | C2005 12 03 FNO                   | 648-9456                            | - -  | - -  | - -          |
| 21                 |                             |                             | B                | C2005 12 03 MBO                   | 648-9410                            | C2005 12 03 FBO                   | 648-9457                            | - -  | - -  | - -          |
| 22                 |                             |                             | C                | C2005 12 03 MCO                   | 648-9411                            | C2005 12 03 FCO                   | 648-9458                            | - -  | - -  | - -          |
| 23                 |                             |                             | E                | C2005 12 03 MEO                   | 648-9412                            | C2005 12 03 FEO                   | 648-9459                            | - -  | - -  | - -          |
| 23                 |                             |                             | F                | C2005 12 03 MFO                   | 648-9413                            | C2005 12 03 FFO                   | 648-9460                            | - -  | - -  | - -          |
| 24                 | 12 - 10                     |                             | N                | C2005 12 10 MNO                   | 648-9414                            | C2005 12 10 FNO                   | 648-9461                            | - -  | - -  | - -          |
| 25                 |                             |                             | B                | C2005 12 10 MBO                   | 648-9415                            | C2005 12 10 FBO                   | 648-9462                            | - -  | - -  | - -          |
| 26                 |                             |                             | C                | C2005 12 10 MCO                   | 648-9416                            | C2005 12 10 FCO                   | 648-9463                            | - -  | - -  | - -          |
| 27                 |                             |                             | E                | C2005 12 10 MEO                   | 648-9417                            | C2005 12 10 FEO                   | 648-9464                            | - -  | - -  | - -          |
| 28                 |                             |                             | F                | C2005 12 10 MFO                   | 648-9418                            | C2005 12 10 FFO                   | 648-9465                            | - -  | - -  | - -          |
| 29                 | 14 - 02                     |                             | N                | C2005 14 02 MNO                   | 648-9419                            | C2005 14 02 FNO                   | 648-9466                            | - -  | - -  | - -          |
| 30                 |                             |                             | B                | C2005 14 02 MBO                   | 648-9420                            | C2005 14 02 FBO                   | 648-9467                            | - -  | - -  | - -          |
| 31                 |                             |                             | C                | C2005 14 02 MCO                   | 648-9421                            | C2005 14 02 FCO                   | 648-9468                            | - -  | - -  | - -          |
| 32                 |                             |                             | E                | C2005 14 02 MEO                   | 648-9422                            | C2005 14 02 FEO                   | 648-9469                            | - -  | - -  | - -          |
| 33                 |                             |                             |                  |                                   |                                     |                                   |                                     |      |      |              |

Notes applicable to this Table are on page 34

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| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2005 14 05 MNO                   | 648-9423                            | C2005 14 05 FNO                   | 648-9470                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2005 14 05 MBO                   | 648-9424                            | C2005 14 05 FBO                   | 648-9471                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2005 14 05 MCO                   | 648-9425                            | C2005 14 05 FCO                   | 648-9472                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2005 14 05 MEO                   | 648-9426                            | C2005 14 05 FEO                   | 648-9473                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2005 14 05 MFO                   | 648-9427                            | C2005 14 05 FFO                   | 648-9474                            | --   | --   | --           |
| 6                  | 14 - 12                     |                             | N                | C2005 14 12 MNO                   | 648-9428                            | C2005 14 12 FNO                   | 648-9475                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2005 14 12 MBO                   | 648-9429                            | C2005 14 12 FBO                   | 648-9476                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2005 14 12 MCO                   | 648-9430                            | C2005 14 12 FCO                   | 648-9477                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2005 14 12 MEO                   | 648-9431                            | C2005 14 12 FEO                   | 648-9478                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2005 14 12 MFO                   | 648-9432                            | C2005 14 12 FFO                   | 648-9479                            | --   | --   | --           |
| 11                 | 14 - 19                     |                             | N                | C2005 14 19 MNO                   | 648-9433                            | C2005 14 19 FNO                   | 648-9480                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2005 14 19 MBO                   | 648-9434                            | C2005 14 19 FBO                   | 648-9481                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2005 14 19 MCO                   | 648-9435                            | C2005 14 19 FCO                   | 648-9482                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2005 14 19 MEO                   | 648-9436                            | C2005 14 19 FEO                   | 648-9483                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2005 14 19 MFO                   | 648-9437                            | C2005 14 19 FFO                   | 648-9484                            | --   | --   | --           |
| 16                 | 14 - 22                     |                             | N                | C2005 14 22 MNO                   | 648-9485                            | C2005 14 22 FNO                   | 648-9535                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2005 14 22 MBO                   | 648-9486                            | C2005 14 22 FBO                   | 648-9536                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2005 14 22 MCO                   | 648-9487                            | C2005 14 22 FCO                   | 648-9537                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2005 14 22 MEO                   | 648-9488                            | C2005 14 22 FEO                   | 648-9538                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2005 14 22 MFO                   | 648-9489                            | C2005 14 22 FFO                   | 648-9539                            | --   | --   | --           |
| 21                 | 16 - 08                     |                             | N                | C2005 16 08 MNO                   | 648-9490                            | C2005 16 08 FNO                   | 648-9540                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2005 16 08 MBO                   | 648-9491                            | C2005 16 08 FBO                   | 648-9541                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2005 16 08 MCO                   | 648-9492                            | C2005 16 08 FCO                   | 648-9542                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2005 16 08 MEO                   | 648-9493                            | C2005 16 08 FEO                   | 648-9543                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2005 16 08 MFO                   | 648-9494                            | C2005 16 08 FFO                   | 648-9544                            | --   | --   | --           |
| 26                 | 16 - 26                     |                             | N                | C2005 16 26 MNO                   | 648-9495                            | C2005 16 26 FNO                   | 648-9545                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2005 16 26 MBO                   | 648-9496                            | C2005 16 26 FBO                   | 648-9546                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2005 16 26 MCO                   | 648-9497                            | C2005 16 26 FCO                   | 648-9547                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2005 16 26 MEO                   | 648-9498                            | C2005 16 26 FEO                   | 648-9548                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2005 16 26 MFO                   | 648-9499                            | C2005 16 26 FFO                   | 648-9549                            | --   | --   | --           |
| 31                 | 18 - 11                     |                             | N                | C2005 18 11 MNO                   | 648-9500                            | C2005 18 11 FNO                   | 648-9550                            | --   | --   | --           |
| 32                 |                             |                             | B                | C2005 18 11 MBO                   | 648-9501                            | C2005 18 11 FBO                   | 648-9551                            | --   | --   | --           |
| 33                 |                             |                             | C                | C2005 18 11 MCO                   | 648-9502                            | C2005 18 11 FCO                   | 648-9552                            | --   | --   | --           |
| 34                 |                             |                             | E                | C2005 18 11 MEO                   | 648-9503                            | C2005 18 11 FEO                   | 648-9553                            | --   | --   | --           |
| 35                 |                             |                             | F                | C2005 18 11 MFO                   | 648-9504                            | C2005 18 11 FFO                   | 648-9554                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(C) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |          | FEMALE CONTACT                    |                                     | SERVICE<br>MANAGEMENT CODE |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|----------|-----------------------------------|-------------------------------------|----------------------------|------|--------------|
|                    | RANGE                       |                             | ORIENTA-<br>TION | MALE CONTACT                      |          | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY                       | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER |          |                                   |                                     |                            |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)      | (e)                               | (f)                                 | (g)                        | (h)  | (j)          |
| 1                  | 18 - 32                     |                             | N                | C2005 18 32 MNO                   | 648-9505 | C2005 18 32 FNO                   | 648-9555                            | --                         | --   | --           |
| 2                  |                             |                             | B                | C2005 18 32 MBO                   | 648-9506 | C2005 18 32 FBO                   | 648-9556                            | --                         | --   | --           |
| 3                  |                             |                             | C                | C2005 18 32 MCO                   | 648-9507 | C2005 18 32 FCO                   | 648-9557                            | --                         | --   | --           |
| 4                  |                             |                             | E                | C2005 18 32 MEO                   | 648-9509 | C2005 18 32 FEO                   | 648-9558                            | --                         | --   | --           |
| 5                  |                             |                             | F                | C2005 18 32 MFO                   | 648-9509 | C2005 18 32 FFO                   | 648-9559                            | --                         | --   | --           |
| 6                  | 20 - 16                     |                             | N                | C2005 20 16 MNO                   | 648-9510 | C2005 20 16 FNO                   | 648-9560                            | --                         | --   | --           |
| 7                  |                             |                             | B                | C2005 20 16 MBO                   | 648-9511 | C2005 20 16 FBO                   | 648-9561                            | --                         | --   | --           |
| 8                  |                             |                             | C                | C2005 20 16 MCO                   | 648-9512 | C2005 20 16 FCO                   | 648-9562                            | --                         | --   | --           |
| 9                  |                             |                             | E                | C2005 20 16 MEO                   | 648-9513 | C2005 20 16 FEO                   | 648-9563                            | --                         | --   | --           |
| 10                 |                             |                             | F                | C2005 20 16 MFO                   | 648-9514 | C2005 20 16 FFO                   | 648-9564                            | --                         | --   | --           |
| 11                 | 20 - 41                     |                             | N                | C2005 20 41 MNO                   | 648-9515 | C2005 20 41 FNO                   | 648-9565                            | --                         | --   | --           |
| 12                 |                             |                             | B                | C2005 20 41 MBO                   | 648-9516 | C2005 20 41 FBO                   | 648-9566                            | --                         | --   | --           |
| 13                 |                             |                             | C                | C2005 20 41 MCO                   | 648-9517 | C2005 20 41 FCO                   | 648-9567                            | --                         | --   | --           |
| 14                 |                             |                             | E                | C2005 20 41 MEO                   | 648-9518 | C2005 20 41 FEO                   | 648-9568                            | --                         | --   | --           |
| 15                 |                             |                             | F                | C2005 20 41 MFO                   | 648-9519 | C2005 20 41 FFO                   | 648-9569                            | --                         | --   | --           |
| 16                 | 22 - 21                     |                             | N                | C2005 22 21 MNO                   | 648-9520 | C2005 22 21 FNO                   | 648-9570                            | --                         | --   | --           |
| 17                 |                             |                             | B                | C2005 22 21 MBO                   | 648-9521 | C2005 22 21 FBO                   | 648-9571                            | --                         | --   | --           |
| 18                 |                             |                             | C                | C2005 22 21 MCO                   | 648-9522 | C2005 22 21 FCO                   | 648-9572                            | --                         | --   | --           |
| 19                 |                             |                             | E                | C2005 22 21 MEO                   | 648-9523 | C2005 22 21 FEO                   | 648-9573                            | --                         | --   | --           |
| 20                 |                             |                             | F                | C2005 22 21 MFO                   | 648-9524 | C2005 22 21 FFO                   | 648-9574                            | --                         | --   | --           |
| 21                 | 22 - 55                     |                             | N                | C2005 22 55 MNO                   | 648-9525 | C2005 22 55 FNO                   | 648-9575                            | --                         | --   | --           |
| 22                 |                             |                             | B                | C2005 22 55 MBO                   | 648-9526 | C2005 22 55 FBO                   | 648-9576                            | --                         | --   | --           |
| 23                 |                             |                             | C                | C2005 22 55 MCO                   | 648-9527 | C2005 22 55 FCO                   | 648-9577                            | --                         | --   | --           |
| 24                 |                             |                             | E                | C2005 22 55 MEO                   | 648-9528 | C2005 22 55 FEO                   | 648-9578                            | --                         | --   | --           |
| 25                 |                             |                             | F                | C2005 22 55 MFO                   | 648-9529 | C2005 22 55 FFO                   | 648-9579                            | --                         | --   | --           |
| 26                 | 24 - 61                     |                             | N                | C2005 24 61 MNO                   | 648-9530 | C2005 24 61 FNO                   | 648-9580                            | --                         | --   | --           |
| 27                 |                             |                             | B                | C2005 24 61 MBO                   | 648-9531 | C2005 24 61 FBO                   | 648-9581                            | --                         | --   | --           |
| 28                 |                             |                             | C                | C2005 24 61 MCO                   | 648-9532 | C2005 24 61 FCO                   | 648-9582                            | --                         | --   | --           |
| 29                 |                             |                             | E                | C2005 24 61 MEO                   | 648-9533 | C2005 24 61 FEO                   | 648-9583                            | --                         | --   | --           |
| 30                 |                             |                             | F                | C2005 24 61 MFO                   | 648-9534 | C2005 24 61 FFO                   | 648-9584                            | --                         | --   | --           |

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STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9522 F0038

STYLE: FIXED, SINGLE HOLE MOUNTING WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: C2007

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                     |                             | SERVICE<br>MANAGEMENT CODE |                             |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|---------------------|-----------------------------|----------------------------|-----------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT        |                             | FEMALE CONTACT             |                             | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL          | NATO                        | INDIVIDUAL                 | NATO                        |      |      |              |
|                    |                             |                             |                  | REFERENCE<br>NUMBER | STOCK<br>NUMBER<br>5935-99- | REFERENCE<br>NUMBER        | STOCK<br>NUMBER<br>5935-99- |      |      |              |
| (a)                | (b)                         | (c)                         | (d)              | (e)                 | (f)                         | (g)                        | (h)                         | (j)  |      |              |
| 1                  | 08 - 33                     | N<br>E<br>F                 | C2007 08 33 MNO  | 648-9585            | C2007 08 33 FNO             | 648-9632                   | --                          | --   | --   |              |
| 2                  |                             |                             | C2007 08 33 MEO  | 648-9586            | C2007 08 33 FEO             | 648-9633                   | --                          | --   | --   |              |
| 3                  |                             |                             | C2007 08 33 MFO  | 648-9587            | C2007 08 33 FFO             | 648-9634                   | --                          | --   | --   |              |
| 4                  | 10 - 02                     | N<br>B<br>C<br>E<br>F       | C2007 10 02 MNO  | 648-9588            | C2007 10 02 FNO             | 648-9635                   | --                          | --   | --   |              |
| 5                  |                             |                             | C2007 10 02 MBO  | 648-9589            | C2007 10 02 FBO             | 648-9636                   | --                          | --   | --   |              |
| 6                  |                             |                             | C2007 10 02 MCO  | 648-9590            | C2007 10 02 FCO             | 648-9637                   | --                          | --   | --   |              |
| 7                  |                             |                             | C2007 10 02 MEO  | 648-9591            | C2007 10 02 FEO             | 648-9638                   | --                          | --   | --   |              |
| 8                  |                             |                             | C2007 10 02 MFO  | 648-9592            | C2007 10 02 FFO             | 648-9639                   | --                          | --   | --   |              |
| 9                  | 10 - 06                     | N<br>B<br>C<br>E<br>F       | C2007 10 06 MNO  | 648-9593            | C2007 10 06 FNO             | 648-9640                   | --                          | --   | --   |              |
| 10                 |                             |                             | C2007 10 06 MBO  | 648-9594            | C2007 10 06 FBO             | 648-9641                   | --                          | --   | --   |              |
| 11                 |                             |                             | C2007 10 06 MCO  | 648-9595            | C2007 10 06 FCO             | 648-9642                   | --                          | --   | --   |              |
| 12                 |                             |                             | C2007 10 06 MEO  | 648-9596            | C2007 10 06 FEO             | 648-9643                   | --                          | --   | --   |              |
| 13                 |                             |                             | C2007 10 06 MFO  | 648-9597            | C2007 10 06 FFO             | 648-9644                   | --                          | --   | --   |              |
| 14                 | 10 - 07                     | N<br>B<br>C<br>E<br>F       | C2007 10 07 MNO  | 648-9598            | C2007 10 07 FNO             | 648-9645                   | --                          | --   | --   |              |
| 15                 |                             |                             | C2007 10 07 MBO  | 648-9599            | C2007 10 07 FBO             | 648-9646                   | --                          | --   | --   |              |
| 16                 |                             |                             | C2007 10 07 MCO  | 648-9600            | C2007 10 07 FCO             | 648-9647                   | --                          | --   | --   |              |
| 17                 |                             |                             | C2007 10 07 MEO  | 648-9601            | C2007 10 07 FEO             | 648-9648                   | --                          | --   | --   |              |
| 18                 |                             |                             | C2007 10 07 MFO  | 648-9602            | C2007 10 07 FFO             | 648-9649                   | --                          | --   | --   |              |
| 19                 | 12 - 03                     | N<br>B<br>C<br>E<br>F       | C2007 12 03 MNO  | 648-9603            | C2007 12 03 FNO             | 648-9650                   | --                          | --   | --   |              |
| 20                 |                             |                             | C2007 12 03 MBO  | 648-9604            | C2007 12 03 FBO             | 648-9651                   | --                          | --   | --   |              |
| 21                 |                             |                             | C2007 12 03 MCO  | 648-9605            | C2007 12 03 FCO             | 648-9652                   | --                          | --   | --   |              |
| 22                 |                             |                             | C2007 12 03 MEO  | 648-9606            | C2007 12 03 FEO             | 648-9653                   | --                          | --   | --   |              |
| 23                 |                             |                             | C2007 12 03 MFO  | 648-9607            | C2007 12 03 FFO             | 648-9654                   | --                          | --   | --   |              |
| 24                 | 12 - 10                     | N<br>B<br>C<br>E<br>F       | C2007 12 10 MNO  | 648-9608            | C2007 12 10 FNO             | 648-9655                   | --                          | --   | --   |              |
| 25                 |                             |                             | C2007 12 10 MBO  | 648-9609            | C2007 12 10 FBO             | 648-9656                   | --                          | --   | --   |              |
| 26                 |                             |                             | C2007 12 10 MCO  | 648-9610            | C2007 12 10 FCO             | 648-9657                   | --                          | --   | --   |              |
| 27                 |                             |                             | C2007 12 10 MEO  | 648-9611            | C2007 12 10 FEO             | 648-9658                   | --                          | --   | --   |              |
| 28                 |                             |                             | C2007 12 10 MFO  | 648-9612            | C2007 12 10 FFO             | 648-9659                   | --                          | --   | --   |              |
| 29                 | 14 - 02                     | N<br>B<br>C<br>E            | C2007 14 02 MNO  | 648-9613            | C2007 14 02 FNO             | 648-9660                   | --                          | --   | --   |              |
| 30                 |                             |                             | C2007 14 02 MBO  | 648-9614            | C2007 14 02 FBO             | 648-9661                   | --                          | --   | --   |              |
| 31                 |                             |                             | C2007 14 02 MCO  | 648-9615            | C2007 14 02 FCO             | 648-9662                   | --                          | --   | --   |              |
| 32                 |                             |                             | C2007 14 02 MEO  | 648-9616            | C2007 14 02 FEO             | 648-9663                   | --                          | --   | --   |              |
| 33                 |                             |                             |                  |                     |                             |                            |                             |      |      |              |

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| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2007 14 05 MNO                   | 648-9617                            | C2007 14 05 FNO                   | 648-9664                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2007 14 05 MBO                   | 648-9618                            | C2007 14 05 FBO                   | 648-9665                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2007 14 05 MCO                   | 648-9619                            | C2007 14 05 FCO                   | 648-9666                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2007 14 05 MEO                   | 648-9620                            | C2007 14 05 FEO                   | 648-9667                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2007 14 05 MFO                   | 648-9621                            | C2007 14 05 FFO                   | 648-9668                            | --   | --   | --           |
| 6                  | 14 - 12                     |                             | N                | C2007 14 12 MNO                   | 648-9622                            | C2007 14 12 FNO                   | 648-9669                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2007 14 12 MBO                   | 648-9623                            | C2007 14 12 FBO                   | 648-9670                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2007 14 12 MCO                   | 648-9624                            | C2007 14 12 FCO                   | 648-9671                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2007 14 12 MEO                   | 648-9625                            | C2007 14 12 FEO                   | 648-9672                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2007 14 12 MFO                   | 648-9626                            | C2007 14 12 FFO                   | 648-9673                            | --   | --   | --           |
| 11                 | 14 - 19                     |                             | N                | C2007 14 19 MNO                   | 648-9627                            | C2007 14 19 FNO                   | 648-9674                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2007 14 19 MBO                   | 648-9628                            | C2007 14 19 FBO                   | 648-9675                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2007 14 19 MCO                   | 648-9629                            | C2007 14 19 FCO                   | 648-9676                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2007 14 19 MEO                   | 648-9630                            | C2007 14 19 FEO                   | 648-9677                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2007 14 19 MFO                   | 648-9631                            | C2007 14 19 FFO                   | 648-9678                            | --   | --   | --           |
| 16                 | 14 - 22                     |                             | N                | C2007 14 22 MNO                   | 648-9679                            | C2007 14 22 FNO                   | 648-9729                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2007 14 22 MBO                   | 648-9680                            | C2007 14 22 FBO                   | 648-9730                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2007 14 22 MCO                   | 648-9681                            | C2007 14 22 FCO                   | 648-9731                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2007 14 22 MEO                   | 648-9682                            | C2007 14 22 FEO                   | 648-9732                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2007 14 22 MFO                   | 648-9683                            | C2007 14 22 FFO                   | 648-9733                            | --   | --   | --           |
| 21                 | 16 - 08                     |                             | N                | C2007 16 08 MNO                   | 648-9684                            | C2007 16 08 FNO                   | 648-9734                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2007 16 08 MBO                   | 648-9685                            | C2007 16 08 FBO                   | 648-9735                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2007 16 08 MCO                   | 648-9686                            | C2007 16 08 FCO                   | 648-9736                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2007 16 08 MEO                   | 648-9687                            | C2007 16 08 FEO                   | 648-9737                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2007 16 08 MFO                   | 648-9688                            | C2007 16 08 FFO                   | 648-9738                            | --   | --   | --           |
| 26                 | 16 - 26                     |                             | N                | C2007 16 26 MNO                   | 648-9689                            | C2007 16 26 FNO                   | 648-9739                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2007 16 26 MBO                   | 648-9690                            | C2007 16 26 FBO                   | 648-9740                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2007 16 26 MCO                   | 648-9691                            | C2007 16 26 FCO                   | 648-9741                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2007 16 26 MEO                   | 648-9692                            | C2007 16 26 FEO                   | 648-9742                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2007 16 26 MFO                   | 648-9693                            | C2007 16 26 FFO                   | 648-9743                            | --   | --   | --           |
| 31                 | 18 - 11                     |                             | N                | C2007 18 11 MNO                   | 648-9694                            | C2007 18 11 FNO                   | 648-9744                            | --   | --   | --           |
| 32                 |                             |                             | B                | C2007 18 11 MBO                   | 648-9695                            | C2007 18 11 FBO                   | 648-9745                            | --   | --   | --           |
| 33                 |                             |                             | C                | C2007 18 11 MCO                   | 648-9696                            | C2007 18 11 FCO                   | 648-9746                            | --   | --   | --           |
| 34                 |                             |                             | E                | C2007 18 11 MEO                   | 648-9697                            | C2007 18 11 FEO                   | 648-9747                            | --   | --   | --           |
| 35                 |                             |                             | F                | C2007 18 11 MFO                   | 648-9698                            | C2007 18 11 FFO                   | 648-9748                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(D) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIENTA-<br>TION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    |                             |                             |                  | (a)                               | (b)                                 | (c)                               | (d)                                 |      |      |              |
| 1                  | 18 - 32                     |                             | N                | C2007 18 32 MNO                   | 648-9699                            | C2007 18 32 FNO                   | 648-9749                            | - -  | - -  | - -          |
| 2                  |                             |                             | B                | C2007 18 32 MBO                   | 648-9700                            | C2007 18 32 FBO                   | 648-9750                            | - -  | - -  | - -          |
| 3                  |                             |                             | C                | C2007 18 32 MCO                   | 648-9701                            | C2007 18 32 FCO                   | 648-9751                            | - -  | - -  | - -          |
| 4                  |                             |                             | E                | C2007 18 32 MEO                   | 648-9702                            | C2007 18 32 FEO                   | 648-9752                            | - -  | - -  | - -          |
| 5                  |                             |                             | F                | C2007 18 32 MFO                   | 648-9703                            | C2007 18 32 FFO                   | 648-9753                            | - -  | - -  | - -          |
| 6                  | 20 - 16                     |                             | N                | C2007 20 16 MNO                   | 648-9704                            | C2007 20 16 FNO                   | 648-9754                            | - -  | - -  | - -          |
| 7                  |                             |                             | B                | C2007 20 16 MBO                   | 648-9705                            | C2007 20 16 FBO                   | 648-9755                            | - -  | - -  | - -          |
| 8                  |                             |                             | C                | C2007 20 16 MCO                   | 648-9706                            | C2007 20 16 FCO                   | 648-9756                            | - -  | - -  | - -          |
| 9                  |                             |                             | E                | C2007 20 16 MEO                   | 648-9707                            | C2007 20 16 FEO                   | 648-9757                            | - -  | - -  | - -          |
| 10                 |                             |                             | F                | C2007 20 16 MFO                   | 648-9708                            | C2007 20 16 FFO                   | 648-9758                            | - -  | - -  | - -          |
| 11                 | 20 - 41                     |                             | N                | C2007 20 41 MNO                   | 648-9709                            | C2007 20 41 FNO                   | 648-9759                            | - -  | - -  | - -          |
| 12                 |                             |                             | B                | C2007 20 41 MBO                   | 648-9710                            | C2007 20 41 FBO                   | 648-9760                            | - -  | - -  | - -          |
| 13                 |                             |                             | C                | C2007 20 41 MCO                   | 648-9711                            | C2007 20 41 FCO                   | 648-9761                            | - -  | - -  | - -          |
| 14                 |                             |                             | E                | C2007 20 41 MEO                   | 648-9712                            | C2007 20 41 FEO                   | 648-9762                            | - -  | - -  | - -          |
| 15                 |                             |                             | F                | C2007 20 41 MFO                   | 648-9713                            | C2007 20 41 FFO                   | 648-9763                            | - -  | - -  | - -          |
| 16                 | 22 - 21                     |                             | N                | C2007 22 21 MNO                   | 648-9714                            | C2007 22 21 FNO                   | 648-9764                            | - -  | - -  | - -          |
| 17                 |                             |                             | B                | C2007 22 21 MBO                   | 648-9715                            | C2007 22 21 FBO                   | 648-9765                            | - -  | - -  | - -          |
| 18                 |                             |                             | C                | C2007 22 21 MCO                   | 648-9716                            | C2007 22 21 FCO                   | 648-9766                            | - -  | - -  | - -          |
| 19                 |                             |                             | E                | C2007 22 21 MEO                   | 648-9717                            | C2007 22 21 FEO                   | 648-9767                            | - -  | - -  | - -          |
| 20                 |                             |                             | F                | C2007 22 21 MFO                   | 648-9718                            | C2007 22 21 FFO                   | 648-9768                            | - -  | - -  | - -          |
| 21                 | 22 - 55                     |                             | N                | C2007 22 55 MNO                   | 648-9719                            | C2007 22 55 FNO                   | 648-9769                            | - -  | - -  | - -          |
| 22                 |                             |                             | B                | C2007 22 55 MBO                   | 648-9720                            | C2007 22 55 FBO                   | 648-9770                            | - -  | - -  | - -          |
| 23                 |                             |                             | C                | C2007 22 55 MCO                   | 648-9721                            | C2007 22 55 FCO                   | 648-9771                            | - -  | - -  | - -          |
| 24                 |                             |                             | E                | C2007 22 55 MEO                   | 648-9722                            | C2007 22 55 FEO                   | 648-9772                            | - -  | - -  | - -          |
| 25                 |                             |                             | F                | C2007 22 55 MFO                   | 648-9723                            | C2007 22 55 FFO                   | 648-9773                            | - -  | - -  | - -          |
| 26                 | 24 - 61                     |                             | N                | C2007 24 61 MNO                   | 648-9724                            | C2007 24 61 FNO                   | 648-9774                            | - -  | - -  | - -          |
| 27                 |                             |                             | B                | C2007 24 61 MBO                   | 648-9725                            | C2007 24 61 FBO                   | 648-9775                            | - -  | - -  | - -          |
| 28                 |                             |                             | C                | C2007 24 61 MCO                   | 648-9726                            | C2007 24 61 FCO                   | 648-9776                            | - -  | - -  | - -          |
| 29                 |                             |                             | E                | C2007 24 61 MEO                   | 648-9727                            | C2007 24 61 FEO                   | 648-9777                            | - -  | - -  | - -          |
| 30                 |                             |                             | F                | C2007 24 61 MFO                   | 648-9728                            | C2007 24 61 FFO                   | 648-9778                            | - -  | - -  | - -          |

Notes applicable to this Table are on page 34

TABLE 1(E)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 F0038

STYLE: FREE, IN LINE COUPLER WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: C2008

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | FEMALE CONTACT                    |                                     | SERVICE<br>MANAGEMENT CODE |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|----------------------------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY                       | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                                   |                                     |                            |      |              |
|                    |                             |                             |                  |                                   |                                     |                                   |                                     |                            |      |              |
| (a)                | (b)                         | (c)                         | (d)              | (e)                               | (f)                                 | (g)                               | (h)                                 | (j)                        |      |              |
| 1                  | 08 - 33                     |                             | N                | C2008 08 33 MNO                   | 648-9779                            | C2008 08 33 FNO                   | 648-9826                            | --                         | --   | --           |
| 2                  |                             |                             | E                | C2008 08 33 MEO                   | 648-9780                            | C2008 08 33 FEO                   | 648-9827                            | --                         | --   | --           |
| 3                  |                             |                             | F                | C2008 08 33 MFO                   | 648-9781                            | C2008 08 33 FFO                   | 648-9828                            | --                         | --   | --           |
| 4                  | 10 - 02                     |                             | N                | C2008 10 02 MNO                   | 648-9782                            | C2008 10 02 FNO                   | 648-9829                            | --                         | --   | --           |
| 5                  |                             |                             | B                | C2008 10 02 MBO                   | 648-9783                            | C2008 10 02 FBO                   | 648-9830                            | --                         | --   | --           |
| 6                  |                             |                             | C                | C2008 10 02 MCO                   | 648-9784                            | C2008 10 02 FCO                   | 648-9831                            | --                         | --   | --           |
| 7                  |                             |                             | E                | C2008 10 02 MEO                   | 648-9785                            | C2008 10 02 FEO                   | 648-9832                            | --                         | --   | --           |
| 8                  |                             |                             | F                | C2008 10 02 MFO                   | 648-9786                            | C2008 10 02 FFO                   | 648-9833                            | --                         | --   | --           |
| 9                  | 10 - 06                     |                             | N                | C2008 10 06 MNO                   | 648-9787                            | C2008 10 06 FNO                   | 648-9834                            | --                         | --   | --           |
| 10                 |                             |                             | B                | C2008 10 06 MBO                   | 648-9788                            | C2008 10 06 FBO                   | 648-9835                            | --                         | --   | --           |
| 11                 |                             |                             | C                | C2008 10 06 MCO                   | 648-9789                            | C2008 10 06 FCO                   | 648-9836                            | --                         | --   | --           |
| 12                 |                             |                             | E                | C2008 10 06 MEO                   | 648-9790                            | C2008 10 06 FEO                   | 648-9837                            | --                         | --   | --           |
| 13                 |                             |                             | F                | C2008 10 06 MFO                   | 648-9791                            | C2008 10 06 FFO                   | 648-9838                            | --                         | --   | --           |
| 14                 | 10 - 07                     |                             | N                | C2008 10 07 MNO                   | 648-9792                            | C2008 10 07 FNO                   | 648-9839                            | --                         | --   | --           |
| 15                 |                             |                             | B                | C2008 10 07 MBO                   | 648-9793                            | C2008 10 07 FBO                   | 648-9840                            | --                         | --   | --           |
| 16                 |                             |                             | C                | C2008 10 07 MCO                   | 648-9794                            | C2008 10 07 FCO                   | 648-9841                            | --                         | --   | --           |
| 17                 |                             |                             | E                | C2008 10 07 MEO                   | 648-9795                            | C2008 10 07 FEO                   | 648-9842                            | --                         | --   | --           |
| 18                 |                             |                             | F                | C2008 10 07 MFO                   | 648-9796                            | C2008 10 07 FFO                   | 648-9843                            | --                         | --   | --           |
| 19                 | 12 - 03                     |                             | N                | C2008 12 03 MNO                   | 648-9797                            | C2008 12 03 FNO                   | 648-9844                            | --                         | --   | --           |
| 20                 |                             |                             | B                | C2008 12 03 MBO                   | 648-9798                            | C2008 12 03 FBO                   | 648-9845                            | --                         | --   | --           |
| 21                 |                             |                             | C                | C2008 12 03 MCO                   | 648-9799                            | C2008 12 03 FCO                   | 648-9846                            | --                         | --   | --           |
| 22                 |                             |                             | E                | C2008 12 03 MEO                   | 648-9800                            | C2008 12 03 FEO                   | 648-9847                            | --                         | --   | --           |
| 23                 |                             |                             | F                | C2008 12 03 MFO                   | 648-9801                            | C2008 12 03 FFO                   | 648-9848                            | --                         | --   | --           |
| 24                 | 12 - 10                     |                             | N                | C2008 12 10 MNO                   | 648-9802                            | C2008 12 10 FNO                   | 648-9849                            | --                         | --   | --           |
| 25                 |                             |                             | B                | C2008 12 10 MBO                   | 648-9803                            | C2008 12 10 FBO                   | 648-9850                            | --                         | --   | --           |
| 26                 |                             |                             | C                | C2008 12 10 MCO                   | 648-9804                            | C2008 12 10 FCO                   | 648-9851                            | --                         | --   | --           |
| 27                 |                             |                             | E                | C2008 12 10 MEO                   | 648-9805                            | C2008 12 10 FEO                   | 648-9852                            | --                         | --   | --           |
| 28                 |                             |                             | F                | C2008 12 10 MFO                   | 648-9806                            | C2008 12 10 FFO                   | 648-9853                            | --                         | --   | --           |
| 29                 | 14 - 02                     |                             | N                | C2008 14 02 MNO                   | 648-9807                            | C2008 14 02 FNO                   | 648-9854                            | --                         | --   | --           |
| 30                 |                             |                             | B                | C2008 14 02 MBO                   | 648-9808                            | C2008 14 02 FBO                   | 648-9855                            | --                         | --   | --           |
| 31                 |                             |                             | C                | C2008 14 02 MCO                   | 648-9809                            | C2008 14 02 FCO                   | 648-9856                            | --                         | --   | --           |
| 32                 |                             |                             | E                | C2008 14 02 MEO                   | 648-9810                            | C2008 14 02 FEO                   | 648-9857                            | --                         | --   | --           |
| 33                 |                             |                             |                  |                                   |                                     |                                   |                                     |                            |      |              |

Notes applicable to this Table are on page 34

TABLE I(E) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2008 14 05 MNO                   | 648-9811                            | C2008 14 05 FNO                   | 648-9858                            | --   | --   | --           |
| 2                  |                             |                             | B                | C2008 14 05 MBO                   | 648-9812                            | C2008 14 05 FBO                   | 648-9859                            | --   | --   | --           |
| 3                  |                             |                             | C                | C2008 14 05 MCO                   | 648-9813                            | C2008 14 05 FCO                   | 648-9860                            | --   | --   | --           |
| 4                  |                             |                             | E                | C2008 14 05 MEO                   | 648-9814                            | C2008 14 05 FEO                   | 648-9861                            | --   | --   | --           |
| 5                  |                             |                             | F                | C2008 14 05 MFO                   | 648-9815                            | C2008 14 05 FFO                   | 648-9862                            | --   | --   | --           |
| 6                  | 14 - 12                     |                             | N                | C2008 14 12 MNO                   | 648-9816                            | C2008 14 12 FNO                   | 648-9863                            | --   | --   | --           |
| 7                  |                             |                             | B                | C2008 14 12 MBO                   | 648-9817                            | C2008 14 12 FBO                   | 648-9864                            | --   | --   | --           |
| 8                  |                             |                             | C                | C2008 14 12 MCO                   | 648-9818                            | C2008 14 12 FCO                   | 648-9865                            | --   | --   | --           |
| 9                  |                             |                             | E                | C2008 14 12 MEO                   | 648-9819                            | C2008 14 12 FEO                   | 648-9866                            | --   | --   | --           |
| 10                 |                             |                             | F                | C2008 14 12 MFO                   | 648-9820                            | C2008 14 12 FFO                   | 648-9867                            | --   | --   | --           |
| 11                 | 14 - 19                     |                             | N                | C2008 14 19 MNO                   | 648-9821                            | C2008 14 19 FNO                   | 648-9868                            | --   | --   | --           |
| 12                 |                             |                             | B                | C2008 14 19 MBO                   | 648-9822                            | C2008 14 19 FBO                   | 648-9869                            | --   | --   | --           |
| 13                 |                             |                             | C                | C2008 14 19 MCO                   | 648-9823                            | C2008 14 19 FCO                   | 648-9870                            | --   | --   | --           |
| 14                 |                             |                             | E                | C2008 14 19 MEO                   | 648-9824                            | C2008 14 19 FEO                   | 648-9871                            | --   | --   | --           |
| 15                 |                             |                             | F                | C2008 14 19 MFO                   | 648-9825                            | C2008 14 19 FFO                   | 648-9872                            | --   | --   | --           |
| 16                 | 14 - 22                     |                             | N                | C2008 14 22 MNO                   | 648-9873                            | C2008 14 22 FNO                   | 648-9923                            | --   | --   | --           |
| 17                 |                             |                             | B                | C2008 14 22 MBO                   | 648-9874                            | C2008 14 22 FBO                   | 648-9924                            | --   | --   | --           |
| 18                 |                             |                             | C                | C2008 14 22 MCO                   | 648-9875                            | C2008 14 22 FCO                   | 648-9925                            | --   | --   | --           |
| 19                 |                             |                             | E                | C2008 14 22 MEO                   | 648-9876                            | C2008 14 22 FEO                   | 643-9926                            | --   | --   | --           |
| 20                 |                             |                             | F                | C2008 14 22 MFO                   | 648-9877                            | C2008 14 22 FFO                   | 648-9927                            | --   | --   | --           |
| 21                 | 16 - 08                     |                             | N                | C2008 16 08 MNO                   | 648-9878                            | C2008 16 08 FNO                   | 648-9928                            | --   | --   | --           |
| 22                 |                             |                             | B                | C2008 16 08 MBO                   | 648-9879                            | C2008 16 08 FBO                   | 648-9929                            | --   | --   | --           |
| 23                 |                             |                             | C                | C2008 16 08 MCO                   | 648-9880                            | C2008 16 08 FCO                   | 648-9930                            | --   | --   | --           |
| 24                 |                             |                             | E                | C2008 16 08 MEO                   | 648-9881                            | C2008 16 08 FEO                   | 648-9931                            | --   | --   | --           |
| 25                 |                             |                             | F                | C2008 16 08 MFO                   | 648-9882                            | C2008 16 08 FFO                   | 648-9932                            | --   | --   | --           |
| 26                 | 16 - 26                     |                             | N                | C2008 16 26 MNO                   | 648-9883                            | C2008 16 26 FNO                   | 648-9933                            | --   | --   | --           |
| 27                 |                             |                             | B                | C2008 16 26 MBO                   | 648-9884                            | C2008 16 26 FBO                   | 648-9934                            | --   | --   | --           |
| 28                 |                             |                             | C                | C2008 16 26 MCO                   | 648-9885                            | C2008 16 26 FCO                   | 648-9935                            | --   | --   | --           |
| 29                 |                             |                             | E                | C2008 16 26 MEO                   | 648-9886                            | C2008 16 26 FEO                   | 648-9936                            | --   | --   | --           |
| 30                 |                             |                             | F                | C2008 16 26 MFO                   | 648-9887                            | C2008 16 26 FFO                   | 648-9937                            | --   | --   | --           |
| 31                 | 18 - 11                     |                             | N                | C2008 18 11 MNO                   | 648-9888                            | C2008 18 11 FNO                   | 648-9938                            | --   | --   | --           |
| 32                 |                             |                             | B                | C2008 18 11 MBO                   | 648-9889                            | C2008 18 11 FBO                   | 648-9939                            | --   | --   | --           |
| 33                 |                             |                             | C                | C2008 18 11 MCO                   | 648-9890                            | C2008 18 11 FCO                   | 648-9940                            | --   | --   | --           |
| 34                 |                             |                             | E                | C2008 18 11 MEO                   | 648-9891                            | C2008 18 11 FEO                   | 648-9941                            | --   | --   | --           |
| 35                 |                             |                             | F                | C2008 18 11 MFO                   | 648-9892                            | C2008 18 11 FFO                   | 648-9942                            | --   | --   | --           |

Notes applicable to this Table are on page 34

TABLE I(E) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, ELECTRICAL, FREE |                             |                  |                                   |                                     | SERVICE<br>MANAGEMENT CODE        |                                     |      |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                       |                             | ORIEN-<br>TATION | MALE CONTACT                      |                                     | FEMALE CONTACT                    |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | INDIVIDUAL<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                         |                             | (b)              | (c)                               | (d)                                 | (e)                               | (f)                                 | (g)  | (h)  | (j)          |
| 1                  | 18 - 32                     |                             | N                | C2008 18 32 MNO                   | 648-9893                            | C2008 18 32 FNO                   | 648-9943                            | - -  | - -  | - -          |
| 2                  |                             |                             | B                | C2008 18 32 MBO                   | 648-9894                            | C2008 18 32 FBO                   | 648-9944                            | - -  | - -  | - -          |
| 3                  |                             |                             | C                | C2008 18 32 MCO                   | 648-9895                            | C2008 18 32 FCO                   | 648-9945                            | - -  | - -  | - -          |
| 4                  |                             |                             | E                | C2008 18 32 MEO                   | 648-9896                            | C2008 18 32 FEO                   | 648-9946                            | - -  | - -  | - -          |
| 5                  |                             |                             | F                | C2008 18 32 MFO                   | 648-9897                            | C2008 18 32 FFO                   | 648-9947                            | - -  | - -  | - -          |
| 6                  | 20 - 16                     |                             | N                | C2008 20 16 MNO                   | 648-9898                            | C2008 20 16 FNO                   | 648-9948                            | - -  | - -  | - -          |
| 7                  |                             |                             | B                | C2008 20 16 MBO                   | 648-9899                            | C2008 20 16 FBO                   | 648-9949                            | - -  | - -  | - -          |
|                    |                             |                             | C                | C2008 20 16 MCO                   | 648-9900                            | C2008 20 16 FCO                   | 648-9950                            | - -  | - -  | - -          |
|                    |                             |                             | E                | C2008 20 16 MEO                   | 648-9901                            | C2008 20 16 FEO                   | 648-9951                            | - -  | - -  | - -          |
| 10                 |                             |                             | F                | C2008 20 16 MFO                   | 648-9902                            | C2008 20 16 FFO                   | 648-9952                            | - -  | - -  | - -          |
| 11                 | 20 - 41                     |                             | N                | C2008 20 41 MNO                   | 648-9903                            | C2008 20 41 FNO                   | 648-9953                            | - -  | - -  | - -          |
| 12                 |                             |                             | B                | C2008 20 41 MBO                   | 648-9904                            | C2008 20 41 FBO                   | 648-9954                            | - -  | - -  | - -          |
| 13                 |                             |                             | C                | C2008 20 41 MCO                   | 648-9905                            | C2008 20 41 FCO                   | 648-9955                            | - -  | - -  | - -          |
| 14                 |                             |                             | E                | C2008 20 41 MEO                   | 648-9906                            | C2008 20 41 FEO                   | 648-9956                            | - -  | - -  | - -          |
| 15                 |                             |                             | F                | C2008 20 41 MFO                   | 648-9907                            | C2008 20 41 FFO                   | 648-9957                            | - -  | - -  | - -          |
| 16                 | 22 - 21                     |                             | N                | C2008 22 21 MNO                   | 648-9908                            | C2008 22 21 FNO                   | 648-9958                            | - -  | - -  | - -          |
| 17                 |                             |                             | B                | C2008 22 21 MBO                   | 648-9909                            | C2008 22 21 FBO                   | 648-9959                            | - -  | - -  | - -          |
| 18                 |                             |                             | C                | C2008 22 21 MCO                   | 648-9910                            | C2008 22 21 FCO                   | 648-9960                            | - -  | - -  | - -          |
| 19                 |                             |                             | E                | C2008 22 21 MEO                   | 648-9911                            | C2008 22 21 FEO                   | 648-9961                            | - -  | - -  | - -          |
| 20                 |                             |                             | F                | C2008 22 21 MFO                   | 648-9912                            | C2008 22 21 FFO                   | 648-9962                            | - -  | - -  | - -          |
| 21                 | 22 - 55                     |                             | N                | C2008 22 55 MNO                   | 648-9913                            | C2008 22 55 FNO                   | 648-9963                            | - -  | - -  | - -          |
| 22                 |                             |                             | B                | C2008 22 55 MBO                   | 648-9914                            | C2008 22 55 FBO                   | 648-9964                            | - -  | - -  | - -          |
| 23                 |                             |                             | C                | C2008 22 55 MCO                   | 648-9915                            | C2008 22 55 FCO                   | 648-9965                            | - -  | - -  | - -          |
|                    |                             |                             | E                | C2008 22 55 MEO                   | 648-9916                            | C2008 22 55 FEO                   | 648-9966                            | - -  | - -  | - -          |
| 25                 |                             |                             | F                | C2008 22 55 MFO                   | 648-9917                            | C2008 22 55 FFO                   | 648-9967                            | - -  | - -  | - -          |
| 26                 | 24 - 61                     |                             | N                | C2008 24 61 MNO                   | 648-9918                            | C2008 24 61 FNO                   | 648-9968                            | - -  | - -  | - -          |
| 27                 |                             |                             | B                | C2008 24 61 MBO                   | 648-9919                            | C2008 24 61 FBO                   | 648-9969                            | - -  | - -  | - -          |
| 28                 |                             |                             | C                | C2008 24 61 MCO                   | 648-9920                            | C2008 24 61 FCO                   | 648-9970                            | - -  | - -  | - -          |
| 29                 |                             |                             | E                | C2008 24 61 MEO                   | 648-9921                            | C2008 24 61 FEO                   | 648-9971                            | - -  | - -  | - -          |
| 30                 |                             |                             | F                | C2008 24 61 MFO                   | 648-9922                            | C2008 24 61 FFO                   | 648-9972                            | - -  | - -  | - -          |

Notes applicable to this Table are on page 34

TABLE I(F)STANDARD RANGEACCESSORIESSTYLE: GROMMET NUT ASSEMBLY (includes follower)

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: A2009

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 3                | 654-2679                         | --                         | --   | --        |
| 2                  | 10                         | 4                | 654-2680                         | --                         | --   | --        |
| 3                  | 12                         | 6                | 654-2681                         | --                         | --   | --        |
| 4                  | 14                         | 7                | 654-2682                         | --                         | --   | --        |
| 5                  | 16                         | 8                | 654-2683                         | --                         | --   | --        |
| 6                  | 18                         | 9                | 654-2684                         | --                         | --   | --        |
| 7                  | 20                         | 10               | 654-2685                         | --                         | --   | --        |
| 8                  | 22                         | 11               | 654-2686                         | --                         | --   | --        |
| 9                  | 24                         | 12               | 654-2687                         | --                         | --   | --        |

Notes applicable to this Table are on page 34

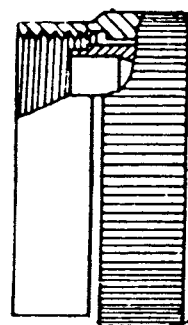
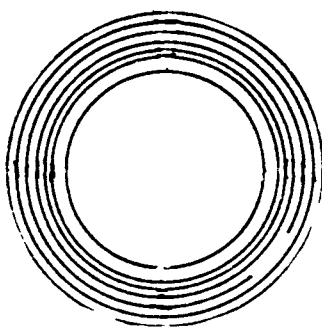
FIG 1

TABLE I(G)

STANDARD RANGE

ACCESSORIES

STYLE: CABLE CLAMP ASSEMBLY (includes GROMMET FOLLOWER and  
CABLE GROMMET (STYLE A2011)) - See also TABLE I(H)  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: A2010

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 9                | 654-2688                         | - -                        | - -  | - -       |
| 2                  | 10                         | 11               | 654-2689                         | - -                        | - -  | - -       |
| 3                  | 12                         | 13               | 654-2690                         | - -                        | - -  | - -       |
| 4                  | 14                         | 16               | 654-2691                         | - -                        | - -  | - -       |
| 5                  | 16                         | 18               | 654-2692                         | - -                        | - -  | - -       |
| 6                  | 18                         | 25               | 654-2693                         | - -                        | - -  | - -       |
| 7                  | 20                         | 30               | 654-2694                         | - -                        | - -  | - -       |
| 8                  | 22                         | 37               | 654-2695                         | - -                        | - -  | - -       |
| 9                  | 24                         | 40               | 654-2696                         | - -                        | - -  | - -       |

Notes applicable to this Table are on page 34

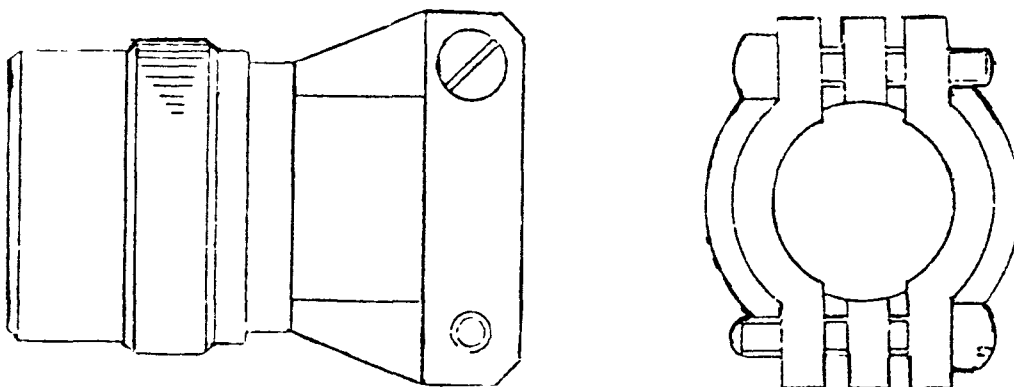


FIG 1

TABLE I(H)

STANDARD RANGE

ACCESSORIES

STYLE: CABLE GROMMET  
Items other than those listed in TABLE I(G)  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: A2011

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 0.7              | 654-2697                         | --                         | --   | --        |
| 2                  | 10                         | 0.9              | 654-2698                         | --                         | --   | --        |
| 3                  | 12                         | 1.3              | 654-2699                         | --                         | --   | --        |
| 4                  | 14                         | 2.2              | 654-2700                         | --                         | --   | --        |
| 5                  | 16                         | 1.9              | 654-2701                         | --                         | --   | --        |
| 6                  | 18                         | 2.7              | 654-2702                         | --                         | --   | --        |
| 7                  | 20                         | 2.7              | 654-2702                         | --                         | --   | --        |
| 8                  | 22                         | 4.6              | 654-2703                         | --                         | --   | --        |
| 9                  | 24                         | 4.6              | 654-2704                         | --                         | --   | --        |

Notes applicable to this Table are on page 34

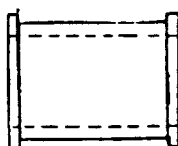


FIG 1

TABLE I(J)

STANDARD RANGE

ACCESSORIES

STYLE: COVER, ELECTRICAL CONNECTOR (FREE)  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: A2012

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 8                | 648-9973                         | --                         | --   | --        |
| 2                  | 10                         | 9                | 648-9974                         | --                         | --   | --        |
| 3                  | 12                         | 11               | 648-9975                         | --                         | --   | --        |
| 4                  | 14                         | 13               | 648-9976                         | --                         | --   | --        |
| 5                  | 16                         | 15               | 648-9977                         | --                         | --   | --        |
| 6                  | 18                         | 17               | 648-9978                         | --                         | --   | --        |
| 7                  | 20                         | 24               | 648-9979                         | --                         | --   | --        |
| 8                  | 22                         | 27               | 648-9980                         | --                         | --   | --        |
| 9                  | 24                         | 30               | 648-9981                         | --                         | --   | --        |

Notes applicable to this Table are on page 34

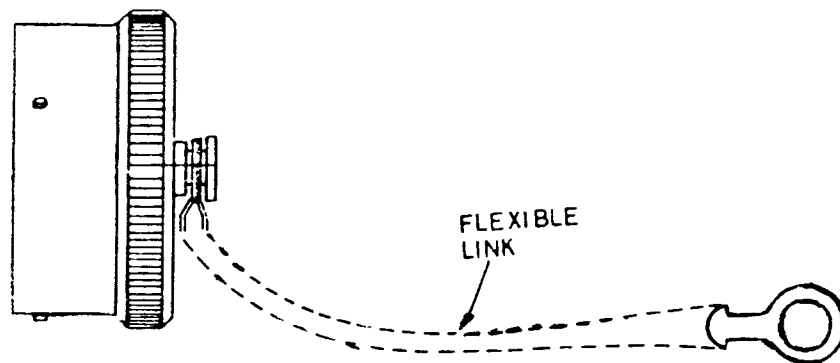


FIG 1

TABLE I(K)STANDARD RANGEACCESSORIESSTYLE: COVER, ELECTRICAL CONNECTOR (FIXED, TYPE 1)SPECIFICATION: BS 9522 F0038STYLE NUMBER: A2013

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 10               | 648-9982                         | --                         | --   | --        |
| 2                  | 10                         | 11               | 648-9983                         | --                         | --   | --        |
| 3                  | 12                         | 14               | 648-9984                         | --                         | --   | --        |
| 4                  | 14                         | 16               | 648-9985                         | --                         | --   | --        |
| 5                  | 16                         | 18               | 648-9986                         | --                         | --   | --        |
| 6                  | 18                         | 20               | 648-9987                         | --                         | --   | --        |
| 7                  | 20                         | 24               | 648-9988                         | --                         | --   | --        |
| 8                  | 22                         | 25               | 648-9989                         | --                         | --   | --        |
| 9                  | 29                         | 29               | 648-9990                         | --                         | --   | --        |

Notes applicable to this Table are on page 34

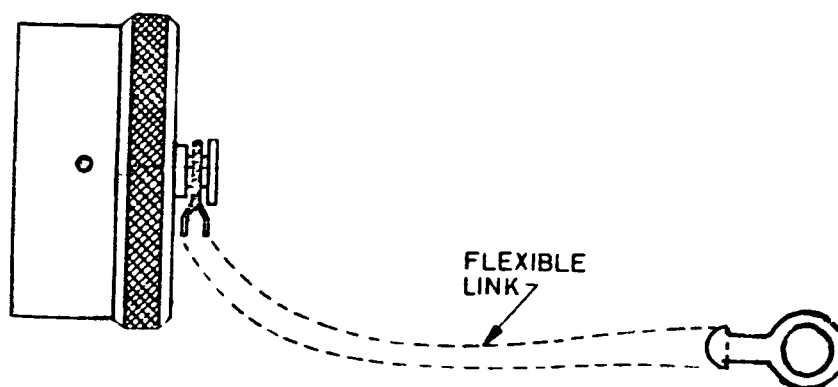
FIG 1

TABLE I(L)

STANDARD RANGE

ACCESSORIES

STYLE: COVER, ELECTRICAL CONNECTOR (FIXED, TYPE 2)  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: A2014

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)              | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08                         | 9.5              | 014-7466                         | )                          | )    | )         |
| 2                  | 10                         | 10.5             | 014-7467                         | )                          | )    | )         |
| 3                  | 12                         | 13.3             | 014-7468                         | )                          | )    | )         |
| 4                  | 14                         | 15.9             | 014-7469                         | )                          | )    | )         |
| 5                  | 16                         | 18.0             | 014-7470                         | )0568                      | )Z32 | )10H      |
| 6                  | 18                         | 19.9             | 014-7471                         | )                          | )    | )         |
| 7                  | 20                         | 22.9             | 014-7472                         | )                          | )    | )         |
| 8                  | 22                         | 24.7             | 014-7473                         | )                          | )    | )         |
| 9                  | 24                         | 28.4             | 014-7474                         | )                          | )    | )         |

Notes applicable to this Table are on page 34

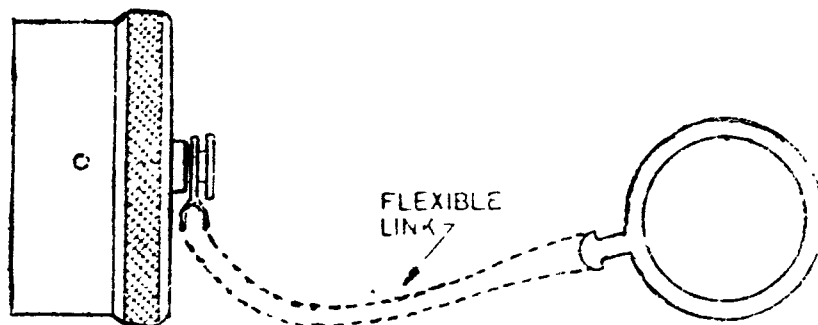


FIG 1

## TABLE I(M)

## STANDARD RANGE

## ACCESSORIES

STYLE: FILLER PLUG  
 SPECIFICATION: BS 9522 F0038  
 STYLE NUMBER: A2015

## TYPE 1 (PREFERRED)

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | COLOUR<br>CODE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5340-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|----------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 |                |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)            | (c)              | (d)                              | (e)                        | (f)  | (g)       |
| 1                  | 20              | RED            | 0.04             | 017-1635                         | )                          |      |           |
| 2                  | 16              | BLUE           | 0.13             | 017-1636                         | )0568                      | Z32  | 10H       |
| 3                  | 12              | YELLOW         | 0.14             | 017-1637                         | )                          |      |           |

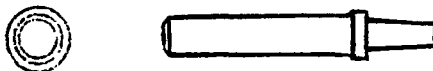


FIG 1

STYLE NUMBER: A2016

## TYPE 2

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | COLOUR<br>CODE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5340-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|----------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 |                |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)            | (c)              | (d)                              | (e)                        | (f)  | (g)       |
| 4                  | 20              | RED            | 0.05             | 654-5239                         | - -                        | - -  | - -       |
| 5                  | 16              | BLUE           | 0.14             | 654-5240                         | - -                        | - -  | - -       |
| 6                  | 12              | YELLOW         | 0.15             | 654-5241                         | - -                        | - -  | - -       |

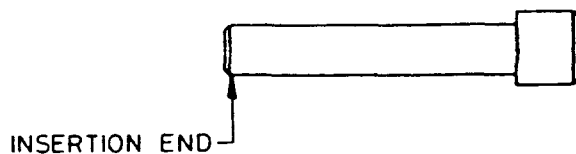


FIG 2

- NOTES:**
- Notes applicable to the Tables are on page 34
  - For ordering and packaging of filler plugs see subclause 4.2.

TABLE I(N)

STANDARD RANGE

ACCESSORIES

STYLE: SQUARE FLANGE STOWAGE RECEPTACLE  
SPECIFICATION: BS 9522 F0038  
STYLE NUMBER: A2203

| PAGE<br>ITEM<br>NO | HOUSING<br>(SHELL)<br>SIZE | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|----------------------------|----------------------------------|----------------------------|------|-----------|
|                    |                            |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)                        | (b)                              | (c)                        | (d)  | (e)       |
| 1                  | 08                         | 015-4510                         | --                         | --   | --        |
| 2                  | 10                         | 015-4519                         | --                         | --   | --        |
| 3                  | 12                         | 015-4528                         | --                         | --   | --        |
| 4                  | 14                         | 015-4537                         | --                         | --   | --        |
| 5                  | 16                         | 015-4546                         | --                         | --   | --        |
| 6                  | 18                         | 015-4608                         | --                         | --   | --        |
| 7                  | 20                         | 015-4609                         | --                         | --   | --        |
| 8                  | 22                         | 015-4617                         | --                         | --   | --        |
| 9                  | 24                         | 015-4618                         | --                         | --   | --        |

Notes applicable to this Table are on page 34

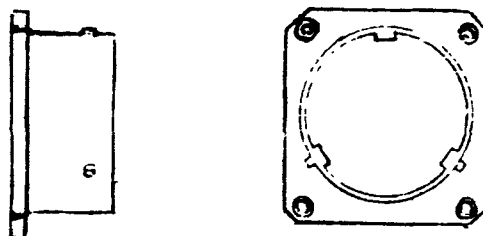


FIG 1

TABLE I(P)

## STANDARD RANGE

## CONTACTS

## MALE CONTACTS

SPECIFICATION: BS 9522 F0038

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | COLOUR CODE |                | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|-------------|----------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 | CONTACT     | WIRE<br>BARREL |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)         | (c)            | (e)              | (e)                              | (f)                        | (g)  | (h)       |
| 1                  | 20              | RED         | RED            | 0.4              | 038-6165                         | --                         | --   | --        |
| 2                  | 16              | BLUE        | BLUE           | 0.8              | 038-6166                         | --                         | --   | --        |
| 3                  | 12              | YELLOW      | YELLOW         | 1.2              | 038-6167                         | --                         | --   | --        |

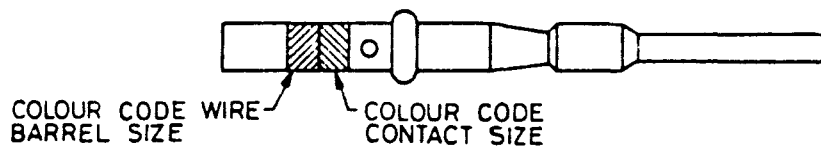


FIG 1

## FEMALE CONTACTS

SPECIFICATION: BS 9522 F0038

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | COLOUR CONTACT |                | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|----------------|----------------|------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 | CONTACT        | WIRE<br>BARREL |                  |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)            | (c)            | (d)              | (e)                              | (f)                        | (g)  | (h)       |
| 4                  | 20              | RED            | RED            | 0.4              | 038-6168                         | --                         | --   | --        |
| 5                  | 16              | BLUE           | BLUE           | 0.8              | 038-6169                         | --                         | --   | --        |
| 6                  | 12              | YELLOW         | YELLOW         | 1.2              | 038-6170                         | --                         | --   | --        |

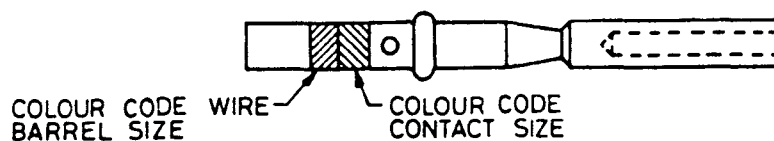


FIG 2

Notes applicable to the Tables are on page 34

TABLE I(Q)

STANDARD RANGE

ASSEMBLY TOOLS

CONTACT INSERTION TOOL

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: T2017

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | CONTACT<br>COLOUR<br>CODE | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|---------------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 |                           |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)                       | (c)                              | (d)                        | (e)  | (f)       |
| 1                  | 08              | RED                       | 648-9991                         | --                         | --   | --        |
| 2                  | 10              | BLUE                      | 648-9999                         | --                         | --   | --        |
| 3                  | 12              | YELLOW                    | 654-2705                         | --                         | --   | --        |

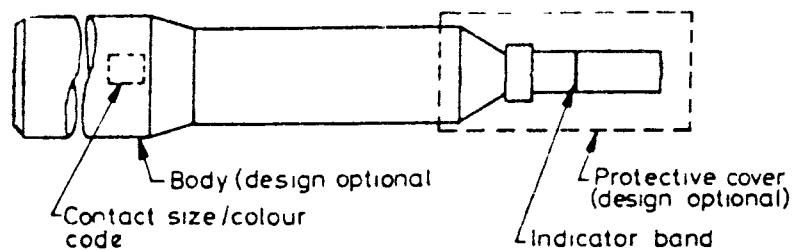


FIG 1

CONTACT REMOVAL TOOL

SPECIFICATION: BS 9522 F0038

STYLE NUMBER: T2018

| PAGE<br>ITEM<br>NO | CONTACT<br>SIZE | CONTACT<br>COLOUR<br>CODE | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE MANAGEMENT<br>CODE |      |           |
|--------------------|-----------------|---------------------------|----------------------------------|----------------------------|------|-----------|
|                    |                 |                           |                                  | NAVY                       | ARMY | AIR FORCE |
|                    | (a)             | (b)                       | (c)                              | (d)                        | (e)  | (f)       |
| 4                  | 20              | RED                       | 015-1265                         | --                         | --   | --        |
| 5                  | 16              | BLUE                      | 015-1266                         | --                         | --   | --        |
| 6                  | 12              | YELLOW                    | 015-1289                         | --                         | --   | --        |

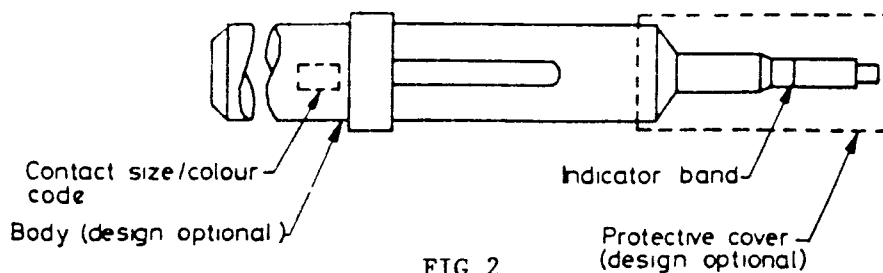


FIG 2

Notes applicable to the Tables are on page 34

NOTES APPLICABLE TO TABLES

1. When only a Service Management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code, eg 0568/648-9003.
2. When only a Service Management code appears in the Army Column, the full Army number is the NATO Stock Number prefixed by that code, eg 232/5935-99-648-9003.
3. When only a Service Management code appears in the Air Force column the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code, eg 10H/6489003 (the number is not hyphenated).
4. - - indicates that, at the date of publication of this Section of the Standard, the Service concerned does not use the item.
5. - indicates that the column heading does not apply.

ANNEX A

1. RELATED SPECIFICATIONS AND DOCUMENTS

1.1 Reference is made in this Section of the Standard to:

|                              |                                                                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                      | 'General requirements for electronic components of assessed quality'                                                                                                                                                              |
| BS 9520                      | 'Electrical connectors of assessed quality for frequencies below 3 MHz: Generic data and methods of test'                                                                                                                         |
| BS 9522 F0038                | 'Multi-Contact, circular, electrical connectors, bayonet coupling, with front release, rear removable, crimp contacts'                                                                                                            |
| DEF STAN 59-4<br>(PART 7)/1  | 'Plugs and sockets electrical. PART 7: Orientations and contact allocations reserved for power supplies'                                                                                                                          |
| PD 9002                      | 'BS 9000 and BS CECC: Qualified products list'                                                                                                                                                                                    |
| DEF STAN 59-35<br>(PART 3)/1 | 'Connectors for dc and low frequency applications'                                                                                                                                                                                |
| DEF STAN 59-36<br>(PART 1)/2 | 'Electronic components for Defence purposes. (PART 1): The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                         |
| DEF STAN 59-36<br>(PART 2)   | 'Electronic components for Defence purposes. (PART 2): Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected' |
| DEF STAN 59-59               | 'Electrical/Electronic components for Defence use - Services qualified products list'                                                                                                                                             |
| CPU/PIP/109-1                | 'Specification for the packaging of connectors electrical'                                                                                                                                                                        |

1.2 Reference in this Section of the Standard to any related documented means, in any tender or contract, the edition current at the date of such tender or contract unless a specific issue is indicated.

2. The following documents and specifications are obtainable from the addresses shown:

- 2.1 Copies of British Standards are obtainable from:

British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND

- 2.2 Copies of BS 9000 'F' Specifications are obtainable from the relevant manufacturer listed in PD 9002.

- 2.3 Copies of Packaging Specification CPU/PIP/109-1 are obtainable from:

Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW

- 2.4 Copies of PD 9002 are obtainable from:

British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR

- 2.5 Copies of Defence Standards obtainable from:

Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE

### 3. DATA SHEETS

- 3.1 In addition to the documents listed in sub-clause 1.1, Data Sheets, which contain abridged data from the BS 9520 series, are available to Defence contractors under reference:

DEF STAN 59-35 (PART 99) - Connectors, electrical, data sheets for  
BS 9000 Detail Specifications.

- 3.2 Any enquiries regarding Data Sheets should be addressed to:

Directorate of Standardization  
Stan 7/8 (Sec)  
First Avenue House  
High Holborn  
London WC1V 6HE

ANNEX B

MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF)

The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (LF) on behalf of the Ministry of Defence who may be contacted at the following address:

Procurement Executive  
Ministry of Defence  
Directorate of Components Valves and Devices (DCVD)  
CVD 2S  
Empress State Building  
Lillie Road  
Fulham  
London SW6 1TR

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**Ministry of Defence**

**INTERIM**

---

**Defence Standard**

**59-35(PART 3)  
SECTION 7/Issue 1**

**4th December 1980**

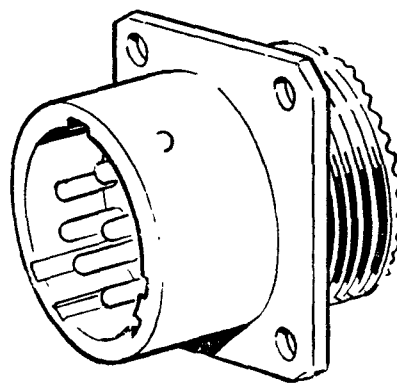
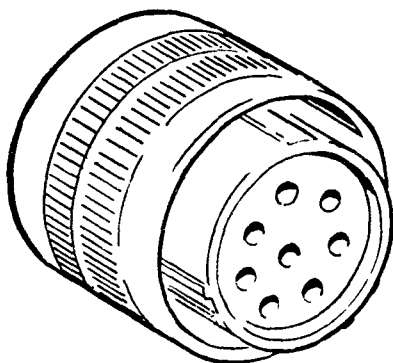
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**CONNECTORS, ELECTRICAL**

**PART 3: CONNECTORS FOR d.c. AND  
LOW FREQUENCY APPLICATIONS**

**SECTION 7: PATTERN 9522 F0017**

**LIST OF ITEMS CONFORMING TO  
BS 9522 F0017**



INTERIM DEF STAN 59-35(PART 3) SECTION 7/1CONNECTORS, ELECTRICALPART 3: CONNECTORS FOR dc AND LOW FREQUENCY APPLICATIONSSECTION 7: PATTERN 9522 F0017LIST OF ITEMS CONFORMING TO BS 9522 F0017A M E N D M E N T 1

1. Delete all references to "INTERIM" at the following:-
  - a. Front cover, top left corner.
  - b. At page 1 heading, and at all corner references pages 2 to 67 inclusive preceding the words DEF STAN.
  - c. Page 1, in the boxed area.
  - d. Page 1, clause 1, line 1.
  - e. Page 1, clause 2, line 1.
  - f. Page 1, clause 3, line 1.
  - g. Page 1, clause 9, line 2.
  - h. Page 2, clause 10, line 1.
  - i. Page 2, clause 11, lines 1 and 4.
  - j. Page 2, clause 12, line 1.
  - k. Page 5, clause 1, line 1.
  - l. Page 5, clause 2.1, line 1.
  - m. Page 5, clause 2.3, line 1.
  - n. Page 5, clause 3.1, line 2.
  - o. Page 6, clause 4.1, lines 1 and 3.
  - p. Page 6, clause 4.2, line 2.
  - q. Page 6, clause 5.1, line 1.
  - r. Page 8, clause 7, line 1.
  - s. Page 8, clause 8, line 1.
  - t. Page 8, clause 9.1, line 1.
  - u. Page 8, clause 9.2, lines 1 and 3.
  - v. Page 8, clause 12, lines 2 and 3.
  - w. Page 64, clause 4, line 1.
  - x. Page 66, clause 1.1, line 1.
  - y. Page 66, clause 1.2, line 1.

2. Page 9. PAGE ITEM NO 23. column (d)

Delete: 012-3889  
Substitute: 012-3889

3. Page 10. PAGE ITEM NOs 36 to 40 inclusive  
columns (d) and (f)

|                |          |          |
|----------------|----------|----------|
| <u>Delete:</u> | 012-9581 | 012-9626 |
|                | 012-9583 | 012-9628 |
|                | 012-9584 | 012-9629 |
|                | 012-9582 | 012-9627 |
|                | 012-9585 | 012-9630 |

|                    |          |          |
|--------------------|----------|----------|
| <u>Substitute:</u> | 012-9421 | 012-9466 |
|                    | 012-9423 | 012-9468 |
|                    | 012-9424 | 012-9469 |
|                    | 012-9422 | 012-9467 |
|                    | 012-9425 | 012-9470 |

4. Page 15. PAGE ITEM NO 8. column (f)

Delete: 012-8710  
Substitute: 012-8810

5. Page 23

a. PAGE ITEM NOs 1 and 2. column (d)

Delete: 012-7230  
012-7231

Substitute: 012-7233  
012-7234

b. PAGE ITEM NO 15. column (d)

Delete: 012-9579  
Substitute: 012-9479

6. Page 65. ANNEX B. MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF)

Delete the last 4 lines of the address:

Royal Signals and Radar Establishment,  
Leigh Sinton Road,  
Great Malvern,  
Worcestershire WR14 1LL

Substitute:

CVD2S,  
Empress State Building,  
Lillie Road,  
Fulham,  
London SW6 1TR

7. Make a note of this amendment on the Amendment Record.

15 SEPTEMBER 1981  
DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON WC1V 6HE

CONNECTORS, ELECTRICAL

PART 3: CONNECTORS, ELECTRICAL FOR dc AND LOW FREQUENCY APPLICATIONS

SECTION 7: PATTERN 9522 F0017

(Formerly known as MOD Pattern 105)

This INTERIM Section of the Defence Standard supersedes DEF STAN 59-35 (PART 1) SECTION 3 ISSUE 1 dated 4 March 1971

1. This INTERIM Section of Defence Standard 59-35 (PART 3) implements BS 9522 F0017 Detail Specification for electrical connectors for dc and low frequency applications, multicontact, circular, bayonet coupling, with non-removable soldered terminations. Environmental category 55/125/56. It is for Ministry of Defence use.
2. This INTERIM Section of the Standard is to be used in conjunction with DEF STAN 59-35 (PART 3), Connectors, electrical for dc and low frequency applications' and BS9520 'Specification for electrical connectors of assessed quality for frequencies below 3 MHz'. All the requirements are applicable unless stated herein.
3. This INTERIM Section of the Standard implements NATO Electronic Parts Recommendation (NEPR) No 27, Multicontact connectors, electrical, circular, miniature bayonet coupling. The substance of the recommendation is given in Annex A.
4. Tables I(A) to I(F) inclusive, list the standard range of connectors, electrical, to be used in all future designs of equipment and, wherever acceptable, for the maintenance of existing equipment.
5. Tables I(G) to I(R) inclusive, list the standard range of connector, electrical accessories, to be used in all future designs of equipment and, wherever acceptable, for the maintenance of existing equipment.
6. Tables II(A) to II(H) inclusive, list items permitted only for maintenance purposes.
7. Tables III (A) and III(B) list connectors, electrical, that are no longer to be provisioned. Existing stocks may be used until exhausted.
8. Defence Standard 59-35 (PART 99) (when published) will contain data sheets for connectors, electrical, which specify technical data related to BS 9000 Detail Specifications.
9. Related specifications and documents are listed in DEF STAN 59-35 (PART 3), and Annex C of this INTERIM Section of the Standard.

**INTERIM DEF STAN 59-35 (PART 3)**  
**SECTION 7/1**

10. This INTERIM Section of the Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer, (See Annex B). It will be reviewed twelve months after publication.
11. This INTERIM Section of the Standard has been agreed by authorities concerned. It is to be implemented, wherever practicable, in all designs, contracts, orders, etc commencing after its date of publication. If a difficulty arises which prevents application of this INTERIM Standard, the Directorate of Standardization shall be informed so that a remedy can be sought.
12. Any enquiries regarding this INTERIM Section of the Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

LIST OF CONTENTS

TITLE

PAGE

1. CONNECTORS, ELECTRICAL PATTERN 9522 F0017, GENERAL INFORMATION

2. TABLES

CONNECTORS, ELECTRICAL PATTERN 9522 F0017

|      |           |   |                                                        |   |
|------|-----------|---|--------------------------------------------------------|---|
| I(A) | (         | ) | STYLE NO C2092: FREE (KNURLED COUPLING NUT)            |   |
|      | (         | ) | WITH ACCESSORY THREAD                                  |   |
| I(B) | (         | ) | STYLE NO C2094: FREE (COARSE RIBBED COUPLING NUT)      | 1 |
|      | (         | ) | WITH ACCESSORY THREAD                                  |   |
| I(C) | (         | ) | STYLE NO C2096: FIXED, SQUARE FLANGE, 4 HOLE, FRONT OR | 1 |
|      | (STANDARD | ) | REAR MOUNTING, WITH ACCESSORY THREAD                   |   |
| I(D) | (RANGE    | ) | STYLE NO C2098: FIXED, SINGLE HOLE MOUNTING WITH       | 1 |
|      | (         | ) | ACCESSORY THREAD                                       |   |
| I(E) | (         | ) | STYLE NO C2099: FIXED, SINGLE HOLE MOUNTING WITH       | 2 |
|      | (         | ) | SOLDER SPILLS                                          |   |
| I(F) | (         | ) | STYLE NO C2101: FREE, IN-LINE COUPLER WITH             | 2 |
|      | (         | ) | ACCESSORY THREAD                                       |   |

ACCESSORIES: PATTERN 9522 F0017

|      |           |   |                                                    |   |
|------|-----------|---|----------------------------------------------------|---|
| I(G) | (         | ) | STYLE NO A2102: GROMMET NUT ASSEMBLY               | 3 |
| I(H) | (         | ) | STYLE NO A2103: CABLE CLAMP ASSEMBLY               | 3 |
| I(J) | (         | ) | STYLE NO A2011: CABLE GROMMET                      | 3 |
| I(K) | (         | ) | STYLE NO A2012: COVER FOR CONNECTOR, FREE          | 3 |
| I(L) | (STANDARD | ) | STYLE NO A2013: COVER FOR CONNECTOR, FIXED, TYPE 1 | 3 |
| I(M) | (RANGE    | ) | STYLE NO A2014: COVER FOR CONNECTOR, FIXED, TYPE 2 | 3 |
| I(N) | (         | ) | STYLE NO A2015: FILLER PLUG, TYPE 1 (PREFERRED)    | 3 |
| I(P) | (         | ) | STYLE NO A2016: FILLER PLUG, TYPE 2                | 3 |
| I(Q) | (         | ) | STYLE NO A2202: FILLED PLUG, TYPE 3                | 3 |
| I(R) | (         | ) | STYLE NO A2203: SQUARE FLANGE STOWAGE RECEPTACLE   | 3 |

PLUGS AND SOCKETS, ELECTRICAL PATTERN 105

|       |               |   |                                                       |   |
|-------|---------------|---|-------------------------------------------------------|---|
| II(A) | (             | ) | FIXED, FEMALE SHELL, FLANGE MOUNTING                  | 3 |
| II(B) | (             | ) | FIXED, FEMALE SHELL, WITH GROMMET SEAL,               |   |
|       | (             | ) | FLANGE MOUNTING                                       | 4 |
| II(C) | (ITEMS        | ) | FIXED, FEMALE SHELL, SQUARE FLANGE MOUNTING           | 4 |
| II(D) | (PERMITTED    | ) | FREE, FEMALE SHELL WITH ACCESSORY THREAD              | 4 |
| II(E) | (ONLY         | ) | FREE, MALE SHELL WITH ACCESSORY THREAD                | 5 |
| II(F) | (FOR          | ) | FREE, MALE SHELL WITH ACCESSORY THREAD AND RIBBED     |   |
|       | (MAINTENANCE) | ) | COUPLING NUT                                          | 5 |
| II(G) | (PURPOSES     | ) | CABLE OUTLET ACCESSORY (OPEN WIRING (A AND P CABLES)) | 5 |
| II(H) | (             | ) | CAP, PROTECTIVE, DUST AND MOISTURE SEAL               | 5 |
|       | (             | ) |                                                       |   |
|       | (             | ) |                                                       |   |
|       | (             | ) |                                                       |   |

LIST OF CONTENTS (CONTINUED)

| <u>TABLES</u> | <u>TITLE</u>                                     | <u>PAGE</u> |
|---------------|--------------------------------------------------|-------------|
|               | <u>PLUGS AND SOCKETS: PATTERN 105</u>            |             |
| III(A)        | (ITEMS NO ) PLUG, ELECTRICAL                     | 57          |
| III(B)        | (LONGER TO BE) SOCKET, ELECTRICAL                | 61          |
|               | (PROVISIONED )                                   |             |
| 3.            | NOTES APPLICABLE TO TABLES.                      | 64          |
| 4.            | <u>ANNEXES</u>                                   |             |
| A.            | NEPR NO 27 SUBSTANCE OF RECOMMENDATION           | 65          |
| B.            | MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF) | 65          |
| C.            | RELATED SPECIFICATIONS AND DOCUMENTS             | 66          |

CONNECTORS, ELECTRICAL

PATTERN 9522 F0017

GENERAL INFORMATION

1. SCOPE

This INTERIM Section of Defence Standard 59-35 (PART 3) lists details of connectors, electrical for dc and low frequency applications, multi-contact, circular, bayonet coupling, with non-removable, soldered terminations. Environmental category 55/125/56.

2. WARNING

2.1 This INTERIM Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.

2.2 Particular attention is drawn to the following hazard when used for mains power connections:

2.2.1 These connectors, electrical, do not conform to safety requirements in respect to earth pins or creepage distance.

2.3 This INTERIM Section of the Standard has been devised for the use of the Crown and of its contractors in the execution of contracts for the Crown and, subject to the Unfair Contract Terms Act 1977, the Crown will not be liable in any way whatever (including but without limitation negligence on the part of the Crown, its servants or agents) where the Standard is used for other purposes.

3. QUALIFICATION APPROVAL

3.1 It is essential that having selected a particular component from the Standard range listed in this INTERIM Section of the Standard reference is made to:

DEF STAN 59-59 'Electrical/Electronic components for Defence use -  
Services qualified products list' or  
PD 9002 'BS 9000 and BS CECC: Qualified products list'

to ascertain that a Qualification Approval Certificate is extant for the item concerned. If there is no such certificate at the time of selection then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

3.1.1 Where no Qualification Approval exists or selection from an item in Table I cannot be made, then the procedure given in DEF STAN 59-36 (PART 2) shall apply.

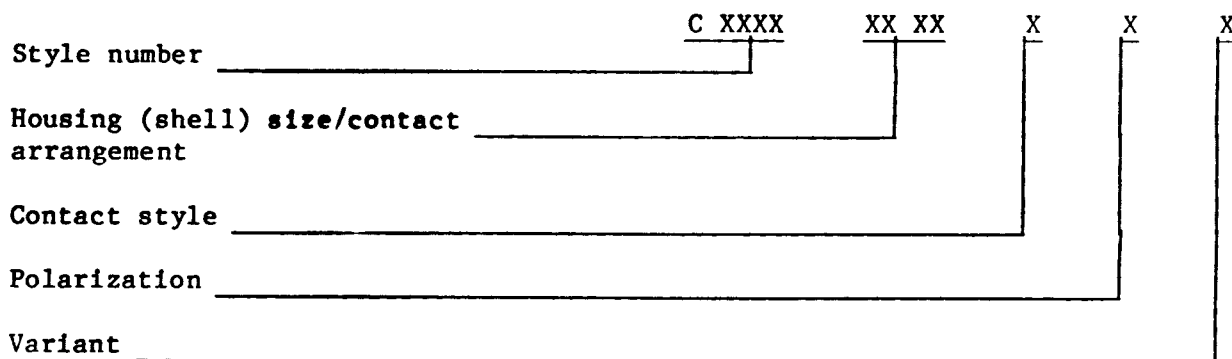
4. ORDERING INFORMATION

- 4.1 When ordering connectors, electrical, listed in this INTERIM Section of the Standard the ordering information required by BS 9522 F0017, clause 4, this INTERIM Defence Standard number, and the NATO Stock Number(s) shall be stated, together with the packaging requirements.
- 4.2 Ordering and packaging of filler plugs for connectors, electrical listed in this INTERIM Section of the Standard shall be a matter for agreement between customer and vendor and as directed in the contract.
- 4.3 If any difficulties arise from the identification of connectors, electrical, against NATO Stock Numbers, clarification should be sought from:

The Defence Codification Authority  
Ministry of Defence  
Leysdown Road  
Mottingham  
LONDON SE9 3NN

5. STYLE REFERENCE

- 5.1 The style references used in this INTERIM Section of the Standard are in accordance with clause 1.1.6 of BS 9520 and consist of abbreviations to identify individual connectors as follows:

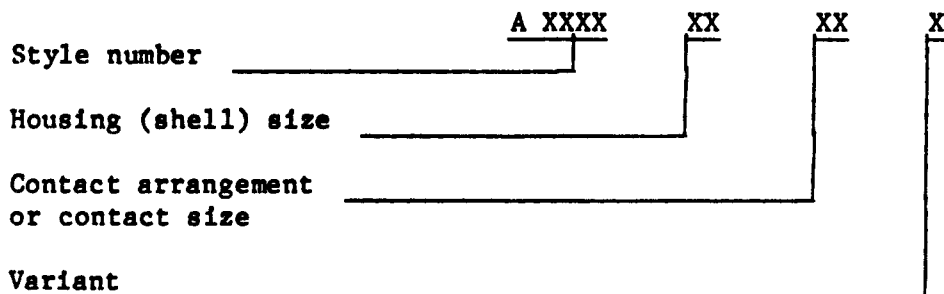


|                                           |                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Style number:                             | As shown in headings to Tables I(A) to I(F)                                                                                       |
| Housing (shell) size/contact arrangement: | Four digits as shown in Tables I(A) to I(F)                                                                                       |
| Contact style:                            | M = male contact, F = female contact                                                                                              |
| Polarization:                             | Letter assigned to a particular arrangement of housing (shell) keys and keyways or to a particular angular position of an insert. |
| Variant:                                  | A digit denoting any variation from the basic specification                                                                       |

0 = standard connector

5.1.2 Example style reference number: C 2092 0833 MNO

5.3 Marking of accessories shall be as follows:



**Style number:** As shown in headings to Tables I(G) to I(R)

**Housing (Shell) Size:** Two digits for the appropriate housing (shell) size. 00 where not applicable

**Contact arrangement or contact size:** Two digits for the appropriate contact arrangement or contact size. 00 where not applicable

**Variant:** 0 = accessories for the standard connector

5.3.1 Example style reference numbers:

|                |                           |
|----------------|---------------------------|
| A 2102 12 10 0 | Grommet nut assembly      |
| A 2013 12 00 0 | Cover for connector fixed |
| A 2202 00 16 0 | Filler plug size 16       |

#### 5.3.1.1 Example for ordering

Connector, Electrical, BS 9522, F0017 and DEF STAN 59-35 (PART 3) Section 7 Issue Ø Style C2092 08 33 MNO NATO Stock Number 5935-99-012-8837.

Note: Ø indicates that the current Issue No is applicable.

### 6. PACKAGING INSTRUCTION

6.1 The packaging of connectors, electrical, is to be in accordance with the packaging instructions given in Annex C, and with those given in CPU/PIP/109-1, unless otherwise stated in any tender or contract.

6.1.1 Additional requirements for marking and packaging of Pattern 9522 F0017 connectors, electrical, for Service use are given in DEF STAN 59-35 (PART 3).

7. INTERMATEABILITY

Connectors, electrical, listed in this INTERIM Section of the Standard are intermateable with those listed in DEF STAN 59-35 (PART 1) Section 3 (Pattern 105), DEF STAN 59-56 (PART 1) SECTION 1 (Pattern 602), and DEF STAN 59-35 (PART 3) SECTION 5 (Pattern 603).

8. INTERCHANGEABILITY

Connectors, electrical, listed in this INTERIM Section of the Standard are interchangeable with those in DEF STAN 59-35 (PART 1) SECTION 3 (Pattern 105).

9. ILLUSTRATIONS AND DRAWINGS

9.1 The essential purpose of the illustrations shown in this INTERIM Section of the Standard is to ensure mechanical interchangeability. IT IS ESSENTIAL THAT, FOR ALL REQUIREMENTS, DESIGNERS WORK TO THE DIMENSIONS STATED IN BS 9522 F0017 AND NOT TO THOSE OF INDIVIDUAL SPECIMENS.

9.2 Ministry of Defence drawings associated with this INTERIM Section of the Standard must not be altered in any way which will affect function, material or interchangeability unless this INTERIM Section of the Standard itself is amended. Copies of such drawings are available from the address shown in ANNEX C.

10. SUPPLEMENTARY INFORMATION

Additional requirements to those specified by BS 9520 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

11. RELATIONSHIP BETWEEN DEFENCE STANDARDS AND CECC/BS 9000 SERIES

For details of the relationship between Defence Standards and CECC/British Standard 9000 series reference should be made to DEF STAN 59-36 (PART 1).

12. IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

When CECC/BS Harmonized Sectional and Detail Specifications relevant to this INTERIM Section of the Standard are published and their implementation is agreed by the MSO then this INTERIM Section will be amended to give details of the CECC documents concerned ie CECC 20 000 series.

TABLE I(A)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 F0017

STYLE: FREE, (KNURLED COUPLING NUT) WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0017

STYLE NUMBER: C2092

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     | SERVICE MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-----------------------------|------|--------------|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY                        | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                             |      |              |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)                         | (h)  | (j)          |
| 1                  | 08 - 33                     |                             | N                | C2092 08 33 MNO              | 012-8837                            | C2092 08 33 FNO              | 012-8857                            | 0568                        | Z32  | 10H          |
| 2                  |                             |                             | E                | C2092 08 33 MEO              | 012-8838                            | C2092 08 33 FEO              | 012-8858                            | 0568                        | Z32  | 10H          |
|                    |                             |                             | F                | C2092 08 33 MFO              | 012-8839                            | C2092 08 33 FFO              | 012-8859                            | 0568                        | Z32  | 10H          |
| 4                  | 10 - 02                     |                             | N                | C2092 10 02 MNO              | 012-8791                            | C2092 10 02 FNO              | 012-8816                            | 0568                        | Z32  | 10H          |
| 5                  |                             |                             | B                | C2092 10 02 MBO              | 012-8793                            | C2092 10 02 FBO              | 012-8818                            | 0568                        | Z32  | 10H          |
| 6                  |                             |                             | C                | C2092 10 02 MCO              | 012-8794                            | C2092 10 02 FCO              | 012-8819                            | 0568                        | Z32  | 10H          |
| 7                  |                             |                             | E                | C2092 10 02 MEO              | 012-8792                            | C2092 10 02 FEO              | 012-8817                            | 0568                        | Z32  | 10H          |
| 8                  |                             |                             | F                | C2092 10 02 MFO              | 012-8795                            | C2092 10 02 FFO              | 012-8820                            | 0568                        | Z32  | 10H          |
| 9                  | 10 - 06                     |                             | N                | C2092 10 06 MNO              | 012-9169                            | C2092 10 06 FNO              | 012-9199                            | 0568                        | Z32  | 10H          |
| 10                 |                             |                             | B                | C2092 10 06 MBO              | 012-9171                            | C2092 10 06 FBO              | 012-9201                            | 0568                        | Z32  | 10H          |
| 11                 |                             |                             | C                | C2092 10 06 MCO              | 012-9172                            | C2092 10 06 FCO              | 012-9202                            | 0568                        | Z32  | 10H          |
| 12                 |                             |                             | E                | C2092 10 06 MEO              | 012-9170                            | C2092 10 06 FEO              | 012-9200                            | 0568                        | Z32  | 10H          |
| 13                 |                             |                             | F                | C2092 10 06 MFO              | 012-9173                            | C2092 10 06 FFO              | 012-9203                            | 0568                        | Z32  | 10H          |
| 14                 | 10 - 07                     |                             | N                | C2092 10 07 MNO              | 014-7193                            | C2092 10 07 FNO              | 014-7223                            | 0568                        | Z32  | 10H          |
| 15                 |                             |                             | B                | C2092 10 07 MBO              | 014-7194                            | C2092 10 07 FBO              | 014-7224                            | 0568                        | Z32  | 10H          |
| 16                 |                             |                             | C                | C2092 10 07 MCO              | 014-7195                            | C2092 10 07 FCO              | 014-7225                            | 0568                        | Z32  | 10H          |
| 17                 |                             |                             | E                | C2092 10 07 MEO              | 014-7196                            | C2092 10 07 FEO              | 014-7226                            | 0568                        | Z32  | 10H          |
| 18                 |                             |                             | F                | C2092 10 07 MFO              | 014-7197                            | C2092 10 07 FFO              | 014-7227                            | 0568                        | Z32  | 10H          |
| 19                 | 12 - 03                     |                             | N                | C2092 12 03 MNO              | 012-8885                            | C2092 12 03 FNO              | 012-8915                            | 0568                        | Z32  | 10H          |
| 20                 |                             |                             | B                | C2092 12 03 MBO              | 012-8887                            | C2092 12 03 FBO              | 012-8917                            | 0568                        | Z32  | 10H          |
| 21                 |                             |                             | C                | C2092 12 03 MCO              | 012-8888                            | C2092 12 03 FCO              | 012-8918                            | 0568                        | Z32  | 10H          |
| 22                 |                             |                             | E                | C2092 12 03 MEO              | 012-8886                            | C2092 12 03 FEO              | 012-8916                            | 0568                        | Z32  | 10H          |
| 23                 |                             |                             | F                | C2092 12 03 MFO              | 012-3889                            | C2092 12 03 FFO              | 012-8919                            | 0568                        | Z32  | 10H          |
| 24                 | 12 - 10                     |                             | N                | C2092 12 10 MNO              | 012-9331                            | C2092 12 10 FNO              | 012-9376                            | 0568                        | Z32  | 10H          |
| 25                 |                             |                             | B                | C2092 12 10 MBO              | 012-9333                            | C2092 12 10 FBO              | 012-9378                            | 0568                        | Z32  | 10H          |
| 26                 |                             |                             | C                | C2092 12 10 MCO              | 012-9334                            | C2092 12 10 FCO              | 012-9379                            | 0568                        | Z32  | 10H          |
| 27                 |                             |                             | E                | C2092 12 10 MEO              | 012-9332                            | C2092 12 10 FEO              | 012-9377                            | 0568                        | Z32  | 10H          |
| 28                 |                             |                             | F                | C2092 12 10 MFO              | 012-9335                            | C2092 12 10 FFO              | 012-9380                            | 0568                        | Z32  | 10H          |
| 29                 | 14 - 02                     |                             | N                | C2092 14 02 MNO              | 014-7261                            | C2092 14 02 FNO              | 014-7303                            | 0568                        | Z32  | 10H          |
| 30                 |                             |                             | B                | C2092 14 02 MBO              | 014-7262                            | C2092 14 02 FBO              | 014-7304                            | 0568                        | Z32  | 10H          |
| 31                 |                             |                             | C                | C2092 14 02 MCO              | 014-7263                            | C2092 14 02 FCO              | 014-7305                            | 0568                        | Z32  | 10H          |
| 32                 |                             |                             | E                | C2092 14 02 MEO              | 014-7264                            | C2092 14 02 FEO              | 014-7306                            | 0568                        | Z32  | 10H          |
| 33                 |                             |                             | F                | C2092 14 02 MFO              | 014-7265                            | C2092 14 02 FFO              | 014-7307                            | 0568                        | Z32  | 10H          |

Notes applicable to this Table are on page 64

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              | SERVICE MANAGEMENT                  |       |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)  | (j)          |
| 1                  | 14 - 05                     |                             | N                | C2092 14 05 MNO              | 012-8957                            | C2092 14 05 FNO              | 012-9136                            | 0568  | Z32  | 10H          |
| 2                  |                             |                             | B                | C2092 14 05 MBO              | 012-8959                            | C2092 14 05 FBO              | 012-9138                            | 0568  | Z32  | 10H          |
| 3                  |                             |                             | C                | C2092 14 05 MCO              | 012-8960                            | C2092 14 05 FCO              | 012-9139                            | 0568  | Z32  | 10H          |
| 4                  |                             |                             | E                | C2092 14 05 MEO              | 012-8958                            | C2092 14 05 FEO              | 012-9137                            | 0568  | Z32  | 10H          |
| 5                  |                             |                             | F                | C2092 14 05 MFO              | 012-8961                            | C2092 14 05 FFO              | 012-9140                            | 0568  | Z32  | 10H          |
| 6                  | 14 - 12                     |                             | N                | C2092 14 12 MNO              | 012-9503                            | C2092 14 12 FNO              | 012-9538                            | 0568  | Z32  | 10H          |
| 7                  |                             |                             | B                | C2092 14 12 MBO              | 012-9505                            | C2092 14 12 FBO              | 012-9540                            | 0568  | Z32  | 10H          |
| 8                  |                             |                             | C                | C2092 14 12 MCO              | 012-9506                            | C2092 14 12 FCO              | 012-9541                            | 0568  | Z32  | 10H          |
| 9                  |                             |                             | E                | C2092 14 12 MEO              | 012-9504                            | C2092 14 12 FEO              | 012-9539                            | 0568  | Z32  | 10H          |
| 10                 |                             |                             | F                | C2092 14 12 MFO              | 012-9507                            | C2092 14 12 FFO              | 012-9542                            | 0568  | Z32  | 10H          |
| 11                 | 14 - 19                     |                             | N                | C2092 14 19 MNO              | 012-9667                            | C2092 14 19 FNO              | 012-9707                            | 0568  | Z32  | 10H          |
| 12                 |                             |                             | B                | C2092 14 19 MBO              | 012-9669                            | C2092 14 19 FBO              | 012-9709                            | 0568  | Z32  | 10H          |
| 13                 |                             |                             | C                | C2092 14 19 MCO              | 012-9670                            | C2092 14 19 FCO              | 012-9710                            | 0568  | Z32  | 10H          |
| 14                 |                             |                             | E                | C2092 14 19 MEO              | 012-9668                            | C2092 14 19 FEO              | 012-9708                            | 0568  | Z32  | 10H          |
| 15                 |                             |                             | F                | C2092 14 19 MFO              | 012-9671                            | C2092 14 19 FFO              | 012-9711                            | 0568  | Z32  | 10H          |
| 16                 | 14 - 22                     |                             | N                | C2092 14 22 MNO              | 014-7341                            | C2092 14 22 FNO              | 014-7377                            | 0568  | Z32  | 10H          |
| 17                 |                             |                             | B                | C2092 14 22 MBO              | 014-7342                            | C2092 14 22 FBO              | 014-7378                            | 0568  | Z32  | 10H          |
| 18                 |                             |                             | C                | C2092 14 22 MCO              | 014-7343                            | C2092 14 22 FCO              | 014-7379                            | 0568  | Z32  | 10H          |
| 19                 |                             |                             | E                | C2092 14 22 MEO              | 014-7344                            | C2092 14 22 FEO              | 014-7382                            | 0568  | Z32  | 10H          |
| 20                 |                             |                             | F                | C2092 14 22 MFO              | 014-7345                            | C2092 14 22 FFO              | 014-7381                            | 0568  | Z32  | 10H          |
| 21                 | 16 - 08                     |                             | N                | C2092 16 08 MNO              | 012-9241                            | C2092 16 08 FNO              | 012-9286                            | 0568  | Z32  | 10H          |
| 22                 |                             |                             | B                | C2092 16 08 MBO              | 012-9243                            | C2092 16 08 FBO              | 012-9288                            | 0568  | Z32  | 10H          |
| 23                 |                             |                             | C                | C2092 16 08 MCO              | 012-9244                            | C2092 16 08 FCO              | 012-9289                            | 0568  | Z32  | 10H          |
| 24                 |                             |                             | E                | C2092 16 08 MEO              | 012-9242                            | C2092 16 08 FEO              | 012-9287                            | 0568  | Z32  | 10H          |
| 25                 |                             |                             | F                | C2092 16 08 MFO              | 012-9245                            | C2092 16 08 FFO              | 012-9290                            | 0568  | Z32  | 10H          |
| 26                 | 16 - 26                     |                             | N                | C2092 16 26 MNO              | 012-9837                            | C2092 16 26 FNO              | 012-9877                            | 0568  | Z32  | 10H          |
| 27                 |                             |                             | B                | C2092 16 26 MBO              | 012-9839                            | C2092 16 26 FBO              | 012-9879                            | 0568  | Z32  | 10H          |
| 28                 |                             |                             | C                | C2092 16 26 MCO              | 012-9840                            | C2092 16 26 FCO              | 012-9880                            | 0568  | Z32  | 10H          |
| 29                 |                             |                             | E                | C2092 16 26 MEO              | 012-9838                            | C2092 16 26 FEO              | 012-9878                            | 0568  | Z32  | 10H          |
| 30                 |                             |                             | F                | C2092 16 26 MFO              | 012-9841                            | C2092 16 26 FFO              | 012-9881                            | 0568  | Z32  | 10H          |
| 31                 | 18 - 08                     |                             | N                | C2092 18 08 MNO              | 038-3736                            | C2092 18 08 FNO              | 038-3741                            | --    | --   | --           |
| 32                 |                             |                             | B                | C2092 18 08 MBO              | 038-3737                            | C2092 18 08 FBO              | 038-3742                            | --    | --   | --           |
| 33                 |                             |                             | C                | C2092 18 08 MCO              | 038-3738                            | C2092 18 08 FCO              | 038-3743                            | --    | --   | --           |
| 34                 |                             |                             | E                | C2092 18 08 MEO              | 038-3739                            | C2092 18 08 FEO              | 038-3744                            | --    | --   | --           |
| 35                 |                             |                             | F                | C2092 18 08 MFO              | 038-3740                            | C2092 18 08 FFO              | 038-3745                            | --    | --   | --           |
| 36                 | 18 - 11                     |                             | N                | C2092 18 11 MNO              | 012-9581                            | C2092 18 11 FNO              | 012-9626                            | 0568  | Z32  | 10H          |
| 37                 |                             |                             | B                | C2092 18 11 MBO              | 012-9583                            | C2092 18 11 FBO              | 012-9628                            | 0568  | Z32  | 10H          |
| 38                 |                             |                             | C                | C2092 18 11 MCO              | 012-9584                            | C2092 18 11 FCO              | 012-9629                            | 0568  | Z32  | 10H          |
| 39                 |                             |                             | E                | C2092 18 11 MEO              | 012-9582                            | C2092 18 11 FEO              | 012-9627                            | 0568  | Z32  | 10H          |
| 40                 |                             |                             | F                | C2092 18 11 MFO              | 012-9585                            | C2092 18 11 FFO              | 012-9630                            | 0568  | Z32  | 10H          |

Notes applicable to this Table are on page 64

TABLE I(A) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |          |      |              | SERVICE MANAGEMENT |     |     |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|------|--------------|--------------------|-----|-----|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES    |      |              |                    |     |     |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY     | ARMY | AIR<br>FORCE |                    |     |     |
|                    |                             |                             |                  |                              |                                     |                              |                                     |          |      |              | (a)                | (b) | (c) |
| 1                  | 18                          | -                           | 32               | N                            | C2092 18 32 MNO                     | 012-9921                     | C2092 18 32 FNO                     | 012-9966 | 0568 | Z32          | 10H                |     |     |
| 2                  |                             |                             |                  | B                            | C2092 18 32 MBO                     | 012-9923                     | C2092 18 32 FBO                     | 012-9968 | 0568 | Z32          | 10H                |     |     |
| 3                  |                             |                             |                  | C                            | C2092 18 32 MCO                     | 012-9924                     | C2092 18 32 FCO                     | 012-9969 | 0568 | Z32          | 10H                |     |     |
| 4                  |                             |                             |                  | E                            | C2092 18 32 MEO                     | 012-9922                     | C2092 18 32 FEO                     | 012-9967 | 0568 | Z32          | 10H                |     |     |
| 5                  |                             |                             |                  | F                            | C2092 18 32 MFO                     | 012-9925                     | C2092 18 32 FFO                     | 012-9970 | 0568 | Z32          | 10H                |     |     |
| 6                  | 20                          | -                           | 16               | N                            | C2092 20 16 MNO                     | 012-9581                     | C2092 20 16 FNO                     | 012-9626 | 0568 | Z32          | 10H                |     |     |
| 7                  |                             |                             |                  | B                            | C2092 20 16 MBO                     | 012-9583                     | C2092 20 16 FBO                     | 012-9628 | 0568 | Z32          | 10H                |     |     |
| 8                  |                             |                             |                  | C                            | C2092 20 16 MCO                     | 012-9584                     | C2092 20 16 FCO                     | 012-9629 | 0568 | Z32          | 10H                |     |     |
| 9                  |                             |                             |                  | E                            | C2092 20 16 MEO                     | 012-9582                     | C2092 20 16 FEO                     | 012-9627 | 0568 | Z32          | 10H                |     |     |
| 10                 |                             |                             |                  | F                            | C2092 20 16 MFO                     | 012-9585                     | C2092 20 16 FFO                     | 012-9630 | 0568 | Z32          | 10H                |     |     |
| 11                 | 20                          | -                           | 41               | N                            | C2092 20 41 MNO                     | 013-0007                     | C2092 20 41 FNO                     | 013-0047 | 0568 | Z32          | 10H                |     |     |
| 12                 |                             |                             |                  | B                            | C2092 20 41 MBO                     | 013-0009                     | C2092 20 41 FBO                     | 013-0049 | 0568 | Z32          | 10H                |     |     |
| 13                 |                             |                             |                  | C                            | C2092 20 41 MCO                     | 013-0010                     | C2092 20 41 FCO                     | 013-0050 | 0568 | Z32          | 10H                |     |     |
| 14                 |                             |                             |                  | E                            | C2092 20 41 MEO                     | 013-0008                     | C2092 20 41 FEO                     | 013-0048 | 0568 | Z32          | 10H                |     |     |
| 15                 |                             |                             |                  | F                            | C2092 20 41 MFO                     | 013-0011                     | C2092 20 41 FFO                     | 013-0051 | 0568 | Z32          | 10H                |     |     |
| 16                 | 22                          | -                           | 21               | N                            | C2092 22 21 MNO                     | 012-9751                     | C2092 22 21 FNO                     | 012-9796 | 0568 | Z32          | 10H                |     |     |
| 17                 |                             |                             |                  | B                            | C2092 22 21 MBO                     | 012-9753                     | C2092 22 21 FBO                     | 012-9798 | 0568 | Z32          | 10H                |     |     |
| 18                 |                             |                             |                  | C                            | C2092 22 21 MCO                     | 012-9754                     | C2092 22 21 FCO                     | 012-9799 | 0568 | Z32          | 10H                |     |     |
| 19                 |                             |                             |                  | E                            | C2092 22 21 MEO                     | 012-9752                     | C2092 22 21 FEO                     | 012-9797 | 0568 | Z32          | 10H                |     |     |
| 20                 |                             |                             |                  | F                            | C2092 22 21 MFO                     | 012-9755                     | C2092 22 21 FFO                     | 012-9800 | 0568 | Z32          | 10H                |     |     |
| 21                 | 22                          | -                           | 55               | N                            | C2092 22 55 MNO                     | 013-0091                     | C2092 22 55 FNO                     | 013-0136 | 0568 | Z32          | 10H                |     |     |
| 22                 |                             |                             |                  | B                            | C2092 22 55 MBO                     | 013-0093                     | C2092 22 55 FBO                     | 013-0138 | 0568 | Z32          | 10H                |     |     |
| 23                 |                             |                             |                  | C                            | C2092 22 55 MCO                     | 013-0094                     | C2092 22 55 FCO                     | 013-0139 | 0568 | Z32          | 10H                |     |     |
| 24                 |                             |                             |                  | E                            | C2092 22 55 MEO                     | 013-0092                     | C2092 22 55 FEO                     | 013-0137 | 0568 | Z32          | 10H                |     |     |
| 25                 |                             |                             |                  | F                            | C2092 22 55 MFO                     | 013-0095                     | C2092 22 55 FFO                     | 013-0140 | 0568 | Z32          | 10H                |     |     |
| 26                 | 24                          | -                           | 61               | N                            | C2092 24 61 MNO                     | 013-0181                     | C2092 24 61 FNO                     | 013-0226 | 0568 | Z32          | 10H                |     |     |
| 27                 |                             |                             |                  | B                            | C2092 24 61 MBO                     | 013-0183                     | C2092 24 61 FBO                     | 013-0228 | 0568 | Z32          | 10H                |     |     |
| 28                 |                             |                             |                  | C                            | C2092 24 61 MCO                     | 013-0184                     | C2092 24 61 FCO                     | 013-0229 | 0568 | Z32          | 10H                |     |     |
| 29                 |                             |                             |                  | E                            | C2092 24 61 MEO                     | 013-0182                     | C2092 24 61 FEO                     | 013-0227 | 0568 | Z32          | 10H                |     |     |
| 30                 |                             |                             |                  | F                            | C2092 24 61 MFO                     | 013-0185                     | C2092 24 61 FFO                     | 013-0230 | 0568 | Z32          | 10H                |     |     |

Notes applicable to this Table are on page 64

TABLE I(B)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 F0017

STYLE: FREE (COARSE RIBBED COUPLING NUT) WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0017

STYLE NUMBER: C2094

| PAGE<br>ITEM<br>NO         | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     | SERVICE MANAGEMENT<br>CODES |      |              |
|----------------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-----------------------------|------|--------------|
|                            | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY                        | ARMY | AIR<br>FORCE |
|                            | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                             |      |              |
|                            | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)                         | (h)  | (j)          |
| 1.<br>2<br>3               | 08 - 33                     |                             | N                | C2094 08 33 MNO              | 017-1626                            | C2094 08 33 FNO              | 017-1629                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 08 33 MEO              | 017-1627                            | C2094 08 33 FEO              | 017-1630                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 08 33 MFO              | 017-1628                            | C2094 08 33 FFO              | 017-1631                            | 0568                        | Z32  | 10H          |
| 4<br>5<br>6<br>7<br>8      | 10 - 02                     |                             | N                | C2094 10 02 MNO              | 014-2604                            | C2094 10 02 FNO              | 014-2588                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 10 02 MBO              | 014-2620                            | C2094 10 02 FBO              | 014-2728                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 10 02 MCO              | 014-2621                            | C2094 10 02 FCO              | 014-2729                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 10 02 MEO              | 014-2622                            | C2094 10 02 FEO              | 014-2730                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 10 02 MFO              | 014-2623                            | C2094 10 02 FFO              | 014-2731                            | 0568                        | Z32  | 10H          |
| 9<br>10<br>11<br>12<br>13  | 10 - 06                     |                             | N                | C2094 10 06 MNO              | 014-2605                            | C2094 10 06 FNO              | 014-2589                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 10 06 MBO              | 014-2624                            | C2094 10 06 FBO              | 014-2700                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 10 06 MCO              | 014-2625                            | C2094 10 06 FCO              | 014-2701                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 10 06 MEO              | 014-2626                            | C2094 10 06 FEO              | 014-2702                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 10 06 MFO              | 014-2627                            | C2094 10 06 FFO              | 014-2703                            | 0568                        | Z32  | 10H          |
| 14<br>15<br>16<br>17<br>18 | 10 - 07                     |                             | N                | C2094 10 07 MNO              | 014-7198                            | C2094 10 07 FNO              | 014-7228                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 10 07 MBO              | 014-7199                            | C2094 10 07 FBO              | 014-7229                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 10 07 MCO              | 014-7200                            | C2094 10 07 FCO              | 014-7230                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 10 07 MEO              | 014-7201                            | C2094 10 07 FEO              | 014-7231                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 10 07 MFO              | 014-7202                            | C2094 10 07 FFO              | 014-7232                            | 0568                        | Z32  | 10H          |
| 19<br>20<br>21<br>22<br>23 | 12 - 03                     |                             | N                | C2094 12 03 MNO              | 014-2606                            | C2094 12 03 FNO              | 014-2590                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 12 03 MBO              | 014-2632                            | C2094 12 03 FBO              | 014-2696                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 12 03 MCO              | 014-2633                            | C2094 12 03 FCO              | 014-2697                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 12 03 MEO              | 014-2634                            | C2094 12 03 FEO              | 014-2698                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 12 03 MFO              | 014-2635                            | C2094 12 03 FFO              | 014-2699                            | 0568                        | Z32  | 10H          |
| 24<br>25<br>26<br>27<br>28 | 12 - 10                     |                             | N                | C2094 12 10 MNO              | 014-2607                            | C2094 12 10 FNO              | 014-2591                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 12 10 MBO              | 014-2628                            | C2094 12 10 FBO              | 014-2692                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 12 10 MCO              | 014-2629                            | C2094 12 10 FCO              | 014-2693                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 12 10 MEO              | 014-2630                            | C2094 12 10 FEO              | 014-2694                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 12 10 MFO              | 014-2631                            | C2094 12 10 FFO              | 014-2695                            | 0568                        | Z32  | 10H          |
| 29<br>30<br>31<br>32<br>33 | 14 - 02                     |                             | N                | C2094 14 02 MNO              | 014-7268                            | C2094 14 02 FNO              | 014-7310                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | B                | C2094 14 02 MBO              | 014-7269                            | C2094 14 02 FBO              | 014-7311                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | C                | C2094 14 02 MCO              | 014-7270                            | C2094 14 02 FCO              | 014-7312                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | E                | C2094 14 02 MEO              | 014-7271                            | C2094 14 02 FEO              | 014-7313                            | 0568                        | Z32  | 10H          |
|                            |                             |                             | F                | C2094 14 02 MFO              | 014-7272                            | C2094 14 02 FFO              | 014-7314                            | 0568                        | Z32  | 10H          |

Notes applicable to this Table are on page 64

TABLE I(B) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |          |      |              | SERVICE MANAGEMENT |     |     |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|------|--------------|--------------------|-----|-----|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES    |      |              |                    |     |     |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY     | ARMY | AIR<br>FORCE |                    |     |     |
|                    |                             |                             |                  |                              |                                     |                              |                                     |          |      |              | (a)                | (b) | (c) |
| 1                  | 14                          | -                           | 05               | N                            | C2094 14 05 MNO                     | 014-2608                     | C2094 14 05 FNO                     | 014-2592 | 0568 | Z32          | 10H                |     |     |
| 2                  |                             |                             |                  | B                            | C2094 14 05 MBO                     | 014-2636                     | C2094 14 05 FBO                     | 014-2688 | 0568 | Z32          | 10H                |     |     |
| 3                  |                             |                             |                  | C                            | C2094 14 05 MCO                     | 014-2637                     | C2094 14 05 FCO                     | 014-2689 | 0568 | Z32          | 10H                |     |     |
| 4                  |                             |                             |                  | E                            | C2094 14 05 MEO                     | 014-2638                     | C2094 14 05 FEO                     | 014-2690 | 0568 | Z32          | 10H                |     |     |
| 5                  |                             |                             |                  | F                            | C2094 14 05 MFO                     | 014-2639                     | C2094 14 05 FFO                     | 014-2691 | 0568 | Z32          | 10H                |     |     |
| 6                  | 14                          | -                           | 12               | N                            | C2094 14 12 MNO                     | 014-2609                     | C2094 14 12 FNO                     | 014-2593 | 0568 | Z32          | 10H                |     |     |
| 7                  |                             |                             |                  | B                            | C2094 14 12 MBO                     | 014-2686                     | C2094 14 12 FBO                     | 014-2680 | 0568 | Z32          | 10H                |     |     |
| 8                  |                             |                             |                  | C                            | C2094 14 12 MCO                     | 014-2685                     | C2094 14 12 FCO                     | 014-2681 | 0568 | Z32          | 10H                |     |     |
| 9                  |                             |                             |                  | E                            | C2094 14 12 MEO                     | 014-2684                     | C2094 14 12 FEO                     | 014-2682 | 0568 | Z32          | 10H                |     |     |
| 10                 |                             |                             |                  | F                            | C2094 14 12 MFO                     | 014-2687                     | C2094 14 12 FFO                     | 014-2683 | 0568 | Z32          | 10H                |     |     |
| 11                 | 14                          | -                           | 19               | N                            | C2094 14 19 MNO                     | 014-2610                     | C2094 14 19 FNO                     | 014-2594 | 0568 | Z32          | 10H                |     |     |
| 12                 |                             |                             |                  | B                            | C2094 14 19 MBO                     | 014-2640                     | C2094 14 19 FBO                     | 014-2724 | 0568 | Z32          | 10H                |     |     |
| 13                 |                             |                             |                  | C                            | C2094 14 19 MCO                     | 014-2641                     | C2094 14 19 FCO                     | 014-2725 | 0568 | Z32          | 10H                |     |     |
| 14                 |                             |                             |                  | E                            | C2094 14 19 MEO                     | 014-2642                     | C2094 14 19 FEO                     | 014-2726 | 0568 | Z32          | 10H                |     |     |
| 15                 |                             |                             |                  | F                            | C2094 14 19 MFO                     | 014-2643                     | C2094 14 19 FFO                     | 014-2727 | 0568 | Z32          | 10H                |     |     |
| 16                 | 14                          | -                           | 22               | N                            | C2094 14 22 MNO                     | 014-7347                     | C2094 14 22 FNO                     | 014-7383 | 0568 | Z32          | 10H                |     |     |
| 17                 |                             |                             |                  | B                            | C2094 14 22 MBO                     | 014-7348                     | C2094 14 22 FBO                     | 014-7384 | 0568 | Z32          | 10H                |     |     |
| 18                 |                             |                             |                  | C                            | C2094 14 22 MCO                     | 014-7349                     | C2094 14 22 FCO                     | 014-7385 | 0568 | Z32          | 10H                |     |     |
| 19                 |                             |                             |                  | E                            | C2094 14 22 MEO                     | 014-7350                     | C2094 14 22 FEO                     | 014-7386 | 0568 | Z32          | 10H                |     |     |
| 20                 |                             |                             |                  | F                            | C2094 14 22 MFO                     | 014-7351                     | C2094 14 22 FFO                     | 014-7387 | 0568 | Z32          | 10H                |     |     |
| 21                 | 16                          | -                           | 08               | N                            | C2094 16 08 MNO                     | 014-2611                     | C2094 16 08 FNO                     | 014-2595 | 0568 | Z32          | 10H                |     |     |
| 22                 |                             |                             |                  | B                            | C2094 16 08 MBO                     | 014-2644                     | C2094 16 08 FBO                     | 014-2720 | 0568 | Z32          | 10H                |     |     |
| 23                 |                             |                             |                  | C                            | C2094 16 08 MCO                     | 014-2645                     | C2094 16 08 FCO                     | 014-2721 | 0568 | Z32          | 10H                |     |     |
| 24                 |                             |                             |                  | E                            | C2094 16 08 MEO                     | 014-2646                     | C2094 16 08 FEO                     | 014-2722 | 0568 | Z32          | 10H                |     |     |
| 25                 |                             |                             |                  | F                            | C2094 16 08 MFO                     | 014-2647                     | C2094 16 08 FFO                     | 014-2723 | 0568 | Z32          | 10H                |     |     |
| 26                 | 16                          | -                           | 26               | N                            | C2094 16 26 MNO                     | 014-2612                     | C2094 16 26 FNO                     | 014-2596 | 0568 | Z32          | 10H                |     |     |
| 27                 |                             |                             |                  | B                            | C2094 16 26 MBO                     | 014-2648                     | C2094 16 26 FBO                     | 014-2716 | 0568 | Z32          | 10H                |     |     |
| 28                 |                             |                             |                  | C                            | C2094 16 26 MCO                     | 014-2649                     | C2094 16 26 FCO                     | 014-2717 | 0568 | Z32          | 10H                |     |     |
| 29                 |                             |                             |                  | E                            | C2094 16 26 MEO                     | 014-2650                     | C2094 16 26 FEO                     | 014-2718 | 0568 | Z32          | 10H                |     |     |
| 30                 |                             |                             |                  | F                            | C2094 16 26 MFO                     | 014-2651                     | C2094 16 26 FFO                     | 014-2719 | 0568 | Z32          | 10H                |     |     |
| 31                 | 18                          | -                           | 08               | N                            | C2094 18 08 MNO                     | 038-3746                     | C2094 18 08 FNO                     | 038-3751 | --   | --           | --                 |     |     |
| 32                 |                             |                             |                  | B                            | C2094 18 08 MBO                     | 038-3747                     | C2094 18 08 FBO                     | 038-3752 | --   | --           | --                 |     |     |
| 33                 |                             |                             |                  | C                            | C2094 18 08 MCO                     | 038-3748                     | C2094 18 08 FCO                     | 038-3753 | --   | --           | --                 |     |     |
| 34                 |                             |                             |                  | E                            | C2094 18 08 MEO                     | 038-3749                     | C2094 18 08 FEO                     | 038-3754 | --   | --           | --                 |     |     |
| 35                 |                             |                             |                  | F                            | C2094 18 08 MFO                     | 038-3750                     | C2094 18 08 FFO                     | 038-3755 | --   | --           | --                 |     |     |

Notes applicable to this Table are on page 64

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(B)(CONTD)

TABLE I(B) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     | SERVICE MANAGEMENT           |                                     |          |      |              |     |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|------|--------------|-----|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES    |      |              |     |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY     | ARMY | AIR<br>FORCE |     |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)      | (h)  | (j)          |     |
| 1                  | 18                          | -                           | 11               | N                            | C2094 18 11 MNO                     | 014-2613                     | C2094 18 11 FNO                     | 014-2597 | 0568 | Z32          | 10H |
| 2                  |                             |                             |                  | B                            | C2094 18 11 MBO                     | 014-2652                     | C2094 18 11 FBO                     | 014-2715 | 0568 | Z32          | 10H |
| 3                  |                             |                             |                  | C                            | C2094 18 11 MCO                     | 014-2653                     | C2094 18 11 FCO                     | 014-2712 | 0568 | Z32          | 10H |
| 4                  |                             |                             |                  | E                            | C2094 18 11 MEO                     | 014-2654                     | C2094 18 11 FEO                     | 014-2713 | 0568 | Z32          | 10H |
| 5                  |                             |                             |                  | F                            | C2094 18 11 MFO                     | 014-2655                     | C2094 18 11 FFO                     | 014-2714 | 0568 | Z32          | 10H |
| 6                  | 18                          | -                           | 32               | N                            | C2094 18 32 MNO                     | 014-2614                     | C2094 18 32 FNO                     | 014-2598 | 0568 | Z32          | 10H |
| 7                  |                             |                             |                  | B                            | C2094 18 32 MBO                     | 014-2656                     | C2094 18 32 FBO                     | 014-2708 | 0568 | Z32          | 10H |
| 8                  |                             |                             |                  | C                            | C2094 18 32 MCO                     | 014-2657                     | C2094 18 32 FCO                     | 014-2709 | 0568 | Z32          | 10H |
| 9                  |                             |                             |                  | E                            | C2094 18 32 MEO                     | 014-2658                     | C2094 18 32 FEO                     | 014-2710 | 0568 | Z32          | 10H |
| 10                 |                             |                             |                  | F                            | C2094 18 32 MFO                     | 014-2659                     | C2094 18 32 FFO                     | 014-2711 | 0568 | Z32          | 10H |
| 11                 | 20                          | -                           | 16               | N                            | C2094 20 16 MNO                     | 014-2615                     | C2094 20 16 FNO                     | 014-2599 | 0568 | Z32          | 10H |
| 12                 |                             |                             |                  | B                            | C2094 20 16 MBO                     | 014-2660                     | C2094 20 16 FBO                     | 014-2704 | 0568 | Z32          | 10H |
| 13                 |                             |                             |                  | C                            | C2094 20 16 MCO                     | 014-2661                     | C2094 20 16 FCO                     | 014-2705 | 0568 | Z32          | 10H |
| 14                 |                             |                             |                  | E                            | C2094 20 16 MEO                     | 014-2662                     | C2094 20 16 FEO                     | 014-2706 | 0568 | Z32          | 10H |
| 15                 |                             |                             |                  | F                            | C2094 20 16 MFO                     | 014-2663                     | C2094 20 16 FFO                     | 014-2707 | 0568 | Z32          | 10H |
| 16                 | 20                          | -                           | 41               | N                            | C2094 20 41 MNO                     | 014-2616                     | C2094 20 41 FNO                     | 014-2600 | 0568 | Z32          | 10H |
| 17                 |                             |                             |                  | B                            | C2094 20 41 MBO                     | 014-2664                     | C2094 20 41 FBO                     | 014-2732 | 0568 | Z32          | 10H |
| 18                 |                             |                             |                  | C                            | C2094 20 41 MCO                     | 014-2665                     | C2094 20 41 FCO                     | 014-2733 | 0568 | Z32          | 10H |
| 19                 |                             |                             |                  | E                            | C2094 20 41 MEO                     | 014-2666                     | C2094 20 41 FEO                     | 014-2734 | 0568 | Z32          | 10H |
| 20                 |                             |                             |                  | F                            | C2094 20 41 MFO                     | 014-2667                     | C2094 20 41 FFO                     | 014-2735 | 0568 | Z32          | 10H |
| 21                 | 22                          | -                           | 21               | N                            | C2094 22 21 MNO                     | 014-2617                     | C2094 22 21 FNO                     | 014-2601 | 0568 | Z32          | 10H |
| 22                 |                             |                             |                  | B                            | C2094 22 21 MBO                     | 014-2668                     | C2094 22 21 FBO                     | 014-2736 | 0568 | Z32          | 10H |
| 23                 |                             |                             |                  | C                            | C2094 22 21 MCO                     | 014-2669                     | C2094 22 21 FCO                     | 014-2739 | 0568 | Z32          | 10H |
| 24                 |                             |                             |                  | E                            | C2094 22 21 MEO                     | 014-2670                     | C2094 22 21 FEO                     | 014-2737 | 0568 | Z32          | 10H |
| 25                 |                             |                             |                  | F                            | C2094 22 21 MFO                     | 014-2671                     | C2094 22 21 FFO                     | 014-2738 | 0568 | Z32          | 10H |
| 26                 | 22                          | -                           | 55               | N                            | C2094 22 55 MNO                     | 014-2618                     | C2094 22 55 FNO                     | 014-2602 | 0568 | Z32          | 10H |
| 27                 |                             |                             |                  | B                            | C2094 22 55 MBO                     | 014-2672                     | C2094 22 55 FBO                     | 014-2740 | 0568 | Z32          | 10H |
| 28                 |                             |                             |                  | C                            | C2094 22 55 MCO                     | 014-2673                     | C2094 22 55 FCO                     | 014-2741 | 0568 | Z32          | 10H |
| 29                 |                             |                             |                  | E                            | C2094 22 55 MEO                     | 014-2674                     | C2094 22 55 FEO                     | 014-2742 | 0568 | Z32          | 10H |
| 30                 |                             |                             |                  | F                            | C2094 22 55 MFO                     | 014-2675                     | C2094 22 55 FFO                     | 014-2743 | 0568 | Z32          | 10H |
| 31                 | 24                          | -                           | 61               | N                            | C2094 24 61 MNO                     | 014-2619                     | C2094 24 61 FNO                     | 014-2603 | 0568 | Z32          | 10H |
| 32                 |                             |                             |                  | B                            | C2094 24 61 MBO                     | 014-2676                     | C2094 24 61 FBO                     | 014-2744 | 0568 | Z32          | 10H |
| 33                 |                             |                             |                  | C                            | C2094 24 61 MCO                     | 014-2677                     | C2094 24 61 FCO                     | 014-2745 | 0568 | Z32          | 10H |
| 34                 |                             |                             |                  | E                            | C2094 24 61 MEO                     | 014-2678                     | C2094 24 61 FEO                     | 014-2746 | 0568 | Z32          | 10H |
| 35                 |                             |                             |                  | F                            | C2094 24 61 MFO                     | 014-2679                     | C2094 24 61 FFO                     | 014-2747 | 0568 | Z32          | 10H |

Notes applicable to this Table are on page 64

TABLE I(C)

STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9522 F0017

STYLE: FIXED. SQUARE FLANGE, 4 HOLE FRONT OR REAR MOUNTING WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0017  
STYLE NUMBER: C2096

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |      |      |              | SERVICE MANAGEMENT<br>CODES |  |  |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------|------|--------------|-----------------------------|--|--|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY | ARMY | AIR<br>FORCE |                             |  |  |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |                             |  |  |
|                    |                              |                             |                  |                              |                                     |                              |                                     |      |      |              |                             |  |  |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)  | (h)  | (j)          |                             |  |  |
| 1                  | 08 - 33                      |                             | N                | C2096 08 33 MNO              | 012-8829                            | C2096 08 33 FNO              | 012-8849                            | 0568 | Z32  | 10H          |                             |  |  |
| 2                  |                              |                             | E                | C2096 08 33 MEO              | 012-8830                            | C2096 08 33 FEO              | 012-8850                            | 0568 | Z32  | 10H          |                             |  |  |
| 3                  |                              |                             | F                | C2096 08 33 MFO              | 012-8831                            | C2096 08 33 FFO              | 012-8851                            | 0568 | Z32  | 10H          |                             |  |  |
| 4                  | 10 - 02                      |                             | N                | C2096 10 02 MNO              | 012-8781                            | C2096 10 02 FNO              | 012-8806                            | 0568 | Z32  | 10H          |                             |  |  |
| 5                  |                              |                             | B                | C2096 10 02 MBO              | 012-8783                            | C2096 10 02 FBO              | 012-8808                            | 0568 | Z32  | 10H          |                             |  |  |
| 6                  |                              |                             | C                | C2096 10 02 MCO              | 012-8784                            | C2096 10 02 FCO              | 012-8809                            | 0568 | Z32  | 10H          |                             |  |  |
| 7                  |                              |                             | E                | C2096 10 02 MEO              | 012-8782                            | C2096 10 02 FEO              | 012-8807                            | 0568 | Z32  | 10H          |                             |  |  |
| 8                  | 10 - 06                      |                             | F                | C2096 10 02 MFO              | 012-8785                            | C2096 10 02 FFO              | 012-8710                            | 0568 | Z32  | 10H          |                             |  |  |
| 9                  |                              |                             | N                | C2096 10 06 MNO              | 012-9157                            | C2096 10 06 FNO              | 012-9187                            | 0568 | Z32  | 10H          |                             |  |  |
| 10                 |                              |                             | B                | C2096 10 06 MBO              | 012-9159                            | C2096 10 06 FBO              | 012-9189                            | 0568 | Z32  | 10H          |                             |  |  |
| 11                 |                              |                             | C                | C2096 10 06 MCO              | 012-9160                            | C2096 10 06 FCO              | 012-9190                            | 0568 | Z32  | 10H          |                             |  |  |
| 12                 |                              |                             | E                | C2096 10 06 MEO              | 012-9158                            | C2096 10 06 FEO              | 012-9188                            | 0568 | Z32  | 10H          |                             |  |  |
| 13                 | 10 - 07                      |                             | F                | C2096 10 06 MFO              | 012-9161                            | C2096 10 06 FFO              | 012-9191                            | 0568 | Z32  | 10H          |                             |  |  |
| 14                 |                              |                             | N                | C2096 10 07 MNO              | 014-7183                            | C2096 10 07 FNO              | 014-7213                            | 0568 | Z32  | 10H          |                             |  |  |
| 15                 |                              |                             | B                | C2096 10 07 MBO              | 014-7184                            | C2096 10 07 FBO              | 014-7214                            | 0568 | Z32  | 10H          |                             |  |  |
| 16                 |                              |                             | C                | C2096 10 07 MCO              | 014-7185                            | C2096 10 07 FCO              | 014-7215                            | 0568 | Z32  | 10H          |                             |  |  |
| 17                 |                              |                             | E                | C2096 10 07 MEO              | 014-7186                            | C2096 10 07 FEO              | 014-7216                            | 0568 | Z32  | 10H          |                             |  |  |
| 18                 | 12 - 03                      |                             | F                | C2096 10 07 MFO              | 014-7187                            | C2096 10 07 FFO              | 014-7217                            | 0568 | Z32  | 10H          |                             |  |  |
| 19                 |                              |                             | N                | C2096 12 03 MNO              | 012-8873                            | C2096 12 03 FNO              | 012-8903                            | 0568 | Z32  | 10H          |                             |  |  |
| 20                 |                              |                             | B                | C2096 12 03 MBO              | 012-8875                            | C2096 12 03 FBO              | 012-8905                            | 0568 | Z32  | 10H          |                             |  |  |
| 21                 |                              |                             | C                | C2096 12 03 MCO              | 012-8876                            | C2096 12 03 FCO              | 012-8906                            | 0568 | Z32  | 10H          |                             |  |  |
| 22                 |                              |                             | E                | C2096 12 03 MEO              | 012-8874                            | C2096 12 03 FEO              | 012-8904                            | 0568 | Z32  | 10H          |                             |  |  |
| 23                 | 12 - 10                      |                             | F                | C2096 12 03 MFO              | 012-8877                            | C2096 12 03 FFO              | 012-8907                            | 0568 | Z32  | 10H          |                             |  |  |
| 24                 |                              |                             | N                | C2096 12 10 MNO              | 012-9313                            | C2096 12 10 FNO              | 012-9358                            | 0568 | Z32  | 10H          |                             |  |  |
| 25                 |                              |                             | B                | C2096 12 10 MBO              | 012-9315                            | C2096 12 10 FBO              | 012-9360                            | 0568 | Z32  | 10H          |                             |  |  |
| 26                 |                              |                             | C                | C2096 12 10 MCO              | 012-9316                            | C2096 12 10 FCO              | 012-9361                            | 0568 | Z32  | 10H          |                             |  |  |
| 27                 |                              |                             | E                | C2096 12 10 MEO              | 012-9314                            | C2096 12 10 FEO              | 012-9359                            | 0568 | Z32  | 10H          |                             |  |  |
| 28                 | 12 - 10                      |                             | F                | C2096 12 10 MFO              | 012-9317                            | C2096 12 10 FFO              | 012-9362                            | 0568 | Z32  | 10H          |                             |  |  |

Notes applicable to this Table are on page 64

TABLE I(C) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              | SERVICE MANAGEMENT                  |       |      |              |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)  | (j)          |
| 1                  | 14                           | - 02                        | N                | C2096 14 02 MNO              | 014-7247                            | C2096 14 02 FNO              | 014-7289                            | 0568  | Z32  | 10H          |
| 2                  |                              |                             | B                | C2096 14 02 MBO              | 014-7248                            | C2096 14 02 FBO              | 014-7290                            | 0568  | Z32  | 10H          |
| 3                  |                              |                             | C                | C2096 14 02 MCO              | 014-7249                            | C2096 14 02 FCO              | 014-7291                            | 0568  | Z32  | 10H          |
| 4                  |                              |                             | E                | C2096 14 02 MEO              | 014-7250                            | C2096 14 02 FEO              | 014-7292                            | 0568  | Z32  | 10H          |
| 5                  |                              |                             | F                | C2096 14 02 MFO              | 014-7251                            | C2096 14 02 FFO              | 014-7293                            | 0568  | Z32  | 10H          |
| 6                  | 14                           | - 05                        | N                | C2096 14 05 MNO              | 012-8939                            | C2096 14 05 FNO              | 012-8984                            | 0568  | Z32  | 10H          |
| 7                  |                              |                             | B                | C2096 14 05 MBO              | 012-8941                            | C2096 14 05 FBO              | 012-8986                            | 0568  | Z32  | 10H          |
| 8                  |                              |                             | C                | C2096 14 05 MCO              | 012-8942                            | C2096 14 05 FCO              | 012-8987                            | 0568  | Z32  | 10H          |
| 9                  |                              |                             | E                | C2096 14 05 MEO              | 012-8940                            | C2096 14 05 FEO              | 012-8985                            | 0568  | Z32  | 10H          |
| 10                 |                              |                             | F                | C2096 14 05 MFO              | 012-8943                            | C2096 14 05 FFO              | 012-8988                            | 0568  | Z32  | 10H          |
| 11                 | 14                           | - 12                        | N                | C2096 14 12 MNO              | 012-9489                            | C2096 14 12 FNO              | 012-9524                            | 0568  | Z32  | 10H          |
| 12                 |                              |                             | B                | C2096 14 12 MBO              | 012-9491                            | C2096 14 12 FBO              | 012-9526                            | 0568  | Z32  | 10H          |
| 13                 |                              |                             | C                | C2096 14 12 MCO              | 012-9492                            | C2096 14 12 FCO              | 012-9527                            | 0568  | Z32  | 10H          |
| 14                 |                              |                             | E                | C2096 14 12 MEO              | 012-9490                            | C2096 14 12 FEO              | 012-9525                            | 0568  | Z32  | 10H          |
| 15                 |                              |                             | F                | C2096 14 12 MFO              | 012-9493                            | C2096 14 12 FFO              | 012-9528                            | 0568  | Z32  | 10H          |
| 16                 | 14                           | - 19                        | N                | C2096 14 19 MNO              | 012-9651                            | C2096 14 19 FNO              | 012-9691                            | 0568  | Z32  | 10H          |
| 17                 |                              |                             | B                | C2096 14 19 MBO              | 012-9653                            | C2096 14 19 FBO              | 012-9693                            | 0568  | Z32  | 10H          |
| 18                 |                              |                             | C                | C2096 14 19 MCO              | 012-9654                            | C2096 14 19 FCO              | 012-9694                            | 0568  | Z32  | 10H          |
| 19                 |                              |                             | E                | C2096 14 19 MEO              | 012-9652                            | C2096 14 19 FEO              | 012-9692                            | 0568  | Z32  | 10H          |
| 20                 |                              |                             | F                | C2096 14 19 MFO              | 012-9655                            | C2096 14 19 FFO              | 012-9695                            | 0568  | Z32  | 10H          |
| 21                 | 14                           | - 22                        | N                | C2096 14 22 MNO              | 014-7329                            | C2096 14 22 FNO              | 014-7365                            | 0568  | Z32  | 10H          |
| 22                 |                              |                             | B                | C2096 14 22 MBO              | 014-7330                            | C2096 14 22 FBO              | 014-7366                            | 0568  | Z32  | 10H          |
| 23                 |                              |                             | C                | C2096 14 22 MCO              | 014-7331                            | C2096 14 22 FCO              | 014-7367                            | 0568  | Z32  | 10H          |
| 24                 |                              |                             | E                | C2096 14 22 MEO              | 014-7332                            | C2096 14 22 FEO              | 014-7368                            | 0568  | Z32  | 10H          |
| 25                 |                              |                             | F                | C2096 14 22 MFO              | 014-7333                            | C2096 14 22 FFO              | 014-7369                            | 0568  | Z32  | 10H          |
| 26                 | 16                           | - 08                        | N                | C2096 16 08 MNO              | 012-9223                            | C2096 16 08 FNO              | 012-9268                            | 0568  | Z32  | 10H          |
| 27                 |                              |                             | B                | C2096 16 08 MBO              | 012-9225                            | C2096 16 08 FBO              | 012-9270                            | 0568  | Z32  | 10H          |
| 28                 |                              |                             | C                | C2096 16 08 MCO              | 012-9226                            | C2096 16 08 FCO              | 012-9271                            | 0568  | Z32  | 10H          |
| 29                 |                              |                             | E                | C2096 16 08 MEO              | 012-9224                            | C2096 16 08 FEO              | 012-9269                            | 0568  | Z32  | 10H          |
| 30                 |                              |                             | F                | C2096 16 08 MFO              | 012-9227                            | C2096 16 08 FFO              | 012-9272                            | 0568  | Z32  | 10H          |
| 31                 | 16                           | - 26                        | N                | C2096 16 26 MNO              | 012-9821                            | C2096 16 26 FNO              | 012-9861                            | 0568  | Z32  | 10H          |
| 32                 |                              |                             | B                | C2096 16 26 MBO              | 012-9823                            | C2096 16 26 FBO              | 012-9863                            | 0568  | Z32  | 10H          |
| 33                 |                              |                             | C                | C2096 16 26 MCO              | 012-9824                            | C2096 16 26 FCO              | 012-9864                            | 0568  | Z32  | 10H          |
| 34                 |                              |                             | E                | C2096 16 26 MEO              | 012-9822                            | C2096 16 26 FEO              | 012-9862                            | 0568  | Z32  | 10H          |
| 35                 |                              |                             | F                | C2096 16 26 MFO              | 012-9825                            | C2096 16 26 FFO              | 012-9865                            | 0568  | Z32  | 10H          |
| 36                 | 18                           | - 08                        | N                | C2096 18 08 MNO              | 038-3756                            | C2096 18 08 FNO              | 038-3761                            | --    | --   | --           |
| 37                 |                              |                             | B                | C2096 18 08 MBO              | 038-3757                            | C2096 18 08 FBO              | 038-3762                            | --    | --   | --           |
| 38                 |                              |                             | C                | C2096 18 08 MCO              | 038-3758                            | C2096 18 08 FCO              | 038-3763                            | --    | --   | --           |
| 39                 |                              |                             | E                | C2096 18 08 MEO              | 038-3759                            | C2096 18 08 FEO              | 038-3764                            | --    | --   | --           |
| 40                 |                              |                             | F                | C2096 18 08 MFO              | 038-3760                            | C2096 18 08 FFO              | 038-3765                            | --    | --   | --           |

TABLE I(C) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |          |      |              | SERVICE MANAGEMENT |     |     |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|------|--------------|--------------------|-----|-----|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES    |      |              |                    |     |     |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY     | ARMY | AIR<br>FORCE |                    |     |     |
|                    |                              |                             |                  |                              |                                     |                              |                                     |          |      |              | (a)                | (b) | (c) |
| 1                  | 18                           | -                           | 11               | N                            | C2096 18 11 MNO                     | 012-9403                     | C2096 18 11 FNO                     | 012-9448 | 0568 | Z32          | 10H                |     |     |
| 2                  |                              |                             |                  | B                            | C2096 18 11 MBO                     | 012-9405                     | C2096 18 11 FBO                     | 012-9450 | 0568 | Z32          | 10H                |     |     |
| 3                  |                              |                             |                  | C                            | C2096 18 11 MCO                     | 012-9406                     | C2096 18 11 FCO                     | 012-9451 | 0568 | Z32          | 10H                |     |     |
| 4                  |                              |                             |                  | E                            | C2096 18 11 MEO                     | 012-9404                     | C2096 18 11 FEO                     | 012-9449 | 0568 | Z32          | 10H                |     |     |
| 5                  |                              |                             |                  | F                            | C2096 18 11 MFO                     | 012-9407                     | C2096 18 11 FFO                     | 012-9452 | 0568 | Z32          | 10H                |     |     |
| 6                  | 18                           | -                           | 22               | N                            | C2096 18 32 MNO                     | 012-9903                     | C2096 18 32 FNO                     | 012-9948 | 0568 | Z32          | 10H                |     |     |
| 7                  |                              |                             |                  | B                            | C2096 18 32 MBO                     | 012-9905                     | C2096 18 32 FBO                     | 012-9950 | 0568 | Z32          | 10H                |     |     |
| 8                  |                              |                             |                  | C                            | C2096 18 32 MCO                     | 012-9906                     | C2096 18 32 FCO                     | 012-9951 | 0568 | Z32          | 10H                |     |     |
| 9                  |                              |                             |                  | E                            | C2096 18 32 MEO                     | 012-9904                     | C2096 18 32 FEO                     | 012-9949 | 0568 | Z32          | 10H                |     |     |
| 10                 |                              |                             |                  | F                            | C2096 18 32 MFO                     | 012-9907                     | C2096 18 32 FFO                     | 012-9952 | 0568 | Z32          | 10H                |     |     |
| 11                 | 20                           | -                           | 16               | N                            | C2096 20 16 MNO                     | 012-9563                     | C2096 20 16 FNO                     | 012-9608 | 0568 | Z32          | 10H                |     |     |
| 12                 |                              |                             |                  | B                            | C2096 20 16 MBO                     | 012-9565                     | C2096 20 16 FBO                     | 012-9610 | 0568 | Z32          | 10H                |     |     |
| 13                 |                              |                             |                  | C                            | C2096 20 16 MCO                     | 012-9566                     | C2096 20 16 FCO                     | 012-9611 | 0568 | Z32          | 10H                |     |     |
| 14                 |                              |                             |                  | E                            | C2096 20 16 MEO                     | 012-9564                     | C2096 20 16 FEO                     | 012-9609 | 0568 | Z32          | 10H                |     |     |
| 15                 |                              |                             |                  | F                            | C2096 20 16 MFO                     | 012-9567                     | C2096 20 16 FFO                     | 012-9612 | 0568 | Z32          | 10H                |     |     |
| 16                 | 20                           | -                           | 41               | N                            | C2096 20 41 MNO                     | 012-9991                     | C2096 20 41 FNO                     | 013-0031 | 0568 | Z32          | 10H                |     |     |
| 17                 |                              |                             |                  | B                            | C2096 20 41 MBO                     | 012-9993                     | C2096 20 41 FBO                     | 013-0033 | 0568 | Z32          | 10H                |     |     |
| 18                 |                              |                             |                  | C                            | C2096 20 41 MCO                     | 012-9994                     | C2096 20 41 FCO                     | 013-0034 | 0568 | Z32          | 10H                |     |     |
| 19                 |                              |                             |                  | E                            | C2096 20 41 MEO                     | 012-9992                     | C2096 20 41 FEO                     | 013-0032 | 0568 | Z32          | 10H                |     |     |
| 20                 |                              |                             |                  | F                            | C2096 20 41 MFO                     | 012-9995                     | C2096 20 41 FFO                     | 013-0035 | 0568 | Z32          | 10H                |     |     |
| 21                 | 22                           | -                           | 21               | N                            | C2096 22 21 MNO                     | 012-9733                     | C2096 22 21 FNO                     | 012-9778 | 0568 | Z32          | 10H                |     |     |
| 22                 |                              |                             |                  | B                            | C2096 22 21 MBO                     | 012-9735                     | C2096 22 21 FBO                     | 012-9780 | 0568 | Z32          | 10H                |     |     |
| 23                 |                              |                             |                  | C                            | C2096 22 21 MCO                     | 012-9736                     | C2096 22 21 FCO                     | 012-9781 | 0568 | Z32          | 10H                |     |     |
| 24                 |                              |                             |                  | E                            | C2096 22 21 MEO                     | 012-9734                     | C2096 22 21 FEO                     | 012-9779 | 0568 | Z32          | 10H                |     |     |
| 25                 |                              |                             |                  | F                            | C2096 22 21 MFO                     | 012-9737                     | C2096 22 21 FFO                     | 012-9782 | 0568 | Z32          | 10H                |     |     |
| 26                 | 22                           | -                           | 55               | N                            | C2096 22 55 MNO                     | 013-0073                     | C2096 22 55 FNO                     | 013-0118 | 0568 | Z32          | 10H                |     |     |
| 27                 |                              |                             |                  | B                            | C2096 22 55 MBO                     | 013-0075                     | C2096 22 55 FBO                     | 013-0120 | 0568 | Z32          | 10H                |     |     |
| 28                 |                              |                             |                  | C                            | C2096 22 55 MCO                     | 013-0076                     | C2096 22 55 FCO                     | 013-0121 | 0568 | Z32          | 10H                |     |     |
| 29                 |                              |                             |                  | E                            | C2096 22 55 MEO                     | 013-0074                     | C2096 22 55 FEO                     | 013-0119 | 0568 | Z32          | 10H                |     |     |
| 30                 |                              |                             |                  | F                            | C2096 22 55 MFO                     | 013-0077                     | C2096 22 55 FFO                     | 013-0122 | 0568 | Z32          | 10H                |     |     |
| 31                 | 24                           | -                           | 61               | N                            | C2096 24 61 MNO                     | 013-0163                     | C2096 24 61 FNO                     | 013-0208 | 0568 | Z32          | 10H                |     |     |
| 32                 |                              |                             |                  | B                            | C2096 24 61 MBO                     | 013-0165                     | C2096 24 61 FBO                     | 013-0210 | 0568 | Z32          | 10H                |     |     |
| 33                 |                              |                             |                  | C                            | C2096 24 61 MCO                     | 013-0166                     | C2096 24 61 FCO                     | 013-0211 | 0568 | Z32          | 10H                |     |     |
| 34                 |                              |                             |                  | E                            | C2096 24 61 MEO                     | 013-0164                     | C2096 24 61 FEO                     | 013-0209 | 0568 | Z32          | 10H                |     |     |
| 35                 |                              |                             |                  | F                            | C2096 24 61 MFO                     | 013-0167                     | C2096 24 61 FFO                     | 013-0212 | 0568 | Z32          | 10H                |     |     |

Notes applicable to this Table are on page 64

TABLE I(D)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 F0017

STYLE: FIXED. SINGLE HOLE MOUNTING WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 F0017

STYLE NUMBER: C2098

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |       | SERVICE MANAGEMENT |              |     |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|--------------------|--------------|-----|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |                    |              |     |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY               | AIR<br>FORCE |     |
|                    |                              |                             |                  |                              |                                     |                              |                                     |       |                    |              | (a) |
| 1                  | 08                           | - 33                        | N                | C2098 08 33 MNO              | 012-8825                            | C2098 08 33 FNO              | 012-8845                            | 0568  | Z32                | 10H          |     |
| 2                  |                              |                             | E                | C2098 08 33 MEO              | 012-8826                            | C2098 08 33 FEO              | 012-8846                            | 0568  | Z32                | 10H          |     |
| 3                  |                              |                             | F                | C2098 08 33 MFO              | 012-8827                            | C2098 08 33 FFO              | 012-8847                            | 0568  | Z32                | 10H          |     |
| 4                  | 10                           | - 02                        | N                | C2098 10 02 MNO              | 012-8776                            | C2098 10 02 FNO              | 012-8801                            | 0568  | Z32                | 10H          |     |
| 5                  |                              |                             | B                | C2098 10 02 MBO              | 012-8778                            | C2098 10 02 FBO              | 012-8803                            | 0568  | Z32                | 10H          |     |
| 6                  |                              |                             | C                | C2098 10 02 MCO              | 012-8779                            | C2098 10 02 FCO              | 012-8804                            | 0568  | Z32                | 10H          |     |
| 7                  |                              |                             | E                | C2098 10 02 MEO              | 012-8777                            | C2098 10 02 FEO              | 012-8802                            | 0568  | Z32                | 10H          |     |
| 8                  |                              |                             | F                | C2098 10 02 MFO              | 012-8780                            | C2098 10 02 FFO              | 012-8805                            | 0568  | Z32                | 10H          |     |
| 9                  | 10                           | - 06                        | N                | C2098 10 06 MNO              | 012-9151                            | C2098 10 06 FNO              | 012-9181                            | 0568  | Z32                | 10H          |     |
| 10                 |                              |                             | B                | C2098 10 06 MBO              | 012-9153                            | C2098 10 06 FBO              | 012-9183                            | 0568  | Z32                | 10H          |     |
| 11                 |                              |                             | C                | C2098 10 06 MCO              | 012-9154                            | C2098 10 06 FCO              | 012-9184                            | 0568  | Z32                | 10H          |     |
| 12                 |                              |                             | E                | C2098 10 06 MEO              | 012-9152                            | C2098 10 06 FEO              | 012-9182                            | 0568  | Z32                | 10H          |     |
| 13                 |                              |                             | F                | C2098 10 06 MFO              | 012-9155                            | C2098 10 06 FFO              | 012-9185                            | 0568  | Z32                | 10H          |     |
| 14                 | 10                           | - 07                        | N                | C2098 10 07 MNO              | 014-7178                            | C2098 10 07 FNO              | 014-7208                            | 0568  | Z32                | 10H          |     |
| 15                 |                              |                             | B                | C2098 10 07 MBO              | 014-7179                            | C2098 10 07 FBO              | 014-7209                            | 0568  | Z32                | 10H          |     |
| 16                 |                              |                             | C                | C2098 10 07 MCO              | 014-7180                            | C2098 10 07 FCO              | 014-7210                            | 0568  | Z32                | 10H          |     |
| 17                 |                              |                             | E                | C2098 10 07 MEO              | 014-7181                            | C2098 10 07 FEO              | 014-7211                            | 0568  | Z32                | 10H          |     |
| 18                 |                              |                             | F                | C2098 10 07 MFO              | 014-7182                            | C2098 10 07 FFO              | 014-7212                            | 0568  | Z32                | 10H          |     |
| 19                 | 12                           | - 03                        | N                | C2098 12 03 MNO              | 012-8867                            | C2098 12 03 FNO              | 012-8897                            | 0568  | Z32                | 10H          |     |
| 20                 |                              |                             | B                | C2098 12 03 MBO              | 012-8869                            | C2098 12 03 FBO              | 012-8899                            | 0568  | Z32                | 10H          |     |
| 21                 |                              |                             | C                | C2098 12 03 MCO              | 012-8870                            | C2098 12 03 FCO              | 012-8900                            | 0568  | Z32                | 10H          |     |
| 22                 |                              |                             | E                | C2098 12 03 MEO              | 012-8868                            | C2098 12 03 FEO              | 012-8898                            | 0568  | Z32                | 10H          |     |
| 23                 |                              |                             | F                | C2098 12 03 MFO              | 012-8871                            | C2098 12 03 FFO              | 012-8901                            | 0568  | Z32                | 10H          |     |
| 24                 | 12                           | - 10                        | N                | C2098 12 10 MNO              | 012-9304                            | C2098 12 10 FNO              | 012-9349                            | 0568  | Z32                | 10H          |     |
| 25                 |                              |                             | B                | C2098 12 10 MBO              | 012-9306                            | C2098 12 10 FEO              | 012-9351                            | 0568  | Z32                | 10H          |     |
| 26                 |                              |                             | C                | C2098 12 10 MCO              | 012-9307                            | C2098 12 10 FCO              | 012-9352                            | 0568  | Z32                | 10H          |     |
| 27                 |                              |                             | E                | C2098 12 10 MEO              | 012-9305                            | C2098 12 10 FEO              | 012-9350                            | 0568  | Z32                | 10H          |     |
| 28                 |                              |                             | F                | C2098 12 10 MFO              | 012-9308                            | C2098 12 10 FFO              | 012-9353                            | 0568  | Z32                | 10H          |     |

Notes applicable to this Table are on page 64

TABLE I(D) - CONTINUED

| CONNECTOR, FIXED, ELECTRICAL |            |                     |             |                        |                               |                        |                               |       |      | SERVICE MANAGEMENT |  |  |
|------------------------------|------------|---------------------|-------------|------------------------|-------------------------------|------------------------|-------------------------------|-------|------|--------------------|--|--|
| PAGE                         | RANGE      |                     |             | MALE CONTACT           |                               | FEMALE CONTACT         |                               | CODES |      |                    |  |  |
| ITEM NO                      | SHELL SIZE | CONTACT ARRANGEMENT | ORIENTATION | STYLE REFERENCE NUMBER | NATO STOCK NUMBER<br>5935-99- | STYLE REFERENCE NUMBER | NATO STOCK NUMBER<br>5935-99- | NAVY  | ARMY | AIR FORCE          |  |  |
|                              | (a)        |                     | (b)         | (c)                    | (d)                           | (e)                    | (f)                           | (g)   | (h)  | (i)                |  |  |
| 1                            | 14         | - 02                | N           | C2098 14 02 MNO        | 014-7240                      | C2098 14 02 FNO        | 014-7282                      | 0568  | Z32  | 10H                |  |  |
| 2                            |            |                     | B           | C2098 14 02 MBO        | 014-7241                      | C2098 14 02 FBO        | 014-7283                      | 0568  | Z32  | 10H                |  |  |
| 3                            |            |                     | C           | C2098 14 02 MCO        | 014-7242                      | C2098 14 02 FCO        | 014-7284                      | 0568  | Z32  | 10H                |  |  |
| 4                            |            |                     | E           | C2098 14 02 MEO        | 014-7243                      | C2098 14 02 FEO        | 014-7285                      | 0568  | Z32  | 10H                |  |  |
| 5                            |            |                     | F           | C2098 14 02 MFO        | 014-7244                      | C2098 14 02 FFO        | 014-7286                      | 0568  | Z32  | 10H                |  |  |
| 6                            | 14         | - 05                | N           | C2098 14 05 MNO        | 012-8930                      | C2098 14 05 FNO        | 012-8975                      | 0568  | Z32  | 10H                |  |  |
| 7                            |            |                     | B           | C2098 14 05 MBO        | 012-8932                      | C2098 14 05 FBO        | 012-8977                      | 0568  | Z32  | 10H                |  |  |
| 8                            |            |                     | C           | C2098 14 05 MCO        | 012-8933                      | C2098 14 05 FCO        | 012-8978                      | 0568  | Z32  | 10H                |  |  |
| 9                            |            |                     | E           | C2098 14 05 MEO        | 012-8931                      | C2098 14 05 FEO        | 012-8976                      | 0568  | Z32  | 10H                |  |  |
| 10                           |            |                     | F           | C2098 14 05 MFO        | 012-8934                      | C2098 14 05 FFO        | 012-8979                      | 0568  | Z32  | 10H                |  |  |
| 11                           | 14         | - 12                | N           | C2098 14 12 MNO        | 012-9482                      | C2098 14 12 FNO        | 012-9517                      | 0568  | Z32  | 10H                |  |  |
| 12                           |            |                     | B           | C2098 14 12 MBO        | 012-9484                      | C2098 14 12 FBO        | 012-9519                      | 0568  | Z32  | 10H                |  |  |
| 13                           |            |                     | C           | C2098 14 12 MCO        | 012-9485                      | C2098 14 12 FCO        | 012-9520                      | 0568  | Z32  | 10H                |  |  |
| 14                           |            |                     | E           | C2098 14 12 MEO        | 012-9483                      | C2098 14 12 FEO        | 012-9518                      | 0568  | Z32  | 10H                |  |  |
| 15                           |            |                     | F           | C2098 14 12 MFO        | 012-9486                      | C2098 14 12 FFO        | 012-9521                      | 0568  | Z32  | 10H                |  |  |
| 16                           | 14         | - 19                | N           | C2098 14 19 MNO        | 012-9643                      | C2098 14 19 FNO        | 012-9683                      | 0568  | Z32  | 10H                |  |  |
| 17                           |            |                     | B           | C2098 14 19 MBO        | 012-9645                      | C2098 14 19 FBO        | 012-9685                      | 0568  | Z32  | 10H                |  |  |
| 18                           |            |                     | C           | C2098 14 19 MCO        | 012-9646                      | C2098 14 19 FCO        | 012-9686                      | 0568  | Z32  | 10H                |  |  |
| 19                           |            |                     | E           | C2098 14 19 MEO        | 012-9644                      | C2098 14 19 FEO        | 012-9684                      | 0568  | Z32  | 10H                |  |  |
| 20                           |            |                     | F           | C2098 14 19 MFO        | 012-9647                      | C2098 14 19 FFO        | 012-9687                      | 0568  | Z32  | 10H                |  |  |
| 21                           | 14         | - 22                | N           | C2098 14 22 MNO        | 014-7323                      | C2098 14 22 FNO        | 014-7359                      | 0568  | Z32  | 10H                |  |  |
| 22                           |            |                     | B           | C2098 14 22 MBO        | 014-7324                      | C2098 14 22 FBO        | 014-7360                      | 0568  | Z32  | 10H                |  |  |
| 23                           |            |                     | C           | C2098 14 22 MCO        | 014-7325                      | C2098 14 22 FCO        | 014-7361                      | 0568  | Z32  | 10H                |  |  |
| 24                           |            |                     | E           | C2098 14 22 MEO        | 014-7326                      | C2098 14 22 FEO        | 014-7362                      | 0568  | Z32  | 10H                |  |  |
| 25                           |            |                     | F           | C2098 14 22 MFO        | 014-7327                      | C2098 14 22 FFO        | 014-7363                      | 0568  | Z32  | 10H                |  |  |
| 26                           | 16         | - 08                | N           | C2098 16 08 MNO        | 012-9214                      | C2098 16 08 FNO        | 012-9259                      | 0568  | Z32  | 10H                |  |  |
| 27                           |            |                     | B           | C2098 16 08 MBO        | 012-9216                      | C2098 16 08 FBO        | 012-9261                      | 0568  | Z32  | 10H                |  |  |
| 28                           |            |                     | C           | C2098 16 08 MCO        | 012-9217                      | C2098 16 08 FCO        | 012-9262                      | 0568  | Z32  | 10H                |  |  |
| 29                           |            |                     | E           | C2098 16 08 MEO        | 012-9215                      | C2098 16 08 FEO        | 012-9260                      | 0568  | Z32  | 10H                |  |  |
| 30                           |            |                     | F           | C2098 16 08 MFO        | 012-9218                      | C2098 16 08 FFO        | 012-9263                      | 0568  | Z32  | 10H                |  |  |
| 31                           | 16         | - 26                | N           | C2098 16 26 MNO        | 012-9813                      | C2098 16 26 FNO        | 012-9853                      | 0568  | Z32  | 10H                |  |  |
| 32                           |            |                     | B           | C2098 16 26 MBO        | 012-9815                      | C2098 16 26 FBO        | 012-9855                      | 0568  | Z32  | 10H                |  |  |
| 33                           |            |                     | C           | C2098 16 26 MCO        | 012-9816                      | C2098 16 26 FCO        | 012-9856                      | 0568  | Z32  | 10H                |  |  |
| 34                           |            |                     | E           | C2098 16 26 MEO        | 012-9814                      | C2098 16 26 FEO        | 012-9854                      | 0568  | Z32  | 10H                |  |  |
| 35                           |            |                     | F           | C2098 16 26 MFO        | 012-9817                      | C2098 16 26 FFO        | 012-9857                      | 0568  | Z32  | 10H                |  |  |

Notes applicable to this Table are on page 64

TABLE I(D) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |       |      |              | SERVICE MANAGEMENT |  |  |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|--------------------|--|--|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |                    |  |  |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |                    |  |  |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)  | (j)          |                    |  |  |
| 1                  | 18 - 08                      |                             | N                | C2098 18 08 MNO              | 038-3766                            | C2098 18 08 FNO              | 038-3771                            | --    | --   | --           |                    |  |  |
| 2                  |                              |                             | B                | C2098 18 08 MBO              | 038-3767                            | C2098 18 08 FBO              | 038-3772                            | --    | --   | --           |                    |  |  |
| 3                  |                              |                             | C                | C2098 18 08 MCO              | 038-3768                            | C2098 18 08 FCO              | 038-3773                            | --    | --   | --           |                    |  |  |
| 4                  |                              |                             | E                | C2098 18 08 MEO              | 038-3769                            | C2098 18 08 FEO              | 038-3774                            | --    | --   | --           |                    |  |  |
| 5                  |                              |                             | F                | C2098 18 08 MFO              | 038-3770                            | C2098 18 08 FFO              | 038-3775                            | --    | --   | --           |                    |  |  |
| 6                  | 18 - 11                      |                             | N                | C2098 18 11 MNO              | 012-9394                            | C2098 18 11 FNO              | 012-9439                            | 0568  | Z32  | 10H          |                    |  |  |
| 7                  |                              |                             | B                | C2098 18 11 MBO              | 012-9396                            | C2098 18 11 FBO              | 012-9441                            | 0568  | Z32  | 10H          |                    |  |  |
| 8                  |                              |                             | C                | C2098 18 11 MCO              | 012-9397                            | C2098 18 11 FCO              | 012-9442                            | 0568  | Z32  | 10H          |                    |  |  |
| 9                  |                              |                             | E                | C2098 18 11 MEO              | 012-9395                            | C2098 18 11 FEO              | 012-9440                            | 0568  | Z32  | 10H          |                    |  |  |
| 10                 |                              |                             | F                | C2098 18 11 MFO              | 012-9398                            | C2098 18 11 FFO              | 012-9443                            | 0568  | Z32  | 10H          |                    |  |  |
| 11                 | 18 - 32                      |                             | N                | C2098 18 32 MNO              | 012-9894                            | C2098 18 32 FNO              | 012-9939                            | 0568  | Z32  | 10H          |                    |  |  |
| 12                 |                              |                             | B                | C2098 18 32 MBO              | 012-9896                            | C2098 18 32 FBO              | 012-9941                            | 0568  | Z32  | 10H          |                    |  |  |
| 13                 |                              |                             | C                | C2098 18 32 MCO              | 012-9897                            | C2098 18 32 FCO              | 012-9942                            | 0568  | Z32  | 10H          |                    |  |  |
| 14                 |                              |                             | E                | C2098 18 32 MEO              | 012-9895                            | C2098 18 32 FEO              | 012-9940                            | 0568  | Z32  | 10H          |                    |  |  |
| 15                 |                              |                             | F                | C2098 18 32 MFO              | 012-9898                            | C2098 18 32 FFO              | 012-9943                            | 0568  | Z32  | 10H          |                    |  |  |
| 16                 | 20 - 15                      |                             | N                | C2098 20 16 MNO              | 012-9554                            | C2098 20 16 FNO              | 012-9599                            | 0568  | Z32  | 10H          |                    |  |  |
| 17                 |                              |                             | B                | C2098 20 16 MBO              | 012-9556                            | C2098 20 16 FBO              | 012-9601                            | 0568  | Z32  | 10H          |                    |  |  |
| 18                 |                              |                             | C                | C2098 20 16 MCO              | 012-9557                            | C2098 20 16 FCO              | 012-9602                            | 0568  | Z32  | 10H          |                    |  |  |
| 19                 |                              |                             | E                | C2098 20 16 MEO              | 012-9555                            | C2098 20 16 FEO              | 012-9600                            | 0568  | Z32  | 10H          |                    |  |  |
| 20                 |                              |                             | F                | C2098 20 16 MFO              | 012-9558                            | C2098 20 16 FFO              | 012-9603                            | 0568  | Z32  | 10H          |                    |  |  |
| 21                 | 20 - 41                      |                             | N                | C2098 20 41 MNO              | 012-9983                            | C2098 20 41 FNO              | 013-0023                            | 0568  | Z32  | 10H          |                    |  |  |
| 22                 |                              |                             | B                | C2098 20 41 MBO              | 012-9985                            | C2098 20 41 FBO              | 013-0025                            | 0568  | Z32  | 10H          |                    |  |  |
| 23                 |                              |                             | C                | C2098 20 41 MCO              | 012-9986                            | C2098 20 41 FCO              | 013-0026                            | 0568  | Z32  | 10H          |                    |  |  |
| 24                 |                              |                             | E                | C2098 20 41 MEO              | 012-9984                            | C2098 20 41 FEO              | 013-0024                            | 0568  | Z32  | 10H          |                    |  |  |
| 25                 |                              |                             | F                | C2098 20 41 MFO              | 012-9987                            | C2098 20 41 FFO              | 013-0027                            | 0568  | Z32  | 10H          |                    |  |  |
| 26                 | 22 - 21                      |                             | N                | C2098 22 21 MNO              | 012-9724                            | C2098 22 21 FNO              | 012-9769                            | 0568  | Z32  | 10H          |                    |  |  |
| 27                 |                              |                             | B                | C2098 22 21 MBO              | 012-9726                            | C2098 22 21 FBO              | 012-9771                            | 0568  | Z32  | 10H          |                    |  |  |
| 28                 |                              |                             | C                | C2098 22 21 MCO              | 012-9727                            | C2098 22 21 FCO              | 012-9772                            | 0568  | Z32  | 10H          |                    |  |  |
| 29                 |                              |                             | E                | C2098 22 21 MEO              | 012-9725                            | C2098 22 21 FEO              | 012-9770                            | 0568  | Z32  | 10H          |                    |  |  |
| 30                 |                              |                             | F                | C2098 22 21 MFO              | 012-9728                            | C2098 22 21 FFO              | 012-9773                            | 0568  | Z32  | 10H          |                    |  |  |
| 31                 | 22 - 55                      |                             | N                | C2098 22 55 MNO              | 013-0064                            | C2098 22 55 FNO              | 013-0109                            | 0568  | Z32  | 10H          |                    |  |  |
| 32                 |                              |                             | B                | C2098 22 55 MBO              | 013-0066                            | C2098 22 55 FBO              | 013-0111                            | 0568  | Z32  | 10H          |                    |  |  |
| 33                 |                              |                             | C                | C2098 22 55 MCO              | 013-0067                            | C2098 22 55 FCO              | 013-0112                            | 0568  | Z32  | 10H          |                    |  |  |
| 34                 |                              |                             | E                | C2098 22 55 MEO              | 013-0065                            | C2098 22 55 FEO              | 013-0110                            | 0568  | Z32  | 10H          |                    |  |  |
| 35                 |                              |                             | F                | C2098 22 55 MFO              | 013-0068                            | C2098 22 55 FFO              | 013-0113                            | 0568  | Z32  | 10H          |                    |  |  |

Notes applicable to this Table are on page 64

TABLE I(D) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |          | SERVICE MANAGEMENT<br>CODES |              |     |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|-----------------------------|--------------|-----|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY     | ARMY                        | AIR<br>FORCE |     |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |          |                             |              |     |
|                    |                              |                             |                  |                              |                                     |                              |                                     |          |                             |              |     |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)      | (h)                         | (j)          |     |
| 1                  | 24                           | -                           | 61               | N                            | C2098 24 61 MNO                     | 013-0154                     | C2098 24 61 FNO                     | 013-0199 | 0568                        | Z32          | 10H |
| 2                  |                              |                             |                  | B                            | C2098 24 61 MBO                     | 013-0156                     | C2098 24 61 FBO                     | 013-0201 | 0568                        | Z32          | 10H |
| 3                  |                              |                             |                  | C                            | C2098 24 61 MCO                     | 013-0157                     | C2098 24 61 FCO                     | 013-0202 | 0568                        | Z32          | 10H |
| 4                  |                              |                             |                  | E                            | C2098 24 61 MEO                     | 013-0155                     | C2098 24 61 FEO                     | 013-0200 | 0568                        | Z32          | 10H |
| 5                  |                              |                             |                  | F                            | C2098 24 61 MFO                     | 013-0158                     | C2098 24 61 FFO                     | 013-0203 | 0568                        | Z32          | 10H |

Notes applicable to this Table are on page 64

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(E)

TABLE I(E)

STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9522 F0017

STYLE: FIXED. SINGLE HOLE MOUNTING WITH SOLDER SPILLS

SPECIFICATION: BS 9522 F0017

STYLE NUMBER: C2099

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |       | SERVICE MANAGEMENT |              |  |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|--------------------|--------------|--|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |                    |              |  |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY               | AIR<br>FORCE |  |
|                    |                              |                             |                  |                              |                                     |                              |                                     |       |                    |              |  |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)                | (i)          |  |
| 1                  | 08 - 33                      |                             | N                | C2099 08 33 MNO              | 012-8821                            | C2099 08 33 FNO              | 012-8841                            | 0568  | Z32                | 10H          |  |
| 2                  |                              |                             | E                | C2099 08 33 MEO              | 012-8822                            | C2099 08 33 FEO              | 012-8842                            | 0568  | Z32                | 10H          |  |
| 3                  |                              |                             | F                | C2099 08 33 MFO              | 012-8823                            | C2099 08 33 FFO              | 012-8843                            | 0568  | Z32                | 10H          |  |
| 4                  | 10 - C2                      |                             | N                | C2099 10 02 MNO              | 012-8771                            | C2099 10 02 FNO              | 012-8796                            | 0568  | Z32                | 10H          |  |
| 5                  |                              |                             | B                | C2099 10 02 MBO              | 012-8773                            | C2099 10 02 FBO              | 012-8798                            | 0568  | Z32                | 10H          |  |
| 6                  |                              |                             | C                | C2099 10 02 MCO              | 012-8774                            | C2099 10 02 FCO              | 012-8799                            | 0568  | Z32                | 10H          |  |
| 7                  |                              |                             | E                | C2099 10 02 MEO              | 012-8772                            | C2099 10 02 FEO              | 012-8797                            | 0568  | Z32                | 10H          |  |
| 8                  |                              |                             | F                | C2099 10 02 MFO              | 012-8775                            | C2099 10 02 FFO              | 012-8800                            | 0568  | Z32                | 10H          |  |
| 9                  | 10 - 06                      |                             | N                | C2099 10 06 MNO              | 012-9145                            | C2099 10 06 FNO              | 012-9175                            | 0568  | Z32                | 10H          |  |
| 10                 |                              |                             | B                | C2099 10 06 MBO              | 012-9147                            | C2099 10 06 FBO              | 012-9177                            | 0568  | Z32                | 10H          |  |
| 11                 |                              |                             | C                | C2099 10 06 MCO              | 012-9148                            | C2099 10 06 FCO              | 012-9178                            | 0568  | Z32                | 10H          |  |
| 12                 |                              |                             | E                | C2099 10 06 MEO              | 012-9146                            | C2099 10 06 FEO              | 012-9176                            | 0568  | Z32                | 10H          |  |
| 13                 |                              |                             | F                | C2099 10 06 MFO              | 012-9149                            | C2099 10 06 FFO              | 012-9179                            | 0568  | Z32                | 10H          |  |
| 14                 | 10 - 07                      |                             | N                | C2099 10 07 MNO              | 014-7173                            | C2099 10 07 FNO              | 014-7203                            | 0568  | Z32                | 10H          |  |
| 15                 |                              |                             | B                | C2099 10 07 MBO              | 014-7174                            | C2099 10 07 FBO              | 014-7204                            | 0568  | Z32                | 10H          |  |
| 16                 |                              |                             | C                | C2099 10 07 MCO              | 014-7175                            | C2099 10 07 FCO              | 014-7205                            | 0568  | Z32                | 10H          |  |
| 17                 |                              |                             | E                | C2099 10 07 MEO              | 014-7176                            | C2099 10 07 FEO              | 014-7206                            | 0568  | Z32                | 10H          |  |
| 18                 |                              |                             | F                | C2099 10 07 MFO              | 014-7177                            | C2099 10 07 FFO              | 014-7207                            | 0568  | Z32                | 10H          |  |
| 19                 | 12 - 03                      |                             | N                | C2099 12 03 MNO              | 012-8861                            | C2099 12 03 FNO              | 012-8891                            | 0568  | Z32                | 10H          |  |
| 20                 |                              |                             | B                | C2099 12 03 MBO              | 012-8863                            | C2099 12 03 FBO              | 012-8893                            | 0568  | Z32                | 10H          |  |
| 21                 |                              |                             | C                | C2099 12 03 MCO              | 012-8864                            | C2099 12 03 FCO              | 012-8894                            | 0568  | Z32                | 10H          |  |
| 22                 |                              |                             | E                | C2099 12 03 MEO              | 012-8862                            | C2099 12 03 FEO              | 012-8892                            | 0568  | Z32                | 10H          |  |
| 23                 |                              |                             | F                | C2099 12 03 MFO              | 012-8865                            | C2099 12 03 FFO              | 012-8895                            | 0568  | Z32                | 10H          |  |
| 24                 | 12 - 10                      |                             | N                | C2099 12 10 MNO              | 012-9295                            | C2099 12 10 FNO              | 012-9340                            | 0568  | Z32                | 10H          |  |
| 25                 |                              |                             | B                | C2099 12 10 MBO              | 012-9297                            | C2099 12 10 FBO              | 012-9342                            | 0568  | Z32                | 10H          |  |
| 26                 |                              |                             | C                | C2099 12 10 MCO              | 012-9298                            | C2099 12 10 FCO              | 012-9343                            | 0568  | Z32                | 10H          |  |
| 27                 |                              |                             | E                | C2099 12 10 MEO              | 012-9296                            | C2099 12 10 FEO              | 012-9341                            | 0568  | Z32                | 10H          |  |
| 28                 |                              |                             | F                | C2099 12 10 MFO              | 012-9299                            | C2099 12 10 FFO              | 012-9344                            | 0568  | Z32                | 10H          |  |

Notes applicable to this Table are on page 64

TABLE I(E) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              | SERVICE MANAGEMENT                  |       |      |              |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |
|                    |                              |                             |                  |                              |                                     |                              |                                     |       |      |              |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)  | (i)          |
| 1                  | 14                           | - 02                        | N                | C2099 14 02 MNO              | 014-7230                            | C2099 14 02 FNO              | 014-7275                            | 0568  | Z32  | 10H          |
| 2                  |                              |                             | B                | C2099 14 02 MBO              | 014-7231                            | C2099 14 02 FBO              | 014-7276                            | 0568  | Z32  | 10H          |
| 3                  |                              |                             | C                | C2099 14 02 MCO              | 014-7235                            | C2099 14 02 FCO              | 014-7277                            | 0568  | Z32  | 10H          |
| 4                  |                              |                             | E                | C2099 14 02 MEO              | 014-7236                            | C2099 14 02 FEO              | 014-7278                            | 0568  | Z32  | 10H          |
| 5                  |                              |                             | F                | C2099 14 02 MFO              | 014-7237                            | C2099 14 02 FFO              | 014-7279                            | 0568  | Z32  | 10H          |
| 6                  | 14                           | - 05                        | N                | C2099 14 05 MNO              | 012-8921                            | C2099 14 05 FNO              | 012-8966                            | 0568  | Z32  | 10H          |
| 7                  |                              |                             | B                | C2099 14 05 MBO              | 012-8923                            | C2099 14 05 FBO              | 012-8968                            | 0568  | Z32  | 10H          |
| 8                  |                              |                             | C                | C2099 14 05 MCO              | 012-8924                            | C2099 14 05 FCO              | 012-8969                            | 0568  | Z32  | 10H          |
| 9                  |                              |                             | E                | C2099 14 05 MEO              | 012-8922                            | C2099 14 05 FEO              | 012-8967                            | 0568  | Z32  | 10H          |
| 10                 |                              |                             | F                | C2099 14 05 MFO              | 012-8925                            | C2099 14 05 FFO              | 012-8970                            | 0568  | Z32  | 10H          |
| 11                 | 14                           | - 12                        | N                | C2099 14 12 MNO              | 012-9475                            | C2099 14 12 FNO              | 012-9510                            | 0568  | Z32  | 10H          |
| 12                 |                              |                             | B                | C2099 14 12 MBO              | 012-9477                            | C2099 14 12 FBO              | 012-9512                            | 0568  | Z32  | 10H          |
| 13                 |                              |                             | C                | C2099 14 12 MCO              | 012-9478                            | C2099 14 12 FCO              | 012-9513                            | 0568  | Z32  | 10H          |
| 14                 |                              |                             | E                | C2099 14 12 MEO              | 012-9476                            | C2099 14 12 FEO              | 012-9511                            | 0568  | Z32  | 10H          |
| 15                 |                              |                             | F                | C2099 14 12 MFO              | 012-9579                            | C2099 14 12 FFO              | 012-9514                            | 0568  | Z32  | 10H          |
| 16                 | 14                           | - 19                        | N                | C2099 14 19 MNO              | 012-9635                            | C2099 14 19 FNO              | 012-9677                            | 0568  | Z32  | 10H          |
| 17                 |                              |                             | B                | C2099 14 19 MBO              | 012-9637                            | C2099 14 19 FBO              | 012-9678                            | 0568  | Z32  | 10H          |
| 18                 |                              |                             | C                | C2099 14 19 MCO              | 012-9638                            | C2099 14 19 FCO              | 012-9678                            | 0568  | Z32  | 10H          |
| 19                 |                              |                             | E                | C2099 14 19 MEO              | 012-9636                            | C2099 14 19 FEO              | 012-9676                            | 0568  | Z32  | 10H          |
| 20                 |                              |                             | F                | C2099 14 19 MFO              | 012-9639                            | C2099 14 19 FFO              | 012-9679                            | 0568  | Z32  | 10H          |
| 21                 | 14                           | - 22                        | N                | C2099 14 22 MNO              | 014-7317                            | C2099 14 22 FNO              | 014-7353                            | 0568  | Z32  | 10H          |
| 22                 |                              |                             | B                | C2099 14 22 MBO              | 014-7318                            | C2099 14 22 FBO              | 014-7354                            | 0568  | Z32  | 10H          |
| 23                 |                              |                             | C                | C2099 14 22 MCO              | 014-7319                            | C2099 14 22 FCO              | 014-7355                            | 0568  | Z32  | 10H          |
| 24                 |                              |                             | E                | C2099 14 22 MEO              | 014-7320                            | C2099 14 22 FEO              | 014-7356                            | 0568  | Z32  | 10H          |
| 25                 |                              |                             | F                | C2099 14 22 MFO              | 014-7321                            | C2099 14 22 FFO              | 014-7357                            | 0568  | Z32  | 10H          |
| 26                 | 16                           | - 08                        | N                | C2099 16 08 MNO              | 012-9205                            | C2099 16 08 FNO              | 012-9250                            | 0568  | Z32  | 10H          |
| 27                 |                              |                             | B                | C2099 16 08 MBO              | 012-9207                            | C2099 16 08 FBO              | 012-9252                            | 0568  | Z32  | 10H          |
| 28                 |                              |                             | C                | C2099 16 08 MCO              | 012-9208                            | C2099 16 08 FCO              | 012-9253                            | 0568  | Z32  | 10H          |
| 29                 |                              |                             | E                | C2099 16 08 MEO              | 012-9206                            | C2099 16 08 FEO              | 012-9251                            | 0568  | Z32  | 10H          |
| 30                 |                              |                             | F                | C2099 16 08 MFO              | 012-9209                            | C2099 16 08 FFO              | 012-9254                            | 0568  | Z32  | 10H          |
| 31                 | 16                           | - 26                        | N                | C2099 16 26 MNO              | 012-9805                            | C2099 16 26 FNO              | 012-9845                            | 0568  | Z32  | 10H          |
| 32                 |                              |                             | B                | C2099 16 26 MBO              | 012-9807                            | C2099 16 26 FBO              | 012-9847                            | 0568  | Z32  | 10H          |
| 33                 |                              |                             | C                | C2099 16 26 MCO              | 012-9808                            | C2099 16 26 FCO              | 012-9848                            | 0568  | Z32  | 10H          |
| 34                 |                              |                             | E                | C2099 16 26 MEO              | 012-9806                            | C2099 16 26 FEO              | 012-9846                            | 0568  | Z32  | 10H          |
| 35                 |                              |                             | F                | C2099 16 26 MFO              | 012-9809                            | C2099 16 26 FFO              | 012-9849                            | 0568  | Z32  | 10H          |

Notes applicable to this Table are on page 64

TABLE I(E) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |       |      |              | SERVICE MANAGEMENT |     |     |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|--------------------|-----|-----|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |                    |     |     |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |                    |     |     |
|                    |                              |                             |                  |                              |                                     |                              |                                     |       |      |              | (a)                | (b) | (c) |
| 1                  | 18                           | - 08                        | N                | C2099 18 08 MNO              | 038-3776                            | C2099 18 08 FNO              | 038-3781                            | --    | --   | --           |                    |     |     |
| 2                  |                              |                             | B                | C2099 18 08 MBO              | 038-3777                            | C2099 18 08 FBO              | 038-3782                            | --    | --   | --           |                    |     |     |
| 3                  |                              |                             | C                | C2099 18 08 MCO              | 038-3778                            | C2099 18 08 FCO              | 038-3783                            | --    | --   | --           |                    |     |     |
| 4                  |                              |                             | E                | C2099 18 08 MEO              | 038-3779                            | C2099 18 08 FEO              | 038-3784                            | --    | --   | --           |                    |     |     |
| 5                  |                              |                             | F                | C2099 18 08 MFO              | 038-3780                            | C2099 18 08 FFO              | 038-3785                            | --    | --   | --           |                    |     |     |
| 6                  | 18                           | - 11                        | N                | C2099 18 11 MNO              | 012-9385                            | C2099 18 11 FNO              | 012-9430                            | 0568  | Z32  | 10H          |                    |     |     |
| 7                  |                              |                             | B                | C2099 18 11 MBO              | 012-9387                            | C2099 18 11 FBO              | 012-9432                            | 0568  | Z32  | 10H          |                    |     |     |
| 8                  |                              |                             | C                | C2099 18 11 MCO              | 012-9388                            | C2099 18 11 FCO              | 012-9433                            | 0568  | Z32  | 10H          |                    |     |     |
| 9                  |                              |                             | E                | C2099 18 11 MEO              | 012-9386                            | C2099 18 11 FEO              | 012-9431                            | 0568  | Z32  | 10H          |                    |     |     |
| 10                 |                              |                             | F                | C2099 18 11 MFO              | 012-9389                            | C2099 18 11 FFO              | 012-9434                            | 0568  | Z32  | 10H          |                    |     |     |
| 11                 | 18                           | - 32                        | N                | C2099 18 32 MNO              | 012-9885                            | C2099 18 32 FNO              | 012-9930                            | 0568  | Z32  | 10H          |                    |     |     |
| 12                 |                              |                             | B                | C2099 18 32 MBO              | 012-9887                            | C2099 18 32 FBO              | 012-9932                            | 0568  | Z32  | 10H          |                    |     |     |
| 13                 |                              |                             | C                | C2099 18 32 MCO              | 012-9888                            | C2099 18 32 FCO              | 012-9933                            | 0568  | Z32  | 10H          |                    |     |     |
| 14                 |                              |                             | E                | C2099 18 32 MEO              | 012-9886                            | C2099 18 32 FEO              | 012-9931                            | 0568  | Z32  | 10H          |                    |     |     |
| 15                 |                              |                             | F                | C2099 18 32 MFO              | 012-9889                            | C2099 18 32 FFO              | 012-9934                            | 0568  | Z32  | 10H          |                    |     |     |
| 16                 | 20                           | - 16                        | N                | C2099 20 16 MNO              | 012-9545                            | C2099 20 16 FNO              | 012-9590                            | 0568  | Z32  | 10H          |                    |     |     |
| 17                 |                              |                             | B                | C2099 20 16 MBO              | 012-9547                            | C2099 20 16 FBO              | 012-9592                            | 0568  | Z32  | 10H          |                    |     |     |
| 18                 |                              |                             | C                | C2099 20 16 MCO              | 012-9548                            | C2099 20 16 FCO              | 012-9593                            | 0568  | Z32  | 10H          |                    |     |     |
| 19                 |                              |                             | E                | C2099 20 16 MEO              | 012-9546                            | C2099 20 16 FEO              | 012-9591                            | 0568  | Z32  | 10H          |                    |     |     |
| 20                 |                              |                             | F                | C2099 20 16 MFO              | 012-9549                            | C2099 20 16 FFO              | 012-9594                            | 0568  | Z32  | 10H          |                    |     |     |
| 21                 | 20                           | - 41                        | N                | C2099 20 41 MNO              | 012-9975                            | C2099 20 41 FNO              | 013-0015                            | 0568  | Z32  | 10H          |                    |     |     |
| 22                 |                              |                             | B                | C2099 20 41 MBO              | 012-9977                            | C2099 20 41 FBO              | 013-0017                            | 0568  | Z32  | 10H          |                    |     |     |
| 23                 |                              |                             | C                | C2099 20 41 MCO              | 012-9978                            | C2099 20 41 FCO              | 013-0018                            | 0568  | Z32  | 10H          |                    |     |     |
| 24                 |                              |                             | E                | C2099 20 41 MEO              | 012-9976                            | C2099 20 41 FEO              | 013-0016                            | 0568  | Z32  | 10H          |                    |     |     |
| 25                 |                              |                             | F                | C2099 20 41 MFO              | 012-9979                            | C2099 20 41 FFO              | 013-0019                            | 0568  | Z32  | 10H          |                    |     |     |
| 26                 | 22                           | - 21                        | N                | C2099 22 21 MNO              | 012-9715                            | C2099 22 21 FNO              | 012-9760                            | 0568  | Z32  | 10H          |                    |     |     |
| 27                 |                              |                             | B                | C2099 22 21 MBO              | 012-9717                            | C2099 22 21 FBO              | 012-9762                            | 0568  | Z32  | 10H          |                    |     |     |
| 28                 |                              |                             | C                | C2099 22 21 MCO              | 012-9718                            | C2099 22 21 FCO              | 012-9763                            | 0568  | Z32  | 10H          |                    |     |     |
| 29                 |                              |                             | E                | C2099 22 21 MEO              | 012-9716                            | C2099 22 21 FEO              | 012-9761                            | 0568  | Z32  | 10H          |                    |     |     |
| 30                 |                              |                             | F                | C2099 22 21 MFO              | 012-9719                            | C2099 22 21 FFO              | 012-9764                            | 0568  | Z32  | 10H          |                    |     |     |
| 31                 | 22                           | - 55                        | N                | C2099 22 55 MNO              | 013-0055                            | C2099 22 55 FNO              | 013-0100                            | 0568  | Z32  | 10H          |                    |     |     |
| 32                 |                              |                             | B                | C2099 22 55 MBO              | 013-0057                            | C2099 22 55 FBO              | 013-0102                            | 0568  | Z32  | 10H          |                    |     |     |
| 33                 |                              |                             | C                | C2099 22 55 MCO              | 013-0058                            | C2099 22 55 FCO              | 013-0103                            | 0568  | Z32  | 10H          |                    |     |     |
| 34                 |                              |                             | E                | C2099 22 55 MEO              | 013-0056                            | C2099 22 55 FEO              | 013-0101                            | 0568  | Z32  | 10H          |                    |     |     |
| 35                 |                              |                             | F                | C2099 22 55 MFO              | 013-0059                            | C2099 22 55 FFO              | 013-0104                            | 0568  | Z32  | 10H          |                    |     |     |

Notes applicable to this Table are on page 64

TABLE I(E) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |          | SERVICE MANAGEMENT<br>CODES |              |     |
|--------------------|------------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|----------|-----------------------------|--------------|-----|
|                    | RANGE                        |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY     | ARMY                        | AIR<br>FORCE |     |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |          |                             |              |     |
|                    |                              |                             |                  |                              |                                     |                              |                                     |          |                             |              |     |
|                    | (a)                          |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)      | (h)                         | (j)          |     |
| 1                  | 24                           | -                           | 61               | N                            | C2099 24 61 MNO                     | 013-0145                     | C2099 24 61 FNO                     | 013-0190 | 0568                        | Z32          | 10H |
| 2                  |                              |                             |                  | B                            | C2099 24 61 MBO                     | 013-0147                     | C2099 24 61 FBO                     | 013-0192 | 0568                        | Z32          | 10H |
| 3                  |                              |                             |                  | C                            | C2099 24 61 MCO                     | 013-0148                     | C2099 24 61 FCO                     | 013-0193 | 0568                        | Z32          | 10H |
| 4                  |                              |                             |                  | E                            | C2099 24 61 MEO                     | 013-0146                     | C2099 24 61 FEO                     | 013-0191 | 0568                        | Z32          | 10H |
| 5                  |                              |                             |                  | F                            | C2099 24 61 MFO                     | 013-0149                     | C2099 24 61 FFO                     | 013-0194 | 0568                        | Z32          | 10H |

Notes applicable to this Table are on page 64

TABLE I(F)

## STANDARD RANGE

## CONNECTOR, ELECTRICAL, PATTERN 9522 FO017

STYLE: FREE, IN LINE COUPLER WITH ACCESSORY THREAD

SPECIFICATION: BS 9522 FO017

STYLE NUMBER: C2101

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |      | SERVICE MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------|-----------------------------|------|--------------|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     |      | NAVY                        | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |                             |      |              |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)  | (h)                         | (i)  | (j)          |
| 1                  | 08 - 33                     |                             | N                | C2101 08 33 MNO              | 012-8833                            | C2101 08 33 FNO              | 012-8853                            | 0568 | Z32                         | 10H  |              |
| 2                  |                             |                             | E                | C2101 08 33 MEO              | 012-8834                            | C2101 08 33 FEO              | 012-8854                            | 0568 | Z32                         | 10H  |              |
| 3                  |                             |                             | F                | C2101 08 33 MFO              | 012-8835                            | C2101 08 33 FFO              | 012-8855                            | 0568 | Z32                         | 10H  |              |
| 4                  | 10 - 02                     |                             | N                | C2101 10 02 MNO              | 012-8786                            | C2101 10 02 FNO              | 012-8811                            | 0568 | Z32                         | 10H  |              |
| 5                  |                             |                             | B                | C2101 10 02 MBO              | 012-8788                            | C2101 10 02 FBO              | 012-8813                            | 0568 | Z32                         | 10H  |              |
| 6                  |                             |                             | C                | C2101 10 02 MCO              | 012-8789                            | C2101 10 02 FCO              | 012-8814                            | 0568 | Z32                         | 10H  |              |
| 7                  |                             |                             | E                | C2101 10 02 MEO              | 012-8787                            | C2101 10 02 FEO              | 012-8812                            | 0568 | Z32                         | 10H  |              |
| 8                  |                             |                             | F                | C2101 10 02 MFO              | 012-8790                            | C2101 10 02 FFO              | 012-8815                            | 0568 | Z32                         | 10H  |              |
| 9                  | 10 - 06                     |                             | N                | C2101 10 06 MNO              | 012-9163                            | C2101 10 06 FNO              | 012-9193                            | 0568 | Z32                         | 10H  |              |
| 10                 |                             |                             | B                | C2101 10 06 MBO              | 012-9165                            | C2101 10 06 FBO              | 012-9195                            | 0568 | Z32                         | 10H  |              |
| 11                 |                             |                             | C                | C2101 10 06 MCO              | 012-9166                            | C2101 10 06 FCO              | 012-9196                            | 0568 | Z32                         | 10H  |              |
| 12                 |                             |                             | E                | C2101 10 06 MEO              | 012-9164                            | C2101 10 06 FEO              | 012-9194                            | 0568 | Z32                         | 10H  |              |
| 13                 |                             |                             | F                | C2101 10 06 MFO              | 012-9167                            | C2101 10 06 FFO              | 012-9197                            | 0568 | Z32                         | 10H  |              |
| 14                 | 10 - 07                     |                             | N                | C2101 10 07 MNO              | 014-7188                            | C2101 10 07 FNO              | 014-7218                            | 0568 | Z32                         | 10H  |              |
| 15                 |                             |                             | B                | C2101 10 07 MBO              | 014-7189                            | C2101 10 07 FBO              | 014-7219                            | 0568 | Z32                         | 10H  |              |
| 16                 |                             |                             | C                | C2101 10 07 MCO              | 014-7190                            | C2101 10 07 FCO              | 014-7220                            | 0568 | Z32                         | 10H  |              |
| 17                 |                             |                             | E                | C2101 10 07 MEO              | 014-7191                            | C2101 10 07 FEO              | 014-7221                            | 0568 | Z32                         | 10H  |              |
| 18                 |                             |                             | F                | C2101 10 07 MFO              | 014-7192                            | C2101 10 07 FFO              | 014-7222                            | 0568 | Z32                         | 10H  |              |
| 19                 | 12 - 03                     |                             | N                | C2101 12 03 MNO              | 012-8879                            | C2101 12 03 FNO              | 012-8909                            | 0568 | Z32                         | 10H  |              |
| 20                 |                             |                             | B                | C2101 12 03 MBO              | 012-8881                            | C2101 12 03 FBO              | 012-8911                            | 0568 | Z32                         | 10H  |              |
| 21                 |                             |                             | C                | C2101 12 03 MCO              | 012-8882                            | C2101 12 03 FCO              | 012-8912                            | 0568 | Z32                         | 10H  |              |
| 22                 |                             |                             | E                | C2101 12 03 MEO              | 012-8880                            | C2101 12 03 FEO              | 012-8910                            | 0568 | Z32                         | 10H  |              |
| 23                 |                             |                             | F                | C2101 12 03 MFO              | 012-8883                            | C2101 12 03 FFO              | 012-8913                            | 0568 | Z32                         | 10H  |              |
| 24                 | 12 - 10                     |                             | N                | C2101 12 10 MNO              | 012-9322                            | C2101 12 10 FNO              | 012-9367                            | 0568 | Z32                         | 10H  |              |
| 25                 |                             |                             | B                | C2101 12 10 MBO              | 012-9324                            | C2101 12 10 FBO              | 012-9369                            | 0568 | Z32                         | 10H  |              |
| 26                 |                             |                             | C                | C2101 12 10 MCO              | 012-9325                            | C2101 12 10 FCO              | 012-9370                            | 0568 | Z32                         | 10H  |              |
| 27                 |                             |                             | E                | C2101 12 10 MEO              | 012-9323                            | C2101 12 10 FEO              | 012-9368                            | 0568 | Z32                         | 10H  |              |
| 28                 |                             |                             | F                | C2101 12 10 MFO              | 012-9326                            | C2101 12 10 FFO              | 012-9371                            | 0568 | Z32                         | 10H  |              |

Notes applicable to this Table are on page 64

TABLE I(F) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |       |      |              | SERVICE MANAGEMENT |  |  |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|-------|------|--------------|--------------------|--|--|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | CODES |      |              |                    |  |  |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | NAVY  | ARMY | AIR<br>FORCE |                    |  |  |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)   | (h)  | (j)          |                    |  |  |
| 1                  | 14                          | - 02                        | N                | C2101 14 02 MNO              | 014-7254                            | C2101 14 02 FNO              | 014-7296                            | 0568  | Z32  | 10H          |                    |  |  |
| 2                  |                             |                             | B                | C2101 14 02 MBO              | 014-7255                            | C2101 14 02 FBO              | 014-7297                            | 0568  | Z32  | 10H          |                    |  |  |
| 3                  |                             |                             | C                | C2101 14 02 MCO              | 014-7256                            | C2101 14 02 FCO              | 014-7298                            | 0568  | Z32  | 10H          |                    |  |  |
| 4                  |                             |                             | E                | C2101 14 02 MEO              | 014-7257                            | C2101 14 02 FEO              | 014-7299                            | 0568  | Z32  | 10H          |                    |  |  |
| 5                  |                             |                             | F                | C2101 14 02 MFO              | 014-7258                            | C2101 14 02 FFO              | 014-7300                            | 0568  | Z32  | 10H          |                    |  |  |
| 6                  | 14                          | - 05                        | N                | C2101 14 05 MNO              | 012-8948                            | C2101 14 05 FNO              | 012-8993                            | 0568  | Z32  | 10H          |                    |  |  |
| 7                  |                             |                             | B                | C2101 14 05 MBO              | 012-8950                            | C2101 14 05 FBO              | 012-8995                            | 0568  | Z32  | 10H          |                    |  |  |
| 8                  |                             |                             | C                | C2101 14 05 MCO              | 012-8951                            | C2101 14 05 FCO              | 012-8996                            | 0568  | Z32  | 10H          |                    |  |  |
| 9                  |                             |                             | E                | C2101 14 05 MEO              | 012-8949                            | C2101 14 05 FEO              | 012-8994                            | 0568  | Z32  | 10H          |                    |  |  |
| 10                 |                             |                             | F                | C2101 14 05 MFO              | 012-8952                            | C2101 14 05 FFO              | 012-8997                            | 0568  | Z32  | 10H          |                    |  |  |
| 11                 | 14                          | - 12                        | N                | C2101 14 12 MNO              | 012-9496                            | C2101 14 12 FNO              | 012-9531                            | 0568  | Z32  | 10H          |                    |  |  |
| 12                 |                             |                             | B                | C2101 14 12 MBO              | 012-9498                            | C2101 14 12 FBO              | 012-9533                            | 0568  | Z32  | 10H          |                    |  |  |
| 13                 |                             |                             | C                | C2101 14 12 MCO              | 012-9499                            | C2101 14 12 FCO              | 012-9534                            | 0568  | Z32  | 10H          |                    |  |  |
| 14                 |                             |                             | E                | C2101 14 12 MEO              | 012-9497                            | C2101 14 12 FEO              | 012-9532                            | 0568  | Z32  | 10H          |                    |  |  |
| 15                 |                             |                             | F                | C2101 14 12 MFO              | 012-9500                            | C2101 14 12 FFO              | 012-9535                            | 0568  | Z32  | 10H          |                    |  |  |
| 16                 | 14                          | - 19                        | N                | C2101 14 19 MNO              | 012-9659                            | C2101 14 19 FNO              | 012-9699                            | 0568  | Z32  | 10H          |                    |  |  |
| 17                 |                             |                             | B                | C2101 14 19 MBO              | 012-9661                            | C2101 14 19 FBO              | 012-9701                            | 0568  | Z32  | 10H          |                    |  |  |
| 18                 |                             |                             | C                | C2101 14 19 MCO              | 012-9662                            | C2101 14 19 FCO              | 012-9702                            | 0568  | Z32  | 10H          |                    |  |  |
| 19                 |                             |                             | E                | C2101 14 19 MEO              | 012-9660                            | C2101 14 19 FEO              | 012-9700                            | 0568  | Z32  | 10H          |                    |  |  |
| 20                 |                             |                             | F                | C2101 14 19 MFO              | 012-9663                            | C2101 14 19 FFO              | 012-9703                            | 0568  | Z32  | 10H          |                    |  |  |
| 21                 | 14                          | - 22                        | N                | C2101 14 22 MNO              | 014-7335                            | C2101 14 22 FNO              | 014-7371                            | 0568  | Z32  | 10H          |                    |  |  |
| 22                 |                             |                             | B                | C2101 14 22 MBO              | 014-7336                            | C2101 14 22 FBO              | 014-7372                            | 0568  | Z32  | 10H          |                    |  |  |
| 23                 |                             |                             | C                | C2101 14 22 MCO              | 014-7337                            | C2101 14 22 FCO              | 014-7373                            | 0568  | Z32  | 10H          |                    |  |  |
| 24                 |                             |                             | E                | C2101 14 22 MEO              | 014-7338                            | C2101 14 22 FEO              | 014-7374                            | 0568  | Z32  | 10H          |                    |  |  |
| 25                 |                             |                             | F                | C2101 14 22 MFO              | 014-7339                            | C2101 14 22 FFO              | 014-7375                            | 0568  | Z32  | 10H          |                    |  |  |
| 26                 | 16                          | - 08                        | N                | C2101 16 08 MNO              | 012-9232                            | C2101 16 08 FNO              | 012-9277                            | 0568  | Z32  | 10H          |                    |  |  |
| 27                 |                             |                             | B                | C2101 16 08 MBO              | 012-9234                            | C2101 16 08 FBO              | 012-9279                            | 0568  | Z32  | 10H          |                    |  |  |
| 28                 |                             |                             | C                | C2101 16 08 MCO              | 012-9235                            | C2101 16 08 FCO              | 012-9280                            | 0568  | Z32  | 10H          |                    |  |  |
| 29                 |                             |                             | E                | C2101 16 08 MEO              | 012-9233                            | C2101 16 08 FEO              | 012-9278                            | 0568  | Z32  | 10H          |                    |  |  |
| 30                 |                             |                             | F                | C2101 16 08 MFO              | 012-9236                            | C2101 16 08 FFO              | 012-9281                            | 0568  | Z32  | 10H          |                    |  |  |
| 31                 | 16                          | - 26                        | N                | C2101 16 26 MNO              | 012-9829                            | C2101 16 26 FNO              | 012-9869                            | 0568  | Z32  | 10H          |                    |  |  |
| 32                 |                             |                             | B                | C2101 16 26 MBO              | 012-9831                            | C2101 16 26 FBO              | 012-9871                            | 0568  | Z32  | 10H          |                    |  |  |
| 33                 |                             |                             | C                | C2101 16 26 MCO              | 012-9832                            | C2101 16 26 FCO              | 012-9872                            | 0568  | Z32  | 10H          |                    |  |  |
| 34                 |                             |                             | E                | C2101 16 26 MEO              | 012-9830                            | C2101 16 26 FEO              | 012-9870                            | 0568  | Z32  | 10H          |                    |  |  |
| 35                 |                             |                             | F                | C2101 16 26 MFO              | 012-9833                            | C2101 16 26 FFO              | 012-9873                            | 0568  | Z32  | 10H          |                    |  |  |

Notes applicable to this Table are on page 64

TABLE I(F) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                              |                                     |                              |                                     |      | SERVICE MANAGEMENT<br>CODES |              |  |
|--------------------|-----------------------------|-----------------------------|------------------|------------------------------|-------------------------------------|------------------------------|-------------------------------------|------|-----------------------------|--------------|--|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT                 |                                     | FEMALE CONTACT               |                                     | NAVY | ARMY                        | AIR<br>FORCE |  |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |                             |              |  |
|                    | (a)                         |                             | (b)              | (c)                          | (d)                                 | (e)                          | (f)                                 | (g)  | (h)                         | (j)          |  |
| 1                  | 18 - 08                     |                             | N                | C2101 18 08 MNO              | 038-3786                            | C2101 18 08 FNO              | 038-3791                            | - -  | - -                         | - -          |  |
| 2                  |                             |                             | B                | C2101 18 08 MBO              | 038-3787                            | C2101 18 08 FBO              | 038-3792                            | - -  | - -                         | - -          |  |
| 3                  |                             |                             | C                | C2101 18 08 MCO              | 038-3788                            | C2101 18 08 FCO              | 038-3793                            | - -  | - -                         | - -          |  |
| 4                  |                             |                             | E                | C2101 18 08 MEO              | 038-3789                            | C2101 18 08 FEO              | 038-3794                            | - -  | - -                         | - -          |  |
| 5                  |                             |                             | F                | C2101 18 08 MFO              | 038-3790                            | C2101 18 08 FFO              | 038-3795                            | - -  | - -                         | - -          |  |
| 6                  | 18 - 11                     |                             | N                | C2101 18 11 MNO              | 012-9412                            | C2101 18 11 FNO              | 012-9457                            | 0568 | Z32                         | 10H          |  |
| 7                  |                             |                             | B                | C2101 18 11 MBO              | 012-9414                            | C2101 18 11 FBO              | 012-9459                            | 0568 | Z32                         | 10H          |  |
| 8                  |                             |                             | C                | C2101 18 11 MCO              | 012-9415                            | C2101 18 11 FCO              | 012-9460                            | 0568 | Z32                         | 10H          |  |
| 9                  |                             |                             | E                | C2101 18 11 MEO              | 012-9413                            | C2101 18 11 FEO              | 012-9458                            | 0568 | Z32                         | 10H          |  |
| 10                 |                             |                             | F                | C2101 18 11 MFO              | 012-9416                            | C2101 18 11 FFO              | 012-9461                            | 0568 | Z32                         | 10H          |  |
| 11                 | 18 - 32                     |                             | N                | C2101 18 32 MNO              | 012-9912                            | C2101 18 32 FNO              | 012-9957                            | 0568 | Z32                         | 10H          |  |
| 12                 |                             |                             | B                | C2101 18 32 MBO              | 012-9914                            | C2101 18 32 FBO              | 012-9959                            | 0568 | Z32                         | 10H          |  |
| 13                 |                             |                             | C                | C2101 18 32 MCO              | 012-9915                            | C2101 18 32 FCO              | 012-9960                            | 0568 | Z32                         | 10H          |  |
| 14                 |                             |                             | E                | C2101 18 32 MEO              | 012-9913                            | C2101 18 32 FEO              | 012-9958                            | 0568 | Z32                         | 10H          |  |
| 15                 |                             |                             | F                | C2101 18 32 MFO              | 012-9916                            | C2101 18 32 FFO              | 012-9961                            | 0568 | Z32                         | 10H          |  |
| 16                 | 20 - 16                     |                             | N                | C2101 20 16 MNO              | 012-9572                            | C2101 20 16 FNO              | 012-9617                            | 0568 | Z32                         | 10H          |  |
| 17                 |                             |                             | B                | C2101 20 16 MBO              | 012-9574                            | C2101 20 16 FBO              | 012-9619                            | 0568 | Z32                         | 10H          |  |
| 18                 |                             |                             | C                | C2101 20 16 MCO              | 012-9575                            | C2101 20 16 FCO              | 012-9620                            | 0568 | Z32                         | 10H          |  |
| 19                 |                             |                             | E                | C2101 20 16 MEO              | 012-9573                            | C2101 20 16 FEO              | 012-9618                            | 0568 | Z32                         | 10H          |  |
| 20                 |                             |                             | F                | C2101 20 16 MFO              | 012-9576                            | C2101 20 16 FFO              | 012-9621                            | 0568 | Z32                         | 10H          |  |
| 21                 | 20 - 41                     |                             | N                | C2101 20 41 MNO              | 012-9999                            | C2101 20 41 FNO              | 013-0039                            | 0568 | Z32                         | 10H          |  |
| 22                 |                             |                             | B                | C2100 20 41 MBO              | 013-0001                            | C2101 20 41 FBO              | 013-0041                            | 0568 | Z32                         | 10H          |  |
| 23                 |                             |                             | C                | C2100 20 41 MCO              | 013-0002                            | C2101 20 41 FCO              | 013-0042                            | 0568 | Z32                         | 10H          |  |
| 24                 |                             |                             | E                | C2101 20 41 MEO              | 013-0000                            | C2101 20 41 FEO              | 013-0040                            | 0568 | Z32                         | 10H          |  |
| 25                 |                             |                             | F                | C2101 20 41 MFO              | 013-0003                            | C2101 20 41 FFO              | 013-0043                            | 0568 | Z32                         | 10H          |  |
| 26                 | 22 - 21                     |                             | N                | C2101 22 21 MNO              | 012-9742                            | C2101 22 21 FNO              | 012-9787                            | 0568 | Z32                         | 10H          |  |
| 27                 |                             |                             | B                | C2101 22 21 MBO              | 012-9744                            | C2101 22 21 FBO              | 012-9789                            | 0568 | Z32                         | 10H          |  |
| 28                 |                             |                             | C                | C2101 22 21 MCO              | 012-9745                            | C2101 22 21 FCO              | 012-9790                            | 0568 | Z32                         | 10H          |  |
| 29                 |                             |                             | E                | C2101 22 21 MEO              | 012-9743                            | C2101 22 21 FEO              | 012-9788                            | 0568 | Z32                         | 10H          |  |
| 30                 |                             |                             | F                | C2101 22 21 MFO              | 012-9746                            | C2101 22 21 FFO              | 012-9791                            | 0568 | Z32                         | 10H          |  |
| 31                 | 22 - 55                     |                             | N                | C2101 22 55 MNO              | 013-0082                            | C2101 22 55 FNO              | 013-0127                            | 0568 | Z32                         | 10H          |  |
| 32                 |                             |                             | B                | C2101 22 55 MBO              | 013-0084                            | C2101 22 55 FBO              | 013-0129                            | 0568 | Z32                         | 10H          |  |
| 33                 |                             |                             | C                | C2101 22 55 MCO              | 013-0085                            | C2101 22 55 FCO              | 013-0130                            | 0568 | Z32                         | 10H          |  |
| 34                 |                             |                             | E                | C2101 22 55 MEO              | 013-0083                            | C2101 22 55 FEO              | 013-0128                            | 0568 | Z32                         | 10H          |  |
| 35                 |                             |                             | F                | C2101 22 55 MFO              | 013-0086                            | C2101 22 55 FFO              | 013-0131                            | 0568 | Z32                         | 10H          |  |

Notes applicable to this Table are on page 64

TABLE I(F) - CONTINUED

| PAGE<br>ITEM<br>NO | CONNECTOR, FREE, ELECTRICAL |                             |                  |                     |                             |                     |                             |          | SERVICE MANAGEMENT<br>CODES |              |     |
|--------------------|-----------------------------|-----------------------------|------------------|---------------------|-----------------------------|---------------------|-----------------------------|----------|-----------------------------|--------------|-----|
|                    | RANGE                       |                             | ORIENT-<br>ATION | MALE CONTACT        |                             | FEMALE CONTACT      |                             | NAVY     | ARMY                        | AIR<br>FORCE |     |
|                    | SHELL<br>SIZE               | CONTACT<br>ARRANGE-<br>MENT |                  | STYLE               | NATO                        | STYLE               | NATO                        |          |                             |              |     |
|                    |                             |                             |                  | REFERENCE<br>NUMBER | STOCK<br>NUMBER<br>5935-99- | REFERENCE<br>NUMBER | STOCK<br>NUMBER<br>5935-99- |          |                             |              |     |
|                    | (a)                         |                             | (b)              | (c)                 | (d)                         | (e)                 | (f)                         | (g)      | (h)                         | (j)          |     |
| 1                  | 24                          | -                           | 61               | N                   | C2101 24 61 MNO             | 013-0172            | C2101 24 61 FNO             | 013-0217 | 0568                        | Z32          | 10H |
| 2                  |                             |                             |                  | B                   | C2101 24 61 MBO             | 013-0174            | C2101 24 61 FBO             | 013-0219 | 0568                        | Z32          | 10H |
| 3                  |                             |                             |                  | C                   | C2101 24 61 MCO             | 013-0175            | C2101 24 61 FCO             | 013-0220 | 0568                        | Z32          | 10H |
| 4                  |                             |                             |                  | E                   | C2101 24 61 MEO             | 013-0173            | C2101 24 61 FEO             | 013-0218 | 0568                        | Z32          | 10H |
| 5                  |                             |                             |                  | F                   | C2101 24 61 MFO             | 013-0176            | C2101 24 61 FFO             | 013-0221 | 0568                        | Z32          | 10H |

Notes applicable to this Table are on page 64

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(G)

TABLE I(G)

STANDARD RANGE  
ACCESSORIES

GROMMET NUT ASSEMBLY (Includes NUT FOLLOWER, AND GROMMET)  
 STYLE No A2102  
 NSI CONTROL DRG No CC/A2102

| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE | CONTACT<br>ARRANGEMENT | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|---------------|------------------------|----------------------------------|--------------------------------|------|-----------|
|                        |               |                        |                                  | NAVY                           | ARMY | AIR FORCE |
|                        |               |                        |                                  | (c)                            | (d)  | (e)       |
| 1                      | 08 - 33       |                        | 015-4264                         | --                             | --   | --        |
| 2                      | 10 - 02       |                        | 015-4265                         | --                             | --   | --        |
| 3                      | 10 - 06       |                        | 015-4266                         | --                             | --   | --        |
| 4                      | 10 - 07       |                        | 015-4267                         | --                             | --   | --        |
| 5                      | 12 - 03       |                        | 015-4273                         | --                             | --   | --        |
| 6                      | 12 - 10       |                        | 015-4274                         | --                             | --   | --        |
| 7                      | 14 - 02       |                        | 015-4275                         | --                             | --   | --        |
| 8                      | 14 - 05       |                        | 015-4276                         | --                             | --   | --        |
| 9                      | 14 - 12       |                        | 015-4338                         | --                             | --   | --        |
| 10                     | 14 - 19       |                        | 015-4339                         | --                             | --   | --        |
| 11                     | 14 - 22       |                        | 015-4347                         | --                             | --   | --        |
| 12                     | 16 - 08       |                        | 015-4348                         | --                             | --   | --        |
| 13                     | 16 - 26       |                        | 015-4356                         | --                             | --   | --        |
| 14                     | 18 - 08       |                        | 015-4357                         | --                             | --   | --        |
| 15                     | 18 - 11       |                        | 015-4365                         | --                             | --   | --        |
| 16                     | 18 - 32       |                        | 015-4366                         | --                             | --   | --        |
| 17                     | 20 - 16       |                        | 015-4374                         | --                             | --   | --        |
| 18                     | 20 - 41       |                        | 015-4375                         | --                             | --   | --        |
| 19                     | 22 - 21       |                        | 015-5038                         | --                             | --   | --        |
| 20                     | 22 - 55       |                        | 015-5039                         | --                             | --   | --        |
| 21                     | 24 - 61       |                        | 015-5040                         | --                             | --   | --        |

Notes applicable to this Table are on page 64

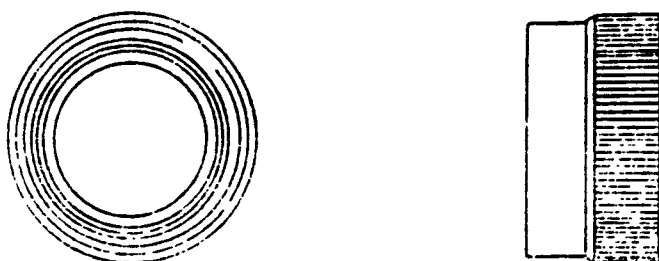


FIG 1

TABLE I(H)

STANDARD RANGE  
ACCESSORIES

CABLE CLAMP ASSEMBLY (Includes grommet STYLE No A2011)  
STYLE No A2103  
NSI CONTROL DKG No CC/A2103

| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE | CONTACT<br>ARRANGEMENT | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|---------------|------------------------|----------------------------------|--------------------------------|------|-----------|
|                        |               |                        |                                  | NAVY                           | ARMY | AIR FORCE |
|                        | (a)           |                        | (b)                              | (c)                            | (d)  | (e)       |
| 1                      | 08 - 33       |                        | 015-5041                         | --                             | --   | --        |
| 2                      | 10 - 02       |                        | 015-5047                         | --                             | --   | --        |
| 3                      | 10 - 06       |                        | 015-5048                         | --                             | --   | --        |
| 4                      | 10 - 07       |                        | 015-5049                         | --                             | --   | --        |
| 5                      | 12 - 03       |                        | 015-5050                         | --                             | --   | --        |
| 6                      | 12 - 10       |                        | 015-5056                         | --                             | --   | --        |
| 7                      | 14 - 02       |                        | 015-5057                         | --                             | --   | --        |
| 8                      | 14 - 05       |                        | 015-5058                         | --                             | --   | --        |
| 9                      | 14 - 12       |                        | 015-5059                         | --                             | --   | --        |
| 10                     | 14 - 19       |                        | 015-5065                         | --                             | --   | --        |
| 11                     | 14 - 22       |                        | 015-5066                         | --                             | --   | --        |
| 12                     | 16 - 08       |                        | 015-5067                         | --                             | --   | --        |
| 13                     | 16 - 26       |                        | 015-5068                         | --                             | --   | --        |
| 14                     | 18 - 08       |                        | 015-5074                         | --                             | --   | --        |
| 15                     | 18 - 11       |                        | 015-5075                         | --                             | --   | --        |
| 16                     | 18 - 32       |                        | 015-5076                         | --                             | --   | --        |
| 17                     | 20 - 16       |                        | 015-5077                         | --                             | --   | --        |
| 18                     | 20 - 41       |                        | 015-5083                         | --                             | --   | --        |
| 19                     | 22 - 21       |                        | 015-5084                         | --                             | --   | --        |
| 20                     | 22 - 55       |                        | 015-5085                         | --                             | --   | --        |
| 21                     | 24 - 61       |                        | 015-5086                         | --                             | --   | --        |

Notes applicable to this Table are on page 64

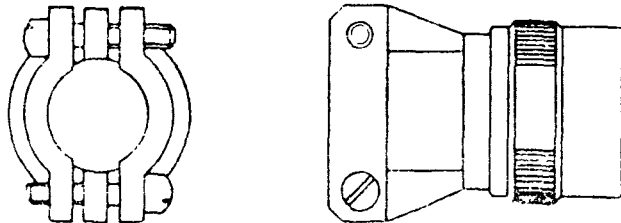


FIG 1

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(J)

TABLE I(J)

STANDARD RANGE  
ACCESSORIES

CABLE GROMMET (ITEM FOR REPLACEMENT)  
 STYLE No A2011  
 NSI CONTROL DRG No CC/A2011

| PAGE<br>ITEM<br>NUMBER | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|----------------------------|-------------|----------------------------------|--------------------------------|------|-----------|
|                        |                            | g           |                                  | NAVY                           | ARMY | AIR FORCE |
|                        | (a)                        | (b)         | (c)                              | (d)                            | (e)  | (f)       |
| 1                      | 08                         | 0.7         | 654-2697                         | ---                            | ---  | ---       |
| 2                      | 10                         | 0.9         | 654-2698                         | ---                            | ---  | ---       |
| 3                      | 12                         | 1.3         | 654-2699                         | ---                            | ---  | ---       |
| 4                      | 14                         | 2.2         | 654-2700                         | ---                            | ---  | ---       |
| 5                      | 16                         | 1.9         | 654-2701                         | ---                            | ---  | ---       |
| 6                      | 18                         | 2.7         | 654-2702                         | ---                            | ---  | ---       |
| 7                      | 20                         | 2.7         | 654-2702                         | ---                            | ---  | ---       |
| 8                      | 22                         | 4.6         | 654-2703                         | ---                            | ---  | ---       |
| 9                      | 24                         | 4.6         | 654-2704                         | ---                            | ---  | ---       |

Notes applicable to this Table are on page 64



FIG 1

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(K)

TABLE I(K)

STANDARD RANGE  
ACCESSORIES

COVER FOR CONNECTOR, FREE  
STYLE No A2012  
NSI CONTROL DRG No CC/A2012

| PAGE<br>ITEM<br>NUMBER | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|----------------------------|-------------|----------------------------------|--------------------------------|------|-----------|
|                        |                            | g           |                                  | NAVY                           | ARMY | AIR FORCE |
|                        | (a)                        | (b)         | (c)                              | (d)                            | (e)  | (f)       |
| 1                      | 08                         | 8           | 648-9973                         | ---                            | ---  | ---       |
| 2                      | 10                         | 9           | 648-9974                         | ---                            | ---  | ---       |
| 3                      | 12                         | 11          | 648-9975                         | ---                            | ---  | ---       |
| 4                      | 14                         | 13          | 648-9976                         | ---                            | ---  | ---       |
| 5                      | 16                         | 15          | 648-9977                         | ---                            | ---  | ---       |
| 6                      | 18                         | 17          | 648-9978                         | ---                            | ---  | ---       |
| 7                      | 20                         | 24          | 648-9979                         | ---                            | ---  | ---       |
| 8                      | 22                         | 27          | 648-9980                         | ---                            | ---  | ---       |
| 9                      | 24                         | 30          | 648-9981                         | ---                            | ---  | ---       |

Notes applicable to this Table are on page 64

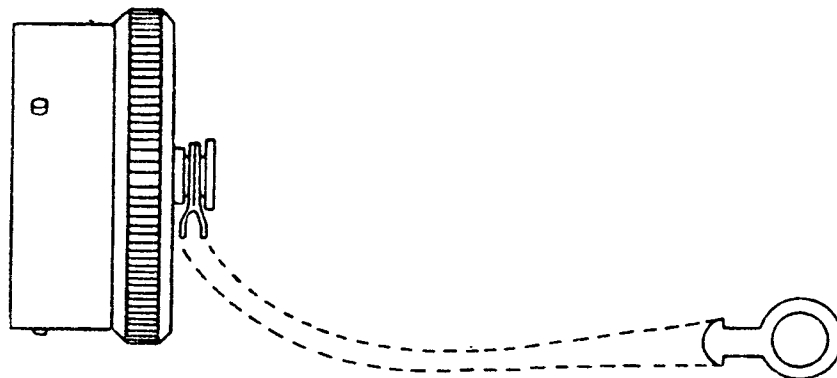


FIG 1

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE I(L)

TABLE I(L)

STANDARD RANGE  
ACCESSORIES

COVER FOR CONNECTOR, FIXED, TYPE 1  
 STYLE No A2013  
 NSI CONTROL DRG No CC/A2013

| PAGE<br>ITEM<br>NUMBER | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|----------------------------|-------------|----------------------------------|--------------------------------|------|-----------|
|                        |                            | g           |                                  | NAVY                           | ARMY | AIR FORCE |
|                        | (a)                        | (b)         | (c)                              | (d)                            | (e)  | (f)       |
| 1                      | 08                         | 10          | 648-9982                         | --                             | --   | --        |
| 2                      | 10                         | 11          | 648-9983                         | --                             | --   | --        |
| 3                      | 12                         | 14          | 648-9984                         | --                             | --   | --        |
| 4                      | 14                         | 16          | 648-9985                         | --                             | --   | --        |
| 5                      | 16                         | 18          | 648-9986                         | --                             | --   | --        |
| 6                      | 18                         | 20          | 648-9987                         | --                             | --   | --        |
| 7                      | 20                         | 24          | 648-9988                         | --                             | --   | --        |
| 8                      | 22                         | 25          | 648-9989                         | --                             | --   | --        |
| 9                      | 24                         | 29          | 648-9990                         | --                             | --   | --        |

Notes applicable to this Table are on page 64

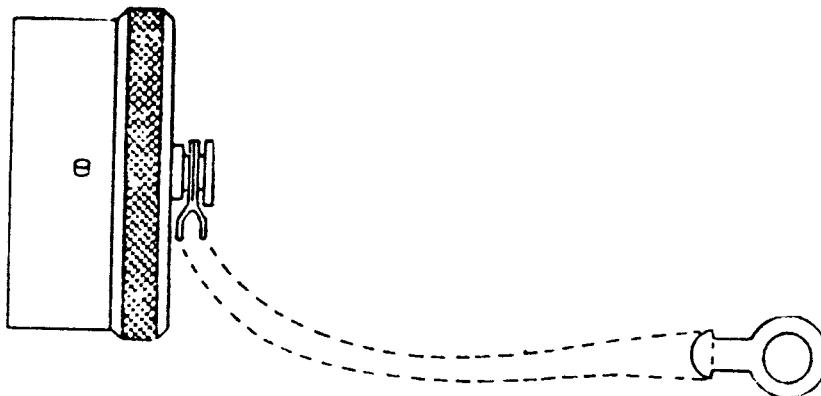


FIG 1

TABLE I(M)

STANDARD RANGE  
ACCESSORIES

COVER FOR CONNECTOR, FIXED, TYPE 2  
STYLE No A2014  
NSI CONTROL DRG No CC/A2014

| PAGE<br>ITEM<br>NUMBER | HOUSING<br>(SHELL)<br>SIZE | MASS<br>MAX | NATO<br>STOCK NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|----------------------------|-------------|----------------------------------|--------------------------------|------|-----------|
|                        |                            | g           |                                  | NAVY                           | ARMY | AIR FORCE |
|                        | (a)                        | (b)         | (c)                              | (d)                            | (e)  | (f)       |
| 1                      | 08                         | 9.5         | 014-7466                         | 0568                           | Z32  | 10H       |
| 2                      | 10                         | 10.5        | 014-7467                         | 0568                           | Z32  | 10H       |
| 3                      | 12                         | 13.3        | 014-7468                         | 0568                           | Z32  | 10H       |
| 4                      | 14                         | 15.9        | 014-7469                         | 0568                           | Z32  | 10H       |
| 5                      | 16                         | 18.0        | 014-7470                         | 0568                           | Z32  | 10H       |
| 6                      | 18                         | 19.9        | 014-7471                         | 0568                           | Z32  | 10H       |
| 7                      | 20                         | 22.9        | 014-7472                         | 0568                           | Z32  | 10H       |
| 8                      | 22                         | 24.7        | 014-7473                         | 0568                           | Z32  | 10H       |
| 9                      | 24                         | 28.4        | 014-7474                         | 0568                           | Z32  | 10H       |

Notes applicable to this Table are on page 64

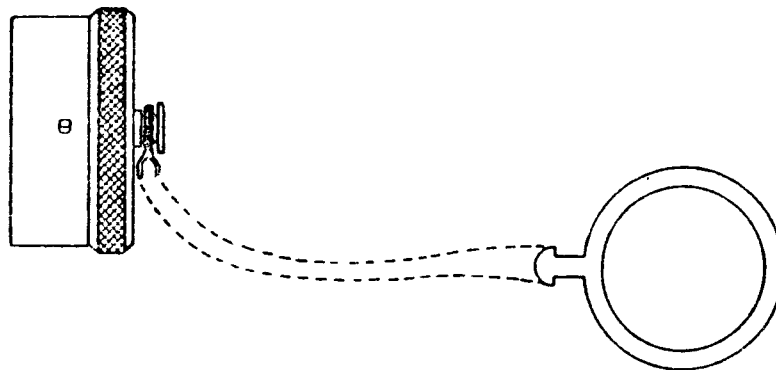


FIG 1

INTERIM DEF STAN 59-35 (PART 3)

SECTION 7/1

TABLE I(N)

TABLE I(N)

STANDARD RANGE  
ACCESSORIES

FILLER PLUG, TYPE 1 (PREFERRED)

STYLE No A2015

NSI CONTROL DRG No CC/A2015

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>SIZE | COLOUR<br>CODE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|-----------------|----------------|------------------|----------------------|--------------------------------|------|-----------|
|                        |                 |                |                  |                      | NAVY                           | ARMY | AIR FORCE |
|                        | (a)             | (b)            | (c)              | (d)                  | (e)                            | (f)  | (g)       |
| 1                      | 20              | RED            | 0.04             | 5340-99-017-1635     | 0568                           | Z32  | 10H       |
| 2                      | 16              | BLUE           | 0.13             | 5340-99-017-1636     | 0568                           | Z32  | 10H       |
| 3                      | 12              | YELLOW         | 0.14             | 5340-99-017-1637     | 0568                           | Z32  | 10H       |

Notes applicable to this Table are on page 64

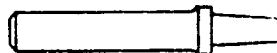


FIG 1

Note: Ordering and packaging of filler plugs see page 6, sub clause 4.2

TABLE I(P)

STANDARD RANGE  
ACCESSORIES

FILLER PLUG, TYPE 2

STYLE No A2016

NSI CONTROL DRG No CC/A2016

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>SIZE | COLOUR<br>CODE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|-----------------|----------------|------------------|----------------------|--------------------------------|------|-----------|
|                        |                 |                |                  |                      | NAVY                           | ARMY | AIR FORCE |
|                        | (a)             | (b)            | (c)              | (d)                  | (e)                            | (f)  | (g)       |
| 4                      | 20              | RED            | 0.05             | 5340-99-654-5239     | --                             | --   | --        |
| 5                      | 16              | BLUE           | 0.14             | 5340-99-654-5240     | --                             | --   | --        |
| 6                      | 12              | YELLOW         | 0.15             | 5340-99-654-5241     | --                             | --   | --        |

Notes applicable to this Table are on page 64

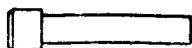


FIG 2

Note: Ordering and packaging of filler plugs see page 6, sub clause 4.2

TABLE I(Q)

STANDARD RANGE  
ACCESSORIES

FILLER PLUG TYPE 3  
STYLE No A2202  
NSI CONTROL DRG No CC/A2202

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>SIZE | COLOUR<br>CODE | MASS<br>MAX<br>g | NATO<br>STOCK NUMBER | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|-----------------|----------------|------------------|----------------------|--------------------------------|------|-----------|
|                        |                 |                |                  |                      | NAVY                           | ARMY | AIR FORCE |
|                        | (a)             | (b)            | (c)              | (d)                  | (e)                            | (f)  | (g)       |
| 1                      | 20              | RED            | 0.04             | 5340-99-015-4383     | --                             | --   | --        |
| 2                      | 16              | BLUE           | 0.10             | 5340-99-015-4384     | --                             | --   | --        |
| 3                      | 12              | YELLOW         | 0.70             | 5340-99-015-4501     | --                             | --   | --        |

Notes applicable to this Table are on page 64

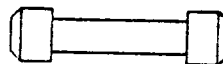


FIG 1

Note: Ordering and packaging of filler plugs see page 6, para 4.2

TABLE I(R)  
STANDARD RANGE  
ACCESSORIES

SQUARE FLANGE STOWAGE RECEPTACLE  
STYLE REF A2203  
NSI CONTROL DRG No CC/A2203

| PAGE<br>ITEM<br>NUMBER | HOUSING<br>(SHELL)<br>SIZE | NATO<br>STOCK NUMBER | SERVICE<br>MANAGEMENT<br>CODES |      |           |
|------------------------|----------------------------|----------------------|--------------------------------|------|-----------|
|                        |                            |                      | NAVY                           | ARMY | AIR FORCE |
|                        | (a)                        | (b)                  | (c)                            | (d)  | (e)       |
| 4                      | 08                         | 5935-99-015-4510     | --                             | --   | --        |
| 5                      | 10                         | 5935-99-015-4519     | --                             | --   | --        |
| 6                      | 12                         | 5935-99-015-4528     | --                             | --   | --        |
| 7                      | 14                         | 5935-99-015-4537     | --                             | --   | --        |
| 8                      | 16                         | 5935-99-015-4546     | --                             | --   | --        |
| 9                      | 18                         | 5935-99-015-4608     | --                             | --   | --        |
| 10                     | 20                         | 5935-99-015-4609     | --                             | --   | --        |
| 11                     | 22                         | 5935-99-015-4617     | --                             | --   | --        |
| 12                     | 24                         | 5935-99-015-4618     | --                             | --   | --        |

Notes applicable to this Table are on page 64

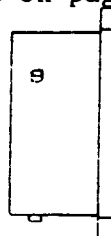
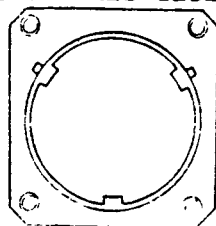


FIG 2

TABLE II(A)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
PLUGS AND SOCKETS ELECTRICAL, PATTERN 105  
FIXED, FEMALE SHELL, FLANGE MOUNTING

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1                      | 8 - 33                 | W                | CC/C1301/6                           | CC 1301-8-33PW                             | 012-8824                                     | CC/C1301/15                          | CC 1301-8-33SW                             | 012-8844                                     | 12                  |
| 2                      | 10 - 6                 | W                | CC/C1301/60                          | CC 1301-10-6PW                             | 012-9150                                     | CC/C1301/69                          | CC 1301-10-6SW                             | 012-9180                                     | 16                  |
| 3                      | 12 - 3                 | Y                | CC/C1301/80                          | CC 1301-12-3PY                             | 012-8866                                     | CC/C1301/89                          | CC 1301-12-3SY                             | 012-8896                                     | 22                  |
| 4<br>5<br>6<br>7       | 12 - 10                | W<br>X<br>Y<br>Z | CC/C1301/96<br>/97<br>/98<br>/99     | CC 1301-12-10PW<br>-10PX<br>-10PY<br>-10PZ | 012-9300<br>012-9301<br>012-9302<br>012-9303 | CC/C1301/105<br>/106<br>/107<br>/108 | CC 1301-12-10SW<br>-10SX<br>-10SY<br>-10SZ | 012-9345<br>012-9346<br>012-9347<br>012-9348 | 22                  |
| 8<br>9                 | 14 - 2                 | W<br>X           | CC/C1301/348<br>/349                 | CC 1301-14-2PW<br>-2PX                     | 014-7238<br>014-7239                         | CC/C1301/357<br>/358                 | CC 1301-14-2SW<br>-2SX                     | 014-7280<br>014-7281                         | 29                  |
| 10<br>11<br>12<br>13   | 14 - 5                 | W<br>X<br>Y<br>Z | CC/C1301/114<br>/115<br>/116<br>/117 | CC 1301-14-5PW<br>-5PX<br>-5PY<br>-5PZ     | 012-8926<br>012-8927<br>012-8928<br>012-8929 | CC/C1301/123<br>/124<br>/125<br>/126 | CC 1301-14-5SW<br>-5SX<br>-5SY<br>-5SZ     | 012-8971<br>012-8972<br>012-8973<br>012-8974 | 29                  |
| 14<br>15               | 14 - 12                | W<br>X           | CC/C1301/132<br>/133                 | CC 1301-14-12PW<br>-12PX                   | 012-9480<br>012-9481                         | CC/C1301/141<br>/142                 | CC 1301-14-12SW<br>-12SX                   | 012-9515<br>012-9516                         | 29                  |
| 16<br>17<br>18         | 14 - 19                | W<br>X<br>Y      | CC/C1301/150<br>151<br>152           | CC 1301-14-19PW<br>-19PX<br>-19PY          | 012-9640<br>012-9641<br>012-9642             | CC/C1301/159<br>/160<br>/161         | CC 1301-14-19SW<br>-19SX<br>-19SY          | 012-9680<br>012-9681<br>012-9682             | 29                  |
| 19                     | 14 - 22                | W                | CC/C1301/366                         | CC 1301-14-22FW                            | 014-7322                                     | CC/C1301/375                         | CC 1301-14-22SW                            | 014-7358                                     | 29                  |

INTERIM DEF STAN 59-35 (PART 3)  
 SECTION 7/1  
 TABLE II(A)

TABLE II(A) - CONTINUED

| PAGE<br>ITEM<br>NUMBER   | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|--------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                          |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         |                     |
|                          | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2<br>3<br>4         | 16 - 8                 | W<br>X<br>Y<br>Z      | CC/C1301/168<br>/169<br>/170<br>/171         | CC 1301-16-8PW<br>-8PX<br>-8PY<br>-8PZ         | 012-9210<br>012-9211<br>012-9212<br>012-9213             | CC/C1301/177<br>/178<br>/179<br>/180         | CC 1301-16-8SW<br>-8SX<br>-8SY<br>-8SZ         | 012-9255<br>012-9256<br>012-9257<br>012-9258             | 36                  |
| 5<br>6<br>7              | 16 - 26                | W<br>X<br>Y           | CC/C1301/186<br>/188<br>/189                 | CC 1301-16-26PW<br>-26PX<br>-26PY              | 012-9810<br>012-9811<br>012-9812                         | CC/C1301/195<br>/197<br>/198                 | CC 1301-16-26SW<br>-26SX<br>-26SY              | 012-9850<br>012-9851<br>012-9852                         | 36                  |
| 8<br>9<br>10<br>11<br>12 | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1301/379<br>/380<br>/381<br>/382<br>/383 | CC 1301-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7390<br>014-7391<br>014-7392<br>014-7393<br>014-7394 | CC/C1301/388<br>/389<br>/190<br>/191<br>/192 | CC 1301-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7420<br>014-7421<br>014-7422<br>014-7423<br>014-7424 | 43                  |
| 13<br>14<br>15<br>16     | 18 - 11                | W<br>X<br>Y<br>Z      | CC/C1301/204<br>/205<br>/206<br>/207         | CC 1301-18-11PW<br>-11PX<br>-11PY<br>-11PZ     | 012-9390<br>012-9391<br>012-9392<br>012-9393             | CC/C1301/213<br>/214<br>/215<br>/216         | CC 1301-18-11SW<br>-11SX<br>-11SY<br>-11SZ     | 012-9435<br>012-9436<br>012-9437<br>012-9438             | 43                  |
| 17<br>18<br>19<br>20     | 18 - 32                | W<br>X<br>Y<br>Z      | CC/C1301/222<br>223<br>224<br>225            | CC 1301-18-32PW<br>-32PX<br>-32PY<br>-32PZ     | 012-9890<br>012-9891<br>012-9892<br>012-9893             | CC/C1301/231<br>/232<br>/233<br>/234         | CC 1301-18-32SW<br>-32SX<br>-32SY<br>-32SZ     | 012-9935<br>012-9936<br>012-9937<br>012-9938             | 43                  |
| 21<br>22<br>23<br>24     | 20 - 16                | W<br>X<br>Y<br>Z      | CC/C1301/240<br>/241<br>/242<br>/243         | CC 1301-20-16PW<br>-16PX<br>-16PY<br>-16PZ     | 012-9550<br>012-9551<br>012-9552<br>012-9553             | CC/C1301/249<br>/250<br>/251<br>/252         | CC 1301-20-16SW<br>-16SX<br>-16SY<br>-16SZ     | 012-9595<br>012-9596<br>012-9597<br>012-9598             | 65                  |

TABLE II(A) - CONTINUED

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1<br>2<br>3            | 20 - 41                | W<br>X<br>Y      | CC/C1301/258<br>/259<br>/260         | CC 1301-20-41PW<br>-41PX<br>-41PY          | 012-9980<br>012-9981<br>012-9982             | CC/C1301/267<br>/268<br>/269         | CC 1301-20-41SW<br>-41SX<br>-41SY          | 013-0020<br>013-0021<br>013-0022             | 65                  |
| 4<br>5<br>6<br>7       | 22 - 21                | W<br>X<br>Y<br>Z | CC/C1301/276<br>/277<br>/278<br>/279 | CC 1301-22-21PW<br>-21PX<br>-21PY<br>-21PZ | 012-9720<br>012-9721<br>012-9722<br>012-9723 | CC/C1301/285<br>/286<br>/287<br>/288 | CC 1301-22-21SW<br>-21SX<br>-21SY<br>-21SZ | 012-9765<br>012-9766<br>012-9767<br>012-9768 | 78                  |
| 8<br>9<br>10<br>11     | 22 - 55                | W<br>X<br>Y<br>Z | CC/C1301/294<br>/295<br>/296<br>/297 | CC 1301-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0060<br>013-0061<br>013-0062<br>013-0063 | CC/C1301/303<br>/304<br>/305<br>/306 | CC 1301-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0105<br>013-0106<br>013-0107<br>013-0108 | 78                  |
| 12<br>13<br>14<br>15   | 24 - 61                | W<br>X<br>Y<br>Z | CC/C1301/312<br>/313<br>/314<br>/315 | CC 1301-24-61PW<br>-61PX<br>-61PY<br>-61PZ | 013-0150<br>013-0151<br>013-0152<br>013-0153 | CC/C1301/321<br>/322<br>/323<br>/324 | CC 1301-24-61SW<br>-61SX<br>-61SY<br>-61SZ | 013-0195<br>013-0196<br>013-0197<br>013-0198 | 88                  |

TABLE II(B)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
PLUGS AND SOCKETS ELECTRICAL, PATTERN 105  
FIXED, FEMALE SHELL, WITH GROMMET SEAL, FLANGE MOUNTING

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1                      | 8 - 33                 | W                | CC/C1302/6                           | CC 1302-8-33PW                             | 012-8828                                     | CC/C1302/15                          | CC 1302-8-33SW                             | 012-8848                                     | 17                  |
| 2                      | 10 - 6                 | W                | CC/C1302/60                          | CC 1302-10-6PW                             | 012-9150                                     | CC/C1302/69                          | CC 1302-10-6SW                             | 012-9180                                     | 16                  |
| 3                      | 12 - 3                 | Y                | CC/C1302/80                          | CC 1302-12-3PY                             | 012-8872                                     | CC/C1302/89                          | CC 1302-12-3SY                             | 012-8902                                     | 30                  |
| 4<br>5<br>6<br>7       | 12 - 10                | W<br>X<br>Y<br>Z | CC/C1302/96<br>/97<br>/98<br>/99     | CC 1302-12-10PW<br>-10PX<br>-10PY<br>-10PZ | 012-9309<br>012-9310<br>012-9311<br>012-9312 | CC/C1302/105<br>/106<br>/107<br>/108 | CC 1302-12-10SW<br>-10SX<br>-10SY<br>-10SZ | 012-9354<br>012-9355<br>012-9356<br>012-9357 | 30                  |
| 8<br>9                 | 14 - 2                 | W<br>X           | CC/C1302/348<br>/349                 | CC 1302-14-2PW<br>-2PX                     | 014-7245<br>014-7246                         | CC/C1302/357<br>/358                 | CC 1302-14-2SW<br>-2SX                     | 014-7287<br>014-7288                         | 38                  |
| 10<br>11<br>12<br>13   | 14 - 5                 | W<br>X<br>Y<br>Z | CC/C1302/114<br>/115<br>/116<br>/117 | CC 1302-14-5PW<br>-5PX<br>-5PY<br>-5PZ     | 012-8935<br>012-8936<br>012-8937<br>012-8938 | CC/C1302/123<br>/124<br>/125<br>/126 | CC 1302-14-5SW<br>-5SX<br>-5SY<br>-5SZ     | 012-8980<br>012-8981<br>012-8982<br>012-8983 | 38                  |
| 14<br>15               | 14 - 12                | W<br>X           | CC/C1302/132<br>/133                 | CC 1302-14-12PW<br>-12PX                   | 012-9487<br>012-9488                         | CC/C1302/141<br>/142                 | CC 1302-14-12SW<br>-12SX                   | 012-9522<br>012-9523                         | 20                  |
| 16<br>17<br>18         | 14 - 19                | W<br>X<br>Y      | CC/C1302/150<br>151<br>152           | CC 1302-14-19PW<br>-19PX<br>-19PY          | 012-9648<br>012-9649<br>012-9650             | CC/C1302/159<br>/160<br>/161         | CC 1302-14-19SW<br>-19SX<br>-19SY          | 012-9688<br>012-9689<br>012-9690             | 38                  |
| 19                     | 14 - 22                | W                | CC/C1302/366                         | CC 1302-14-22PW                            | 014-7328                                     | CC/C1302/375                         | CC 1302-14-22SW                            | 014-7364                                     | 38                  |

TABLE II(B) - CONTINUED

| PAGE<br>ITEM<br>NUMBER   | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|--------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                          |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         |                     |
|                          | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2<br>3<br>4         | 16 - 8                 | W<br>X<br>Y<br>Z      | CC/C1302/168<br>/169<br>/170<br>/171         | CC 1302-16-8PW<br>-8PX<br>-8PY<br>-8PZ         | 012-9219<br>012-9220<br>012-9221<br>012-9222             | CC/C1302/177<br>/178<br>/179<br>/180         | CC 1302-16-8SW<br>-8SX<br>-8SY<br>-8SZ         | 012-9264<br>012-9265<br>012-9266<br>012-9267             | 48                  |
| 5<br>6<br>7              | 16 - 26                | W<br>X<br>Y           | CC/C1302/186<br>/188<br>/189                 | CC 1302-16-26PW<br>-26PX<br>-26PY              | 012-9818<br>012-9819<br>012-9820                         | CC/C1302/195<br>/197<br>/198                 | CC 1302-16-26SW<br>-26SX<br>-26SY              | 012-9858<br>012-9859<br>012-9860                         | 48                  |
| 8<br>9<br>10<br>11<br>12 | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1302/379<br>/380<br>/381<br>/382<br>/383 | CC 1302-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7395<br>014-7396<br>014-7397<br>014-7398<br>014-7399 | CC/C1302/388<br>/389<br>/390<br>/391<br>/392 | CC 1302-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7425<br>014-7426<br>014-7427<br>014-7428<br>014-7429 | 57                  |
| 13<br>14<br>15<br>16     | 18 - 11                | W<br>X<br>Y<br>Z      | CC/C1302/204<br>/205<br>/206<br>/207         | CC 1302-18-11PW<br>-11PX<br>-11PY<br>-11PZ     | 012-9399<br>012-9400<br>012-9401<br>012-9402             | CC/C1302/213<br>/214<br>/215<br>/216         | CC 1302-18-11SW<br>-11SX<br>-11SY<br>-11SZ     | 012-9444<br>012-9445<br>012-9446<br>012-9447             | 57                  |
| 17<br>18<br>19<br>20     | 18 - 32                | W<br>X<br>Y<br>Z      | CC/C1302/222<br>223<br>224<br>225            | CC 1302-18-32PW<br>-32PX<br>-32PY<br>-32PZ     | 012-9899<br>012-9900<br>012-9901<br>012-9902             | CC/C1302/231<br>/232<br>/233<br>/234         | CC 1302-18-32SW<br>-32SX<br>-32SY<br>-32SZ     | 012-9944<br>012-9945<br>012-9946<br>012-9947             | 83                  |
| 21<br>22<br>23<br>24     | 20 - 16                | W<br>X<br>Y<br>Z      | CC/C1302/240<br>/241<br>/242<br>/243         | CC 1302-20-16PW<br>-16PX<br>-16PY<br>-16PZ     | 012-9559<br>012-9560<br>012-9561<br>012-9562             | CC/C1302/249<br>/250<br>/251<br>/252         | CC 1302-20-16SW<br>-16SX<br>-16SY<br>-16SZ     | 012-9604<br>012-9605<br>012-9606<br>012-9607             | 83                  |

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE II(B) (CONT'D)

TABLE II(B) - CONTINUED

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1<br>2<br>3            | 20 - 41                | W<br>X<br>Y      | CC/C1302/258<br>/259<br>/260         | CC 1302-20-41PW<br>-41FX<br>-41PY          | 012-9988<br>012-9989<br>012-9990             | CC/C1302/267<br>/268<br>/269         | CC 1302-20-41SW<br>-41SX<br>-41SY          | 013-0028<br>013-0029<br>013-0030             | 83                  |
| 4<br>5<br>6<br>7       | 22 - 21                | W<br>X<br>Y<br>Z | CC/C1302/276<br>/277<br>/278<br>/279 | CC 1302-22-21PW<br>-21PX<br>-21PY<br>-21PZ | 012-9729<br>012-9730<br>012-9731<br>012-9732 | CC/C1302/285<br>/286<br>/287<br>/288 | CC 1302-22-21SW<br>-21SX<br>-21SY<br>-21SZ | 012-9774<br>012-9775<br>012-9776<br>012-9777 | 98                  |
| 8<br>9<br>10<br>11     | 22 - 55                | W<br>X<br>Y<br>Z | CC/C1302/294<br>/295<br>/296<br>/297 | CC 1302-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0069<br>013-0070<br>013-0071<br>013-0072 | CC/C1302/303<br>/304<br>/305<br>/306 | CC 1302-22-55SW<br>-55SX<br>-55SY<br>-55SZ | 013-0114<br>013-0115<br>013-0116<br>013-0117 | 98                  |
| 12<br>13<br>14<br>15   | 24 - 61                | W<br>X<br>Y<br>Z | CC/C1302/312<br>/313<br>/314<br>/315 | CC 1302-24-61PW<br>-61PX<br>-61PY<br>-61PZ | 013-0159<br>013-0160<br>013-0161<br>013-0162 | CC/C1302/321<br>/322<br>/323<br>/324 | CC 1302-24-61SW<br>-61SX<br>-61SY<br>-61SZ | 013-0204<br>013-0205<br>013-0206<br>013-0207 | 90                  |

TABLE II(C)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
PLUGS AND SOCKETS ELECTRICAL, PATTERN 105  
FIXED, FEMALE SHELL, SQUARE FLANGE MOUNTING

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1                      | 8 - 33                 | W                | CC/C1303/6                           | CC 1303-8-33PW                             | 012-8832                                     | CC/C1303/15                          | CC 1303-8-33SW                             | 012-8852                                     | 7                   |
| 2                      | 10 - 6                 | W                | CC/C1303/60                          | CC 1303-10-6PW                             | 012-9162                                     | CC/C1303/69                          | CC 1303-10-6SW                             | 012-9192                                     | 10                  |
| 3                      | 12 - 3                 | Y                | CC/C1303/80                          | CC 1303-12-3PY                             | 012-8878                                     | CC/C1303/89                          | CC 1303-12-3SY                             | 012-8908                                     | 14                  |
| 4<br>5<br>6<br>7       | 12 - 10                | W<br>X<br>Y<br>Z | CC/C1303/96<br>/97<br>/98<br>/99     | CC 1303-12-10PW<br>-10PX<br>-10PY<br>-10PZ | 012-9318<br>012-9319<br>012-9320<br>012-9321 | CC/C1303/105<br>/106<br>/107<br>/108 | CC 1303-12-10SW<br>-10SX<br>-10SY<br>-10SZ | 012-9363<br>012-9364<br>012-9365<br>012-9366 | 14                  |
| 8<br>9                 | 14 - 2                 | W<br>X           | CC/C1303/348<br>/349                 | CC 1303-14-2PW<br>-2PX                     | 014-7252<br>014-7253                         | CC/C1303/357<br>/358                 | CC 1303-14-2SW<br>-2SX                     | 014-7294<br>014-7295                         | 20                  |
| 10<br>11<br>12<br>13   | 14 - 5                 | W<br>X<br>Y<br>Z | CC/C1303/114<br>/115<br>/116<br>/117 | CC 1303-14-5PW<br>-5PX<br>-5PY<br>-5PZ     | 012-8944<br>012-8945<br>012-8946<br>012-8947 | CC/C1303/123<br>/124<br>/125<br>/126 | CC 1303-14-5SW<br>-5SX<br>-5SY<br>-5SZ     | 012-8989<br>012-8990<br>012-8991<br>012-8992 | 20                  |
| 14<br>15               | 14 - 12                | W<br>X           | CC/C1303/132<br>/133                 | CC 1303-14-12PW<br>-12PX                   | 012-9494<br>012-9495                         | CC/C1303/141<br>/142                 | CC 1303-14-12SW<br>-12SX                   | 012-9529<br>012-9530                         | 20                  |
| 16<br>17<br>18         | 14 - 19                | W<br>X<br>Y      | CC/C1303/150<br>151<br>152           | CC 1303-14-19PW<br>-19PX<br>-19PY          | 012-9656<br>012-9657<br>012-9658             | CC/C1303/159<br>/160<br>/161         | CC 1303-14-19SW<br>-19SX<br>-19SY          | 012-9696<br>012-9697<br>012-9698             | 20                  |
| 19                     | 14 - 22                | W                | CC/C1303/366                         | CC 1303-14-22PW                            | 014-7334                                     | CC/C1303/375                         | CC 1202-14-22SW                            | 014-7370                                     | 20                  |

INTERIM DEF STAN 59-35 (PART 3)  
 SECTION 7/1  
 TABLE II(C)

TABLE II(C) - CONTINUED

| PAGE<br>ITEM<br>NUMBER   | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|--------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                          |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         |                     |
|                          | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2<br>3<br>4         | 16 - 8                 | W<br>X<br>Y<br>Z      | CC/C1303/168<br>/169<br>/170<br>/171         | CC 1303-16-8PW<br>-8PX<br>-8PY<br>-8PZ         | 012-9228<br>012-9229<br>012-9230<br>012-9231             | CC/C1303/177<br>/178<br>/179<br>/180         | CC 1303-16-8SW<br>-8SX<br>-8SY<br>-8SZ         | 012-9273<br>012-9274<br>012-9275<br>012-9276             | 25                  |
| 5<br>6<br>7              | 16 - 26                | W<br>X<br>Y           | CC/C1303/186<br>/188<br>/189                 | CC 1303-16-26PW<br>-26PX<br>-26PY              | 012-9826<br>012-9827<br>012-9828                         | CC/C1303/195<br>/197<br>/198                 | CC 1303-16-26SW<br>-26SX<br>-26SY              | 012-9866<br>012-9867<br>012-9868                         | 25                  |
| 8<br>9<br>10<br>11<br>12 | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1303/379<br>/380<br>/381<br>/382<br>/383 | CC 1303-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7400<br>014-7401<br>014-7402<br>014-7403<br>014-7404 | CC/C1303/388<br>/389<br>/390<br>/391<br>/392 | CC 1303-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7430<br>014-7431<br>014-7432<br>014-7433<br>014-7434 | 30                  |
| 13<br>14<br>15<br>16     | 18 - 11                | W<br>X<br>Y<br>Z      | CC/C1303/204<br>/205<br>/206<br>/207         | CC 1302-18-11PW<br>-11PX<br>-11PY<br>-11PZ     | 012-9408<br>012-9409<br>012-9410<br>012-9411             | CC/C1303/213<br>/214<br>/215<br>/216         | CC 1303-18-11SW<br>-11SX<br>-11SY<br>-11SZ     | 012-9453<br>012-9454<br>012-9455<br>012-9456             | 30                  |
| 17<br>18<br>19<br>20     | 18 - 32                | W<br>X<br>Y<br>Z      | CC/C1303/222<br>223<br>224<br>225            | CC 1303-18-32PW<br>-32PX<br>-32PY<br>-32PZ     | 012-9908<br>012-9909<br>012-9910<br>012-9911             | CC/C1303/231<br>/232<br>/233<br>/234         | CC 1303-18-32SW<br>-32SX<br>-32SY<br>-32SZ     | 012-9953<br>012-9954<br>012-9955<br>012-9956             | 30                  |
| 21<br>22<br>23<br>24     | 20 - 16                | W<br>X<br>Y<br>Z      | CC/C1303/240<br>/241<br>/242<br>/243         | CC 1303-20-16PW<br>-16PX<br>-16PY<br>-16PZ     | 012-9568<br>012-9569<br>012-9570<br>012-9571             | CC/C1303/249<br>/250<br>/251<br>/252         | CC 1303-20-16SW<br>-16SX<br>-16SY<br>-16SZ     | 012-9613<br>012-9614<br>012-9615<br>012-9616             | 47                  |

TABLE II(C) - CONTINUED

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1<br>2<br>3            | 20 - 41                | W<br>X<br>Y      | CC/C1303/258<br>/259<br>/260         | CC 1303-20-41PW<br>-41PX<br>-41PY          | 012-9996<br>012-9997<br>012-9998             | CC/C1303/267<br>/268<br>/269         | CC 1303-20-41SW<br>-41SX<br>-41SY          | 013-0036<br>013-0037<br>013-0038             | 47                  |
| 4<br>5<br>6<br>7       | 22 - 21                | W<br>X<br>Y<br>Z | CC/C1303/276<br>/277<br>/278<br>/279 | CC 1303-22-21PW<br>-21PX<br>-21PY<br>-21PZ | 012-9738<br>012-9739<br>012-9740<br>012-9741 | CC/C1303/285<br>/286<br>/287<br>/288 | CC 1303-22-21SW<br>-21SX<br>-21SY<br>-21SZ | 012-9783<br>012-9784<br>012-9785<br>012-9786 | 58                  |
| 8<br>9<br>10<br>11     | 22 - 55                | W<br>X<br>Y<br>Z | CC/C1303/294<br>/295<br>/296<br>/297 | CC 1303-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0078<br>013-0079<br>013-0080<br>013-0081 | CC/C1303/303<br>/304<br>/305<br>/306 | CC 1303-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0123<br>013-0124<br>013-0125<br>013-0126 | 58                  |
| 12<br>13<br>14<br>15   | 24 - 61                | W<br>X<br>Y<br>Z | CC/C1303/312<br>/313<br>/314<br>/315 | CC 1303-24-61PW<br>-61PX<br>-61PY<br>-61PZ | 013-0168<br>013-0169<br>013-0170<br>013-0171 | CC/C1303/321<br>/322<br>/323<br>/324 | CC 1303-24-61SW<br>-61SX<br>-61SY<br>-61SZ | 013-0213<br>013-0214<br>013-0215<br>013-0216 | 68                  |

TABLE II(D)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
PLUGS AND SOCKETS ELECTRICAL, PATTERN 105  
FREE, FEMALE SHELL WITH ACCESSORY THREAD

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99              | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99              |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1                      | 8 - 33                 | W                | CC/C1304/6                           | CC 1304-8-33PW                             | 012-8836                                     | CC/C1304/15                          | CC 1304-8-33SW                             | 012-9956                                     | 8                   |
| 2                      | 10 - 6                 | W                | CC/C1304/60                          | CC 1304-10-6PW                             | 012-9168                                     | CC/C1304/69                          | CC 1304-10-6SW                             | 012-9198                                     | 11                  |
| 3                      | 12 - 3                 | Y                | CC/C1304/80                          | CC 1304-12-3PY                             | 012-8884                                     | CC/C1304/89                          | CC 1304-12-3SY                             | 012-8914                                     | 15                  |
| 4<br>5<br>6<br>7       | 12 - 10                | W<br>X<br>Y<br>Z | CC/C1304/96<br>/97<br>/98<br>/99     | CC 1304-12-10PW<br>-10PX<br>-10PY<br>-10PZ | 012-9327<br>012-9328<br>012-9329<br>012-9330 | CC/C1304/105<br>/106<br>/107<br>/108 | CC 1304-12-10SW<br>-10SX<br>-10SY<br>-10SZ | 012-9372<br>012-9373<br>012-9374<br>012-9375 | 15                  |
| 8<br>9                 | 14 - 2                 | W<br>X           | CC/C1304/348<br>/349                 | CC 1304-14-2PW<br>-2PX                     | 014-7259<br>014-7260                         | CC/C1304/357<br>/358                 | CC 1304-14-2SW<br>-2SX                     | 014-7301<br>014-7302                         | 21                  |
| 10<br>11<br>12<br>13   | 14 - 5                 | W<br>X<br>Y<br>Z | CC/C1304/114<br>/115<br>/116<br>/117 | CC 1304-14-5PW<br>-5PX<br>-5PY<br>-5PZ     | 012-8953<br>012-8954<br>012-8955<br>012-8956 | CC/C1304/123<br>/124<br>/125<br>/126 | CC 1304-14-5SW<br>-5SX<br>-5SY<br>-5SZ     | 012-8998<br>012-8999<br>012-9134<br>012-9135 | 21                  |
| 14<br>15               | 14 - 12                | W<br>X           | CC/C1304/132<br>/133                 | CC 1304-14-12PW<br>-12PX                   | 012-9501<br>012-9502                         | CC/C1304/141<br>/142                 | CC 1304-14-12SW<br>-12SX                   | 012-9536<br>012-9537                         | 21                  |
| 16<br>17<br>18         | 14 - 19                | W<br>X<br>Y      | CC/C1304/150<br>151<br>152           | CC 1304-14-19PW<br>-19PX<br>-19PY          | 012-9664<br>012-9665<br>012-9666             | CC/C1304/159<br>/160<br>/161         | CC 1304-14-19SW<br>-19SX<br>-19SY          | 012-9704<br>012-9705<br>012-9706             | 21                  |
| 19                     | 14 - 22                | W                | CC/C1304/366                         | CC 1304-14-22PW                            | 014-7340                                     | CC/C1304/375                         | CC 1304-14-22SW                            | 014-7376                                     | 21                  |

TABLE II(D) - CONTINUED

| PAGE<br>ITEM<br>NUMBER   | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|--------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                          |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         |                     |
|                          | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2<br>3<br>4         | 16 - 8                 | W<br>X<br>Y<br>Z      | CC/C1303/168<br>/169<br>/170<br>/171         | CC 1304-16-8PW<br>-8PX<br>-8PY<br>-8PZ         | 012-9237<br>012-9238<br>012-9239<br>012-9240             | CC/C1304/177<br>/178<br>/179<br>/180         | CC 1304-16-8SW<br>-8SX<br>-8SY<br>-8SZ         | 012-9282<br>012-9283<br>012-9284<br>012-9285             | 26                  |
| 5<br>6<br>7              | 16 - 26                | W<br>X<br>Y           | CC/C1304/186<br>/188<br>/189                 | CC 1304-16-26PW<br>-26PX<br>-26PY              | 012-9834<br>012-9835<br>012-9836                         | CC/C1304/195<br>/197<br>/198                 | CC 1304-16-26SW<br>-26SX<br>-26SY              | 012-9874<br>012-9875<br>012-9876                         | 26                  |
| 8<br>9<br>10<br>11<br>12 | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1304/379<br>/380<br>/381<br>/382<br>/383 | CC 1304-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7405<br>014-7406<br>014-7407<br>014-7408<br>014-7409 | CC/C1304/388<br>/389<br>/390<br>/391<br>/392 | CC 1304-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7435<br>014-7436<br>014-7437<br>014-7438<br>014-7439 | 31                  |
| 13<br>14<br>15<br>16     | 18 - 11                | W<br>X<br>Y<br>Z      | CC/C1304/204<br>/205<br>/206<br>/207         | CC 1304-18-11PW<br>-11PX<br>-11PY<br>-11PZ     | 012-9417<br>012-9418<br>012-9419<br>012-9420             | CC/C1304/213<br>/214<br>/215<br>/216         | CC 1304-18-11SW<br>-11SX<br>-11SY<br>-11SZ     | 012-9462<br>012-9463<br>012-9464<br>012-9465             | 31                  |
| 17<br>18<br>19<br>20     | 18 - 32                | W<br>X<br>Y<br>Z      | CC/C1304/222<br>223<br>224<br>225            | CC 1304-18-32PW<br>-32PX<br>-32PY<br>-32PZ     | 012-9917<br>012-9918<br>012-9919<br>012-9920             | CC/C1304/231<br>/232<br>/233<br>/234         | CC 1304-18-32SW<br>-32SX<br>-32SY<br>-32SZ     | 012-9962<br>012-9963<br>012-9964<br>012-9965             | 31                  |
| 21<br>22<br>23<br>24     | 20 - 16                | W<br>X<br>Y<br>Z      | CC/C1304/240<br>/241<br>/242<br>/243         | CC 1304-20-16PW<br>-16PX<br>-16PY<br>-16PZ     | 012-9577<br>012-9578<br>012-9579<br>012-9580             | CC/C1304/249<br>/250<br>/251<br>/252         | CC 1304-20-16SW<br>-16SX<br>-16SY<br>-16SZ     | 012-9622<br>012-9623<br>012-9624<br>012-9625             | 48                  |

TABLE II(D) - CONTINUED

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1<br>2<br>3            | 20 - 41                | W<br>X<br>Y      | CC/C1304/258<br>/259<br>/260         | CC 1304-20-41PW<br>-41PX<br>-41PY          | 013-0004<br>013-0005<br>013-0006             | CC/C1304/267<br>/268<br>/269         | CC 1304-20-41SW<br>-41SX<br>-41SY          | 013-0044<br>013-0045<br>013-0046             | 48                  |
| 4<br>5<br>6<br>7       | 22 - 21                | W<br>X<br>Y<br>Z | CC/C1304/276<br>/277<br>/278<br>/279 | CC 1304-22-21PW<br>-21PX<br>-21PY<br>-21PZ | 012-9747<br>012-9748<br>012-9749<br>012-9750 | CC/C1304/285<br>/286<br>/287<br>/288 | CC 1304-22-21SW<br>-21SX<br>-21SY<br>-21SZ | 012-9792<br>012-9793<br>012-9794<br>012-9795 | 59                  |
| 8<br>9<br>10<br>11     | 22 - 55                | W<br>X<br>Y<br>Z | CC/C1304/294<br>/295<br>/296<br>/297 | CC 1304-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0087<br>013-0088<br>013-0089<br>013-0090 | CC/C1304/303<br>/304<br>/305<br>/306 | CC 1304-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0132<br>013-0133<br>013-0134<br>013-0135 | 59                  |
| 12<br>13<br>14<br>15   | 24 - 61                | W<br>X<br>Y<br>Z | CC/C1304/312<br>/313<br>/314<br>/315 | CC 1304-24-61PW<br>-61PX<br>-61PY<br>-61PZ | 013-0177<br>013-0178<br>013-0179<br>013-0180 | CC/C1304/321<br>/322<br>/323<br>/324 | CC 1304-24-61SW<br>-61SX<br>-61SY<br>-61SZ | 013-0222<br>013-0223<br>013-0224<br>013-0225 | 69                  |

**TABLE II(E)**  
**ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES**  
**PLUGS AND SOCKETS ELECTRICAL, PATTERN 105**  
**FREE, MALE SHELL WITH ACCESSORY THREAD**

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1                      | 8 - 33                 | W                | CC/C1305/6                           | CC 1305-8-33PW                             | 012-8840                                     | CC/C1305/15                          | CC 1305-8-33SW                             | 012-8850                                     | 9                   |
| 2                      | 10 - 6                 | W                | CC/C1305/60                          | CC 1305-10-6PW                             | 012-9174                                     | CC/C1305/69                          | CC 1305-10-6SW                             | 012-9204                                     | 13                  |
| 3                      | 12 - 3                 | Y                | CC/C1305/80                          | CC 1305-12-3PY                             | 012-8890                                     | CC/C1305/89                          | CC 1305-12-3SY                             | 012-8920                                     | 18                  |
| 4<br>5<br>6<br>7       | 12 - 10                | W<br>X<br>Y<br>Z | CC/C1305/96<br>/97<br>/98<br>/99     | CC 1305-12-10PW<br>-10PX<br>-10PY<br>-10PZ | 012-9336<br>012-9337<br>012-9338<br>012-9339 | CC/C1305/105<br>/106<br>/107<br>/108 | CC 1305-12-10SW<br>-10SX<br>-10SY<br>-10SZ | 012-9381<br>012-9382<br>012-9383<br>012-9384 | 18                  |
| 8<br>9                 | 14 - 2                 | W<br>X           | CC/C1305/348<br>/349                 | CC 1305-14-2PW<br>-2PX                     | 014-7266<br>014-7267                         | CC/C1305/357<br>/358                 | CC 1305-14-2SW<br>-2SX                     | 014-7308<br>014-7309                         | 25                  |
| 10<br>11<br>12<br>13   | 14 - 5                 | W<br>X<br>Y<br>Z | CC/C1305/114<br>/115<br>/116<br>/117 | CC 1305-14-5PW<br>-5PX<br>-5PY<br>-5PZ     | 012-8962<br>012-8963<br>012-8964<br>012-8965 | CC/C1305/123<br>/124<br>/125<br>/126 | CC 1305-14-5SW<br>-5SX<br>-5SY<br>-5SZ     | 012-9141<br>012-9142<br>012-9143<br>012-9144 | 25                  |
| 14<br>15               | 14 - 12                | W<br>X           | CC/C1305/132<br>/133                 | CC 1305-14-12PW<br>-12PX                   | 012-9508<br>012-9509                         | CC/C1305/141<br>/142                 | CC 1305-14-12SW<br>-12SX                   | 012-9543<br>012-9544                         | 25                  |
| 16<br>17<br>18         | 14 - 19                | W<br>X<br>Y      | CC/C1305/150<br>151<br>152           | CC 1305-14-19PW<br>-19PX<br>-19PY          | 012-9672<br>012-9673<br>012-9674             | CC/C1305/159<br>/160<br>/161         | CC 1305-14-19SW<br>-19SX<br>-19SY          | 012-9712<br>012-9713<br>012-9714             | 25                  |
| 19                     | 14 - 22                | W                | CC/C1305/366                         | CC 1305-14-22PW                            | 014-7346                                     | CC/C1305/375                         | CC 1305-14-22SW                            | 014-7382                                     | 25                  |

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE II(E)

TABLE II(E) - CONTINUED

| PAGE<br>ITEM<br>NUMBER   | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|--------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                          |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99-                         |                     |
|                          | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2<br>3<br>4         | 16 - 8                 | W<br>X<br>Y<br>Z      | CC/C1305/168<br>/169<br>/170<br>/171         | CC 1305-16-8PW<br>-8PX<br>-8PY<br>-8PZ         | 012-9246<br>012-9247<br>012-9248<br>012-9249             | CC/C1305/177<br>/178<br>/179<br>/180         | CC 1305-16-8SW<br>-8SX<br>-8SY<br>-8SZ         | 012-9291<br>012-9292<br>012-9293<br>012-9294             | 31                  |
| 5<br>6<br>7              | 16 - 26                | W<br>X<br>Y           | CC/C1305/186<br>/188<br>/189                 | CC 1305-16-26PW<br>-26PX<br>-26PY              | 012-9842<br>012-9843<br>012-9844                         | CC/C1305/195<br>/197<br>/198                 | CC 1305-16-26SW<br>-26SX<br>-26SY              | 012-9882<br>012-9883<br>012-9884                         | 31                  |
| 8<br>9<br>10<br>11<br>12 | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1305/379<br>/380<br>/381<br>/382<br>/383 | CC 1305-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7410<br>014-7411<br>014-7412<br>014-7413<br>014-7414 | CC/C1305/388<br>/389<br>/390<br>/391<br>/392 | CC 1305-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7440<br>014-7441<br>014-7442<br>014-7443<br>014-7444 | 38                  |
| 13<br>14<br>15<br>16     | 18 - 11                | W<br>X<br>Y<br>Z      | CC/C1305/204<br>/205<br>/206<br>/207         | CC 1305-18-11PW<br>-11PX<br>-11PY<br>-11PZ     | 014-9426<br>014-9427<br>014-9428<br>014-9429             | CC/C1305/213<br>/214<br>/215<br>/216         | CC 1305-18-11SW<br>-11SX<br>-12SY<br>-12SZ     | 012-9471<br>012-9472<br>012-9473<br>012-9474             | 38                  |
| 17<br>18<br>19<br>20     | 18 - 32                | W<br>X<br>Y<br>Z      | CC/C1305/222<br>223<br>224<br>225            | CC 1305-18-32PW<br>-32PX<br>-32PY<br>-32PZ     | 012-9926<br>012-9927<br>012-9928<br>012-9929             | CC/C1305/231<br>/232<br>/233<br>/234         | CC 1305-18-32SW<br>-32SX<br>-32SY<br>-32SZ     | 012-9971<br>012-9972<br>012-9973<br>012-9974             | 38                  |
| 21<br>22<br>23<br>24     | 20 - 16                | W<br>X<br>Y<br>Z      | CC/C1305/240<br>/241<br>/242<br>/243         | CC 1305-20-16PW<br>-16PX<br>-16PY<br>-16PZ     | 012-9586<br>012-9587<br>012-9588<br>012-9589             | CC/C1305/249<br>/250<br>/251<br>/252         | CC 1305-20-16SW<br>-16SX<br>-16SY<br>-16SZ     | 012-9631<br>012-9632<br>012-9633<br>012-9634             | 51                  |

TABLE II(E) - CONTINUED

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION      | MALE CONTACT                         |                                            |                                              | FEMALE CONTACT                       |                                            |                                              | MAX,<br>MASS<br>(g) |
|------------------------|------------------------|------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------|--------------------------------------------|----------------------------------------------|---------------------|
|                        |                        |                  | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             | CONTROL<br>DRAWING<br>NUMBER         | STYLE<br>REFERENCE                         | NATO STOCK<br>NUMBER<br>5935-99-             |                     |
|                        | (a)                    | (b)              | (c)                                  | (d)                                        | (e)                                          | (f)                                  | (g)                                        | (h)                                          | (j)                 |
| 1<br>2<br>3            | 20 - 41                | W<br>X<br>Y      | CC/C1305/258<br>/259<br>/260         | CC 1305-20-41PW<br>-41PX<br>-41PY          | 013-0012<br>013-0013<br>013-0014             | CC/C1305/267<br>/268<br>/269         | CC 1305-20-41SW<br>-41SX<br>-41SY          | 013-0052<br>013-0053<br>013-0054             | 51                  |
| 4<br>5<br>6<br>7       | 22 - 21                | W<br>X<br>Y<br>Z | CC/C1305/276<br>/277<br>/278<br>/279 | CC 1305-22-21PW<br>-21PX<br>-21PY<br>-21PZ | 012-9756<br>012-9757<br>012-9758<br>012-9759 | CC/C1305/285<br>/286<br>/287<br>/288 | CC 1305-22-21SW<br>-21SX<br>-21SY<br>-21SZ | 012-9801<br>012-9802<br>012-9803<br>012-9804 | 62                  |
| 8<br>9<br>10<br>11     | 22 - 55                | W<br>X<br>Y<br>Z | CC/C1305/294<br>/295<br>/296<br>/297 | CC 1305-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0096<br>013-0097<br>013-0098<br>013-0099 | CC/C1305/303<br>/304<br>/305<br>/306 | CC 1305-22-55PW<br>-55PX<br>-55PY<br>-55PZ | 013-0141<br>013-0142<br>013-0143<br>013-0144 | 62                  |
| 12<br>13<br>14<br>15   | 24 - 61                | W<br>X<br>Y<br>Z | CC/C1305/312<br>/313<br>/314<br>/315 | CC 1305-24-61PW<br>-61PX<br>-61PY<br>-61PZ | 013-0186<br>013-0187<br>013-0188<br>013-0189 | CC/C1305/321<br>/322<br>/323<br>/324 | CC 1305-24-61SW<br>-61SX<br>-61SY<br>-61SZ | 013-0231<br>013-0232<br>013-0233<br>013-0234 | 74                  |

**TABLE II(F)**  
**ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES**  
**PLUGS AND SOCKETS ELECTRICAL, PATTERN 105**  
**FREE, MALE SHELL WITH ACCESSORY THREAD AND RIBBED COUPLING NUT**

| PAGE<br>ITEM<br>NUMBER | CONTACT<br>ARRANGEMENT | ORIENTATION           | MALE CONTACT                                 |                                                |                                                          | FEMALE CONTACT                               |                                                |                                                          | MAX.<br>MASS<br>(g) |
|------------------------|------------------------|-----------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------|
|                        |                        |                       | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935--                           | CONTROL<br>DRAWING<br>NUMBER                 | STYLE<br>REFERENCE                             | NATO STOCK<br>NUMBER<br>5935-99--                        |                     |
|                        | (a)                    | (b)                   | (c)                                          | (d)                                            | (e)                                                      | (f)                                          | (g)                                            | (h)                                                      | (j)                 |
| 1<br>2                 | 14 - 2                 | W<br>X                | CC/C1300/348<br>/349                         | CC 1300-14-2PW<br>-2PX                         | 014-7273<br>014-7274                                     | CC/C1300/337<br>/358                         | CC 1300-14-2SW<br>-2SX                         | 014-7315<br>014-7316                                     | 29                  |
| 3                      | 14 - 22                | W                     | CC/C1300/366                                 | CC 1300-14-22PW                                | 014-7352                                                 | CC/C1300/375                                 | CC 1300-14-22SW                                | 014-7388                                                 | 27                  |
| 4<br>5<br>6<br>7<br>8  | 18 - 8                 | N<br>B<br>C<br>E<br>F | CC/C1300/379<br>/380<br>/381<br>/382<br>/383 | CC 1300-18-8PN<br>-8PB<br>-8PC<br>-8PE<br>-8PF | 014-7415<br>014-7416<br>014-7417<br>014-7418<br>014-7419 | CC/C1300/388<br>/389<br>/390<br>/391<br>/392 | CC 1300-18-8SN<br>-8SB<br>-8SC<br>-8SE<br>-8SF | 014-7445<br>014-7446<br>014-7447<br>014-7448<br>014-7449 | 41                  |

TABLE II(G)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
CABLE OUTLET ACCESSORY DETAILS-  
(OPEN WIRING (A AND P CABLES))

| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE<br>CONTACT<br>ARRANGEMENT | M<br>F | STYLE REFERENCE |            | NATO STOCK<br>NUMBER<br>5935-99- |          | MAX MASS<br>(grammes) |       |
|------------------------|-----------------------------------------|--------|-----------------|------------|----------------------------------|----------|-----------------------|-------|
|                        |                                         |        | FIG 1           | FIG 2      | FIG 1                            | FIG 2    | FIG 1                 | FIG 2 |
|                        | (a)                                     | (b)    | (c)             | (d)        | (e)                              | (f)      | (g)                   | (h)   |
| 1                      | 8 - 33                                  | M      | CC/C1315/1      | CC/C1316/1 | 014-2878                         | 014-2895 | 4                     | 10    |
| 2                      |                                         | F      | /2              | /2         | 014-2794                         | 014-2811 |                       |       |
| 3                      | 10 - 2                                  | M      | /3              | /3         | 014-2879                         | 014-2896 | 5                     | 12    |
| 4                      |                                         | F      | /4              | /4         | 014-2795                         | 014-2812 |                       |       |
| 5                      | 10 - 6                                  | M      | /5              | /5         | 014-2880                         | 014-2897 | 5                     | 12    |
| 6                      |                                         | F      | /6              | /6         | 014-2796                         | 014-2813 |                       |       |
| 7                      | 10 - 7                                  | M      | /7              | /7         | 014-7450                         | 014-7452 | 5                     | 12    |
| 8                      |                                         | F      | /8              | /8         | 014-7451                         | 014-7453 |                       |       |
| 9                      | 12 - 3                                  | M      | /9              | /9         | 014-2881                         | 014-2898 | 7                     | 14    |
| 10                     |                                         | F      | /10             | /10        | 014-2797                         | 014-2814 |                       |       |
| 11                     | 12 - 10                                 | M      | /11             | /11        | 014-2882                         | 014-2899 | 7                     | 14    |
| 12                     |                                         | F      | /12             | /12        | 014-2798                         | 014-2815 |                       |       |
| 13                     | 14 - 2                                  | M      | /13             | /13        | 014-7454                         | 014-7456 | 8                     | 18    |
| 14                     |                                         | F      | /14             | /14        | 014-7455                         | 014-7457 |                       |       |
| 15                     | 14 - 5                                  | M      | /15             | /15        | 014-2883                         | 014-2900 | 8                     | 18    |
| 16                     |                                         | F      | /16             | /16        | 014-2799                         | 014-2816 |                       |       |
| 17                     | 14 - 12                                 | M      | /17             | /17        | 014-2884                         | 014-2901 | 8                     | 18    |
| 18                     |                                         | F      | /18             | /18        | 014-2800                         | 014-2817 |                       |       |
| 19                     | 14 - 19                                 | M      | /19             | /19        | 014-2885                         | 014-2902 | 8                     | 18    |
| 20                     |                                         | F      | /20             | /20        | 014-2801                         | 014-2818 |                       |       |
| 21                     | 14 - 22                                 | M      | /21             | /21        | 014-7458                         | 014-7460 | 8                     | 18    |
| 22                     |                                         | F      | /22             | /22        | 014-7459                         | 014-7461 |                       |       |
| 23                     | 16 - 8                                  | M      | /23             | /23        | 014-2886                         | 014-2903 | 11                    | 20    |
| 24                     |                                         | F      | /24             | /24        | 014-2802                         | 014-2819 |                       |       |

NOTE 1: M DENOTES FOR USE WITH MALE SHELL  
 F DENOTES FOR USE WITH FEMALE SHELL



FIG 1  
 NUT RUSHING RETAINER,  
 ELECTRICAL PLUG/SOCKET

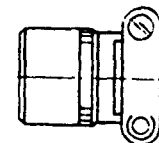


FIG 2  
 ADAPTOR CABLE TO  
 ELECTRICAL PLUG/SOCKET

TABLE II(G) CONTINUED

| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE<br>CONTACT<br>ARRANGEMENT | M<br>F | STYLE REFERENCE |             | NATO STOCK<br>NUMBER<br>5935-99- |          | MAX MASS<br>(grammes) |       |
|------------------------|-----------------------------------------|--------|-----------------|-------------|----------------------------------|----------|-----------------------|-------|
|                        |                                         |        | FIG 1           | FIG 2       | FIG 1                            | FIG 2    | FIG 1                 | FIG 2 |
|                        |                                         |        | (c)             | (d)         | (e)                              | (f)      | (g)                   | (h)   |
| 1                      | 16 - 26                                 | M      | CC/C1315/25     | CC/C1316/25 | 014-2887                         | 014-2904 | 11                    | 20    |
| 2                      |                                         | F      | /26             | /26         | 014-2803                         | 014-2820 |                       |       |
| 3                      | 18 - 8                                  | M      | /27             | /27         | 014-7462                         | 014-7464 | 13                    | 28    |
| 4                      |                                         | F      | /28             | /28         | 014-7463                         | 014-7465 |                       |       |
| 5                      | 18 - 11                                 | M      | /29             | /29         | 014-2888                         | 014-2905 | 13                    | 28    |
| 6                      |                                         | F      | /30             | /30         | 014-2804                         | 014-2821 |                       |       |
| 7                      | 18 - 32                                 | M      | /31             | /31         | 014-2889                         | 014-2906 | 13                    | 28    |
| 8                      |                                         | F      | /32             | /32         | 014-2805                         | 014-2822 |                       |       |
| 9                      | 20 - 16                                 | M      | /33             | /33         | 014-2890                         | 014-2907 | 17                    | 33    |
| 10                     |                                         | F      | /34             | /34         | 014-2806                         | 014-2823 |                       |       |
| 11                     | 20 - 41                                 | M      | /35             | /35         | 014-2891                         | 014-2908 | 17                    | 33    |
| 12                     |                                         | F      | /36             | /36         | 014-2807                         | 014-2824 |                       |       |
| 13                     | 22 - 21                                 | M      | /37             | /37         | 014-2802                         | 014-2909 | 20                    | 41    |
| 14                     |                                         | F      | /38             | /38         | 014-2808                         | 014-2825 |                       |       |
| 15                     | 22 - 55                                 | M      | /39             | /39         | 014-2893                         | 014-2910 | 20                    | 41    |
| 16                     |                                         | F      | /40             | /40         | 014-2809                         | 014-2826 |                       |       |
| 17                     | 24 - 61                                 | M      | /41             | /41         | 014-2894                         | 014-2911 | 25                    | 44    |
| 18                     |                                         | F      | /42             | /42         | 014-2810                         | 014-2827 |                       |       |

NOTE 1: M DENOTES FOR USE WITH MALE SHELL  
F DENOTES FOR USE WITH FEMALE SHELL



FIG 1

NUT BUSHING RETAINER,  
ELECTRICAL PLUG/SOCKET

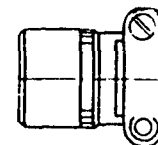


FIG 2

ADAPTOR CABLE TO  
ELECTRICAL PLUG/SOCKET

SECTION 7/1  
TABLE II(H)

TABLE II(H)  
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES  
PLUGS AND SOCKETS, ELECTRICAL PATTERN 105  
CAP, PROTECTIVE, DUST AND MOISTURE SEAL



FIG 1

| FOR MALE SHELL         |                      |                                      |
|------------------------|----------------------|--------------------------------------|
| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE<br>(a) | NATO STOCK NUMBER<br>5935-99-<br>(b) |
| 1                      | 8                    | 014-7475                             |
| 2                      | 10                   | 014-7476                             |
| 3                      | 12                   | 014-7477                             |
| 4                      | 14                   | 014-7478                             |
| 5                      | 16                   | 014-7479                             |
| 6                      | 18                   | 014-7480                             |
| 7                      | 20                   | 014-7481                             |
| 8                      | 22                   | 014-7482                             |
| 9                      | 24                   | 014-7483                             |

| FOR FEMALE SHELL       |                      |                                      |
|------------------------|----------------------|--------------------------------------|
| PAGE<br>ITEM<br>NUMBER | SHELL<br>SIZE<br>(a) | NATO STOCK NUMBER<br>5935-99-<br>(b) |
| 10                     | 8                    | 014-7476                             |
| 11                     | 10                   | 014-7477                             |
| 12                     | 12                   | 014-7478                             |
| 13                     | 14                   | 014-7479                             |
| 14                     | 16                   | 014-7480                             |
| 15                     | 18                   | 014-7481                             |
| 16                     | 20                   | 014-7482                             |
| 17                     | 22                   | 014-7483                             |
| 18                     | 24                   | 014-7484                             |

TABLE III(A)

## ITEMS NO LONGER TO BE PROVISIONED

PLUG, ELECTRICAL. PATTERN 105

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                     | REPLACEMENT ITEM                 |                                             |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|---------------------|----------------------------------|---------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME           | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                   | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                 | (c)                              | (d)                                         | (e)             | (f)                          | (g)                      |
| 1                  | 115-4676                        | PLUG,<br>ELECTRICAL | 014-2641                         | CONNECTOR,<br>ELECTRICAL<br>MALE<br>CONTACT | C2094 14 19 MCO | 13/13                        | -                        |
| 2                  | 115-4681                        |                     | 014-2648                         |                                             | C2094 16 26 MBO | 13/27                        | -                        |
| 3                  | 115-4682                        |                     | 014-2649                         |                                             | C2094 16 26 MCO | 13/28                        | -                        |
| 4                  | 115-4686                        |                     | 014-2664                         |                                             | C2094 20 41 MBO | 14/17                        | -                        |
| 5                  | 115-5075                        |                     | 014-2604                         |                                             | C2094 10 02 MNO | 12/4                         | -                        |
| 6                  | 115-5076                        |                     | 014-2605                         |                                             | C2094 10 06 MNO | 12/9                         | -                        |
| 7                  | 115-5077                        |                     | 014-2607                         |                                             | C2094 12 10 MNO | 12/24                        | -                        |
| 8                  | 115-5079                        |                     | 014-2616                         |                                             | C2094 20 41 MNO | 14/16                        | -                        |
| 9                  | 115-5081                        |                     | 014-2608                         |                                             | C2094 14 05 MNO | 14/1                         | -                        |
| 10                 | 115-5087                        |                     | 014-2606                         |                                             | C2094 12 03 MNO | 12/19                        | -                        |
| 11                 | 115-5089                        |                     | 014-2610                         |                                             | C2094 14 19 MNO | 13/11                        | -                        |
| 12                 | 115-5091                        |                     | 014-2612                         |                                             | C2094 16 26 MNO | 13/26                        | -                        |
| 13                 | 117-8731                        |                     | 012-9975                         |                                             | C2099 20 41 MNO | 24/21                        | -                        |
| 14                 | 119-2879                        |                     | 012-9891                         |                                             | C2099 18 32 MXO | -                            | 39/18                    |
| 15                 | 142-1720                        |                     | 012-9837                         |                                             | C2092 16 26 MNO | 10/26                        | -                        |
| 16                 | 142-1721                        |                     | 012-9503                         |                                             | C2092 14 12 MNO | 10/6                         | -                        |
| 17                 | 142-1722                        |                     | 012-9331                         |                                             | C2092 12 10 MNO | 9/24                         | -                        |
| 18                 | 142-1723                        |                     | 012-9169                         |                                             | C2092 10 06 MNO | 9/9                          | -                        |
| 19                 | 142-4809                        |                     | 012-8829                         |                                             | C2096 08 33 MNO | 15/1                         | -                        |
| 20                 | 142-4810                        |                     | 012-8781                         |                                             | C2096 10 02 MNO | 15/4                         | -                        |

Notes applicable to this table are on page 64.

TABLE III(A) - CONTINUED

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                     | REPLACEMENT ITEM                 |                                             |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|---------------------|----------------------------------|---------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME           | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                   | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                 | (c)                              | (d)                                         | (e)             | (f)                          | (g)                      |
| 1                  | 142-4811                        | PLUG,<br>ELECTRICAL | 012-8873                         | CONNECTOR,<br>ELECTRICAL<br>MALE<br>CONTACT | C2096 12 03 MNO | 15/19                        | -                        |
| 2                  | 142-4812                        |                     | 012-9651                         |                                             | C2096 14 19 MNO | 16/16                        | -                        |
| 3                  | 142-4813                        |                     | 012-9871                         |                                             | C2096 16 26 MNO | 16/31                        | -                        |
| 4                  | 142-4819                        |                     | 012-8837                         |                                             | C2092 08 33 MNO | 9/1                          | -                        |
| 5                  | 142-4821                        |                     | 012-8791                         |                                             | C2092 10 02 MNO | 9/4                          | -                        |
| 6                  | 142-4823                        |                     | 012-8885                         |                                             | C2092 12 03 MNO | 9/19                         | -                        |
| 7                  | 142-4825                        |                     | 012-9331                         |                                             | C2092 12 10 MNO | 9/24                         | -                        |
| 8                  | 142-4827                        |                     | 012-9667                         |                                             | C2092 14 19 MNO | 10/11                        | -                        |
| 9                  | 142-4831                        |                     | 012-0007                         |                                             | C2092 20 41 MNO | 11/11                        | -                        |
| 10                 | 142-7108                        |                     | 012-9983                         |                                             | C2098 20 41 MNO | 20/21                        | -                        |
| 11                 | 142-7109                        |                     | 012-9985                         |                                             | C2098 20 41 MBO | 20/22                        | -                        |
| 12                 | 142-7142                        |                     | 012-8776                         |                                             | C2098 10 02 MNO | 18/4                         | -                        |
| 13                 | 142-7148                        |                     | 012-9304                         |                                             | C2098 12 10 MNO | 18/24                        | -                        |
| 14                 | 196-9068                        |                     | 012-9169                         |                                             | C2092 10 06 MNO | 9/9                          | -                        |
| 15                 | 198-2614                        |                     | 012-8932                         |                                             | C2098 14 05 MBO | 19/7                         | -                        |
| 16                 | 198-2617                        |                     | 012-9306                         |                                             | C2098 12 10 MBO | 18/25                        | -                        |
| 17                 | 198-2622                        |                     | 012-9898                         |                                             | C2098 18 32 MFO | 20/15                        | -                        |
| 18                 | 198-2626                        |                     | 012-9894                         |                                             | C2098 18 32 MNO | 20/11                        | -                        |
| 19                 | 198-2627                        |                     | 012-8825                         |                                             | C2098 08 33 MNO | 18/1                         | -                        |
| 20                 | 198-2629                        |                     | 012-8869                         |                                             | C2098 12 03 MBO | 18/20                        | -                        |

Notes applicable to this table are on page 64.

TABLE III(A) - CONTINUED

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                     | REPLACEMENT ITEM                 |                                             |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|---------------------|----------------------------------|---------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME           | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                   | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                 | (c)                              | (d)                                         | (e)             | (f)                          | (g)                      |
| 1                  | 198-2646                        | PLUG,<br>ELECTRICAL | 012-9894                         | CONNECTOR,<br>ELECTRICAL<br>MALE<br>CONTACT | C 098 13 32 MNO | 20/11                        | -                        |
| 2                  | 198-2656                        |                     | 013-0154                         |                                             | C2098 24 61 MNO | 21/1                         | -                        |
| 3                  | 198-2657                        |                     | 013-0155                         |                                             | C2098 24 61 MEO | 21/4                         | -                        |
| 4                  | 198-2932                        |                     | 012-8869                         |                                             | C2098 12 03 MBO | 18/20                        | -                        |
| 5                  | 199-7445                        |                     | 012-9482                         |                                             | C2098 14 12 MNO | 19/11                        | -                        |
| 6                  | 519-8314                        |                     | 012-9295                         |                                             | C2099 12 10 MNO | 22/24                        | -                        |
| 7                  | 519-8315                        |                     | 012-8861                         |                                             | C2099 12 03 MNO | 22/19                        | -                        |
| 8                  | 519-8317                        |                     | 012-8921                         |                                             | C2099 14 05 MNO | 23/6                         | -                        |
| 9                  | 519-8318                        |                     | 012-9475                         |                                             | C2099 14 12 MNO | 23/11                        | -                        |
| 10                 | 519-8319                        |                     | 012-9205                         |                                             | C2099 16 08 MNO | 23/26                        | -                        |
| 11                 | 519-8333                        |                     | 012-9643                         |                                             | C2098 14 19 MNO | 19/16                        | -                        |
| 12                 | 618-5272                        |                     | 012-9805                         |                                             | C2099 16 26 MNO | 23/31                        | -                        |
| 13                 | 618-5274                        |                     | 012-8823                         |                                             | C2099 08 33 MFO | 22/3                         | -                        |
| 14                 | 618-5299                        |                     | 012-9977                         |                                             | C2099 20 41 MBO | 24/22                        | -                        |
| 15                 | 618-5622                        |                     | 012-9146                         |                                             | C2099 10 06 MEO | 22/12                        | -                        |
| 16                 | 618-5626                        |                     | 012-9636                         |                                             | C2099 14 19 MEO | 23/19                        | -                        |
| 17                 | 618-5633                        |                     | 012-8827                         |                                             | C2098 08 33 MFO | 18/3                         | -                        |
| 18                 | 618-6818                        |                     | 012-8825                         |                                             | C2098 08 33 MNO | 18/1                         | -                        |
| 19                 | 624-1445                        |                     | 012-9645                         |                                             | C2098 14 19 MBO | 19/17                        | -                        |
| 20                 | 624-8003                        |                     | 012-9988                         |                                             | C2098 20 41 MWO | -                            | 43/1                     |

Notes applicable to this table are on page 64.

TABLE III(A) - CONTINUED

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1  
TABLE III(A) (CONT'D)

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                     | REPLACEMENT ITEM                 |                                            |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|---------------------|----------------------------------|--------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME           | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                  | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                 | (c)                              | (d)                                        | (e)             | (f)                          | (g)                      |
| 1                  | 624-8016                        | PLUG,<br>ELECTRICAL | 012-9157                         | CONNECTOR<br>ELECTRICAL<br>MALE<br>CONTACT | C2096 10 06 MNO | 15/9                         | -                        |
| 2                  | 624-8017                        |                     | 012-9313                         |                                            | C2096 12 10 MNO | 15/24                        | -                        |
| 3                  | 624-9410                        |                     | 012-9163                         |                                            | C2101 10 06 MNO | 26/9                         | -                        |
| 4                  | 625-3748                        |                     | 012-8821                         |                                            | C2099 08 33 MNO | 22/1                         | -                        |
| 5                  | 707-5318                        |                     | 013-0055                         |                                            | C2099 22 55 MNO | 24/31                        | -                        |
| 6                  | 924-7616                        |                     | 012-8771                         |                                            | C2099 10 02 MNO | 22/4                         | -                        |
| 7                  | 956-1277                        |                     | 012-8930                         |                                            | C2098 14 05 MNO | 19/6                         | -                        |
| 8                  | 972-0742                        |                     | 012-9805                         |                                            | C2099 16 26 MNO | 23/31                        | -                        |
| 9                  | 972-3707                        |                     | 012-9813                         |                                            | C2098 16 26 MNO | 19/31                        | -                        |
| 10                 | 972-3948                        |                     | 012-9151                         |                                            | C2098 10 06 MNO | 18/9                         | -                        |

Notes applicable to this table are on page 64.

TABLE III(B)

## ITEMS NO LONGER TO BE PROVISIONED

## SOCKET, ELECTRICAL. PATTERN 105

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                       | REPLACEMENT ITEM                 |                                               |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|-----------------------|----------------------------------|-----------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME             | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                     | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                   | (c)                              | (d)                                           | (e)             | (f)                          | (g)                      |
| 1                  | 115-5080                        | SOCKET,<br>ELECTRICAL | 014-2600                         | CONNECTOR,<br>ELECTRICAL<br>FEMALE<br>CONTACT | C2094 20 41 FNO | 14/16                        | -                        |
| 2                  | 115-5082                        |                       | 014-2592                         |                                               | C2094 14 05 FNO | 13/1                         | -                        |
| 3                  | 115-5085                        |                       | 014-2588                         |                                               | C2094 10 02 FNO | 12/4                         | -                        |
| 4                  | 115-5086                        |                       | 014-2589                         |                                               | C2094 10 06 FNO | 12/9                         | -                        |
| 5                  | 115-5088                        |                       | 014-2590                         |                                               | C2094 12 03 FNO | 12/19                        | -                        |
| 6                  | 115-5090                        |                       | 014-2594                         |                                               | C2094 14 19 FNO | 13/11                        | -                        |
| 7                  | 115-5092                        |                       | 014-2596                         |                                               | C2094 16 26 FNO | 13/26                        | -                        |
| 8                  | 117-8732                        |                       | 013-0047                         |                                               | C2092 20 41 FNO | 11/11                        | -                        |
| 9                  | 119-8596                        |                       | 013-0204                         |                                               | C2098 24 61 FWO | -                            | 43/12                    |
| 10                 | 119-8597                        |                       | 012-9939                         |                                               | C2098 18 32 FNO | 20/11                        | -                        |
| 11                 | 119-8598                        |                       | 013-0199                         |                                               | C2098 24 61 FNO | 21/1                         | -                        |
| 12                 | 142-1716                        |                       | 012-9199                         |                                               | C2092 10 06 FNO | 9/9                          | -                        |
| 13                 | 142-1717                        |                       | 012-9376                         |                                               | C2092 12 10 FNO | 9/24                         | -                        |
| 14                 | 142-1718                        |                       | 012-9538                         |                                               | C2092 14 12 FNO | 10/6                         | -                        |
| 15                 | 142-1725                        |                       | 012-8857                         |                                               | C2092 08 33 FNO | 9/1                          | -                        |
| 16                 | 142-1728                        |                       | 012-9877                         |                                               | C2092 16 26 FNO | 10/26                        | -                        |
| 17                 | 142-4820                        |                       | 012-8857                         |                                               | C2092 08 33 FNO | 9/1                          | -                        |
| 18                 | 142-4822                        |                       | 012-8816                         |                                               | C2092 10 02 FNO | 9/4                          | -                        |
| 19                 | 142-4824                        |                       | 012-8915                         |                                               | C2092 12 03 FNO | 9/19                         | -                        |

Notes applicable to this table are on page 64.

TABLE III(B) - CONTINUED

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                       | REPLACEMENT ITEM                 |                                               |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|-----------------------|----------------------------------|-----------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME             | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                     | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                   | (c)                              | (d)                                           | (e)             | (f)                          | (g)                      |
| 1                  | 142-4828                        | SOCKET,<br>ELECTRICAL | 012-9707                         | CONNECTOR,<br>ELECTRICAL<br>FEMALE<br>CONTACT | C2092 14 19 FNO | 10/11                        | -                        |
| 2                  | 142-4830                        |                       | 012-9877                         |                                               | C2092 16 26 FNO | 10/26                        | -                        |
| 3                  | 142-7147                        |                       | 012-8845                         |                                               | C2098 08 33 FNO | 18/1                         | -                        |
| 4                  | 142-7149                        |                       | 012-9349                         |                                               | C2098 12 10 FNO | 18/24                        | -                        |
| 5                  | 196-9067                        |                       | 013-0047                         |                                               | C2092 20 41 FNO | 11/11                        | -                        |
| 6                  | 196-9069                        |                       | 012-9199                         |                                               | C2092 10 06 FNO | 9/9                          | -                        |
| 7                  | 198-2615                        |                       | 013-0199                         |                                               | C2098 24 61 FNO | 21/1                         | -                        |
| 8                  | 198-2632                        |                       | 012-9351                         |                                               | C2098 12 10 FBO | 18/25                        | -                        |
| 9                  | 198-2633                        |                       | 012-8977                         |                                               | C2098 14 05 FBO | 19/7                         | -                        |
| 10                 | 198-2634                        |                       | 013-0200                         |                                               | C2098 24 61 FEO | 21/4                         | -                        |
| 11                 | 198-2647                        |                       | 012-8897                         |                                               | C2098 12 03 FNO | 18/19                        | -                        |
| 12                 | 198-2655                        |                       | 012-9683                         |                                               | C2098 14 19 FNO | 19/16                        | -                        |
| 13                 | 198-2925                        |                       | 012-8899                         |                                               | C2098 12 03 FBO | 18/20                        | -                        |
| 14                 | 519-8297                        |                       | 012-8891                         |                                               | C2099 12 03 FNO | 22/19                        | -                        |
| 15                 | 519-8298                        |                       | 012-9340                         |                                               | C2099 12 10 FNO | 22/24                        | -                        |
| 16                 | 519-8299                        |                       | 012-8966                         |                                               | C2099 14 05 FNO | 23/6                         | -                        |
| 17                 | 519-8300                        |                       | 012-9590                         |                                               | C2099 20 16 FNO | 24/16                        | -                        |
| 18                 | 519-8301                        |                       | 012-9760                         |                                               | C2099 22 21 FNO | 24/26                        | -                        |
| 19                 | 580-9550                        |                       | 012-9930                         |                                               | C2099 18 32 FNO | 24/11                        | -                        |
| 20                 | 949-3145                        |                       | 012-9175                         |                                               | C2099 10 06 FNO | 22/9                         | -                        |

Notes applicable to this table are on page 64.

TABLE III(B) - CONTINUED

| PAGE<br>ITEM<br>NO | SUPERSEDED ITEM                 |                       | REPLACEMENT ITEM                 |                                               |                 | LOCATION IN DEFENCE STANDARD |                          |
|--------------------|---------------------------------|-----------------------|----------------------------------|-----------------------------------------------|-----------------|------------------------------|--------------------------|
|                    | NATO STOCK<br>NUMBER<br>5935-99 | ITEM NAME             | NATO STOCK<br>NUMBER<br>5935-99- | ITEM NAME                                     | STYLE REFERENCE | TABLE I<br>PAGE/ITEM NO      | TABLE II<br>PAGE/ITEM NO |
|                    | (a)                             | (b)                   | (c)                              | (d)                                           | (e)             | (f)                          | (g)                      |
| 1                  | 956-1278                        | SOCKET,<br>ELECTRICAL | 013-0109                         | CONNECTOR,<br>ELECTRICAL<br>FEMALE<br>CONTACT | C2098 22 55 FNO | 20/31                        | -                        |
| 2                  | 956-1279                        |                       | 012-9683                         |                                               | C2098 14 19 FNO | 19/16                        | -                        |
| 3                  | 971-8813                        |                       | 012-9510                         |                                               | C2099 14 12 FNO | 23/11                        | -                        |
| 4                  | 972-0743                        |                       | 012-9845                         |                                               | C2099 16 26 FNO | 23/31                        | -                        |
| 5                  | 972-0748                        |                       | 012-9250                         |                                               | C2099 16 08 FNO | 23/26                        | -                        |
| 6                  | 972-0749                        |                       | 012-8891                         |                                               | C2099 12 03 FNO | 22/19                        | -                        |
| 7                  | 972-3945                        |                       | 012-9181                         |                                               | C2098 10 06 FNO | 18/19                        | -                        |
| 8                  | 972-3946                        |                       | 012-9853                         |                                               | C2098 16 26 FNO | 19/31                        | -                        |
| 9                  | 972-3947                        |                       | 012-9858                         |                                               | C2098 16 26 FWO | -                            | 42/5                     |
| 10                 | 972-5250                        |                       | 012-9675                         |                                               | C2099 14 19 FNO | 23/16                        | -                        |

Notes applicable to this table are on page 64.

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 7/1

NOTES APPLICABLE TO TABLES

1. When only a Service Management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code, eg 0568/012-8837.
2. When only a Service Management code appears in the Army Column, the full Army number is the NATO Stock Number prefixed by that code, eg Z2/5935-99-012-8837.
3. When only a Service Management code appears in the Air Force column the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code, eg 10H/0128837 (the number is not hyphenated).
4. -- indicates that, at the date of publication of this INTERIM Section of the Standard, the Service concerned does not use the item.
5. - indicates that the column heading does not apply.

ANNEX A  
NATO ELECTRONIC PARTS RECOMMENDATION NO 27  
MULTICONTACT CONNECTORS, ELECTRIC, CIRCULAR  
MINIATURE, BAYONET COUPLING  
SUBSTANCE OF RECOMMENDATION

1. The multicontact, electric, circular, miniature, bayonet coupling connectors with solder or removeable crimp type contacts with orientations N, B, C, E & F; and defined herein are recommended for use in new designs of equipment for the Armed Forces of the North Atlantic Treaty Organisation.
2. This NEPR provides design information of a particular type of connector which is one of the various types in the NATO Standardization programme shown in AC/301(SG/1)(STG/2)D/3, this embraces many types of connectors some of which have overlapping features and it is the responsibility of the equipment designers to select those types best suited for their applications.
3. The prime purpose of this NEPR is to achieve agreement on those connector details which effect performance and mating and to prohibit the introduction or the use in new equipment design, of connectors which are similar to but not interchangeable both physically and electrically with NATO preferred standard parts and prevent the unnecessary multiplication of similar types with only marginal differences.

ANNEX B  
MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF)

1. The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (LF) on behalf of the Ministry of Defence who may be contacted at the following address:

Procurement Executive  
Ministry of Defence  
Royal Signals and Radar Establishment  
Leigh Sinton Road  
Great Malvern  
Worcestershire WR14 1LL

1. RELATED SPECIFICATIONS AND DOCUMENTS

1.1 Reference is made in this INTERIM Section of the Standard to:

|                              |                                                                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                      | 'General requirements for electronic components of assessed quality'                                                                                                                                                               |
| BS 9520                      | 'Electrical connectors of assessed quality for frequencies below 3 MHz: Generic data and methods of test'                                                                                                                          |
| BS 9522 F0017                | 'Multi-Contact, circular, electrical connectors, bayonet coupling, environment resistant, barrier and panel sealed with non-removeable solder contacts.'                                                                           |
| DEF STAN 59-4<br>(PART 7)/1  | 'Plugs and sockets electrical. PART 7: Orientations and contact allocations reserved for power supplies.'                                                                                                                          |
| PD 9002                      | 'BS 9000 Components selection guide - PART 1 Qualified products list'                                                                                                                                                              |
| DEF STAN 59-35<br>(PART 3)/1 | 'Connectors for dc and low frequency applications,                                                                                                                                                                                 |
| DEF STAN 59-36<br>(PART 1)/2 | 'Electronic components for Defence purposes. (PART 1): The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                          |
| DEF STAN 59-36<br>(PART 2)   | 'Electronic components for Defence purposes. (PART 2): Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected'. |
| DEF STAN 59-59               | 'Electrical/Electronic components for Defence use - Services qualified products list'                                                                                                                                              |
| CPU/PIP/109-1                | 'Specification for the packaging of connectors electrical'                                                                                                                                                                         |

1.2 Reference in this INTERIM Section of the Standard to any related documented means, in any tender or contract, the edition current at the date of such tender or contract unless a specific issue is indicated.

2. The following documents and specifications are obtainable from the addresses shown:

2.1 Copies of British Standards are obtainable from:

British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND

2.2 Copies of BS 9000 'F' Specifications are obtainable from the relevant manufacturer listed in PD 9002.

2.3 Copies of Packaging Specification CPU/PIP/109-1 are obtainable from:

Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW

2.4 Copies of PD 9002 are obtainable from:

British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR

2.5 Copies of Defence Standards obtainable from:

Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE

2.6 Copies of Ministry of Defence drawings are obtainable from:

MOD(PE)  
Section T4  
Aquila  
Golf Road  
Bromley  
Kent BR1 2JB

### 3. DATA SHEETS

3.1 In addition to the documents listed in sub-clause 1.1, Data Sheets, which contain abridged data from the BS 9520 series, are available to Defence contractors under reference:

DEF STAN 59-35 (PART 99) - Connectors, electrical, data sheets  
for BS 9000 Detail Specifications.

3.2 Any enquiries regarding Data Sheets should be addressed to:

Directorate of Standardization,  
Stan 7/8 (Sec)  
First Avenue House  
High Holborn  
London WC1V 6HE

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**Ministry of Defence**

**INTERIM**

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**Defence Standard**

**59-35(PART 3)  
SECTION 8/Issue 1**

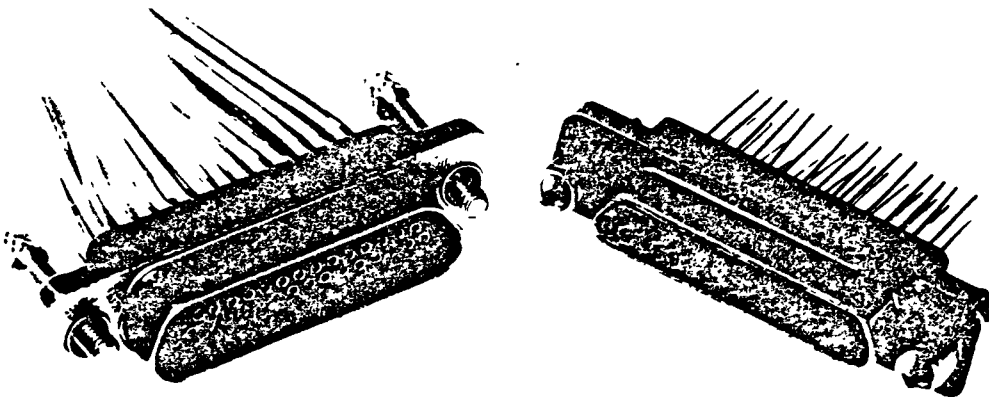
**17 November 1980**

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**LEAD ASSEMBLY, ELECTRICAL  
(CONNECTORS, ELECTRICAL)  
PART 3: CONNECTORS FOR d.c. AND  
LOW FREQUENCY APPLICATIONS**

**SECTION 8: PATTERN 9523 F0002**

**LIST OF ITEMS CONFORMING TO  
BS 9523 F0002**



This Standard has been published in the  
CONNECTORS, ELECTRICAL, series of  
Defence Standards because the items listed  
are known by this name within the UK.

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INTERIM DEF STAN 59-35 (PART 3) SECTION 8/1

LEAD ASSEMBLY, ELECTRICAL

(CONNECTORS, ELECTRICAL)

PART 3: CONNECTORS FOR dc AND

LOW FREQUENCY APPLICATIONS

SECTION 8: PATTERN 9523 F0002

AMENDMENT 1

1. Page 5, clause 5.1.2.2, line 3

Delete: 5935-99-

Substitute: 5995-99-

2. Page 7, TABLE I(A), headings to columns (d) and (h)

Delete: 5935-99-

Substitute: 5995-99-

3. Page 8, TABLE I(B), headings to columns (d) and (h)

Delete: 5935-99-

Substitute: 5995-99-

4. Page 9, TABLE I(C), headings to columns (d) and (h)

Delete: 5935-99-

Substitute: 5995-99-

5. Page 10, TABLE I(D), headings to columns (d) and (h)

Delete: 5935-99-

Substitute: 5995-99-

6. Page 11, TABLE I(E), column (d), PAGE ITEM NOS 1 and 2 and PAGE ITEM NO 3, column (c)

Delete: 5935-99-

( Substitute: 5995-99-

7. Page 12

(a) Clause 2, line 3

Delete: 5935-99-

Substitute: 5995-99-

(b) ANNEX A

Delete: Royal Signals and Radar Establishment  
Leigh Sinton Road  
Great Malvern  
Worcestershire WR14 1LL

Substitute: CVD 2S  
Room 327  
Lillie Road  
Fulham  
London SW6 1TR

8. Make a note of this amendment on the Amendment Record.

7 SEPTEMBER 1981

DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON

D/D STAN/59/7/7?

INTERIM DEF STAN 59-35 (PART 3) SECTION 8/1

LEAD ASSEMBLY, ELECTRICAL

(CONNECTORS, ELECTRICAL)

PART 3: CONNECTORS FOR dc AND LOW FREQUENCY APPLICATIONS

SECTION 8: PATTERN 9523 F0002

AMENDMENT 2

- 1 Delete all reference to 'INTERIM' at the following:
  - a. Front cover, top left corner.
  - b. At page 1 heading. and at all corner references pages 2 to 15 inclusive, **preceding** the words DEF STAN.
  - c. Page 1, clause 1, line 1.
  - d. Page 1, clause 1.1, line 1.
  - e. Page 1, clause 2, line 1.
  - f. Page 1, clause 6, line 2.
  - g. Page 1, clause 7, line 1.
  - h. Page 1, clause 8, line 1.
  - i. Page 1, clause 9, line 1.
  - j. Page 3, clause 1, line 1.
  - k. Page 3, clause 2.1, line 1.
  - l. Page 3, clause 2.3, line 1.
  - m. Page 3, clause 3.1, line 1.
  - n. Page 4, clause 4.1, line 2.
  - o. Page 4, clause 5.1, lines 2 and 3.
  - p. Page 4, clause 5.1.2, line 1.
  - q. Page 6, clause 9, lines 2 and 3.
  - r. Page 12, clause 4, line 1.
  - s. Page 13, ANNEX B, clause 1.1, line 1.
  - t. Page 13, ANNEX B, clause 1.2, line 1.

2 Page 3

- a. Clause 2.2.1, line 1

Delete: polytetrafluorethylene

Substitute: polytetrafluoroethylene.

2(contd) Page 3

b. Clause 2.3, line 2

Delete: Ministry of Defence

Substitute: Crown

c. Clause 2.3, lines 3, 4 and 5

Delete: Ministry

Substitute: Crown

d. Clause 3.1.2

Delete: 24 AWG

Substitute: 25 AWG

e. Clause 3.1.3, line 1

Delete: 7/0.0063

Substitute: 7/0.0063 in. (0.16 mm)

3 Page 5

a. Clause 5.1.2, line 7

Delete: 24 AWG

Substitute: 25 AWG

b. Clause 5.1.2.1, lines 1 and 2

Delete: (Wire length and colour coding to customer requirement).

Substitute: (18 inches of 26 AWG PTFE insulated wire, Colour - Yellow).

4 Make a note of this amendment on the Amendment Record.

21 JANUARY 1982

DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON

D/D STAN/59/7/72

INTERIM DEF STAN 59-35 (PART 3) SECTION 8/1  
LEAD ASSEMBLY, ELECTRICAL  
(CONNECTORS, ELECTRICAL)  
PART 3 : CONNECTORS FOR dc  
AND LOW FREQUENCY APPLICATIONS  
SECTION 8 : PATTERN 9523 F0002

1. This INTERIM Section of the Defence Standard 59-35 (Part 3) implements BS 9523 F0002. Detail specification for lead assembly, electrical (connectors, electrical) for dc and low frequency applications, multi-contact, environment resistant, with trapezoidal metal housings (shells), polarized, non-removable contacts with crimp connections, to which conductors are fitted during manufacture. Environmental category 55/125/56. It is for Ministry of Defence use.
- 1.1 This INTERIM Section of the Standard has been published in the Connectors, Electrical, series of Defence Standards because the items listed are known by this name within the UK.
2. This INTERIM Section of the Standard is to be used in conjunction with DEF STAN 59-35 (PART 3), Connectors, electrical, for dc and low frequency applications and BS 9520 'Specification for electrical connectors of assessed quality for frequencies below 3 MHz.' All the requirements are applicable unless otherwise stated herein.
3. Tables I(A) to I(E) inclusive list the standard range of lead assembly, electrical (connectors, electrical) to be used in all future designs of equipment and wherever acceptable, for maintenance of existing equipment. There are no Tables II or III.
4. For all requirements IT IS ESSENTIAL THAT EQUIPMENT DESIGNERS WORK TO THE DIMENSIONS STATED IN BS 9523 F0002 AND NOT TO THOSE OF INDIVIDUAL SPECIMENS.
5. Defence Standard 59-35 (PART 99) (when published) will contain data sheets for connectors, electrical, which specify technical data related to BS 9000 Detail Specifications.
6. Related specifications and documents are listed in DEF STAN 59-35 (PART 3) and Annex B of this INTERIM Section of the Standard.
7. This INTERIM Section of the Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer, see Annex A. It will be reviewed twelve months after publication.
8. This INTERIM Section of the Standard has been agreed by authorities concerned. It is to be implemented, wherever practicable, in all designs, contracts, orders etc commencing after its date of publication. If a difficulty arises which prevents application of the Defence Standard the Directorate of Standardization shall be informed so that a remedy can be sought.
9. Any enquiries regarding this INTERIM Section of the Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

| <u>INDEX TO CONTENTS</u>                                               |                                                          | <u>PAGE</u> |
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| LEAD ASSEMBLY, ELECTRICAL (CONNECTORS, ELECTRICAL) GENERAL INFORMATION |                                                          | 3           |
| <u>FLANGE MOUNT</u>                                                    |                                                          |             |
| TABLE I(A) )                                                           | (FR 3004 - JACKSCREW (std) WITH MALE CONTACTS            | 7           |
| )                                                                      | (                                                        |             |
| TABLE I(B) )                                                           | STANDARD (FR 3005 - JACKSCREW (std) WITH FEMALE CONTACTS | 8           |
| )                                                                      | RANGE (                                                  |             |
| TABLE I(C) )                                                           | (FR 3008 - JACKPOST WITH MALE CONTACTS                   | 9           |
| )                                                                      | (                                                        |             |
| TABLE I(D) )                                                           | (FR 3009 - JACKPOST WITH FEMALE CONTACTS                 | 10          |
| <u>ACCESSORIES</u>                                                     |                                                          |             |
| TABLE I(E) )                                                           | (FA 3010 (EDGEBOARD MOUNTING                             | 11          |
| )                                                                      | (FA 3011 (BRACKET                                        |             |
| )                                                                      | STANDARD (                                               |             |
| )                                                                      | RANGE (FA 3012 - SCREW LOCK ASSEMBLY                     |             |
| TABLE II                                                               | (NOT APPLICABLE                                          |             |
| TABLE III                                                              | (                                                        |             |
| NOTES APPLICABLE TO TABLES                                             |                                                          | 12          |
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LEAD ASSEMBLY, ELECTRICAL  
(CONNECTORS, ELECTRICAL)  
(PATTERN 9523 F0002)

GENERAL INFORMATION

1. SCOPE

This INTERIM Section of Defence Standard 59-35 (Part 3) lists details of lead assembly, electrical (connectors, electrical) for dc and low frequency applications, multi-contact, environment resistant, with trapezoidal metal housings (shells), polarized, non-removable contacts with crimp connections, to which conductors are fitted during manufacture. Environmental category 55/125/56.

2. WARNING

- 2.1 This INTERIM Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.
- 2.2 Particular attention is drawn to the following hazards although the list may not necessarily be exhaustive:-
- 2.2.1 The toxic fumes emitted by polytetrafluorethylene (PTFE) when it is heated to the temperature required for soldering.
- 2.2.2 The dangers of handling cigarettes and tobacco in areas which may contain pieces of PTFE insulation stripped from cables or wires.
- 2.3 This INTERIM Section of the Standard has been devised for the use of the Ministry of Defence and of its contractors in the execution of contracts for the Ministry and, subject to the Unfair Contract Terms Act 1977, the Ministry will not be liable in any way whatever (including but without limitation negligence on the part of the Ministry its servants or agents) where the Standard is used for other purposes.

3. MATERIALS

- 3.1 This INTERIM Section of the Standard specifies two wire lengths; one of 0.5 in (12.7 mm) and the other 18 in (457.2 mm).
- 3.1.2 The 0.5 in length is to be of 24 AWG wire, gold plated, non-insulated.
- 3.1.3 The 18 in length is 7/0.0063 silver plated copper wire PTFE insulated in accordance with MIL-W-16878/4A, coloured yellow in accordance with BS 6746C and should conform to the requirements of DEF STAN 61-12 (PART 8)/2.
- 3.1.4 For installation purposes when a shorter length than 18 in is required the standard 18 in length may be cut to meet Service requirements.

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 8/1

4. QUALIFICATION APPROVAL

- 4.1 It is essential that having selected a particular component from the standard ranges listed in this INTERIM Section of the Standard reference is made to:

DEF STAN 59-59 'Electrical/Electronic components for Defence use.  
Services qualified products list' or

PD 9002 'BS 9000 and BS CECC: Qualified products list'

to ascertain that a Qualification Approval certificate is extant for the item concerned. If there is no such certificate at the time of selection then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

- 4.1.1 Where no Qualification Approval exists or selection from Table I cannot be made then the procedure given in DEF STAN 59-36 (PART 2) shall apply.
- 4.1.2 For qualification approval purposes the lengths of fitted conductors are 01 - 0.5 in (12.7 mm), 02 - 18.0 in (457.2 mm) Yellow PTFE.

5. ORDERING INFORMATION

- 5.1 When ordering lead assembly, electrical, (connectors, electrical) listed in this INTERIM Section of the Standard, the ordering information required by BS 9523 F0002, Clause 5, this INTERIM Defence Standard number and the NATO Stock Number(s) shall be stated, together with the packaging requirements.

- 5.1.1 If any difficulties arise from the identification of lead assembly, electrical (connectors, electrical) against NATO Stock Numbers, clarification should be sought from:

The Defence Codification Authority  
Ministry of Defence  
Leysdown Road  
Mottingham  
LONDON SE9 3NN

5.1.2 STYLE REFERENCE

The style references used in this INTERIM Section of the Standard are in accordance with Clause 1.1.6 of BS 9520 and consist of abbreviations to identify individual connectors as follows:

Typical style reference

|                                          |       |          |      |    |
|------------------------------------------|-------|----------|------|----|
| Style number                             | _____ | FR 3 XXX | X XX | XX |
| Housing (shell) size/contact arrangement | _____ |          |      |    |
| Variant                                  | _____ |          |      |    |

INTERIM DEF STAN 59-35(PART 3)  
SECTION 8/1

8. RELATIONSHIP BETWEEN DEFENCE STANDARDS AND CECC/BS 9000 SERIES

For details of the relationship between Defence Standards and CECC/British Standard 9000 series reference should be made to DEF STAN 59-36 (PART 1).

9. IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

When CECC/BS Harmonized Sectional and Detail Specifications relevant to this INTERIM Section of the Standard are published and their implementation is agreed by the MSO then this INTERIM Section will be amended to give details of the CECC documents concerned ie CECC 20,000 series.

|                                           |                                                                                                                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Style number:                             | As in Example 5.1.2.1                                                                                                                                                                                  |
| Housing (shell) size/contact arrangement: | Three digits 1-09 as shown in example.                                                                                                                                                                 |
| Variant:                                  | Two digits indicating variation in factory fitted conductors according to the following:-<br><br>01 - Size 24 AWG gold plated wire non-insulated.<br><br>02 - Size 26 PTFE insulated wire 7/0.0063 in. |

5.1.2.1 Example: FR 3004-1-09-02 (Wire length and colour coding to customer requirement).

5.1.2.2 Example for ordering

Lead assembly, electrical (connectors, electrical), BS 9523 F0002 and DEF STAN 59-35 (PART 3) Section 8 Issue Ø, Style FR 3004-1-09-01, NATO Stock Number 5935-99-654-2767.

Note: Ø indicates that the current Issue No is applicable

6. PACKAGING INSTRUCTION

6.1 The packaging of lead assembly, electrical (connectors, electrical) is to be in accordance with the packaging instructions given in CPU Packag( , Specification No CPU/PIP/109, Issue 1, Packaging of connectors, electrical, unless otherwise stated in any tender or contract

6.1.1 Additional requirements for marking and packaging of Pattern 9523 F0002 lead assembly, electrical (connectors, electrical) for Service use are given in DEF STAN 59-35 (PART 3).

7. SUPPLEMENTARY INFORMATION

Additional requirements to those specified by BS 9520 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

TABLE 1(A)  
STANDARD RANGE  
LEAD ASSEMBLY, ELECTRICAL (CONNECTORS, ELECTRICAL)  
FLANGE MOUNT - JACKSCREW (std) WITH MALE CONTACTS

SPECIFICATION: BS 9523 F0002  
PATTERN NUMBER: 9523 F0002  
STYLE NUMBER: FR3004

| PAGE<br>ITEM<br>NO | WIRE LENGTH 0.5" (12.7 mm)<br>24 AWG WIRE, GOLD PLATED, NON-INSULATED |                        |                              |                                     | WIRE LENGTH 18" (457.2 mm)<br>YELLOW PTFE INSULATED |                        |                              |                                     | SERVICE<br>MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------------------------------------------------|------------------------|------------------------------|-------------------------------------|-----------------------------------------------------|------------------------|------------------------------|-------------------------------------|--------------------------------|------|--------------|
|                    | RANGE                                                                 |                        | MALE CONTACT                 |                                     | RANGE                                               |                        | MALE CONTACT                 |                                     | NAVY                           | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                                                         | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | SHELL<br>SIZE                                       | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                                |      |              |
|                    | (a)                                                                   | (b)                    | (c)                          | (d)                                 | (e)                                                 | (f)                    | (g)                          | (h)                                 |                                |      |              |
| 1                  | 1                                                                     | 09                     | FR3004-1-09-01               | 654-2767                            | 1                                                   | 09                     | FR3004-1-09-02               | 654-2768                            | - -                            | - -  | - -          |
| 2                  | 2                                                                     | 15                     | FR3004-2-15-01               | 654-2769                            | 2                                                   | 15                     | FR3004-2-15-02               | 654-2770                            | - -                            | - -  | - -          |
| 3                  | 3                                                                     | 21                     | FR3004-3-21-01               | 654-2771                            | 3                                                   | 21                     | FR3004-3-21-02               | 654-2772                            | - -                            | - -  | - -          |
| 4                  | 4                                                                     | 25                     | FR3004-4-25-01               | 654-2773                            | 4                                                   | 25                     | FR3004-4-25-02               | 654-2774                            | - -                            | - -  | - -          |
| 5                  | 5                                                                     | 31                     | FR3004-5-31-01               | 654-2775                            | 5                                                   | 31                     | FR3004-5-31-02               | 654-2776                            | - -                            | - -  | - -          |
| 6                  | 6                                                                     | 37                     | FR3004-6-37-01               | 654-2777                            | 6                                                   | 37                     | FR3004-6-37-02               | 654-2778                            | - -                            | - -  | - -          |
| 7                  | 7                                                                     | 51                     | FR3004-7-51-01               | 654-2779                            | 7                                                   | 51                     | FR3004-7-51-02               | 654-2780                            | - -                            | - -  | - -          |

Notes applicable to this Table are on page 12.

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 8/1  
TABLE 1(A)

TABLE 1(B)  
STANDARD RANGE  
LEAD ASSEMBLY, ELECTRICAL (CONNECTORS, ELECTRICAL)  
FLANGE MOUNT - JACKSCREW (std) WITH FEMALE CONTACTS

SPECIFICATION: BS 9523 F0002  
PATTERN NUMBER: 9523 F0002  
STYLE NUMBER: FR3005

| PAGE<br>ITEM<br>NO | WIRE LENGTH 0.5" (12.7 mm)<br>24 AWG WIRE, GOLD PLATED, NON-INSULATED |                        |                              |                                     |  | WIRE LENGTH 18" (457.2 mm)<br>YELLOW PTFE INSULATED |                        |                              |                                     | SERVICE<br>MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------------------------------------------------|------------------------|------------------------------|-------------------------------------|--|-----------------------------------------------------|------------------------|------------------------------|-------------------------------------|--------------------------------|------|--------------|
|                    | RANGE                                                                 |                        | FEMALE CONTACT               |                                     |  | RANGE                                               |                        | FEMALE CONTACT               |                                     | NAVY                           | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                                                         | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |  | SHELL<br>SIZE                                       | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                                |      |              |
|                    | (a)                                                                   | (b)                    | (c)                          | (d)                                 |  | (e)                                                 | (f)                    | (g)                          | (h)                                 |                                |      |              |
| 1                  | 1                                                                     | 09                     | FR3005-1-09-01               | 654-2781                            |  | 1                                                   | 09                     | FR3005-1-09-02               | 654-2782                            | - -                            | - -  | - -          |
| 2                  | 2                                                                     | 15                     | FR3005-2-15-01               | 654-2783                            |  | 2                                                   | 15                     | FR3005-2-15-02               | 654-2784                            | - -                            | - -  | - -          |
| 3                  | 3                                                                     | 21                     | FR3005-3-21-01               | 654-2785                            |  | 3                                                   | 21                     | FR3005-3-21-02               | 654-2786                            | - -                            | - -  | - -          |
| 4                  | 4                                                                     | 25                     | FR3005-4-25-01               | 654-2787                            |  | 4                                                   | 25                     | FR3005-4-25-02               | 654-2788                            | - -                            | - -  | - -          |
| 5                  | 5                                                                     | 31                     | FR3005-5-31-01               | 654-2789                            |  | 5                                                   | 31                     | FR3005-5-31-02               | 654-2790                            | - -                            | - -  | - -          |
| 6                  | 6                                                                     | 37                     | FR3005-6-37-01               | 654-2791                            |  | 6                                                   | 37                     | FR3005-6-37-02               | 654-2792                            | - -                            | - -  | - -          |
| 7                  | 7                                                                     | 51                     | FR3005-7-51-01               | 654-2793                            |  | 7                                                   | 51                     | FR3005-7-51-02               | 654-2794                            | - -                            | - -  | - -          |

Notes: Applicable to this Table are on page 12.

TABLE I(C)  
STANDARD RANGE  
LEAD ASSEMBLY, ELECTRICAL (CONNECTORS, ELECTRICAL)

FLANGE MOUNT, JACKPOST WITH MALE CONTACTS

SPECIFICATION: BS 9523 F0002  
PATTERN NUMBER: 9523 F0002  
STYLE NUMBER: FR3008

| PAGE<br>ITEM<br>NO | WIRE LENGTH 0.5" (12.7 mm)<br>24 AWG WIRE, GOLD PLATED, NON-INSULATED |                        |                              |                                     | WIRE LENGTH 18" (457.2 mm)<br>YELLOW PTFE INSULATED |                        |                              |                                     | SERVICE<br>MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------------------------------------------------|------------------------|------------------------------|-------------------------------------|-----------------------------------------------------|------------------------|------------------------------|-------------------------------------|--------------------------------|------|--------------|
|                    | RANGE                                                                 |                        | MALE CONTACT                 |                                     | RANGE                                               |                        | MALE CONTACT                 |                                     | NAVY                           | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                                                         | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | SHELL<br>SIZE                                       | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                                |      |              |
|                    | (a)                                                                   | (b)                    | (c)                          | (d)                                 | (e)                                                 | (f)                    | (g)                          | (h)                                 | (j)                            | (k)  | (l)          |
| 1                  | 1                                                                     | 09                     | FR3008-1-09-01               | 654-2795                            | 1                                                   | 09                     | FR3008-1-09-02               | 654-2796                            | - -                            | - -  | - -          |
| 2                  | 2                                                                     | 15                     | FR3008-2-15-01               | 654-2797                            | 2                                                   | 15                     | FR3008-2-15-02               | 654-2798                            | - -                            | - -  | - -          |
| 3                  | 3                                                                     | 21                     | FR3008-3-21-01               | 654-2799                            | 3                                                   | 21                     | FR3008-3-21-02               | 654-2800                            | - -                            | - -  | - -          |
| 4                  | 4                                                                     | 25                     | FR3008-4-25-01               | 654-2801                            | 4                                                   | 25                     | FR3008-4-25-02               | 654-2802                            | - -                            | - -  | - -          |
| 5                  | 5                                                                     | 31                     | FR3008-5-31-01               | 654-2803                            | 5                                                   | 31                     | FR3008-5-31-02               | 654-2804                            | - -                            | - -  | - -          |
| 6                  | 6                                                                     | 37                     | FR3008-6-37-01               | 654-2805                            | 6                                                   | 37                     | FR3008-6-37-02               | 654-2806                            | - -                            | - -  | - -          |
| 7                  | 7                                                                     | 51                     | FR3008-7-51-01               | 654-2807                            | 7                                                   | 51                     | FR3008-7-51-02               | 654-2808                            | - -                            | - -  | - -          |

Notes applicable to this Table are on page 12.

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 8/1  
TABLE I(C)

TABLE 1(D)  
STANDARD RANGE  
LEAD ASSEMBLY, ELECTRICAL (CONNECTORS, ELECTRICAL)  
FLANGE MOUNT, JACKPOST WITH FEMALE CONTACTS

SPECIFICATION: BS 9523 F0002  
PATTERN NUMBER: 9523 F0002  
STYLE NUMBER: FR3009

| PAGE<br>ITEM<br>NO | WIRE LENGTH 0.5" (12.7 mm)<br>24 AWG WIRE, GOLD PLATED, NON-INSULATED |                        |                              |                                     | WIRE LENGTH 18" (457.2 mm)<br>YELLOW PTFE INSULATED |                        |                              |                                     | SERVICE<br>MANAGEMENT<br>CODES |      |              |
|--------------------|-----------------------------------------------------------------------|------------------------|------------------------------|-------------------------------------|-----------------------------------------------------|------------------------|------------------------------|-------------------------------------|--------------------------------|------|--------------|
|                    | RANGE                                                                 |                        | FEMALE CONTACT               |                                     | RANGE                                               |                        | FEMALE CONTACT               |                                     | NAVY                           | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                                                         | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- | SHELL<br>SIZE                                       | CONTACT<br>ARRANGEMENT | STYLE<br>REFERENCE<br>NUMBER | NATO<br>STOCK<br>NUMBER<br>5935-99- |                                |      |              |
|                    | (a)                                                                   | (b)                    | (c)                          | (d)                                 | (e)                                                 | (f)                    | (g)                          | (h)                                 |                                |      |              |
| 1                  | 1                                                                     | 09                     | FR3009-1-09-01               | 654-2809                            | 1                                                   | 09                     | FR3009-1-09-02               | 654-2810                            | - -                            | - -  | - -          |
| 2                  | 2                                                                     | 15                     | FR3009-2-15-01               | 654-2811                            | 2                                                   | 15                     | FR3009-2-15-02               | 654-2812                            | - -                            | - -  | - -          |
| 3                  | 3                                                                     | 21                     | FR3009-3-21-01               | 654-2813                            | 3                                                   | 21                     | FR3009-3-21-02               | 654-2814                            | - -                            | - -  | - -          |
| 4                  | 4                                                                     | 25                     | FR3009-4-25-01               | 654-2815                            | 4                                                   | 25                     | FR3009-4-25-02               | 654-2816                            | - -                            | - -  | - -          |
| 5                  | 5                                                                     | 31                     | FR3009-5-31-01               | 654-2817                            | 5                                                   | 31                     | FR3009-5-31-02               | 654-2818                            | - -                            | - -  | - -          |
| 6                  | 6                                                                     | 37                     | FR3009-6-37-01               | 654-2819                            | 6                                                   | 37                     | FR3009-6-37-02               | 654-2820                            | - -                            | - -  | - -          |
| 7                  | 7                                                                     | 51                     | FR3009-7-51-01               | 654-2821                            | 7                                                   | 51                     | FR3009-7-51-02               | 654-2822                            | - -                            | - -  | - -          |

Notes applicable to this Table are on page 12.

TABLE I(E)  
STANDARD RANGE  
ACCESSORIES

EDGEBOARD MOUNTING BRACKET

| PAGE<br>ITEM<br>NO | For use with<br>Housing size:-<br>(a) | STYLE<br>REFERENCE<br>NUMBER<br>(b) | MAX<br>MASS<br>(g)<br>(c) | NATO<br>STOCK NO<br>(d) | SERVICE<br>MANAGEMENT<br>CODES |             |                  |
|--------------------|---------------------------------------|-------------------------------------|---------------------------|-------------------------|--------------------------------|-------------|------------------|
|                    |                                       |                                     |                           |                         | NAVY<br>(e)                    | ARMY<br>(f) | AIR FORCE<br>(g) |
| 1                  | 1 to 6                                | FA3010                              | 0.4                       | 5935-99-654-5236        | - -                            | - -         | - -              |
| 2                  | 7                                     | FA3011                              | 0.45                      | 5935-99-654-5237        | - -                            | - -         | - -              |

Notes applicable to this Table are on page 12.

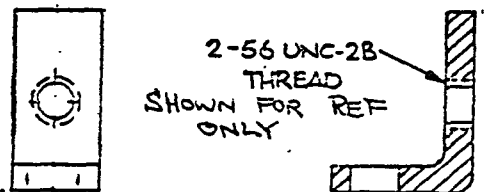


FIG. 1.

SCREW LOCK ASSEMBLY

| PAGE<br>ITEM<br>NO | STYLE<br>REFERENCE<br>NUMBER<br>(a) | MAX<br>MASS<br>(g)<br>(b) | NATO<br>STOCK NO<br>(c) | SERVICE<br>MANAGEMENT<br>CODES |             |                  |
|--------------------|-------------------------------------|---------------------------|-------------------------|--------------------------------|-------------|------------------|
|                    |                                     |                           |                         | NAVY<br>(d)                    | ARMY<br>(e) | AIR FORCE<br>(f) |
| 3                  | FA3012                              | 1.1                       | 5935-99-654-5238        | - -                            | - -         | - -              |

Notes applicable to this Table are on page 12.

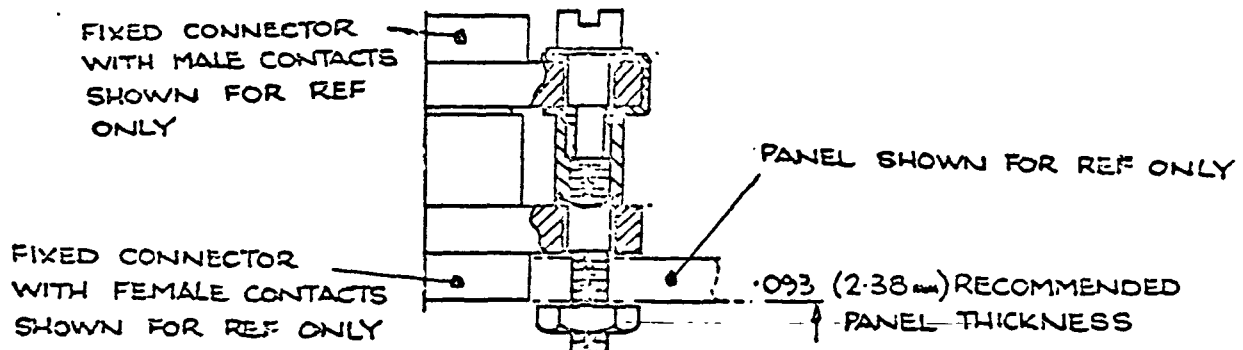


FIG. 2.

NOTE: MOUNTING POST OR CAPTIVATED SCREW CAN BE ATTACHED TO EITHER CONNECTOR

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 8/1  
ANNEX A

NOTES APPLICABLE TO TABLES

1. When only a Service Management code appears in the Navy column, the full Navy number is the last seven digits of the NATO Stock Number prefixed by the code, eg 0568/654-2767.
2. When only a Service Management code appears in the Army column, the full Army number is the NATO Stock Number prefixed by that code, eg Z1/5935-99-654-2767.
3. When only Service Management code appears in the Air Force column, the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code, eg 10H/6542767 (the number is not hyphenated).
4. - - indicates that, at the date of publication of this INTERIM Section of the Standard, the Service concerned does not use the item.

ANNEX A  
MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF)

The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (LF) on behalf of the Ministry of Defence who may be contacted at the following address:

Procurement Executive  
Ministry of Defence  
Royal Signals and Radar Establishment  
Leigh Sinton Road  
Great Malvern  
Worcestershire WR14 1LL

ANNEX B

1. RELATED SPECIFICATIONS AND DOCUMENTS
- 1.1 Reference is made in this INTERIM Section of the Standard to:

|                              |                                                                                                                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                      | 'General requirements for electronic components of assessed quality'                                                                                                                                                            |
| BS 9520                      | 'Electrical connectors of assessed quality for frequencies below 3 MHz: Generic data and methods of test'                                                                                                                       |
| BS 9523 F0002                | 'Multi-contact rectangular connectors with integral metal housings (shells). Environment resistant with polarized housing and non-removable contacts which are fitted to conductors during manufacture'                         |
| BS 6746C                     | 'Colour Chart for PVC insulation and sheath of electric cables'                                                                                                                                                                 |
| PD 9002                      | 'BS 9000 and BS CECC: Qualified products list'                                                                                                                                                                                  |
| DEF STAN 59-35<br>(PART 3/1) | 'Connectors for dc and low frequency applications'                                                                                                                                                                              |
| DEF STAN 59-36<br>(PART 1)   | 'Electronic components for Defence purposes. PART 1: The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                         |
| DEF STAN 59-36<br>(PART 2)   | 'Electronic components for Defence purposes. PART 2: Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected' |
| DEF STAN 59-59               | 'Electrical/Electronic components for Defence use - Services qualified products list'                                                                                                                                           |
| DEF STAN 61-12(PART 8)/2     | 'Wires, cords, and cables electrical-metric units. Part 8: PTFE insulated equipment wires'                                                                                                                                      |
| MIL-W-16878/4A               | 'Wire electrical, Type E'                                                                                                                                                                                                       |
| CPU/PIP/109-1                | 'Specification for the packaging of connectors electrical'                                                                                                                                                                      |
- 1.2 Reference in this INTERIM Section of the Standard to any related document means, in any tender or contract, the edition current at the date of such tender or contract unless a specific issue is indicated.

INTERIM DEF STAN 59-35 (PART 3)  
SECTION 8/1  
ANNEX B (CONTD)

2. The following documents and specifications are obtainable from the addresses shown:
- 2.1 Copies of British Standards are obtainable from the:
- British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND.
- 2.2 Copies of BS 9000 'F' Specifications are obtainable from the relevant manufacturer listed in PD 9002.
- 2.3 Copies of Packaging Specification No CPU/PIP/109-1 are obtainable from the:
- Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW
- 2.4 Copies of PD 9002 are obtainable from the:
- British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR
- 2.5 Copies of Defence Standards are obtainable from the:
- Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE
- 2.6 Copies of MIL Specifications are obtainable from the:
- Defence Research and Information Centre  
(DRIC)  
Room 209 Block B  
Station Square House  
St Mary Cray  
Orpington  
Kent BR5 3RE

3. DATA SHEETS

- 3.1 In addition to the documents listed in sub-clause 1.1, Data Sheets, which when published will contain abridged data from the BS 9520 series, are available to Defence contractors under reference:

DEF STAN 59-35 (PART 99) - Connectors, Electrical, Data Sheets  
for BS 9000 Detail Specifications.

- 3.2 Any enquiries regarding Data Sheets should be addressed to the:

Directorate of Standardization,  
Stan 7/8 (Sec)  
First Avenue House  
High Holborn  
London WC1V 6HE

OBSOLESCENT

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**Ministry of Defence**

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**Defence Standard**

**59—35(PART 3)**

**SECTION 12/Issue 1**

**17 August 1983**

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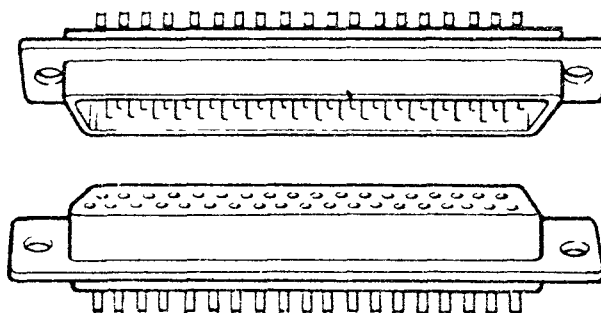
**CONNECTORS, ELECTRICAL**

**PART 3: CONNECTORS FOR d.c. AND**

**LOW FREQUENCY APPLICATIONS**

**SECTION 12: PATTERN 9523 F0013**

**LIST OF ITEMS CONFORMING  
TO BS 9523 F0013**



~ OBSOLESCENT ~

**THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT**

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CONNECTORS, ELECTRICAL

PART 3: CONNECTORS, ELECTRICAL, FOR dc AND LOW FREQUENCY APPLICATIONS

SECTION 12: PATTERN 9523 F0013

(Formerly known as MOD Pattern 110)

|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| <p>This Section of the Defence Standard supersedes DEF STAN 59-35 (PART 1) SECTION 5 Issue 1 dated 13 July 1972</p> |
|---------------------------------------------------------------------------------------------------------------------|

- 1 This Section of Defence Standard 59-35 (PART 3) implements BS 9523 F0013 'Detail Specification for electrical connectors for dc and low frequency applications, multi-contact, rectangular, with integral metal housing (shell), unsealed with trapezoidal polarized housing and non-removable solder contacts'. Environmental category 55/125/56. It is for Ministry of Defence use.
- 2 This Section of the Standard is to be used in conjunction with DEF STAN 59-35 (PART 3) 'Connectors, electrical, for dc and low frequency applications' and BS 9520 'Specification for electrical connectors of assessed quality for frequencies below 3 MHz'. All the requirements are applicable unless stated herein.
- 3 This Section of the Standard implements NATO Electronic Parts Recommendation (NEPR) No 29, 'Standardization of connectors, multi-contact, electrical, miniature, trapezoidal, metal shell'. The substance of the recommendation is given in Annex B.
- 4 Tables I(A) and I(B) list the standard range of connectors, electrical, to be used in all future designs of equipment and, wherever acceptable, for the maintenance of existing equipment.
- 4.1 There are no Tables II or III.
- 5 Related documents are listed in DEF STAN 59-35 (PART 3), and Annex D of this Section of the Standard.
- 6 This Section of the Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer, see Annex C.
- 7 This Section of the Standard has been devised for the use of the Crown and of its contractors in the execution of contracts for the Crown and subject to the Unfair Contract Terms Act 1977 the Crown will not be liable in any way whatever (including but without limitation negligence on the part of the Crown, its servants or agents) where the Standard is used for other purposes.

- 8        This Section of the Standard has been agreed by authorities concerned. It is to be implemented, wherever practicable, in all designs, contracts orders, etc commencing after its date of publication. If a difficulty arises which prevents application of the Defence Standard, the Directorate of Standardization shall be informed so that a remedy can be sought.
  
- 9        Any enquiries regarding this Section of the Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

| <u>INDEX TO CONTENTS</u>                                                                                                                                                                                                           | <u>PAGE NO</u> |
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| SUMMARY OF TECHNICAL DATA FOR CONNECTORS, ELECTRICAL,<br>LISTED IN TABLES I(A) AND I(B)                                                                                                                                            | 4              |
| CONNECTORS, ELECTRICAL - PATTERN 9523 F0013<br>GENERAL INFORMATION                                                                                                                                                                 | 5              |
| <u>CONNECTORS, ELECTRICAL</u>                                                                                                                                                                                                      |                |
| TABLE I(A) ) (PATTERN 9523 F0013<br>) (CONNECTOR, FIXED - NORMAL MOUNTING<br>) (STYLE NO R3101: FEMALE SHELL WITH MALE CONTACTS<br>)STANDARD (STYLE NO R3103: MALE SHELL WITH FEMALE CONTACTS<br>) (<br>)RANGE (PATTERN 9523 F0013 | 8              |
| TABLE I(B) ) (CONNECTOR, FIXED - FLOATING BUSH MOUNTING<br>) (STYLE NO R3102: FEMALE SHELL WITH MALE CONTACTS<br>) (STYLE NO R3104: MALE SHELL WITH FEMALE CONTACTS                                                                | 9              |
| NOTES APPLICABLE TO TABLES                                                                                                                                                                                                         | 10             |
| <u>ANNEXES</u>                                                                                                                                                                                                                     |                |
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| ANNEX B SUBSTANCE OF NEPR No 29                                                                                                                                                                                                    | 12             |
| ANNEX C MASTER SPECIFICATION OFFICER<br>FOR CONNECTORS (LF)                                                                                                                                                                        | 13             |
| ANNEX D RELATED DOCUMENTS                                                                                                                                                                                                          | 14-15          |

SUMMARY OF TECHNICAL DATA  
FOR  
CONNECTORS, ELECTRICAL, LISTED IN TABLES I(A) AND I(B)

BS 9523 F0013

|                                                                                                        |                               |
|--------------------------------------------------------------------------------------------------------|-------------------------------|
| Housing size                                                                                           | 1, 2, 3, 4 and 5              |
| Number of contacts                                                                                     | 9, 15, 25, 37 and 50          |
| Environmental category                                                                                 | 55/125/56                     |
| Sealing                                                                                                | Non sealed                    |
| Polarization                                                                                           | Trapezoidal polarized housing |
| Working voltage (nominal)<br>dc or ac peak                                                             | 750 Volts at sea level        |
| Voltage proof<br>dc or ac peak                                                                         | 2500 Volts at sea level       |
| Maximum current per individual contact (in isolation) at a maximum ambient temperature of 85°C = 7.5A  |                               |
| Maximum current per contact through all contacts simultaneously at an ambient temperature of 85°C = 5A |                               |

CONNECTORS, ELECTRICAL

GENERAL INFORMATION - PATTERN 9523 F0013

1 SCOPE

- 1.1 This Section of Defence Standard 59-35 (PART 3) lists details of connectors, electrical, for dc and low frequency applications, multi-contact, rectangular, with integral metal housing, (shell) unsealed with trapezoidal polarized housing and non-removable solder contacts.
- 1.2 Primarily for rack and panel connections.
- 1.3 Available in fixed and floating bush mounting styles. The floating bush mounting styles will permit 0.30 mm (0.012 in) misalignment, but are not intended to be mated together.
- 1.4 Two finishes are available for the standard housing (shell) which may be either:
  - 1.4.1 Yellow chromate conversion over chromium plate
  - or
  - 1.4.2 Passivated zinc plating.

2 WARNING

- 2.1 This Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to Health and Safety at any stage of manufacture or use.

QUALIFICATION APPROVAL

- 3.1 It is essential that having selected a particular component from the standard ranges listed in this Section of the Standard, reference is made to:

DEF STAN 59-59 'Electrical/Electronic components for Defence use:  
Service qualified products list, including components of  
assessed quality'

or

PD 9002 'BS 9000 and BS CECC: Qualified products list'

to ascertain that a Qualification Approval Certificate is extant for the item concerned. If there is no such certificate at the time of selection, then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

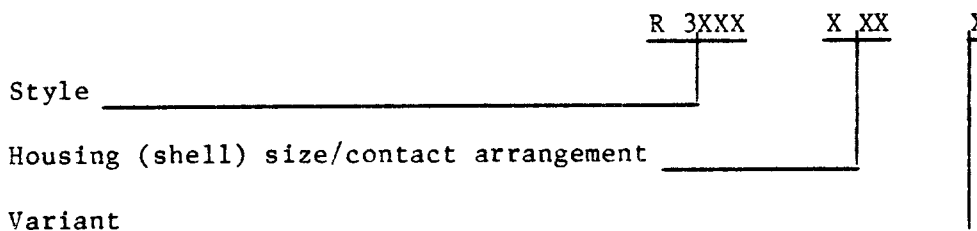
- 3.1.1 Where no Qualfication Approval exists, or selection from an item in Table I(A) or I(B) cannot be made, then the procedure given in DEF STAN 59-36 (PART 2) shall apply.

4 ORDERING INFORMATION

- 4.1 When ordering connectors, electrical, listed in this Section of the Standard the ordering information required by BS 9523 F0013, Clause 5, this Defence Standard number and the NATO Stock Number(s) shall be stated, together with the packaging requirements.

5 STYLE REFERENCE

- 5.1 The style references used in this Section of the Standard are in accordance with Clause 1.1.6 of BS 9520 and consist of abbreviations to identify individual connectors as follows:



Style number: As shown in headings to Tables I(A) and I(B).

Housing (shell) size/

contact arrangement: These digits as shown in Tables I(A) and I(B).

Variant: A digit denoting the types of finish.

- 5.1.1 Example style reference number: R3101 3 25 0

5.2 Example for ordering

Connector, electrical, BS 9523 F0013, and DEF STAN 59-35 (PART 3)  
Section 12, Issue  $\emptyset$ , Style R3101 1 9 0 NATO Stock Number  
5935-99-014-1442.

Note:  $\emptyset$  indicates that the current Issue number is applicable.

6 CODIFICATION IDENTIFICATION

- 6.1 If any difficulties arise from the identification of connectors electrical, against NATO Stock Number(s), clarification should be sought from:

The Defence Codification Authority  
Ministry of Defence  
Leysdown Road  
Mottingham  
London SE9 3NN

7 PACKAGING INSTRUCTION

- 7.1 The packaging of connectors, electrical, is to be in accordance with the packaging instructions, given in CPU/PIP/109-1, unless otherwise stated in any tender or contract.
- 7.2 Additional requirements for marking and packaging of Pattern 9523 F0013 connectors, electrical, for Service use are given in DEF STAN 59-35 (PART 3).

8 ILLUSTRATIONS

The essential purpose of the illustrations shown in this Section of the Standard is to ensure mechanical interchangeability. IT IS ESSENTIAL THAT, FOR ALL REQUIREMENTS, DESIGNERS WORK TO THE DIMENSIONS STATED IN BS 9523 F0013 AND NOT TO THOSE OF INDIVIDUAL SPECIMENS.

9 SUPPLEMENTARY INFORMATION

Additional requirements to those specified by BS 9520 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

10 RELATIONSHIP BETWEEN DEFENCE STANDARDS AND CECC/BS 9000 SERIES OF STANDARDS

For details of the relationship between Defence Standard and CECC/British Standard 9000 series of Standards reference should be made to DEF STAN 59-36 (PART 1).

11 IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

When CECC/BS Harmonized Sectional and Detail Specifications relevant to this Section of the Standard are published and their implementation is agreed by the MSO then this Section will be amended to give details of the CECC documents concerned, ie CECC 20 000 series.

TABLE I(A)  
STANDARD RANGE  
CONNECTOR, ELECTRICAL, PATTERN 9523 F0013

STYLE: CONNECTOR, FIXED - NORMAL MOUNTING

SPECIFICATION: BS 9523 F0013

STYLE NUMBERS: R3101 AND R3103

CONTACT ARRANGEMENT: See Annex A on page 11

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                                              |                                     |                                              | SERVICE MANAGEMENT CODES            |      |      |              |
|--------------------|------------------------------|-----------------------------|----------------------------------------------|-------------------------------------|----------------------------------------------|-------------------------------------|------|------|--------------|
|                    | RANGE                        |                             | FEMALE SHELL WITH MALE CONTACTS              |                                     | MALE SHELL WITH FEMALE CONTACTS              |                                     | NAVY | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT | STYLE<br>REFERENCE<br>NUMBER<br>(see Note 1) | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER<br>(see Note 1) | NATO<br>STOCK<br>NUMBER<br>5935-99- |      |      |              |
|                    | (a)                          |                             | (b)                                          | (c)                                 | (d)                                          | (e)                                 | (f)  | (g)  | (h)          |
| 1                  | 1                            | - 9                         | R3101 1 9 0                                  | 014-1442                            | R3103 1 9 0                                  | 014-9583                            | 0568 | Z32  | 10H          |
| 2                  | 2                            | - 15                        | R3101 2 15 0                                 | 014-1443                            | R3103 2 15 0                                 | 014-9585                            | 0568 | Z32  | 10H          |
| 3                  | 3                            | - 25                        | R3101 3 25 0                                 | 014-1444                            | R3103 3 25 0                                 | 014-9587                            | 0568 | Z32  | 10H          |
| 4                  | 4                            | - 37                        | R3101 4 37 0                                 | 014-1445                            | R3103 4 37 0                                 | 014-9589                            | 0568 | Z32  | 10H          |
| 5                  | 5                            | - 50                        | R3101 5 50 0                                 | 014-1446                            | R3103 5 50 0                                 | 014-9591                            | 0568 | Z32  | 10H          |

Notes applicable to the TABLE are on page 10.

TABLE I(B)

STANDARD RANGE

CONNECTOR, ELECTRICAL, PATTERN 9523 F0013

STYLE: CONNECTOR, FIXED - FLOATING BUSH MOUNTING

SPECIFICATION: BS 9523 F0013

STYLE NUMBERS: R3102 AND R3104

CONTACT ARRANGEMENT: See Annex A on page 11

| PAGE<br>ITEM<br>NO | CONNECTOR, FIXED, ELECTRICAL |                             |                                              |                                     |                                              |                                     | SERVICE MANAGEMENT CODES |      |              |
|--------------------|------------------------------|-----------------------------|----------------------------------------------|-------------------------------------|----------------------------------------------|-------------------------------------|--------------------------|------|--------------|
|                    | RANGE                        |                             | FEMALE SHELL WITH MALE CONTACTS              |                                     | MALE SHELL WITH FEMALE CONTACTS              |                                     | NAVY                     | ARMY | AIR<br>FORCE |
|                    | SHELL<br>SIZE                | CONTACT<br>ARRANGE-<br>MENT | STYLE<br>REFERENCE<br>NUMBER<br>(see Note 1) | NATO<br>STOCK<br>NUMBER<br>5935-99- | STYLE<br>REFERENCE<br>NUMBER<br>(see Note 1) | NATO<br>STOCK<br>NUMBER<br>5935-99- |                          |      |              |
|                    | (a)                          |                             | (b)                                          | (c)                                 | (d)                                          | (e)                                 | (f)                      | (g)  | (h)          |
| 1                  | 1                            | - 9                         | R3102 1 9 0                                  | 014-7491                            | R3104 1 9 0                                  | 014-7492                            | 0568                     | Z32  | 10H          |
| 2                  | 2                            | - 15                        | R3102 2 15 0                                 | 014-7493                            | R3104 2 15 0                                 | 014-7494                            | 0568                     | Z32  | 10H          |
| 3                  | 3                            | - 25                        | R3102 3 25 0                                 | 014-7495                            | R3104 3 25 0                                 | 014-7496                            | 0568                     | Z32  | 10H          |
| 4                  | 4                            | - 37                        | R3102 4 37 0                                 | 014-7497                            | R3104 4 37 0                                 | 014-7498                            | 0568                     | Z32  | 10H          |
| 5                  | 5                            | - 50                        | R3102 5 50 0                                 | 014-7499                            | R3104 5 50 0                                 | 014-7500                            | 0568                     | Z32  | 10H          |

Notes applicable to the TABLE are on page 10.

NOTES APPLICABLE TO TABLES

- 1        The final digit 0 in columns (b) and (d) indicates that two types of housing (shell) are available as described in clause 1.4 on page 5.
- 2        When only a Service domestic management code appears in the Navy column, the Stock Number is the last nine digits of the NATO Stock Number prefixed by that Management Code, eg 0568/99-014-1442.
- 3        When only a Service domestic management code appears in the Army column, the Army catalogue number is the NATO Stock Number prefixed by that code eg Z32/5935-99-014-1442.
- 4        When only a Service management code appears in the Air Force column the full Air Force number may be the last seven digits of the NATO Stock Number prefixed by that code eg 10H/0141442 (the number is not hyphenated).

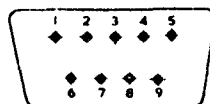
# ANNEX A

## CONTACT ARRANGEMENTS

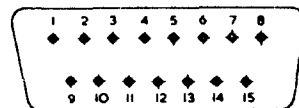
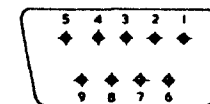
Female shells with male contacts

(Viewed on mating faces)

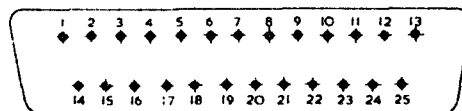
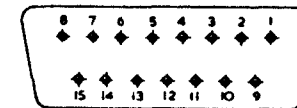
Male shells with female contacts



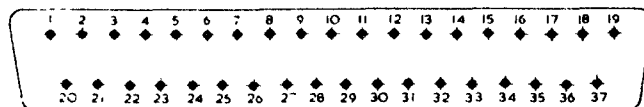
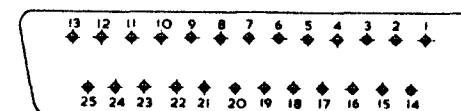
Housing (Shell) size 1 Contact arrangement 09



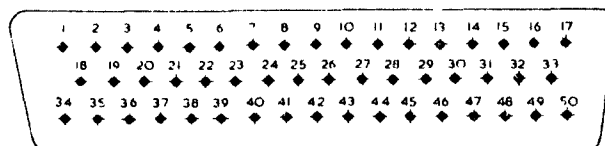
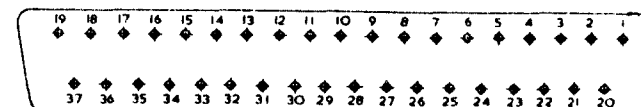
Housing (Shell) size 2 Contact arrangement 15



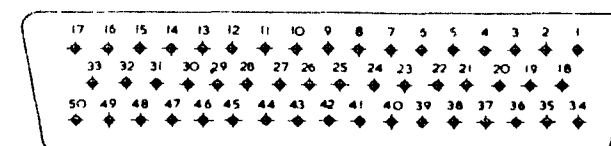
Housing (Shell) size 3 Contact arrangement 25



Housing (Shell) size 4 Contact arrangement 37



Housing (Shell) size 5 Contact arrangement 50



ANNEX B

NATO ELECTRONIC PARTS RECOMMENDATION

(NEPR)

STANDARDIZATION OF CONNECTORS, MULTI-CONTACT

ELECTRICAL, MINIATURE, TRAPEZOIDAL, METAL SHELL

NEPR NO 29

SUBSTANCE OF NEPR

- B.1 This recommendation applies to trapezoidal, metal shell, for rack and panel and associated applications, electrical connectors, for military electronic equipment of every category.
- B.2 The electrical connectors defined therein are recommended for use in new designs of equipment for the Armed Forces of the North Atlantic Treaty Organisation (NATO).
- B.3 The NEPR provides design information on trapezoidal type connectors which are in the NATO standardization programme. It should be noted that this programme covers numerous types of connector, some of which have overlapping features. It is the responsibility of the equipment designer to select those types best suited for his application.
- B.4 The prime purpose of this NEPR is to achieve agreement on those connector details which affect the performance and rating, and to prohibit the introduction or the use in new equipment design, of connectors which are similar to but not interchangeable both physically and electrically with NATO preferred standard parts and prevent the unnecessary multiplication of similar types with only marginal differences.

ANNEX C

MASTER SPECIFICATION OFFICER FOR CONNECTORS (LF)

- C.1 The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (LF) on behalf of the Ministry of Defence who may be contacted at the following address:
- C.1.1 Procurement Executive  
Ministry of Defence  
Director of Components Valves and Devices (DCVD)  
CVD 2S  
Empress State Building  
Lillie Road  
Fulham  
London SW6 1TR

ANNEX D

D.1 RELATED DOCUMENTS

D.1.1 Reference is made in this Section of the Standard to:

|                              |                                                                                                                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                      | 'General requirements for electronic components of assessed quality'                                                                                                                                                                 |
| BS 9520                      | 'Electrical connectors of assessed quality for frequencies below 3 MHz: Generic data and methods of test'                                                                                                                            |
| BS 9523 F0013                | 'Detail specification for electrical connectors, multi-contact, rectangular, with integral metal housing (Shell). Unsealed with trapezoidal polarized housing and non-removable solder contacts'                                     |
| PD 9002                      | 'BS 9000 and BS CECC: Qualified products list'                                                                                                                                                                                       |
| DEF STAN 59-35<br>(PART 3)/1 | 'Connectors for dc and low frequency applications'                                                                                                                                                                                   |
| DEF STAN 59-36<br>(PART 1)/2 | 'Electronic components for Defence purposes.<br>(PART 1): The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                         |
| DEF STAN 59-36<br>(PART 2)   | 'Electronic components for Defence purposes.<br>(PART 2): Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected' |
| DEF STAN 59-59               | 'Electrical/Electronic components for Defence use - Services qualified products list, including components of assessed quality'                                                                                                      |
| CPU/PIP/109-1                | 'Specification for the packaging of connectors electrical.'                                                                                                                                                                          |

D.1.2 Reference in this Section of the Standard to any related document means, in any tender or contract, the edition current at the date of such tender or contract unless a specific edition is indicated.

D.2 The following documents are obtainable from the addresses shown:

D.2.1 Copies of British Standards are obtainable from:

British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND

D.2.2 Copies of BS 9000 'F' Specifications are obtainable from the relevant manufacturer listed in PD 9002.

D.2.3 Copies of Packaging Specification CPU/PIP/109-1 are obtainable from:

Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW

D.2.4 Copies of PD 9002 are obtainable from:

British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR

D.2.5 Copies of Defence Standards are obtainable from:

Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE

OBSOLESCENT

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**Ministry of Defence**

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**Defence Standard**

**59-35(PART 4)/Issue 2**

**23rd April 1975**

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**PLUGS AND SOCKETS, ELECTRICAL**  
**PART 4: RADIO FREQUENCY**  
**COAXIAL CONNECTORS**

／ OBSOLESCENT ＼

**THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT**

---

AMENDMENT RECORD

| AMENDMENT<br>NUMBER | DATE | SIGNATURE |
|---------------------|------|-----------|
|                     |      |           |

PLUGS AND SOCKETS, ELECTRICAL

PART 4: RADIO FREQUENCY COAXIAL CONNECTORS

AMENDMENT 1

1. Cover page, title

Delete: PLUGS AND SOCKETS, ELECTRICAL

Substitute: CONNECTORS, ELECTRICAL

2. Page 1, heading

Delete: PLUGS AND SOCKETS, ELECTRICAL

Substitute: CONNECTORS, ELECTRICAL

3. Page 3, clause 2a,

a. DEF STAN 59-59

Delete title

Substitute: 'Electrical/Electronic components for defence use - Services qualified products list'

b. DEF-5001-C

Delete in toto

Substitute: DEF STAN 00-9 'General requirements for qualification approval and quality assurance of electronic components for Ministry of Defence use'

c. clause 2b, against SECTION 6

Delete: /

4. Page 4, clause 2c, line 3, after supply

Insert: , on request,

5. Page 5, clause 7b

Delete text in toto

Substitute new text:

5. (contd)

- (1) The conditions of this clause shall still apply. The Qualification Approval Authority shall be the Services Electronic Parts Committee (SEPCO), Empress State Building, Lillie Road, London, SW6 1TR. This is to be stated on the front page of Defence Standard Detail Specifications. Details of manufacturers who have obtained Qualification Approval to Defence Standard Detail Specifications in this PART of the Standard are given in DEF STAN 59-59. The procedures to be followed to obtain Qualification Approval are given in DEF STAN 00-9.
- (2) Qualification Approval will be authorized by the Component Specification Authority on behalf of the Services Electronic Parts Committee who will issue the relevant Qualification Approval Certificate.
- (3) The Component Specification Authority is normally the Master Specification Officer (MSO) for the subject concerned.

6. Page 10

Delete this page

Substitute new page 10 attached

7. Make a note of this amendment on the Amendment Record.

24 AUGUST 1979

DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON

D/D STAN/59/7/48 (STAN 8)  
N/RD 484/72/0115 (AD/CVD2S)

ANNEX B

LAYOUT OF FRONT PAGE OF DETAIL SPECIFICATIONS  
INCLUDED IN SECTIONS OF DEF STAN 59-35 (PART 4)

|                                                                                                                                                                                     |                                                           |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| <u>Page 1 of</u><br><u>0 pages</u>                                                                                                                                                  |                                                           | <u>DEF STAN 59-35 (PART 4)</u><br><u>SECTION 0/1</u><br><u>DETAIL SPECIFICATION</u> |
| <u>CONNECTORS, COAXIAL, RADIO FREQUENCY</u><br><u>DETAIL SPECIFICATION</u><br><u>ITEM NAME</u> /<br><u>NATO STOCK NUMBER(S)</u><br>(To be inserted)                                 |                                                           |                                                                                     |
| <u>Qualification Approval Authority</u><br>SEPCO Secretariat, DCVD, MOD(PE)<br>Empress State Building,<br>Lillie Road, London, SW6 1TR                                              | <u>Issue No</u><br><br><u>Date</u>                        |                                                                                     |
| <u>Component Specification Authority</u><br>MSO for RF Connectors - DW PROD(N), MOD(PE)<br>ASWE Extension, Eastney Fort East,<br>Royal Marine Barracks<br>Portsmouth, Hants PO4 9PP | <u>Manufacturer's name:</u> As shown<br>in DEF STAN 59-59 |                                                                                     |
| <u>ELECTRONIC COMPONENTS OF ASSESSED QUALITY</u>                                                                                                                                    |                                                           |                                                                                     |
| (then as required by BS 9210 and clause 3 of this Standard)                                                                                                                         |                                                           |                                                                                     |

- Notes: 1. / The appropriate number is to be inserted.  
2. / The item name is to be inserted.

PLUGS AND SOCKETS, ELECTRICAL  
PART 4: RADIO FREQUENCY COAXIAL CONNECTORS

This Defence Standard supersedes  
INTERIM DEF STAN 59-35 (PART 4),  
Issue 1 dated 6th April 1972

1. This Defence Standard relates to radio frequency coaxial connectors for Ministry of Defence use.
2. This Standard implements BS 9210 'Generic specification for radio frequency connectors of assessed quality' and covers all radio frequency coaxial connectors for Ministry of Defence use other than those listed in DEF STAN 59-35 (PART 2) (Plugs and Sockets, Patterns 2, 4, 8, 12, 13, and 40).
3. This Standard will replace the various Sections of DEF-5322A as and when each section of the latter is embodied in this document.
4. This Standard implements the following International agreements as far as is practicable:

DRAFT STANAG 4036  
NEPR 24  
NEPR 34  
DRAFT NEPR 70

the substances of which are shown in Annex A.

5. This Standard contains all necessary technical information and it is the Services definitive specification for all radio frequency coaxial connectors not included in DEF STAN 59 - 35 (PART 2). It must be invoked for all tender and contract purposes.

6. This Standard has been agreed by all authorities concerned who are to implement it from its date of issue.

7. If this Standard should be found unsuitable for a particular requirement, the Director of Standardization shall be informed of the circumstances. Any enquiries regarding this Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Quality Assurance Authority named in that invitation to tender or contract.

INDEX TO CONTENTS

| <u>CLAUSE</u> | <u>TITLE</u>                                                        | <u>PAGE</u> |
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| 6.            | TERMS AND DEFINITIONS                                               | 5           |
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ANNEXES

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SPECIFICATION FOR  
RADIO FREQUENCY COAXIAL CONNECTORS

1. SCOPE

This Defence Standard relates to a range of radio frequency coaxial connectors of assessed quality and specifies the general requirements and procedures to be adopted by the Ministry of Defence in relation to the implementation of BS 9210.

2. RELATED SPECIFICATIONS AND DOCUMENTS

|                           |                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------|
| a. BS 2011                | 'Methods for the environmental testing of electronic components and electronic equipment'             |
| BS 2316                   | 'Radio frequency cables'                                                                              |
| BS 9000                   | 'General requirements for electronic components of assessed quality'                                  |
| BS 9210                   | 'Radio frequency connectors of assessed quality. Generic data and methods of test'                    |
| DEF STAN 59 - 59          | 'Services qualified products list of electronic components'                                           |
| DEF STAN 61 - 12 (PART 9) | 'Cables, radio frequency, coaxial' (Metric units)                                                     |
| DEF-5001-C                | 'General specification and qualification approval and acceptance procedure for electronic components' |
| DG-11 (Sept 1969)         | 'Design requirements for Service packaging'                                                           |
| HQPO 38                   | 'Packaging of plugs and sockets, electrical'                                                          |
| MIL-C-17D                 | 'Cables, radio frequency; coaxial, dual coaxial, twin conductor, and twin lead'                       |

b. Details of individual types of connectors are contained in Sections which form part of this Standard and are as follows:

|              |                                |
|--------------|--------------------------------|
| / SECTION 1  | Connectors Type BNC (Unsealed) |
| / SECTION 2  | Connectors Type BNC (Sealed)   |
| / SECTION 3  | Connectors Type BNT            |
| / SECTION 4  | Connectors Type SMB            |
| / SECTION 5  | Connectors Type SMC            |
| / SECTION 6  | Connectors Type C              |
| / SECTION 7  | Connectors Type SC             |
| / SECTION 8  | Connectors Type N              |
| / SECTION 9  | Connectors Type SMA            |
| / SECTION 10 | Connectors Type TNC            |
| / SECTION 11 | Connectors Type QL             |
| / SECTION 12 | Connectors Type EIA Flange     |

/ denotes not yet published.

2. c. The related documents listed above are those applicable at the date of publication of this Standard. Their current applicability must be confirmed by all users of the Standard. The Quality Assurance Authority will supply information concerning any changes that may be necessary due to the cancellation, replacement, supersession or amendment of any related document.
- d. Copies of documents referred to above are obtainable as follows:
- British Standards, from: The British Standards Institution  
(Sales Branch)  
Newton House  
Pentonville Road  
London, N1 9ND.
- Defence Specifications and Defence Guides, from: Her Majesty's Stationery Office.
- HQPO Specifications, from: Procurement Executive  
Ministry of Defence  
MQAD  
Central Packaging Unit  
Garland Road  
Plumstead, London, SE18 2PW.
- Defence Standards, from: Directorate of Standardization  
Ministry of Defence  
First Avenue House  
High Holborn  
London, WC1V 6HE.
- MIL Specifications, from: Defence Research Information Centre  
Station Square House  
St Mary Cray  
Orpington, Kent, BR5 3RE
- e. Enquiries concerning any Defence international standardization agreement should be addressed to the Directorate of Standardization (Stan 2).

3. INFORMATION CONTAINED WITHIN SECTIONS

- a. Each Section will contain the following information:
- (1) Detail Specifications. (These being included only when specifications in the BS 9210 N XXX series are not available for the particular types or styles required for MOD use (see clause 8)) and/or
  - (2) Lists of standard and maintenance ranges.

4. SELECTION OF CONNECTORS

- a. The lists of standard styles of RF connectors contained in the Sections of this Standard include direct references either to:
- (1) BS 9210 series Detail Specifications
  - (2) Detail Specifications forming part of this Standard, or
  - (3) Defence Specifications.
- b. The first choice should be made from components covered by the BS 9210 series, followed by the preferred order (2) and (3) above.

4. c. Annex E gives a summary of ratings, characteristics, and limiting conditions of use for those RF connectors preferred for Ministry of Defence use.

5. PROCUREMENT

- a. When procuring connectors to this Standard and Detail Specifications referred to in clause 3 a (1) certain deviations from the information and rules stated in BS 9210 are required. These deviations are given in clauses 7a, b, and c, and 8 of this Standard.

- b. When procuring connectors listed in the Sections referred to in clause 3a(2) which are covered by Detail Specifications in the BS 9210 N XXX series the ordering information is to be as required by BS 9210 with the addition of the relevant NATO Stock Numbers and packaging instructions (see clause 7a).

6. TERMS AND DEFINITIONS

The terms and definitions used throughout this Standard are in accordance with the terminology of BS 9210, other documents in the BS 9000 series, and BS 2011.

7. DEVIATIONS FROM BS 9210 (see clause 5)

- a. Marking of the part and package. (Clause 1.1.6 of BS 9210).

Substitute the following for the existing text:

The following codes shall be marked on the connectors in order of preference given and as space permits. All the codes shall appear on the primary packs:

- (1) NATO Stock Number (last seven digits on the connector, full NATO Stock Number on the pack).
- (2) Date code.
- (3) Factory identification code.
- (4) DEF STAN Detail Specification number.
- (5) Type, style, variant, and climatic category.
- (6) For packaging only - the appropriate Services management code.

- b. Eligibility for Qualification Approval. (Clause 1.1.7 of BS 9210).

The conditions of this clause shall still apply. The Qualification Approval Authority shall be the Admiralty Surface Weapons Establishment, MOD(PE), Portsdown, Cosham, Hampshire, PO6 4AA England. This is to be stated on the front page of Defence Detail Specifications. Details of manufacturers who have obtained Qualification Approval to Detail Specifications included in this Standard are given in DEF STAN 59-59. The procedures to be followed in order to obtain such approval are given in DEF-5001-C.

- c. Additional tests.

In the preparation of Defence Detail Specifications any tests required additional to those included in BS 9210 are to be called up in the appropriate groups (viz A, B, C, or D), and full details are to be attached as annexes to the specifications. Such tests are subjected to the AQL's and Inspection Levels appropriate to their groups.

8. RULES FOR THE PREPARATION OF DEFENCE STANDARDS DETAIL SPECIFICATIONS

- a. As far as practicable the rules included in BS 9210 (Section 2) apply.
- b. Deviations from BS 9210

(1) Numbering of the Detail Specifications. (Clause 2.1.2 of BS 9210).

Substitute the following for the existing text:

Each Defence Standard Detail Specification shall carry a distinguishing number made up of the number 59-35 (PART 4) followed by a Section number, Issue number, and date, eg DEF STAN 59-35 (PART 4) SECTION 9/1, June 1975, as allotted and co-ordinated by the Directorate of Standardization. The opening page of the Specification is also to include the NATO Stock Numbers for the styles and variants specified.

(2) Ordering Information. (Clause 1.1.15 of BS 9210).

Substitute the following for the existing text:

- (a) Description, eg type, style, variant, and climatic category.
- (b) NATO Stock Number.
- (c) Manufacturers type number.
- (d) Defence Detail Specification number.
- (e) Packaging instructions.

b. (3) Defence Detail Specification layout.

This shall be in accordance with the rules given in BS 9210 except that all details above the 'Electronic parts of assessed quality' shall be deleted and the format shown in the attached Annex B substituted. Tests additional to those specified in BS 9210 may be included in accordance with clause 7c of this Standard. These tests must be supported by full descriptive details.

9. PACKAGING INSTRUCTIONS

The standard of packaging will normally be specified in the tender or contract.

- a. When 'Full', 'Restricted', or 'Primary' standards are specified, packaging shall be in accordance with HQPO 38 'Packaging of plugs and sockets, electrical'.
- b. When 'Trade' packages are specified packaging shall be in accordance with DG-11, Part 1, Section 2.
- c. When packaging is not specified, the prime contractor shall assume that 'Trade' packaging is the minimum acceptable.

10. BASIC TECHNICAL DATAa. Information tables.

Annex D contains a cross reference list between connector type and variants related to applicable cables.

Full details of connector variant/cable, impedance and dimensions are given in Appendix P of BS 9210.

b. Technical notes.(1) Reflection coefficient and voltage standing wave ratio.

In individual Sections of this Standard frequent reference is made to the reflection coefficient for types of RF coaxial connectors. This parameter is recognized as one of the primary indicators of connector quality. The relationship between reflection coefficient and the voltage standing wave ratio is:

$$V.S.W.R. = \frac{1 + |p|}{1 - |p|}$$

where  $|p|$  is the magnitude of the reflection coefficient and  $p = \frac{E_2}{E_1}$ , the ratio of reflected to incident voltage waves.

(2) Cable data.

Full details of RF coaxial cables listed in this Standard are given in BS 2316, DEF STAN 61-12 (PART 9), and MIL-C-17-D.

(3) Mating of styles.

It is conventional to refer to coaxial sockets as female styles and to coaxial plugs as male styles. Within the range of styles covered by any one type of connector, all plugs and sockets can be mated together. In general, the overall length of mated pairs amounts to about 1.66 times the average length of single items.

(4) Adaptor connectors.

These are connectors which exist within the styles of a type of connector which permit electrical connection to be achieved between two or more connectors of the same type where direct connection is otherwise mechanically impossible.

(5) Climatic categories.

(a) Selection shall preferably be made from the following groups:

10/070/04 /  
 25/085/21  
 40/070/21 / minimum severity for full assessment level  
 40/100/21 /  
 40/155/21 /  
 55/155/21 /  
 55/085/56  
 55/125/56  
 55/155/56 /  
 65/200/56

Note: / indicates preferred categories.

10. b. (5) (b) These categories are allocated to RF connectors according to

- (i) The minimum operating temperature in degrees Celsius.
- (ii) The maximum operating temperature in degrees Celsius.
- (iii) The period for the Long Term Damp Heat test carried out on samples during production testing.

(c) Thus a category of 40/070/21 represents:

- (i) Minimum temperature  $-40^{\circ}\text{C}$ .
- (ii) Maximum temperature  $70^{\circ}\text{C}$ .
- (iii) Subjected to Long Term Damp Heat test for 21 days.

If for example, it is intended to use a connector in an environment where its temperature can be expected to vary from  $-20^{\circ}\text{C}$  to  $95^{\circ}\text{C}$  and exposure to damp tropical conditions is required for long periods, then the above category would be unsuitable and 55/125/56 should be selected.

ANNEX A

DRAFT NATO STANAG NO 4036

4th NOVEMBER 1964

SUBSTANCE OF AGREEMENT

This agreement lists NATO preferred small and medium sized radio frequency coaxial connectors.

NEPR 24

10th JULY 1967

STANDARDIZATION OF MINIATURE RADIO  
FREQUENCY COAXIAL CONNECTORS

SUBSTANCE OF AGREEMENT

This Recommendation contains a list of radio frequency coaxial connectors which are preferred for future NATO use. For these NATO preferred types it specifies the dimensions and tolerances, the standardization of which is essential to ensure the compatibility of connectors used or manufactured in the different countries.

NEPR 34

25th JUNE 1965

STANDARDIZATION OF LARGE RADIO  
FREQUENCY COAXIAL CONNECTORS

SUBSTANCE OF AGREEMENT

This Recommendation covers large radio frequency coaxial connectors for all types of military equipment.

DRAFT NEPR 70

15th JANUARY 1969

STANDARDIZATION OF RADIO FREQUENCY  
COAXIAL CONNECTORS

SUBSTANCE OF AGREEMENT

This Recommendation is under preparation and when complete will replace Draft STANAG 4036, NEPR 24, and NEPR 34. (NEPR 70 will be most nearly representative of the connectors listed herein and in individual Sections of this Standard)

ANNEX B

LAYOUT OF FRONT PAGE OF DETAIL SPECIFICATIONS  
INCLUDED IN SECTIONS OF DEF STAN 59-35 (PART 4)

Page 1 of  
0 pages

DEF STAN 59-35 (PART 4)  
SECTION 0/1

CONNECTORS, COAXIAL, RADIO FREQUENCY

TYPE 000

DETAIL SPECIFICATION

NATO STOCK NUMBERS

.....  
.....  
.....  
.....

Qualification Approval Authority  
Admiralty Surface Weapons Establishment, MOD(PE)  
Portsmouth, Gosport, Portsmouth PO6 4AA, England

Issue No .....  
Date .....

Electronic Parts of Assessed Quality

(Then as required by BS 9210 and Clause 8 of this Standard)

Note: 0 The appropriate numeral or letter is to be inserted.

ANNEX C  
CONNECTOR STYLE REFERENCES

| FIRST AND SECOND<br>DIGITS OF STYLE<br>REFERENCE NO | DESCRIPTION OF FUNCTION                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 00                                                  | Connector fixed, straight, 4-hole fixing, cable outlet.                                          |
| 01                                                  | Connector coupler, free, straight.                                                               |
| 02                                                  | Connector fixed, straight, 4-hole fixing, solder bucket.                                         |
| 03                                                  | Connector fixed, straight, 2-hole fixing, solder bucket.                                         |
| 04                                                  | Connector fixed, flush mounting, 2-hole fixing, solder bucket.                                   |
| 05                                                  | Connector fixed, single-hole mounting, solder bucket.                                            |
| 06                                                  | Connector free, straight.                                                                        |
| 07                                                  | Connector fixed, straight, single hole mounting, cable outlet.                                   |
| 08                                                  | Connector free, right angle.                                                                     |
| 09                                                  | Connector fixed, straight, 2-hole fixing, cable outlet.                                          |
| 10                                                  | Connector fixed, right angle, 4-hole fixing, solder bucket.                                      |
| 11                                                  | Connector fixed, right angle, single hole mounting, cable outlet.                                |
| 12                                                  | Connector fixed, right angle, single hole mounting, solder bucket.                               |
| 13                                                  | Connector fixed, straight, printed circuit board mounting.                                       |
| 14                                                  | Connector fixed, right angle, printed circuit board mounting.                                    |
| 15                                                  | Adaptor connector free, straight.                                                                |
| 16                                                  | Adaptor connector free, right angle.                                                             |
| 17                                                  | Adaptor connector free, 3-way 'T'.                                                               |
| 18                                                  | Adaptor connector fixed, straight, single hole mounting.                                         |
| 19                                                  | Adaptor connector fixed, straight, 2-hole fixing.                                                |
| 20                                                  | Adaptor connector fixed, straight, 4-hole fixing.                                                |
| 21                                                  | Adaptor cable-braid clamp fixed, straight, single hole mounting.                                 |
| 22                                                  | Adaptor cable-braid clamp fixed, straight, 2-hole fixing.                                        |
| 23                                                  | Adaptor cable-braid clamp fixed, straight, 4-hole fixing.                                        |
| 24                                                  | Connector, fixed, straight, component mounting, 4-hole fixing, stub contact, extended dielectric |
| 25                                                  | Connector, fixed, straight, component mounting, 2-hole fixing, stub contact, extended dielectric |
| 96                                                  | Cover, electrically protective for connector fixed and connector coupler free                    |
| 97                                                  | Cover, electrically protective for connector free                                                |
| 98                                                  | Cover protective for connector fixed and connector coupler free.                                 |
| 99                                                  | Cover protective for connector free                                                              |

Note: Style referencing details are shown in Appendix N of BS 9210.

CONNECTOR STYLE REFERENCES - CONTINUED

| THIRD AND FOURTH DIGITS OF<br>STYLE REFERENCE NO | DESCRIPTION OF CENTRE CONTACT(S) |
|--------------------------------------------------|----------------------------------|
| 00                                               | Hermaphroditic.                  |
| 01                                               | Bullet (flange type connectors). |
| 02                                               | Male contact.                    |
| 03                                               | Female contact.                  |
| 04                                               | Two male contacts.               |
| 05                                               | Two female contacts.             |
| 06                                               | One male, two female contacts.   |
| 07                                               | One female, two male contacts.   |
| 08                                               | One male, one female contact.    |
| 09                                               | Two male, two female contacts.   |
| 10                                               | Three male contacts.             |
| 11                                               | Three female contacts.           |
| 12                                               | No contacts.                     |

Examples of style reference numbers:

- (1) 08-02 Indicates connector free, right angle, with male centre contact.
- (2) 00-08 Indicates connector fixed, straight, 4-hole fixing, cable outlet, with one male and one female centre contacts.
- (3) 17-06 Indicates adaptor connector free, 3 way 'T', with one mating face having a male centre contact and the remaining two mating faces each with a female centre contact.

ANNEX D

CROSS REFERENCE TABLE SHOWING CONNECTOR TYPE AND VARIANT RELATED TO APPLICABLE CABLES

| CONNECTOR<br>VARIANT | CABLE<br>IMPEDANCE<br>(Ohms) | CABLE TYPES        |                 | DEF STAN 59-35 (PART 4) SECTION NO AND CONNECTOR TYPE |                               |                     |                     |                     |                   |                    |                   |                     |                      |                     |                                |        |
|----------------------|------------------------------|--------------------|-----------------|-------------------------------------------------------|-------------------------------|---------------------|---------------------|---------------------|-------------------|--------------------|-------------------|---------------------|----------------------|---------------------|--------------------------------|--------|
|                      |                              | BS 2316            | MTL-C-17<br>RG  | SECTION<br>1<br>BNC<br>NON-SEALED                     | SECTION<br>2<br>BNC<br>SEALED | SECTION<br>3<br>BNT | SECTION<br>4<br>SMB | SECTION<br>5<br>SMC | SECTION<br>6<br>C | SECTION<br>7<br>SC | SECTION<br>8<br>N | SECTION<br>9<br>SMA | SECTION<br>10<br>TNC | SECTION<br>11<br>QL | SECTION<br>12<br>EIA<br>FLANGE |        |
| (a)                  | (b)                          | (c)                | (d)             | (e)                                                   | (f)                           | (g)                 | (h)                 | (j)                 | (k)               | (l)                | (m)               | (n)                 | (p)                  | (q)                 | (r)                            |        |
| AB                   | 50                           | URM 110<br>-       | 178B/U<br>404/U | -<br>-                                                | -<br>-                        | -<br>-              | x<br>x              | x<br>x              | -<br>-            | -<br>-             | -<br>-            | x<br>x              | -<br>-               | -<br>-              | -<br>-                         |        |
| AC                   |                              | URM 95<br>-        | -<br>174A/U     | -<br>-                                                | -<br>-                        | -<br>-              | x<br>x              | x<br>x              | -<br>-            | -<br>-             | -<br>-            | x<br>x              | -<br>x               | -<br>-              | -<br>-                         |        |
| AS                   |                              | URM 109<br>URM 116 | 316/U<br>-      | -<br>-                                                | -<br>-                        | -<br>-              | x<br>x              | x<br>x              | -<br>-            | -<br>-             | -<br>-            | x<br>-              | x<br>-               | -<br>-              | -<br>-                         |        |
| AG                   |                              | -                  | 122/U           | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | x                   | x                    | -                   | -                              |        |
| AH                   |                              | URM 108<br>URM 72  | 303/U<br>-      | x<br>x                                                | x<br>x                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | -<br>-            | x<br>-              | x<br>x               | -<br>-              | -<br>-                         |        |
| AJ                   |                              | URM 43<br>URM 76   | -<br>58C/U      | x<br>x                                                | x<br>x                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | -<br>-            | x<br>x              | x<br>x               | -<br>-              | -<br>-                         |        |
| AK                   |                              | -<br>-             | 142B/U<br>223/U | x<br>x                                                | x<br>x                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | -<br>-            | x<br>x              | x<br>x               | -<br>-              | -<br>-                         |        |
|                      |                              | -<br>URM 301       | 400/U<br>-      | -<br>-                                                | -<br>-                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | -<br>-            | -<br>-              | x<br>x               | -<br>-              | -<br>-                         |        |
| AL                   |                              | -                  | 301/U           | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |        |
| AM                   |                              | -                  | 304/U           | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | x                 | -                   | -                    | x                   | -                              | -      |
| AN                   |                              | -<br>-             | 212/U<br>222/U  | x<br>x                                                | x<br>x                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | x<br>-            | x<br>x              | -<br>-               | x<br>x              | -<br>-                         | -<br>- |
|                      |                              | URM 102<br>URM 107 | -<br>-          | -<br>-                                                | -<br>-                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | x<br>x             | x<br>x            | x<br>x              | -<br>-               | -<br>-              | -<br>-                         | -<br>- |
| AP                   |                              | -                  | 213/U           | -                                                     | -                             | -                   | -                   | -                   | -                 | x                  | x                 | x                   | -                    | -                   | -                              | -      |

For notes applicable to this Table see page 16.

ANNEX D - CONTINUED

DEF STAN 59-35 (PART 4)/2  
ANNEX D (CONT'D)

| CONNECTOR<br>VARIANT | CABLE<br>IMPEDANCE<br>(Ohms) | CABLE TYPES |                | DEF STAN 59-35 (PART 4) SECTION NO AND CONNECTOR TYPE |                               |                     |                     |                     |                   |                    |                   |                     |                      |                     |                                |   |
|----------------------|------------------------------|-------------|----------------|-------------------------------------------------------|-------------------------------|---------------------|---------------------|---------------------|-------------------|--------------------|-------------------|---------------------|----------------------|---------------------|--------------------------------|---|
|                      |                              | BS 2316     | MIL-C-17<br>RG | SECTION<br>1<br>BNC<br>NON-SEALED                     | SECTION<br>2<br>BNC<br>SEALED | SECTION<br>3<br>BNT | SECTION<br>4<br>SMB | SECTION<br>5<br>SMC | SECTION<br>6<br>C | SECTION<br>7<br>SC | SECTION<br>8<br>N | SECTION<br>9<br>SMA | SECTION<br>10<br>TNC | SECTION<br>11<br>QL | SECTION<br>12<br>EIA<br>FLANGE |   |
| (a)                  | (b)                          | (c)         | (d)            | (e)                                                   | (f)                           | (g)                 | (h)                 | (j)                 | (k)               | (l)                | (m)               | (n)                 | (p)                  | (q)                 | (r)                            |   |
| AQ                   | 50                           | URM 67      | -              | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |   |
|                      |                              | -           | 165/U          | -                                                     | -                             | -                   | -                   | -                   | -                 | x                  | x                 | x                   | -                    | -                   | -                              |   |
|                      |                              | URM 304     | -              | -                                                     | -                             | -                   | -                   | -                   | -                 | x                  | x                 | x                   | -                    | -                   | -                              |   |
| AR                   |                              | -           | 115A/U         | -                                                     | -                             | -                   | -                   | -                   | x                 | -                  | x                 | -                   | -                    | -                   | -                              |   |
|                      |                              | URM 112     | 214/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |   |
|                      |                              | -           | 225/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |   |
|                      | URM 91                       | -           | -              | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   |                                |   |
| AS                   |                              | -           | 215/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |   |
| AX                   |                              | URM 74      | 218/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | x                   | -                              |   |
| AY                   |                              | -           | 177/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | -                  | x                 | -                   | -                    | -                   | -                              |   |
|                      |                              | -           | 219/U          | -                                                     | -                             | -                   | -                   | -                   | x                 | -                  | x                 | -                   | -                    | -                   | -                              |   |
| BB                   | 75                           | URM 111     | -              | -                                                     | -                             | -                   | x                   | x                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |   |
|                      |                              | -           | 179B/U         | -                                                     | -                             | -                   | x                   | x                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |   |
| BD                   |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |   |
| BF                   |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
| BH                   |                              | URM 106     | 302/U          | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      |                              | URM 104     | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
| BJ                   |                              | URM 70      | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      |                              | -           | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
| BK                   |                              | URM 306     | -              | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | - |
|                      | URM 147                      | -           | x              | x                                                     | -                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |   |
|                      | URM 90                       | 59B/U       | x              | x                                                     | -                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |   |

For notes applicable to this Table see page 16.

ANNEX D - CONTINUED

| CONNECTOR<br>VARIANT | CABLE<br>IMPEDANCE<br>(Ohms) | CABLE TYPES                 |                         | DEF STAN 59-35 (PART 4) SECTION NO AND CONNECTOR TYPE |                               |                     |                     |                     |                   |                    |                   |                     |                      |                     |                                |             |
|----------------------|------------------------------|-----------------------------|-------------------------|-------------------------------------------------------|-------------------------------|---------------------|---------------------|---------------------|-------------------|--------------------|-------------------|---------------------|----------------------|---------------------|--------------------------------|-------------|
|                      |                              | BS 2316                     | MIL-C-17<br>RG          | SECTION<br>1<br>BNC<br>NON SEALED                     | SECTION<br>2<br>BNC<br>SEALED | SECTION<br>3<br>BNT | SECTION<br>4<br>SMB | SECTION<br>5<br>SMC | SECTION<br>6<br>C | SECTION<br>7<br>SC | SECTION<br>8<br>N | SECTION<br>9<br>SMA | SECTION<br>10<br>TNC | SECTION<br>11<br>QL | SECTION<br>12<br>EIA<br>FLANGE |             |
|                      |                              |                             |                         | (e)                                                   | (f)                           | (g)                 | (h)                 | (j)                 | (k)               | (l)                | (m)               | (n)                 | (p)                  | (q)                 | (r)                            |             |
| (a)                  | (b)                          | (c)                         | (d)                     |                                                       |                               |                     |                     |                     |                   |                    |                   |                     |                      |                     |                                |             |
| BM                   | 75                           | -                           | -                       | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |             |
| BN                   |                              | -                           | -                       | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |             |
| BP                   |                              | -                           | 6A/U                    | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |             |
| BQ                   |                              | -                           | -                       | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |             |
| BR                   |                              | URM 113<br>URM 105          | -                       | -                                                     | -                             | -                   | -                   | -                   | -                 | x                  | x                 | x                   | -                    | -                   | -                              | -           |
| BT                   | 75                           | URM 57<br>URM 65<br>URM 303 | 11A/U<br>-<br>391/U     | -<br>-<br>-                                           | -<br>-<br>-                   | -<br>-<br>-         | -<br>-<br>-         | -<br>-<br>-         | x<br>x<br>x       | x<br>x<br>x        | x<br>x<br>x       | -<br>-<br>-         | -<br>-<br>-          | -<br>-<br>-         | -<br>-<br>-                    |             |
| BU                   |                              | -                           | 144/U                   | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |             |
| BV                   |                              | URM 60                      | 216/U                   | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | x                   | -                    | -                   | -                              | -           |
| BX                   |                              | URM 77                      | 164/U                   | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | x                   | -                    | -                   | x                              | -           |
| BY                   |                              | -                           | 35B/U                   | -                                                     | -                             | -                   | -                   | -                   | x                 | -                  | -                 | x                   | -                    | -                   | -                              | -           |
| CB                   | 95                           | -                           | 180B/U                  | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | x                    | -                   | -                              |             |
| CD                   |                              | URM 96                      | 62A/U<br>210/U<br>71B/U | x<br>x<br>x                                           | x<br>x<br>x                   | -<br>-<br>-         | -<br>-<br>-         | -<br>-<br>-         | -<br>-<br>-       | -<br>-<br>-        | -<br>-<br>-       | -<br>-<br>-         | x<br>x<br>x          | -<br>-<br>-         | -<br>-<br>-                    | -<br>-<br>- |
| CF                   |                              | -                           | 133A/U                  | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | x                   | -                    | -                   | -                              | -           |
| CG                   |                              | -                           | 130/U                   | x                                                     | x                             | -                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | x                   | -                              | -           |

For notes applicable to this Table see page 16.

ANNEX D - CONTINUED

| CONNECTOR<br>VARIANT | CABLE<br>IMPEDANCE<br>(Ohms) | CABLE TYPES            |                      | DEF STAN 59-35 (PART 4) SECTION NO AND CONNECTOR TYPE |                               |                     |                     |                     |                   |                    |                   |                     |                      |                     |                                |
|----------------------|------------------------------|------------------------|----------------------|-------------------------------------------------------|-------------------------------|---------------------|---------------------|---------------------|-------------------|--------------------|-------------------|---------------------|----------------------|---------------------|--------------------------------|
|                      |                              | BS 2316                | MIL-C-17<br>RG       | SECTION<br>1<br>DNC<br>NON-SEALED                     | SECTION<br>2<br>BNC<br>SEALED | SECTION<br>3<br>BNT | SECTION<br>4<br>SMB | SECTION<br>5<br>SMC | SECTION<br>6<br>C | SECTION<br>7<br>SC | SECTION<br>8<br>N | SECTION<br>9<br>SMA | SECTION<br>10<br>TNC | SECTION<br>11<br>QL | SECTION<br>12<br>EIA<br>FLANGE |
| (a)                  | (b)                          | (c)                    | (d)                  | (e)                                                   | (f)                           | (g)                 | (h)                 | (i)                 | (k)               | (l)                | (m)               | (n)                 | (p)                  | (q)                 | (r)                            |
| DB                   | 100                          | DRM 68<br>DRM 305      | -<br>-               | x<br>x                                                | x<br>x                        | -<br>-              | -<br>-              | -<br>-              | -<br>-            | -<br>-             | -<br>-            | -<br>-              | x<br>x               | -<br>-              | -<br>-                         |
| EB                   | 125                          | URM 64<br>URM 302<br>- | 63B/U<br>-<br>114A/U | -<br>-<br>x                                           | -<br>-<br>x                   | -<br>-<br>-         | -<br>-<br>-         | -<br>-<br>-         | x<br>-<br>x       | x<br>-<br>-        | x<br>-<br>x       | -<br>-<br>-         | -<br>-<br>-          | -<br>-<br>-         | -<br>-<br>-                    |
| ED                   |                              | -                      | 79B/U                | -                                                     | -                             | -                   | -                   | -                   | x                 | x                  | x                 | -                   | -                    | -                   | -                              |
| FA                   | 50                           | URM 115                | -                    | -                                                     | -                             | x                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |
| FW                   |                              | -                      | 156/U                | -                                                     | -                             | x                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |
| GA                   | 75                           | -                      | 307A/U               | -                                                     | -                             | x                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |
| OC                   |                              | URM 114                | -                    | -                                                     | -                             | x                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |
| GH                   |                              | URM 54                 | -                    | -                                                     | -                             | x                   | -                   | -                   | -                 | -                  | -                 | -                   | -                    | -                   | -                              |

- Notes:
1. Details of connector variant/cable, impedance and dimensions are given in Appendix P of BS 9210.
  2. BS 2316 and MIL-C-17 cables are listed against the related connector variants as a guide to users and should not be taken to imply functional equivalence.
  3. Before using any BS 2316 cable, reference should be made to DEF STAN 59-59 to ensure that Qualification Approval is extant for the item concerned.
  4. Cables listed in Appendix P of BS 9210 against connector variants BD, BF, DM, BN, and BQ are not recommended for Ministry of Defence use. Connector variants are included to indicate the completeness of the available range.
  5. x indicates compatible cable, connector type and variants.
  6. - indicates the column heading does not apply.

Notes

17

| CONNECTOR TYPE | ASSESSMENT LEVEL | DETAIL SPECIFICATIONS |                                          | OR<br>SEALED - S, OR<br>NON-SEALED - NS | SOLDERED-S, OR CRIMPED-C | NOMINAL IMPEDANCE (Ohms) | MAXIMUM CURRENT<br>(Amps) | CONTACT<br>RESISTANCE<br>(max) (milliohms)<br>AFTER<br>CONDITIONING |       | INSULATION RESISTANCE<br>(Min) (Megohms)<br>AFTER CONDITIONING | SUBJECTED TO TESTS FOR     |                                                      |      |                          |              |                        |
|----------------|------------------|-----------------------|------------------------------------------|-----------------------------------------|--------------------------|--------------------------|---------------------------|---------------------------------------------------------------------|-------|----------------------------------------------------------------|----------------------------|------------------------------------------------------|------|--------------------------|--------------|------------------------|
|                |                  | BS 9210-              | DEF STAN 59-35<br>(PART 4)<br>SECTION NO |                                         |                          |                          |                           | INNER                                                               | OUTER |                                                                | MOULD GROWTH<br>(Scale No) | CORROSIVE ATMOSPHERE<br>(SALT RUST)<br>(SEVERITY NO) | DUST | INDUSTRIAL<br>ATMOSPHERE | FLAMMABILITY | RESISTANCE TO SOLVENTS |
|                | 1                |                       |                                          |                                         |                          |                          |                           |                                                                     |       |                                                                | 5                          | 6                                                    |      |                          |              |                        |
| BNC            | Full             | N003                  | 1                                        | NS                                      | S                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| BNC            | Basic            | N004                  | 1                                        | NS                                      | S                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | -                          | -                                                    | -    | -                        | -            | -                      |
| BNC            | Full             | N002                  | 1                                        | NS                                      | C                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| BNC            | Full             | N001                  | 2                                        | S                                       | S                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| BNT            | Full             | N005                  | 3                                        | NS                                      | S                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| SMB            | Full             | N007                  | 4                                        | NS                                      | S                        | 50                       | 0.25                      | 10                                                                  | 5     | 500                                                            | 3                          | 2                                                    | -    | ✓                        | ✓            | ✓                      |
| SMC            | Full             | N009                  | 5                                        | NS                                      | S                        | 50                       | 0.25                      | 10                                                                  | 5     | 500                                                            | 3                          | 2                                                    | ✓    | ✓                        | ✓            | ✓                      |
| C              | Full             | -                     | 6                                        | S                                       | S                        | 50                       | 8                         | 10                                                                  | 5     | 1000                                                           | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| SC             | Full             | -                     | 7                                        | NS                                      | S                        | 50                       | 8                         | 10                                                                  | 5     | 200                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| N              | Full             | -                     | 8                                        | NS                                      | S                        | 50                       | -                         | 5                                                                   | 1     | 200                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| N              | Full             | -                     | 8                                        | S                                       | S                        | 50                       | -                         | 5                                                                   | 1     | 200                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| SMA            | Full             | N006                  | 9                                        | NS                                      | S                        | 50                       | 2                         | 8                                                                   | 7     | 200                                                            | 3                          | 1                                                    | -    | ✓                        | ✓            | ✓                      |
| TNC            | Full             | -                     | 10                                       | NS                                      | S                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| TNC            | Full             | -                     | 10                                       | NS                                      | C                        | 50                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| TNC            | Full             | -                     | 10                                       | NS                                      | C                        | 75                       | 1                         | 7                                                                   | 7     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| QL             | Full             | -                     | 11                                       | NS                                      | S                        | 50                       | -                         | 2                                                                   | 1     | 500                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |
| EIA<br>Flange  | Full             | -                     | 12                                       | S                                       | -                        | 50                       | 5                         | 6                                                                   | 6     | 100                                                            | 3                          | 1                                                    | ✓    | -                        | ✓            | ✓                      |

For notes applicable to this summary see

DEF STAN 59-35 (PART 4)/2  
ANNEX E

Notes:

1. 'Full' and 'Basic' assessment levels correspond to the former 'General' and 'C' application categories.
2. Capacitance and RF shunt resistance measurements are taken for solder bucket styles only.
3. Reflection coefficient and VSWR measurements are carried out according to the connector type. Measurements are not carried out on solder bucket styles. In the case of SMA connectors see note 7 below.
4. Duration of vibration test for all connector types is 6 hours.
5. Refer to BS 2011 Part 2J.
6. Refer to BS 2011 Part 2K.
7. Because of the special characteristics of the SMA connector reflection coefficient and VSWR measurements are expressed in an alternative form and are as follows:

| STYLE                    | REFLECTION COEFFICIENT max.       |                                  | VSWR max.                         |                                  |
|--------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
|                          | Semi-rigid cables<br>Up to 18 GHz | Braided cables<br>Up to 12.4 GHz | Semi-rigid cables<br>Up to 18 GHz | Braided cables<br>Up to 12.4 GHz |
| Straight                 | $0.0338 \times (1 + 0.106f)$      | $0.091 \times (1 + 0.105f)$      | $(1.07 + 0.008f)$                 | $(1.2 + 0.025f)$                 |
| Right angle and adaptors | $0.048 \times (1 + 0.089f)$       | $0.091 \times (1 + 0.124f)$      | $(1.10 + 0.01f)$                  | $(1.2 + 0.03f)$                  |

where f is the frequency in GHz

8. ✓ indicates that tests are applicable.
9. - indicates that the column heading does not apply.

OBSOLESCENT

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**Ministry of Defence**

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**Defence Standard**

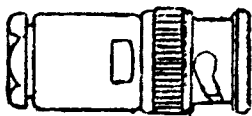
**59—35(PART 4)**

**SECTION 1/Issue 1**

**10 March 1982**

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**CONNECTORS, ELECTRICAL  
PART 4: RADIO FREQUENCY  
COAXIAL CONNECTORS  
SECTION 1: PATTERN 9210 N0004  
(SERIES BNC UNSEALED)**



STYLE 06-02



STYLE 01-03

／ OBSOLESCENT ＼

**THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT**

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CONNECTORS, ELECTRICAL

PART 4: RADIO FREQUENCY COAXIAL CONNECTORS

SECTION 1: PATTERN 9210 N0004 (SERIES BNC UNSEALED)

- 1 This Section of Defence Standard 59-35 (PART 4) implements BS 9210 N0004 'Detail specification for radio frequency connectors of assessed quality series BNC, unsealed, soldered, captive contact, 50 ohm, basic assessment level'. It is for Ministry of Defence use.
- 2 This Section of the Standard is to be used in conjunction with DEF STAN 59-35 'Connectors, electrical, PART 4: Radio frequency coaxial connectors' and BS 9210 'Specification for radio frequency connectors of assessed quality'. All the requirements are applicable unless stated herein.
- 3 Table I(A) lists the standard range of connectors, electrical, from which selection shall be made for all new requirements for connectors covered by BS 9210 N0004. Table I(B) lists the associated covers, electrical.
- 4 At the time of publication this Section of the Standard contains no Table II or Table III but it is intended to add these by amendment action later.
- 5 For all requirements IT IS ESSENTIAL THAT EQUIPMENT DESIGNERS WORK TO THE DIMENSIONS SHOWN IN BS 9210 N0004 AND NOT TO INDIVIDUAL SPECIMENS.
- 6 This Section of the Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer (MSO), see ANNEX B.
- 7 This Section of the Standard has been agreed by authorities concerned. It is to be implemented, wherever practicable, in all designs, contracts, orders, etc commencing after its date of publication. If a difficulty arises which prevents application of the Defence Standard, the Directorate of Standardization shall be informed so that a remedy can be sought.
- 8 Any enquiries regarding this Section of the Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

|                                                                                                         | <u>INDEX TO CONTENTS</u>                                                                                                                                                    | <u>PAGE</u> |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CONNECTORS, ELECTRICAL. RADIO FREQUENCY CONNECTORS TYPE BNC,<br>PATTERN 9210 N0004. GENERAL INFORMATION |                                                                                                                                                                             | 3           |
|                                                                                                         | <u>CONNECTORS, ELECTRICAL</u>                                                                                                                                               |             |
| TABLE I(A)                                                                                              | )<br>) STANDARD ( CONNECTORS, ELECTRICAL, RADIO FREQUENCY<br>) RANGE ( 50 OHM, TYPE BNC, UNSEALED, SOLDERED,<br>) ( CAPTIVE CONTACT, SILVER PLATED, TO<br>) ( BS 9210 N0004 | 6-7         |
|                                                                                                         | <u>ACCESSORIES</u>                                                                                                                                                          |             |
| TABLE I(B)                                                                                              | ) STANDARD ( COVERS, ELECTRICAL, FOR CONNECTORS,<br>) RANGE ( ELECTRICAL, RADIO FREQUENCY, TYPE BNC                                                                         | 7           |
| TABLE II                                                                                                | (                                                                                                                                                                           |             |
| TABLE III                                                                                               | ( NOT APPLICABLE                                                                                                                                                            |             |
| ANNEX A - OUTLINES OF ITEMS IN TABLES I(A) AND I(B)                                                     |                                                                                                                                                                             | 8           |
| ANNEX B - MASTER SPECIFICATION OFFICER FOR RADIO FREQUENCY CONNECTORS                                   |                                                                                                                                                                             | 9           |
| ANNEX C - RELATED SPECIFICATIONS AND DOCUMENTS                                                          |                                                                                                                                                                             | 9           |

CONNECTORS, ELECTRICAL

RADIO FREQUENCY CONNECTORS TYPE BNC, PATTERN 9210 N0004

GENERAL INFORMATION

1 SCOPE

This Section of Defence Standard 59-35 (PART 4) lists details of radio frequency connectors of the type described in clause 1 on page 1. Their climatic category is 55/155/21.

2 WARNING

- 2.1 This Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.
- 2.2 Particular attention is drawn to the following hazards although the list may not necessarily be exhaustive:
- 2.2.1 The toxic fumes emitted by polytetrafluoroethylene (PTFE) when it is heated to the temperature required for soldering.
- 2.2.2 The dangers of handling cigarettes and tobacco in areas which may contain pieces of PTFE insulation stripped from cables or wire.
- 2.3 This Section of the Standard has been devised for the use of the Crown and of its contractors in the execution of contracts for the Crown and, subject to the Unfair Contract Terms Act 1977, the Crown will not be liable in any way whatever (including but without limitation negligence on the part of the Crown its servants or agents) where the Standard is used for other purposes.

3 QUALIFICATION APPROVAL

- 3.1 It is essential that having selected a particular component from the standard ranges listed in this Section of the Standard reference is made to:

DEF STAN 59-59                    'Electrical/Electronic components for Defence use.  
Services qualified products list' or

PD 9002                        'BS 9000 and BS CECC Qualified products list'

to ascertain that a Qualification Approval certificate is extant for the item concerned. If there is no such certificate at the time of selection then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

- 3.2 Where no Qualification Approval exists or selection from Table I cannot be made then the procedure given in DEF STAN 59-36 (PART 2) shall apply.

4 ORDERING INFORMATION

- 4.1 When ordering connectors, electrical listed in this Section of the Standard, the ordering information required by BS 9210 N0004, Clause 6, this Defence Standard number and the NATO Stock Number(s) shall be stated, together with the packaging requirements.

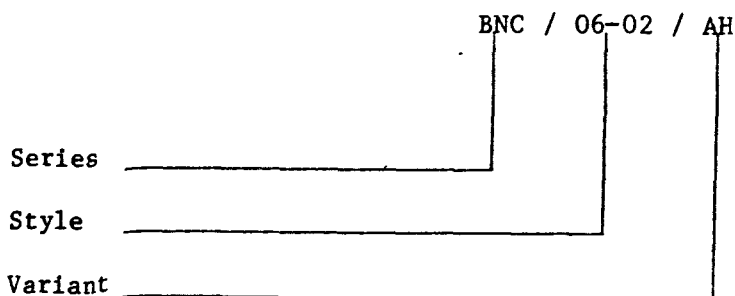
- 4.2 If any difficulties arise from the identification of connectors, electrical against NATO Stock Numbers, clarification should be sought from:

The Defence Codification Authority  
Ministry of Defence  
Leysdown road  
Mottingham  
LONDON SE9 3NN

4.3 Style and variant references

- 4.3.1 The style and variant references used in this Section of the Standard are in accordance with DEF STAN 59-35 (PART 4) and BS 9210.

EXAMPLE OF CODED CONNECTOR DESCRIPTION



- 4.3.2 The above example corresponds to a series BNC connector, free, straight, with male centre contact, intended for soldered connection to 50 ohm cables having the following maximum diameters:

|                  |         |
|------------------|---------|
| Outer protection | 4.75 mm |
| Outer conductor  | 3.90 mm |
| Dielectric       | 3.08 mm |
| Inner conductor  | 1.02 mm |

4.4 Example for ordering

Connector, electrical, free BS 9210 N0004 and DEF STAN 59-35 (PART 4) Section 1 Issue Ø, Style BNC/06-02/AH, NATO Stock Number 5935-99-038-6764.

Note: Ø indicates that the current Issue No is applicable.

5 PACKAGING INSTRUCTION

5.1 The packaging of connectors, electrical is to be in accordance with the packaging instructions given in CPU Packaging Specification No CPU/PIP/109, unless otherwise stated in any tender or contract.

5.2 Additional requirements for marking and packaging of Pattern 9210 N0004 connectors, electrical for Service use are given in DEF STAN 59-35 (PART 4).

6 SUPPLEMENTARY INFORMATION

Additional requirements to those specified by BS 9210 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

7 RELATIONSHIP BETWEEN DEFENCE STANDARDS AND CECC/BS 9000 SERIES

For details of the relationship between Defence Standards and CECC/British Standard 9000 series reference should be made to DEF STAN 59-36 (PART 1).

8 IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

When CECC/BS Harmonized Sectional and Detail Specifications relevant to this Section of the Standard are published and their implementation is agreed by the MSO then this Section will be amended to give details of the CECC documents concerned.

TABLE 1(A)

STANDARD RANGE

CONNECTORS, ELECTRICAL, RADIO FREQUENCY, 50 OHM, TYPE BNC, UNSEALED, SOLDERED, CAPTIVE CONTACT, SILVER PLATED  
TO BS 9210 N0004

| PAGE<br>ITEM<br>NO | NATO<br>STOCK<br>NUMBER<br>5935-99 | SERVICE<br>MANAGEMENT<br>CODE |                |                | ITEM<br>NAME                       | STYLE | DESCRIPTION                                                                                   | VARIANT        | MASS<br>MAX<br>gram | NATO STOCK NUMBER OF SUITABLE<br>DEF STAN 61-12 (PART 9) CABLE,<br>RADIO FREQUENCY<br>6145-99-<br>50 OHM MATCHED IMPEDANCE |
|--------------------|------------------------------------|-------------------------------|----------------|----------------|------------------------------------|-------|-----------------------------------------------------------------------------------------------|----------------|---------------------|----------------------------------------------------------------------------------------------------------------------------|
|                    |                                    | NAVY                          | ARMY           | AIR<br>FORCE   |                                    |       |                                                                                               |                |                     |                                                                                                                            |
|                    | (a)                                | (b)                           | (c)            | (d)            | (e)                                | (f)   | (g)                                                                                           | (h)            | (j)                 | (k)                                                                                                                        |
| 1<br>2<br>3        | 038-6753<br>038-6754<br>038-6755   | 0568<br>0568<br>0568          | --<br>--<br>-- | --<br>--<br>-- | CONNECTOR,<br>ELECTRICAL,<br>FIXED | 00-03 | Connector fixed, straight,<br>4 hole fixing, cable<br>outlet, female contact                  | AH<br>AJ<br>AK | 20                  | 014-9540 and 014-9551<br>014-9533 and 014-9542<br>-                                                                        |
| 4<br>5<br>6        | 038-6756<br>038-6757<br>038-6758   | 0568<br>0568<br>0568          | --<br>--<br>-- | --<br>--<br>-- |                                    | 07-03 | Connector fixed, straight,<br>single hole rear mounting,<br>cable outlet, female<br>contact   | AH<br>AJ<br>AK | 24                  | 014-9540 and 014-9551<br>014-9533 and 014-9542<br>-                                                                        |
| 7                  | 038-6759                           | 0568                          | --             | --             |                                    | 02-03 | Connector fixed, straight,<br>4 hole fixing, solder<br>bucket, female contact                 | ZZ             | 12                  | Note 1                                                                                                                     |
| 8                  | 038-6760                           | 0568                          | --             | --             |                                    | 05-03 | Connector fixed, straight,<br>single hole front<br>mounting, solder bucket,<br>female contact | ZZ             | 10                  | Note 1                                                                                                                     |
| 9<br>10<br>11      | 038-6761<br>038-6762<br>038-6763   | 0568<br>0568<br>0568          | --<br>--<br>-- | --<br>--<br>-- |                                    | 01-03 | Connector coupler, free,<br>straight, female contact                                          | AH<br>AJ<br>AK | 18                  | 014-9540 and 014-9551<br>014-9533 and 014-9542<br>-                                                                        |
| 12<br>13<br>14     | 038-6764<br>038-6765<br>038-6766   | 0568<br>0568<br>0568          | --<br>--<br>-- | --<br>--<br>-- | CONNECTOR,<br>ELECTRICAL,<br>FREE  | 06-02 | Connector free, straight,<br>male contact                                                     | AH<br>AJ<br>AK | 18                  | 014-9540 and 014-9551<br>014-9533 and 014-9542<br>-                                                                        |
| 15<br>16<br>17     | 038-6767<br>038-6768<br>038-6769   | 0568<br>0568<br>0568          | --<br>--<br>-- | --<br>--<br>-- |                                    | 08-02 | Connector free, right<br>angle, male contact                                                  | AH<br>AJ<br>AK | 32                  | 014-9540 and 014-9551<br>014-0533 and 014-9542<br>-                                                                        |

Notes applicable to this Table are on page 7

TABLE I(B)

STANDARD RANGE

COVERS, ELECTRICAL, FOR CONNECTORS, ELECTRICAL, RADIO FREQUENCY, TYPE BNC

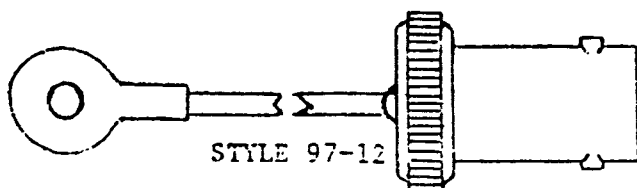
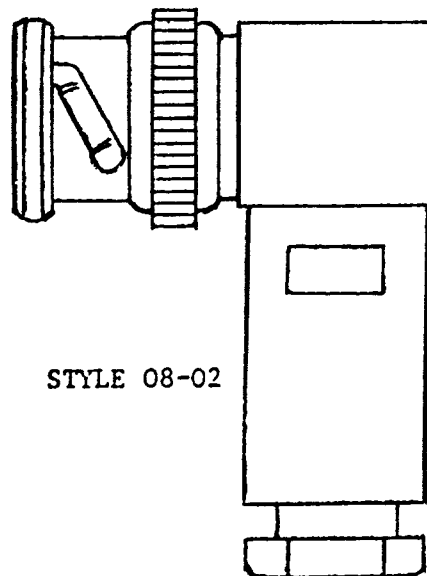
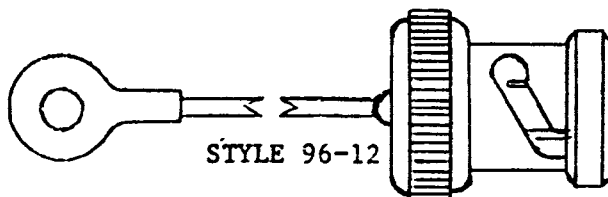
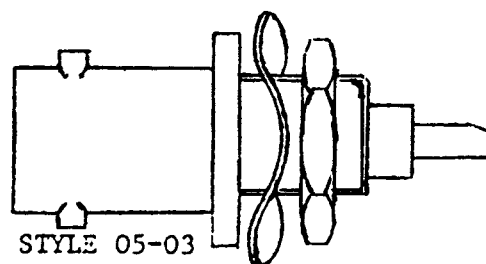
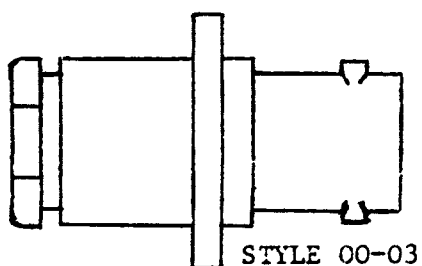
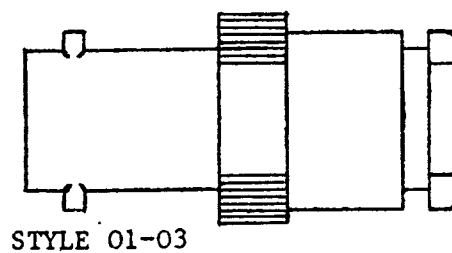
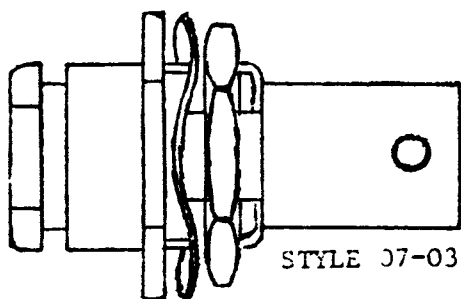
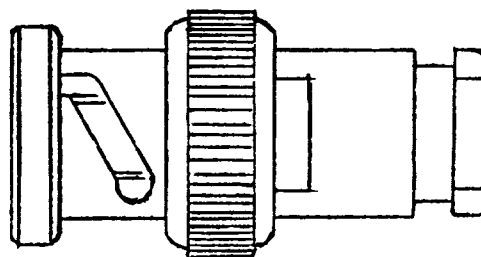
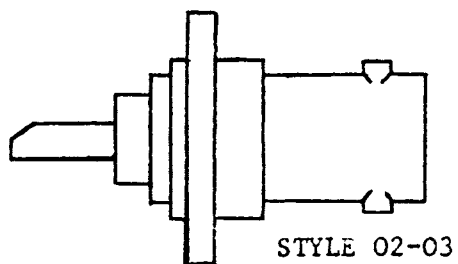
| PAGE<br>ITEM<br>NO | NATO<br>STOCK<br>NUMBER<br>5935-99- | SERVICE<br>MANAGEMENT<br>CODE |      |              | ITEM<br>NAME | STYLE | DESCRIPTION (See Note 5)                                                     | MASS<br>MAX<br><br>gram |
|--------------------|-------------------------------------|-------------------------------|------|--------------|--------------|-------|------------------------------------------------------------------------------|-------------------------|
|                    |                                     | NAVY                          | ARMY | AIR<br>FORCE |              |       |                                                                              |                         |
|                    | (a)                                 | (b)                           | (c)  | (d)          | (e)          | (f)   | (g)                                                                          | (h)                     |
| 1                  | 017-5317                            | 0568                          | - -  | - -          | COVER        | 96-12 | Cover electrically protective for connector fixed and connector coupler free | 12                      |
| 2                  | 017-5318                            | 0568                          | - -  | - -          | ELECTRICAL   | 97-12 | Cover electrically protective for connector free                             | 12                      |

NOTES APPLICABLE TO TABLES I(A) AND I(B)

- 1 The item indicated is for use with equipment wire.
- 2 - - indicates that, at the date of publication of this Standard, the Service concerned does not use the item.
- 3 - indicates that the column heading does not apply.
- 4 When only a Service management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code, eg 0568/038-6753.
- 5 For covers electrically protective see BS 9210 N003 Appendix A. Those shown in Table I(B) above are also listed in Table I(B) of INTERIM DEF STAN 59-35 (PART 4) Section 2.

ANNEX A

OUTLINES OF ITEMS IN TABLES I(A) AND I(B)  
(Not to scale)



ANNEX B

MASTER SPECIFICATION OFFICER FOR RADIO FREQUENCY CONNECTORS

- B.1 The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (RF) on behalf of the Ministry of Defence who may be contacted at the following address:

DW PROD(N), MOD(PE)  
ASWE Extension  
Eastney Fort East  
Royal Marine Barracks  
Portsmouth  
Hants  
PO4 9PP

ANNEX C

C.1 RELATED SPECIFICATIONS AND DOCUMENTS

- C.1.1 Reference is made in this Section of the Standard to:

|                                      |                                                                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                              | 'General requirements for electronic components of assessed quality'                                                                                                                                                              |
| BS 9210                              | 'Specification for radio frequency connectors of assessed quality'                                                                                                                                                                |
| BS 9210 N003                         | 'Detail specification for radio frequency connectors of assessed quality, type BNC, unsealed, soldered, captive contact, 50 ohm, full assessment level'                                                                           |
| BS 9210 N0004                        | 'Electrical components of assessed quality: Detail specification in accordance with BS 9210. Radio frequency coaxial connectors series BNC, unsealed, soldered, captive contact, 50 ohm, basic assessment level'                  |
| PD 9002                              | 'BS 9000 and BS CECC: Qualified products list'                                                                                                                                                                                    |
| DEF STAN 59-35<br>(PART 4) SECTION 2 | 'Radio frequency coaxial connectors'                                                                                                                                                                                              |
| DEF STAN 59-36<br>(PART 1)/2         | 'Electronic components for Defence purposes. (PART 1): The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                         |
| DEF STAN 59-36<br>(PART 2)           | 'Electronic components for Defence purposes. (PART 2): Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected' |

C.1.1 (Contd)

|                            |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| DEF STAN 59-59             | 'Electrical/Electronic components for Defence use - Services qualified products list' |
| DEF STAN 61-12<br>(PART 9) | 'Cables, radio frequency'                                                             |
| CPU/PIP/109                | 'Specification for the packaging of connectors electrical'                            |

C.1.2 Reference in this Section of the Standard to any related document means, in any tender or contract, the edition current at the date of such tender or contract unless a specific edition is indicated.

C.2 The following documents and specifications are obtainable from the addresses shown:

C.2.1 Copies of British Standards:

British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND.

C.2.2 Copies of Packaging Specification No CPU/PIP/109:

Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW

C.2.3 Copies of PD 9002:

British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR

C.2.4 Copies of Defence Standards:

Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE

C.3 DATA SHEETS

- C.3.1 In addition to the documents listed in clause C.1.1, Data Sheets, which when published will contain abridged data from the BS 9210 series, are available to Defence contractors under reference:

DEF STAN 59-35 (PART 99) - Connectors, electrical, data sheets for BS 9000 Detail Specifications.

- C.3.2 Any enquiries regarding Data Sheets should be addressed to the:

Directorate of Standardization  
Stan 7/8 (Sec)  
First Avenue House  
High Holborn  
London WC1V 6HE

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Ministry of Defence

INTERIM

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Defence Standard

59-35(PART 4)

SECTION 2/Issue 1

27 January 1981

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CONNECTORS, ELECTRICAL  
PART 4: RADIO FREQUENCY  
COAXIAL CONNECTORS  
SECTION 2: PATTERN 9210 F0013  
(SERIES BNC SEALED)  
LIST OF ITEMS CONFORMING TO  
BS 9210 F0013



STYLE 06-02



STYLE 01-03

OBSOLESCENT

THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT

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INTERIM DEF STAN 59-35 (PART 4) SECTION 2/1

CONNECTORS, ELECTRICAL

PART 4: RADIO FREQUENCY COAXIAL CONNECTORS

SECTION 2: PATTERN 9210 F0013 (SERIES BNC SEALED)

LIST OF ITEMS CONFORMING TO BS 9210 F0013

AMENDMENT 1

1. Page 7

a. PAGE ITEM NO 7, Column (a)

Delete: 017-5315

Substitute: 038-6124

b. PAGE ITEM NO 8, Column (a)

Delete: 017-5316

Substitute: 038-6125

c. PAGE ITEM NO 9, Column (a)

Delete: 017-5317

Substitute: 038-6126

d. PAGE ITEM NO 10, Column (a)

Delete: 017-5318

Substitute: 038-6127

2. Make a note of this amendment on the Amendment Record.

24 APRIL 1981

DIRECTORATE OF STANDARDIZATION  
MINISTRY OF DEFENCE  
LONDON

INTERIM DEF STAN 59-35 (PART 4) SECTION 2/1

CONNECTORS, ELECTRICAL

PART 4: RADIO FREQUENCY COAXIAL CONNECTORS

SECTION 2: PATTERN 9210 F0013 (SERIES BNC SEALED)

1. This INTERIM Section of Defence Standard 59-35 (Part 4) implements BS 9210 F0013 'Detail specification for radio frequency connectors of assessed quality series BNC, sealed, soldered, captive contact, 50 ohm, full assessment level'. It is for Ministry of Defence use.
2. This INTERIM Section of the Defence Standard is to be used in conjunction with DEF STAN 59-35 'Connectors, electrical, PART 4: Radio frequency coaxial connectors' and BS 9210 'Specification for radio frequency connectors of assessed quality'. All the requirements are applicable unless stated herein.
3. Tables I(A) and I(B) list respectively the standard range of Pattern 9210 F0013 connectors, electrical, from which selection shall be made for all new requirements. At the time of publication of this INTERIM Section of the Defence Standard it contains no Table II or Table III but it is intended to add these by amendment action later.
4. For all requirements IT IS ESSENTIAL THAT EQUIPMENT DESIGNERS WORK TO THE DIMENSIONS SHOWN IN BS 9210 F0013 AND NOT TO INDIVIDUAL SPECIMENS.
5. This INTERIM Section of the Defence Standard has been agreed on behalf of the Ministry of Defence by the Master Specification Officer (MSO), see Annex A. It will be reviewed twelve months after publication.
6. This INTERIM Section of the Defence Standard has been agreed by authorities concerned. It is to be implemented, wherever practicable, in all designs, contracts, orders, etc commencing after its date of publication. If a difficulty arises which prevents application of the Defence Standard, the Directorate of Standardization shall be informed so that a remedy can be sought.
7. Any enquiries regarding this INTERIM Section of the Defence Standard in relation to an invitation to tender or a contract in which it is invoked are to be addressed to the responsible technical or supervising authority named in that invitation to tender or contract.

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|            | CONNECTORS, ELECTRICAL. RADIO FREQUENCY CONNECTORS TYPE BNC,<br>PATTERN 9210 F0013. GENERAL INFORMATION                                                              | 3           |
|            | <u>CONNECTORS, ELECTRICAL</u>                                                                                                                                        |             |
| TABLE I(A) | ) STANDARD ( CONNECTORS, ELECTRICAL, RADIO FREQUENCY<br>) RANGE ( 50 OHM, TYPE BNC, SEALED, SOLDERED,<br>) ( CAPTIVE CONTACT, SILVER PLATED, TO<br>) ( BS 9210 F0013 | 6-7         |
|            | <u>ACCESSORIES</u>                                                                                                                                                   |             |
| TABLE I(B) | ) STANDARD ( COVERS, ELECTRICAL, FOR CONNECTORS,<br>) RANGE ( ELECTRICAL, RADIO FREQUENCY, TYPE BNC<br>) ( TO BS 9210 F0013                                          | 7           |
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|            | ANNEX A - MASTER SPECIFICATION OFFICER FOR RADIO FREQUENCY CONNECTORS                                                                                                | 8           |
|            | ANNEX B - RELATED SPECIFICATIONS AND DOCUMENTS                                                                                                                       | 8           |

CONNECTORS, ELECTRICAL

RADIO FREQUENCY CONNECTORS TYPE BNC, PATTERN 9210 F0013

GENERAL INFORMATION

1. SCOPE

This INTERIM Section of Defence Standard 59-35 (Part 4) lists details of radio frequency connectors of the type described in clause 1 on page 1. Their climatic category is 55/155/56.

2. WARNING

- 2.1 This INTERIM Section of the Standard calls for the use of substances and/or test procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves either the supplier or the user from statutory obligations relating to health and safety at any stage of manufacture or use.
- 2.2 Particular attention is drawn to the following hazards although the list may not necessarily be exhaustive:
- 2.2.1 The toxic fumes emitted by polytetrafluorethylene (PTFE) when it is heated to the temperature required for soldering.
- 2.2.2 The dangers of handling cigarettes and tobacco in areas which may contain pieces of PTFE insulation stripped from cables or wire.
- 2.3 This INTERIM Section of the Standard has been devised for the use of the Ministry of Defence and of its contractors in the execution of contracts for the Ministry and, subject to the Unfair Contract Terms Act 1977, the Ministry will not be liable in any way whatever (including but without limitation negligence on the part of the Ministry its servants or agents) where the Standard is used for other purposes.

3. QUALIFICATION APPROVAL

- 3.1 It is essential that having selected a particular component from the standard ranges listed in this INTERIM Section of the Standard reference is made to:

DEF STAN 59-59      'Electrical/Electronic components for Defence use.  
Services qualified products list' or

PD 9002              'BS 9000 and BS CECC Qualified products list'

to ascertain that a Qualification Approval certificate is extant for the item concerned. If there is no such certificate at the time of selection then the relevant NATO Stock Number(s) listed herein shall not be used for ordering that item.

- 3.2 Where no Qualification Approval exists or selection from Table I cannot be made then the procedure given in DEF STAN 59-36 (PART 2) shall apply.

4. ORDERING INFORMATION

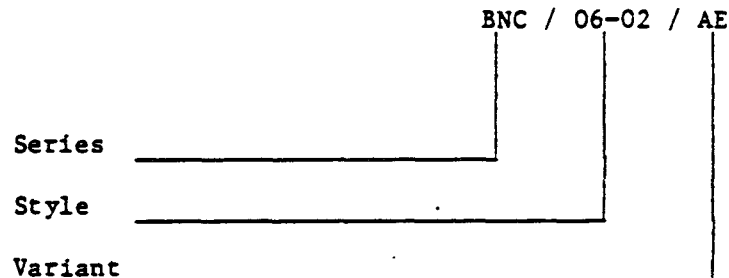
- 4.1 When ordering connectors, electrical listed in this INTERIM Section of the Standard, the ordering information required by BS 9210 F0013, Clause 6, this INTERIM Defence Standard number and the NATO Stock Number(s) shall be stated, together with the packaging requirements.
- 4.2 If any difficulties arise from the identification of connectors, electrical against NATO Stock Numbers, clarification should be sought from:

The Defence Codification Authority  
Ministry of Defence  
Leysdown road  
Motttingham  
LONDON SE9 3NN

4.3 Style and variant references

The style and variant references used in this INTERIM Section of the Standard are in accordance with DEF STAN 59-34 (PART 4) and BS 9210.

EXAMPLE OF CODED CONNECTOR DESCRIPTION



The above example corresponds to a series BNC connector, free, straight, with male centre contact, intended for soldered connection to 50 ohm cables having the following maximum diameters:

|                  |         |
|------------------|---------|
| Outer protection | 3.0 mm  |
| Outer conductor  | 2.1 mm  |
| Dielectric       | 1.6 mm  |
| Inner conductor  | 0.55 mm |

4.4 Example for ordering

Connector, electrical, free BS 9210 F0013 and DEF STAN 59-35 (PART 4)  
Section 2 Issue 0, Style BNC/06-02/AE, NATO Stock Number  
5935-99-017-5297.

Note: 0 indicates that the current Issue No is applicable

5. PACKAGING INSTRUCTION

- 5.1 The packaging of connectors, electrical is to be in accordance with the packaging instructions given in CPU Packaging Specification No CPU/PIP/109, unless otherwise stated in any tender or contract.
- 5.2 Additional requirements for marking and packaging of Pattern 9210 F0013 connectors, electrical for Service use are given in DEF STAN 59-35 (PART 4).

6. SUPPLEMENTARY INFORMATION

Additional requirements to those specified by BS 9210 and associated rules/documents may be included where these have been agreed by the Master Specification Officer.

7. RELATIONSHIP BETWEEN DEFENCE STANDARDS AND CECC/BS 9000 SERIES

For details of the relationship between Defence Standards and CECC/British Standard 9000 series reference should be made to DEF STAN 59-36 (PART 1).

8. IMPLEMENTATION OF CECC/BS HARMONIZED SPECIFICATIONS

When CECC/BS Harmonized Sectional and Detail Specifications relevant to this INTERIM Section of the Standard are published and their implementation is agreed by the MSO then this INTERIM Section will be amended to give details of the CECC documents concerned.

TABLE 1(A)

STANDARD RANGE

CONNECTORS, ELECTRICAL, RADIO FREQUENCY, 50 OHM, TYPE BNC, SEALED, SOLDERED, CAPTIVE CONTACT, SILVER PLATED  
TO BS 9210 F0013

| PACF<br>ITEM<br>NO | NATO<br>STOCK<br>NUMBER<br>5915-99- | SERVICE<br>MANAGEMENT<br>CODE |      |              | ITEM<br>NAME                      | STYLE | DESCRIPTION                                                            | VARIANT | MASS<br>MAX<br>gram | NATO STOCK NUMBER OF SUITABLE<br>DEF STAN 61-12 (PART 9) CABLE,<br>RADIO FREQUENCY<br>6145-99- |                       |
|--------------------|-------------------------------------|-------------------------------|------|--------------|-----------------------------------|-------|------------------------------------------------------------------------|---------|---------------------|------------------------------------------------------------------------------------------------|-----------------------|
|                    |                                     | NAVY                          | ARMY | AIR<br>FORCE |                                   |       |                                                                        |         |                     | 50 OHM MATCHED                                                                                 | UNMATCHED             |
|                    | (a)                                 | (b)                           | (c)  | (d)          | (e)                               | (f)   | (g)                                                                    | (h)     | (i)                 | (k)                                                                                            | (l)                   |
| 1                  | 017-5291                            | 0568                          | - -  | - -          |                                   | 01-03 | Connector coupler,<br>free, straight,<br>with female centre<br>contact | AH      | 15                  | 014-9540 and 014-9551                                                                          | -                     |
| 2                  | 017-5292                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AJ      |                     | 014-9533 and 014-9542                                                                          | -                     |
| 3                  | 017-5293                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AK      |                     | -                                                                                              | -                     |
| 4                  | 017-5294                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AL      |                     | -                                                                                              | -                     |
| 5                  | 017-5295                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BJ      |                     | -                                                                                              | 014-9558              |
| 6                  | 017-5296                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BK      |                     | -                                                                                              | 014-9544 and 014-9559 |
| 7                  | 017-5297                            | 0568                          | - -  | - -          | CONNECTOR,<br>ELECTRICAL,<br>FREE | 06-02 | Connector free,<br>straight, with<br>male centre<br>contact            | AE      | 20                  | 017-4519 and 017-4520                                                                          | -                     |
| 8                  | 017-5298                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AH      |                     | 014-9540 and 014-9551                                                                          | -                     |
| 9                  | 017-5299                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AJ      |                     | 014-9533 and 014-9542                                                                          | -                     |
| 10                 | 017-5300                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AK      |                     | -                                                                                              | -                     |
| 11                 | 017-5301                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AL      |                     | -                                                                                              | -                     |
| 12                 | 017-5302                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BI      |                     | -                                                                                              | 014-9558              |
| 13                 | 017-5303                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BK      |                     | -                                                                                              | 014-9544 and 014-9559 |
| 14                 | 017-5310                            | 0568                          | - -  | - -          |                                   | 08-02 | Connector free,<br>right angle, with<br>male centre<br>contact         | AH      | 35                  | 014-9540 and 014-9551                                                                          | -                     |
| 15                 | 017-5311                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AJ      |                     | 014-9533 and 014-9542                                                                          | -                     |
| 16                 | 017-5312                            | 0568                          | - -  | - -          |                                   |       |                                                                        | AK      |                     | -                                                                                              | -                     |
| 17                 | 017-5313                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BJ      |                     | -                                                                                              | 014-9558              |
| 18                 | 017-5314                            | 0568                          | - -  | - -          |                                   |       |                                                                        | BK      |                     | -                                                                                              | 014-9544 and 014-9559 |

- Notes:
1. The item indicated is for use with equipment wire.
  2. - - Indicates that, at the date of publication of this INTERIM Standard, the Service concerned does not use the item.
  3. - Indicates that the column heading does not apply.
  4. When only a Service management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code, eg 0568/017-5291.

| PAGE<br>ITEM<br>NO | NATO<br>STOCK<br>NUMBER<br>5915-99- | SERVICE<br>MANAGEMENT<br>CODE |      |              | ITEM<br>NAME                        | STYLE | DESCRIPTION                                                                                          | VARIANT | MASS<br>MAX<br><br>gram | NATO STOCK NUMBER OF SUITABLE<br>DEF STAN 61-12 (PART 9) CABLE,<br>RADIO FREQUENCY<br>6145-99- |                       |
|--------------------|-------------------------------------|-------------------------------|------|--------------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------|---------|-------------------------|------------------------------------------------------------------------------------------------|-----------------------|
|                    |                                     | NAVY                          | ARMY | AIR<br>FORCE |                                     |       |                                                                                                      |         |                         | 50 OHM MATCHED<br>(k)                                                                          | UNMATCHED<br>(l)      |
|                    | (a)                                 | (b)                           | (c)  | (d)          | (e)                                 | (f)   | (g)                                                                                                  | (h)     | (j)                     | (k)                                                                                            | (l)                   |
| 1                  | 017-5304                            | 0568                          | --   | --           | CONNECTOR<br>ELECTRICAL,<br>FIXED   | 07-03 | Connector fixed,<br>straight single hole                                                             | AA      | 22                      | 014-9540 and 014-9551                                                                          | -                     |
| 2                  | 017-5305                            | 0568                          | --   | --           |                                     |       | mounting, cable                                                                                      | AI      |                         | 014-9533 and 014-9542                                                                          | -                     |
| 3                  | 017-5306                            | 0568                          | --   | --           |                                     |       | outlet, with female                                                                                  | AK      |                         | -                                                                                              | -                     |
| 4                  | 017-5307                            | 0568                          | --   | --           |                                     |       | centre contact                                                                                       | AL      |                         | -                                                                                              | -                     |
| 5                  | 017-5308                            | 0568                          | --   | --           |                                     |       |                                                                                                      | BI      |                         | -                                                                                              | 014-9558              |
| 6                  | 017-5309                            | 0568                          | --   | --           |                                     |       |                                                                                                      | BK      |                         | -                                                                                              | 014-9544 and 014-9559 |
| 7                  | 017-5315                            | 0568                          | --   | --           |                                     | 05-03 | Connector fixed,<br>single hole<br>mounting, solder<br>bucket, with female<br>centre contact         | ZZ      | 12                      | -                                                                                              | Note 1                |
| 8                  | 017-5316                            | 0568                          | --   | --           | CONNECTOR<br>ELECTRICAL,<br>ADAPTOR | 18-05 | Adaptor connector<br>fixed, straight,<br>single hole mounting,<br>with two female<br>centre contacts | -       | 18                      | -                                                                                              | -                     |

Notes applicable to this Table are on page 6

TABLE 1(B)

STANDARD RANGE

COVERS, ELECTRICAL, FOR CONNECTORS, ELECTRICAL, RADIO FREQUENCY, TYPE BNC  
TO BS 9210 FOOT 3

| PAGE<br>ITEM<br>NO | NATO<br>STOCK<br>NUMBER<br>5915-99- | SERVICE<br>MANAGEMENT<br>CODE |      |              | ITEM<br>NAME        | STYLE | DESCRIPTION                                                                  | MASS<br>MAX<br><br>gram |
|--------------------|-------------------------------------|-------------------------------|------|--------------|---------------------|-------|------------------------------------------------------------------------------|-------------------------|
|                    |                                     | NAVY                          | ARMY | AIR<br>FORCE |                     |       |                                                                              |                         |
|                    | (a)                                 | (b)                           | (c)  | (d)          | (e)                 | (f)   | (g)                                                                          | (h)                     |
| 9                  | 017-5317                            | 0568                          | --   | --           | COVER<br>ELECTRICAL | 96-12 | Cover electrically protective for connector fixed and connector coupler free | 12                      |
| 10                 | 017-5318                            | 0568                          | --   | --           |                     | 97-12 | Cover electrically protective for connector free                             | 12                      |

Notes 2 and 4 on page 6 also apply to this Table

ANNEX A

MASTER SPECIFICATION OFFICER FOR RADIO FREQUENCY CONNECTORS

The Master Specification Officer (MSO) is the consulting authority for connectors, electrical, (LF) on behalf of the Ministry of Defence who may be contacted at the following address:

DW PROD(N), MOD(PE)  
ASWE Extension  
Eastney Fort East  
Royal Marine Barracks  
Portsmouth  
Hants  
PO4 9PP

ANNEX B

1. RELATED SPECIFICATIONS AND DOCUMENTS

1.1 Reference is made in this INTERIM Section of the Standard to:

|                            |                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BS 9000                    | 'General requirements for electronic components of assessed quality'                                                                                                                                                               |
| BS 9210                    | 'Specification for radio frequency connectors of assessed quality'                                                                                                                                                                 |
| BS 9210 F0013              | 'Detail specification for radio frequency connectors of assessed quality, type BNC, sealed, soldered, captive contact, 50 ohm, full assessment level                                                                               |
| PD 9002                    | 'BS 9000 and BS CECC Qualified products list'                                                                                                                                                                                      |
| DEF STAN 59-35<br>(PART 4) | 'Radio frequency coaxial connectors'                                                                                                                                                                                               |
| DEF STAN 59-36<br>(PART 1) | 'Electronic components for Defence purposes.<br>PART 1: The role of Defence Standards in relation to the BS 9000 series of specifications'                                                                                         |
| DEF STAN 59-36<br>(PART 2) | 'Electronic components for Defence purposes.<br>PART 2: Procedure for the selection and specification of electronic components for use in Defence equipment and a procedure for dealing with any non-standard components selected' |

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| DEF STAN 59-59          | 'Electrical/Electronic components for Defence use - Services qualified products list' |
| DEF STAN 61-12 (PART 9) | 'Cables, radio frequency'                                                             |
| CPU/PIP/109             | 'Specification for the packaging of connectors electrical'                            |

1.2 Reference in this INTERIM Section of the Standard to any related document means, in any tender or contract, the edition current at the date of such tender or contract unless a specific issue is indicated.

2. The following documents and specifications are obtainable from the addresses shown:

2.1 Copies of British Standards are obtainable from the:

British Standards Institution  
Sales Office  
Newton House  
101 Pentonville Road  
London N1 9ND.

2.2 Copies of BS 9000 'F' Specifications are obtainable from the relevant manufacturer listed in PD 9002.

2.3 Copies of Packaging Specification No CPU/PIP/109 are obtainable from the:

Procurement Executive  
Ministry of Defence  
Central Packaging Unit  
Garland Road  
Plumstead  
London SE18 2PW

2.4 Copies of PD 9002 are obtainable from the:

British Standards Institution  
Sales Office  
Maylands Avenue  
Hemel Hempstead  
Herts HP1 1BR

2.5 Copies of Defence Standards are obtainable from the:

Directorate of Standardization (Stan 13)  
First Avenue House  
High Holborn  
London WC1V 6HE

3.     DATA SHEETS

- 3.1     In addition to the documents listed in sub-clause 1.1, Data Sheets, which when published will contain abridged data from the BS 9210 series, are available to Defence contractors under reference:

DEF STAN 59-35 (PART 99) - Connectors, Electrical, Data Sheets for  
BS 9000 Detail Specifications.

- 3.2     Any enquiries regarding Data Sheets should be addressed to the:

Directorate of Standardization  
Stan 7/8 (Sec)  
First Avenue House  
High Holborn  
London WC1V 6HE

OBSOLESCE

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**Ministry of Defence**

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**Defence Standard**

**59 - 35 (PART 4)**

**SECTION 6 / Issue 1**

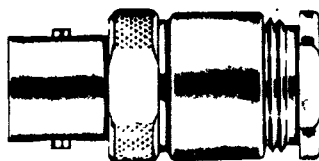
**20 May 1976**

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**PLUGS AND SOCKETS, ELECTRICAL**

**PART 4: RADIO FREQUENCY  
COAXIAL CONNECTORS**

**SECTION 6:  
DETAIL SPECIFICATION  
SERIES C**



OBSOLESCE

THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT

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PLUGS AND SOCKETS, ELECTRICAL

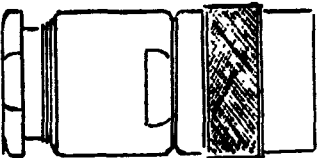
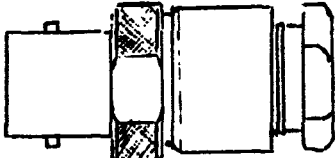
PART 4 : RADIO FREQUENCY COAXIAL CONNECTORS

SECTION 6: DETAIL SPECIFICATION - SERIES C

This Section of DEF STAN 59-35(PART 4) Supersedes  
Defence Specification DEF 5322-A-1 dated April 1968

1. This Section of this Defence Standard contains the detail specification for radio frequency coaxial connectors, series C, prepared in accordance with DEF STAN 59-35(PART 4).
2. This Section of the Standard has been prepared because there is no suitable national or any other standard acceptable to the Ministry of Defence available.
3. Table I(A) lists the standard range of connectors, radio frequency, series C, and Table I(B) lists the standard range of covers, electrical, for use with the Table I(A) items. These items are to be used in all future designs of equipment and, wherever practicable, for the maintenance of existing equipment. There are no Tables II or III.
4. The items specified herein are intermateable with the appropriate styles of Pattern 14 connectors that were specified by DEF 5322-A-1. The main difference between this specification and the superseded DEF 5322-A-1 is that bump and shock tests are not required to be undertaken at the upper and lower extremes of temperature by this specification.
5. Before selecting any item in this Section of the Standard reference should be made to DEF STAN 59-35(PART 4), clause 4, and to DEF STAN 59-59 'Services qualified products list of electronic components' together with the subsequent amendments, to ascertain that a Qualification Approval certificate is extant for the items concerned.
6. For ordering and packaging information, reference should be made to DEF STAN 59-35(PART 4), clause 9.
7. This detail specification together with DEF STAN 59-35(PART 4) contain all necessary technical information, and they are the definitive specifications for these items and must be invoked for all tender and contract purposes.
8. This Section of the Standard has been agreed by all authorities concerned who are to implement it from its date of issue.
9. If this Section of the Standard should be found unsuitable for a particular requirement, the Director of Standardization shall be informed of the circumstances. Any enquiries regarding this Section of the Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Quality Assurance Authority named in that invitation to tender or contract.

DETAIL SPECIFICATION  
RADIO FREQUENCY COAXIAL CONNECTORS  
SERIES C

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Qualification Approval Authority:</b><br>Admiralty Surface Weapons Establishment, MOD (PE)<br>Portsdown, Cosham, Portsmouth PO6 4AA, England.                                                                                                                                                                                                                                                                                                                                                                                   |  | Issue No 1                                                                                                                                                      |
| ELECTRONIC PARTS OF ASSESSED QUALITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                 |
| <b>Typical Outlines</b><br><br><div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <br/>           Style 06-02         </div> <div style="text-align: center;"> <br/>           Style 01-03         </div> </div> <p style="text-align: center;">For other styles and dimensions see Annex A</p> |  | RADIO FREQUENCY<br>COAXIAL CONNECTOR<br><br>FULL ASSESSMENT<br>LEVEL<br><br>SERIES C<br>SEALED, SOLDERED,<br>CAPTIVE CONTACT,<br>50 Ω<br><br>BAYONET<br>COUPLED |

1. PHYSICAL CHARACTERISTICS

1.1

| STYLE<br>REFERENCE<br>No | DESCRIPTION                                                                   | MASS<br>(g)<br>MAX. |
|--------------------------|-------------------------------------------------------------------------------|---------------------|
| 01-03                    | Connector coupler, free straight                                              | 45                  |
| 05-03                    | Connector fixed, single hole mounting, solder bucket (front of panel mounted) | 48                  |
| 05-03                    | Connector fixed, single hole mounting, solder bucket (rear of panel mounted)  | 48                  |
| 06-02                    | Connector free, straight                                                      | 55                  |
| 06-02                    | Connector free, straight large cable outlet                                   | 140                 |
| 07-03                    | Connector fixed, straight, single hole mounting, cable outlet.                | 60                  |

| CONNECTOR<br>VARIANT | CABLES<br>(URM NUMBER) |
|----------------------|------------------------|
|----------------------|------------------------|

Matched

|      |          |
|------|----------|
| AO   | 102, 107 |
| AQ   | 67, 304  |
| AR   | 91, 112  |
| AY / | 74       |

Unmatched

|      |                |
|------|----------------|
| BR   | 113, 105       |
| BT   | 57, 65, 303    |
| BV   | 60             |
| BX / | 77             |
| ZZ   | Equipment wire |

/ Large cable outlets only

1.1 (contd)

| STYLE<br>REFERENCE<br>No | DESCRIPTION                                                              | MASS<br>(g)<br>MAX. |
|--------------------------|--------------------------------------------------------------------------|---------------------|
| 08-02                    | Connector free, right angle                                              | 75                  |
| 16-08                    | Adaptor connector free,<br>right angle                                   | 50                  |
| 18-05                    | Adaptor connector fixed,<br>straight, single hole mounting               | 55                  |
| 98-12                    | Cover, protective, for<br>connector fixed and connector<br>coupler, free | 20                  |
| 99-12                    | Cover, protective, for<br>connector free                                 | 20                  |

1.2 Body finish. Silver (Ag)

1.3 Centre contact finish. Silver (Ag)

2. RATINGS (INCLUDING LIMITING CONDITIONS OF USE) AND CHARACTERISTICS

Nominal characteristic impedance 50  $\Omega$

|                                                              | MATCHED VARIANTS |              | UNMATCHED VARIANTS |
|--------------------------------------------------------------|------------------|--------------|--------------------|
| Reflection coefficient (and VSWR) max.                       | Up to 3 GHz      | Up to 10 GHz | Not Measured       |
| (1) Straight cable outlet styles                             | 0.10 (1.20)      | 0.13 (1.30)  |                    |
| (2) Right angle style and adaptors, straight and right angle | 0.13 (1.30)      | 0.20 (1.50)  |                    |
| (3) Solder bucket styles                                     | Not measured     |              |                    |

Capacitance (max). (solder bucket styles only) 5 pF

R.F. Shunt Resistance (min.) (solder bucket styles only). 2 M  $\Omega$  at 30 MHz

Working voltage (d.c. or a.c. peak)

INNER CONDUCTOR TO SHELL

(a) At sea level 1000 V

(b) At altitude of 20 km (44 mbar) 400 V

Proof voltage (d.c. or a.c. peak)

(a) At sea level 3 kV

(b) At altitude of 20 km (44 mbar) 1.2 kV

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Current rating max

8 A d.c.

Power rating  $\nabla$

| Before conditioning | After conditioning |
|---------------------|--------------------|
| 2 m $\Omega$        | 10 m $\Omega$      |
| 2 m $\Omega$        | 5 m $\Omega$       |
| 5 G $\Omega$        | 1 G $\Omega$       |

Contact resistance max.

Outer conductor continuity max.

Insulation resistance min.

Engagement and separation torque

450 mNm max. 70 mNm min.

Vibration severity

Frequency range

Displacement

Acceleration

Duration

10 Hz to 500 Hz

0.75 mm ) Gross over at

98 m/s<sup>2</sup> ) approximately 60 Hz  
six hours

Shock severity

490 m/s<sup>2</sup> for 11 ms

Bump severity

4000 at 390 m/s<sup>2</sup>

Climatic category

55/155/56

Resistance to test prod damage

Applicable

3. RELATED DOCUMENTS

These are listed in DEF STAN 59-35 (PART 4).

4. ADDITIONAL INFORMATION (NOT USED FOR INSPECTION PURPOSES)

For panel cut-out information see Annex B.

5. MARKING OF THE CONNECTORS AND PACKAGES

Marking shall be in accordance with DEF STAN 59-35(PART 4), clause 7a.

6. ASSEMBLY AND CABLE MOUNTING INSTRUCTIONS

Assembly and cable mounting instructions shall be included in the primary package.

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$\nabla$  As power is dependent on frequency and cable type, for information on power rating refer to the manufacturer.

7. ORDERING INFORMATION

7.1 In accordance with DEF STAN 59-35(PART 4), clauses 8 b (2), orders for connectors covered by this specification shall contain the following information:-

- (1) Description ie Radio frequency coaxial connector, series C, Style and variant (as in 1.1)
- (2) NATO Stock Number
- (3) Manufacturer's type number
- (4) DEF STAN 59-35 (PART 4) Section 6/1
- (5) Packaging instructions

7.2 The NATO Stock numbers in this Section of the Standard may have been issued in advance of the certificate of Qualification Approval. The numbers shall not be used until the relevant certificates have been issued. The issue of a Qualification Approval certificate is indicated by the inclusion of the item in DEF STAN 59-59 'Services qualified products list of electronic components.'

8. ILLUSTRATIONS AND DRAWINGS

8.1 The essential purpose of the illustrations and drawings which form part of this specification is to ensure mechanical interchangeability. It is essential that equipment designers work to the limits stated and not to the dimensions of individual specimens.

8.2 H.M. Government Drawings referred to are now associated with this section of the Standard and therefore, they must not be altered in any way which will affect function, material, or interchangeability unless the section of the Standard itself is amended. Holders of master drawings must endorse them accordingly.

9. QUALIFICATION APPROVAL

The conditions of BS 9210 clause 1.1.7 and DEF-5001-C shall apply.

9.1 Provision of samples.

The manufacturers shall submit specimens in accordance with Schedule 1 of this specification, to the Qualification Approval Authority stated on page 2. These specimens shall be representative of the standard range for which approval is desired.

9.2 Grouping of specimens.

The specimens shall be grouped as indicated in Schedule 1.

9.3 Test incidence.

Initial measurements referred to this specification as Group 0 shall be carried out immediately prior to the commencement of tests on subsequent groups and the results shall be recorded. Each test shall be applied in the order listed in Schedule 1 and in accordance with the conditions stated in Schedule 2. Where measurements are required the results shall be recorded. Where tests are not applicable this is indicated in Schedule 2.

SCHEDULE 1

| GROUP | SCHEDULE 2<br>SUB-GROUPS                                                              | DISTRIBUTION OF SPECIMENS<br>(mated pairs) |                      |
|-------|---------------------------------------------------------------------------------------|--------------------------------------------|----------------------|
|       |                                                                                       | TOTAL PER<br>GROUP                         | TEST<br>DISTRIBUTION |
| 0     | A0, A1, B1, B2, B4, D3(i),<br>D3(ii), plus tests<br>1.2.4.3 and 1.2.4.4 of<br>BS 9210 | 20                                         | 20                   |
| 1     | D3 (iii)                                                                              | 6                                          | 6                    |
| 2     | D3 (iv)                                                                               | 4                                          | 4                    |
| 3     | D3 (v)                                                                                | 2                                          | 2                    |
| 4     | D3 (vi)                                                                               | 2                                          | 2                    |
| 5     | D3 (vii)                                                                              | 1                                          | 1                    |
| 6     | D3 (viii)                                                                             | 1                                          | 1                    |
| 7     | D3 (ix)                                                                               | 2                                          | 2                    |
| 8     | D3 (x)                                                                                | 2                                          | 2                    |

**Note:** In addition, three sets of piece parts for each connector style and variant shall be supplied for test D3 (i).

10. INSPECTION REQUIREMENTS

10.1 The general inspection requirements are fully defined in BS 9210. Schedule 2 of this specification contains additional information on inspection conditions and requirements. Unless otherwise stated in Schedule 2, the provisions of 10.2 through to 10.9 shall apply.

10.2 Contact resistance and outer conductor continuity for each mated pair shall be measured using the 'light current' method specified in 1.2.4.3.3(1) of BS 9210. When testing the outer conductor continuity of panel mounted styles, where the connector shell is electrically connected to the mounting plate (see 1.2.1.1 of BS 9210), the continuity test shall include a measurement between cable braid(s) and the mounting plate. The initial contact resistances for each mated pair of contacts and any outer conductor path shall not exceed 2 mΩ. Resistances after conditioning shall not exceed 10 mΩ (inner conductor) and 5 mΩ (outer conductor).

10.3 Insulation resistance between inner conductor and the shell shall be measured at 500V ± 50V d.c.

10.4 Voltage proof shall be measured at 3 kV ± 0.1 kV d.c. or peak a.c. (40-60 Hz). There shall be no breakdown or flashover.

10.

10.5 The sealing test shall be carried out with a pressure differential of 1000-1100 mbar. Leakage shall not exceed  $1 \text{ cm}^3/\text{hr}$ .

10.6 Samples submitted to tests which are marked as '(D)' shall not be accepted for release under BS 9000 (see 2.6.5 of BS 9000: Part 1).

10.7 For tests in subgroups C3, C5, D3 (iii) and D3 (v) involving exposure to the upper temperature category, it is essential that cable having a compatible temperature capability shall be used.

10.8 The tests or measurements prescribed in BS 9210 after environmental conditioning are omitted between the environmental conditionings where these form part of a sequence in accordance with 1.2.6 of BS 9210. The appropriate tests are included at the end of each test sequence.

10.9 Due to the nature of accessories referred to in Note 2 at the end of Schedule 2, certain tests are not possible, eg contact resistance tests are not applicable to protective covers such as styles 98-12 and 99-12 either before or after conditioning.

SCHEDULE 2

| INSPECTION                            | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                                                                                                                                                                                        |                                                           | PERFORMANCE<br>REQUIREMENTS |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------|
| GROUP A                               | To be applied on a sampling basis lot-by-lot with the exception of sub-group A0. Subgroups A2, A3 and A4 are not applicable                                                                                                                                              |                                                           |                             |
| Subgroup A0                           | 100% inspection.<br>See Note 2 page 24                                                                                                                                                                                                                                   |                                                           |                             |
| Visual examination                    | 1.2.2(1)                                                                                                                                                                                                                                                                 | Either on assembled components or on contents of packages | As in 1.2.2(1) of BS 9210   |
| Subgroup A1                           | Inspection level S-3<br>AQL 1.5%<br>See Note 2 page 24                                                                                                                                                                                                                   |                                                           |                             |
| Visual examination                    | 1.2.2(2)                                                                                                                                                                                                                                                                 | Either on assembled components or on contents of packages | As in 1.2.2(2) of BS 9210   |
| Subgroup A5                           |                                                                                                                                                                                                                                                                          |                                                           |                             |
| CTR information                       | 1.1.11                                                                                                                                                                                                                                                                   | Attributes information for subgroup A1                    |                             |
| GROUP B                               | To be applied on a sampling basis lot-by-lot. Subgroups B3, B5, B6 and B7 are not applicable. (The specimens used for subgroups B1 and B2 may also be used for subgroup B4). Connectors shall be assembled in accordance with the instructions supplied by manufacturers |                                                           |                             |
| Subgroup B1                           | Inspection level S-3<br>AQL 1%.<br>See Note 2 page 24                                                                                                                                                                                                                    |                                                           |                             |
| Compatibility, mechanical (assurance) | 1.2.5.9(2)                                                                                                                                                                                                                                                               |                                                           | As in 1.2.5.9(2) of BS 9210 |

SCHEDULE 2(CONTINUED)

| INSPECTION                                       | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                                                                                           | PERFORMANCE<br>REQUIREMENTS                          |
|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Subgroup B2 (D)                                  |                                                   | Inspection level S-3<br>AQL 4%                                                                                                                                                                                                                                                                                                                                            |                                                      |
| Soldering                                        | 1.2.6.1                                           | Soldering iron method.<br>Iron size B, bit size<br>3 mm. Inner contact                                                                                                                                                                                                                                                                                                    | There shall be no<br>damage or loosening<br>of parts |
| Insulation<br>resistance                         | 1.2.4.6                                           | As in 10.3 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | $\geq 5 \text{ G}\Omega$                             |
| Voltage proof                                    | 1.2.4.7                                           | As in 10.4 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | As in 10.4 of this<br>specification                  |
| Sealing<br>(excluding panel<br>seal)             | 1.2.6.11                                          | As in 10.5 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | As in 10.5 of this<br>specification                  |
| Subgroup B4 (D)                                  |                                                   | Inspection level S-3<br>AQL 4%                                                                                                                                                                                                                                                                                                                                            |                                                      |
| Engagement and<br>separation                     | 1.2.5.5                                           |                                                                                                                                                                                                                                                                                                                                                                           | As in clause 2 of<br>this specification              |
| Gauge retention<br>force (resilient<br>contacts) | 1.2.5.2                                           | See Annex C of this<br>specification for<br>details of gauges                                                                                                                                                                                                                                                                                                             | As in 1.2.5.2 of<br>BS 9210                          |
| Subgroup B8<br>CTR information                   | 1.1.11                                            | Attributes information<br>for subgroups B1, B2<br>and B4                                                                                                                                                                                                                                                                                                                  |                                                      |
| GROUP C                                          |                                                   | Applied at three-<br>monthly intervals<br>except when Group D<br>tests are due. In<br>addition the issue<br>number of the<br>manufacturer's<br>drawing list shall<br>be checked against<br>that in the approval<br>application or<br>certificate.<br>Specimens used for<br>subgroup C1 may also<br>be used for C3 and<br>C5. Subgroups C2<br>and C4 are not<br>applicable |                                                      |

SCHEDULE 2(CONTINUED)

| INSPECTION                                    | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                     | PERFORMANCE<br>REQUIREMENTS                                                    |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Subgroup C1                                   |                                                   | Inspection level S-3<br>AQL 1%.<br>See Note 2 page 24                                                                                                                               |                                                                                |
| Outline dimensions<br>and mass                | 1.2.3.1                                           |                                                                                                                                                                                     | As in 1.1 and<br>Annex A of this<br>specification                              |
| Subgroup C3 (D)                               |                                                   | Inspection level S-3<br>AQL 4%.<br>10.7, 10.8 Notes 1 and<br>2 of this<br>specification apply<br>to tests in this sub-<br>group. Connectors<br>shall be assembled as<br>for Group B |                                                                                |
| Test prod damage<br>(female contacts<br>only) | 1.2.5.7                                           | Moment 110 mNm.<br>See Annex C of this<br>specification for<br>details of the<br>test prod and gauges.<br>Not applicable to<br>styles referred to in<br>Note 2 page 24              | As 1.2.5.7 of<br>BS 9210                                                       |
| Rapid change of<br>temperature<br>followed by | 1.2.6.9                                           | - 55°C to + 155°C                                                                                                                                                                   |                                                                                |
| Damp heat, steady<br>state                    | 1.2.6.8                                           | Severity 40° $\pm$ 2°C<br>for 21 days.<br>Polarizing voltage<br>60 $\pm$ 5 V d.c.<br>Inner conductor to<br>be positive.<br>Working Voltage<br>1kV $\pm$ 50 V d.c. or<br>a.c. peak   | As in 1.2.6.8 of<br>BS 9210.<br>There shall be no<br>breakdown or<br>flashover |
| Final measurements                            |                                                   |                                                                                                                                                                                     |                                                                                |
| Contact<br>resistance                         | 1.2.4.3                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated). Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                         | $\leq 10 \text{ m}\Omega$                                                      |

SCHEDULE 2(CONTINUED)

| INSPECTION                 | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST                                                                                                                  | PERFORMANCE REQUIREMENTS         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Subgroup C3 (D) (contd)    |                                                                                                                                                                 |                                  |
| Outer conductor continuity | 1.2.4.4 As in 10.2 of this specification (mated connectors not separated). Not applicable to styles referred to in Note 2 page 24                               | $\leq 5 \text{ m}\Omega$         |
| Insulation resistance      | 1.2.4.6 As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\geq 1 \text{ G}\Omega$         |
| Voltage proof              | 1.2.4.7 As in 10.4 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | As in 10.4 of this specification |
| Visual inspection          | 1.2.2                                                                                                                                                           | As in 1.2.2 of BS 9210           |
| Engagement and separation  | 1.2.5.5                                                                                                                                                         | As in clause 2 page 3            |
| Subgroup C5 (D)            |                                                                                                                                                                 |                                  |
|                            | Inspection level S-3<br>AQL 4%.<br>10.7, 10.8 Notes 1 and 2 of this specification apply to tests in this subgroup. Connectors shall be assembled as for Group B |                                  |
| Mechanical endurance       | 1.2.7.1 50 operations at not more than 15 per minute                                                                                                            |                                  |
| followed by                |                                                                                                                                                                 |                                  |
| High temperature endurance | 1.2.7.2 Severity $155^{\circ} \pm 5^{\circ}\text{C}$ for 250 hours with no electrical load                                                                      |                                  |
| Final measurements         |                                                                                                                                                                 |                                  |
| Insulation resistance      | 1.2.4.6 As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\geq 1 \text{ G}\Omega$         |
| Contact resistance         | 1.2.4.3 As in 10.2 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\leq 10 \text{ m}\Omega$        |

SCHEDULE 2(CONTINUED)

| INSPECTION                    | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                                                                               | PERFORMANCE<br>REQUIREMENTS         |
|-------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Subgroup C5 (D) (contd)       |                                                   |                                                                                                                                                                                                                                                                                                                                                               |                                     |
| Outer conductor<br>continuity | 1.2.4.4                                           | As in 10.2 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                                                                                                                                                          | $\leq 5 \text{ m}\Omega$            |
| Voltage proof                 | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                                                                                                                                                          | As in 10.4 of this<br>specification |
| Engagement and<br>separation  | 1.2.5.5                                           |                                                                                                                                                                                                                                                                                                                                                               | As in clause 2<br>page 3            |
| Sealing                       | 1.2.6.11                                          | As in 10.5 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                                                                                                                                                          | As in 10.5 of this<br>specification |
| Subgroup C6                   |                                                   |                                                                                                                                                                                                                                                                                                                                                               |                                     |
| CTR information               | 1.1.11                                            | Attributes information<br>for subgroup C3 and<br>C5                                                                                                                                                                                                                                                                                                           |                                     |
| GROUP D (D)                   |                                                   |                                                                                                                                                                                                                                                                                                                                                               |                                     |
|                               |                                                   | D3 tests are to be<br>performed at 3-year<br>intervals. The<br>sample size shall be in<br>accordance with<br>Schedule 1 of this<br>specification. In<br>addition the issue<br>number of the<br>manufacturer's drawing<br>list shall be checked<br>against that in the<br>approval application or<br>certificate.<br>Subgroups D1 and D2 are<br>not applicable |                                     |

SCHEDULE 2 (CONTINUED)

| INSPECTION                             | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST                                                                               |                                                                                                                                                                      | PERFORMANCE REQUIREMENTS                                                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3 (i)                        | See Note 2 page 24                                                                                                           |                                                                                                                                                                      |                                                                                                                                                                           |
| Dimensions and materials (piece parts) | 1.2.3.2                                                                                                                      | Three sets of piece parts for each connector style and variant. It is not necessary to repeat measurements on common piece parts from the same source of manufacture | As 1.2.3.2 of BS 9210                                                                                                                                                     |
| Subgroup D3 (ii)                       | See Note 2 page 24                                                                                                           |                                                                                                                                                                      |                                                                                                                                                                           |
| Outline dimensions and mass            | 1.2.3.1                                                                                                                      |                                                                                                                                                                      | As in 1.1 and Annex A of this specification                                                                                                                               |
| Compatibility mechanical (gauging)     | 1.2.5.9(1)                                                                                                                   | Using compatibility gauges. See Figs 3 & 4 of Annex C for essential dimensional details.                                                                             | As in 1.2.5.9(1) of BS 9210                                                                                                                                               |
| Subgroup D3 (iii)(D)                   | 10.7, 10.8 Notes 1 and 2 of this specification apply to tests in this subgroup. Connectors shall be assembled as for Group B |                                                                                                                                                                      |                                                                                                                                                                           |
| Contact and insert retention           | 1.2.5.3                                                                                                                      | Axial forces<br>(1) 44.5N<br>(2) 222.5N<br><br>Forces shall be applied in a controlled manner without jerking or snatching                                           | There shall be no permanent displacement of the contact in relation to the insert, or the insert in relation to the shell. There shall be no damage or loosening of parts |
| reflection coefficient                 | 1.2.4.1                                                                                                                      | Frequency range of measurement up to 3 GHz and up to 10 GHz                                                                                                          | As in clause 2 page 3                                                                                                                                                     |
| followed by<br>Partial discharge       | 1.2.4.12                                                                                                                     | Not applicable to styles referred to in Note 2 page 24                                                                                                               | Extinction voltage shall be $\geq 500$ V                                                                                                                                  |

**SCHEDULE 2 (CONTINUED)**

| INSPECTION                     | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                                                                                                                                                                                                                                                                                                                                                                               | PERFORMANCE<br>REQUIREMENTS                                                                                                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3(iii)(D)<br>(contd) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                            |
| followed by<br>Bump            | 1.2.6.3<br><br>With an appropriate cable from 1.1. Free length of cable 200-300 mm. Acceleration $390 \text{ m/s}^2$ . Number of bumps $4000 \pm 10$ . Temperature $22.5^\circ \pm 7.5^\circ \text{C}$ . Cables to be clamped in axial alignment on a stationary support $200 \pm 1 \text{ mm}$ from cable entry                                                                                                                                                | Permissible change in circuit resistance $\leq 10 \text{ k } \Omega$<br>Permissible duration of change $\leq 10 \mu \text{ s}$ .<br>Not applicable to styles referred to in Note 2 page 24 |
| followed by<br>Vibration       | 1.2.6.4<br><br>With an appropriate cable from 1.1. Free length of cable 200-300 mm. Procedure A. Frequency range 10 Hz to 500 Hz. Displacement amplitude 0.75 mm (up to 60 Hz) and acceleration amplitude $98 \text{ m/s}^2$ (above 60 Hz). Duration of sweep 30 minutes. Duration of test six hours. Temperature $22.5^\circ \pm 7.5^\circ \text{C}$ . Cables to be clamped in axial alignment on a stationery support $200 \pm 1 \text{ mm}$ from cable entry | Permissible change in circuit resistance $\leq 10 \text{ k } \Omega$<br>Permissible duration of change $\leq 10 \mu \text{ s}$ .<br>Not applicable to styles referred to in Note 2 page 24 |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                 | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                          | PERFORMANCE<br>REQUIREMENTS                                                                                                                           |
|--------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3(iii)(D)<br>(contd)             |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| followed by<br>Shock                       | 1.2.6.5                                           | With an appropriate cable from 1.1. Free length of cable 200-300 mm. Severity 490 m/s <sup>2</sup> for 11 ms. Temperature 22.5 <sup>o</sup> ± 7.5 C. Cables to be clamped in axial alignment 200 ± 1 mm from cable entry | Permissible change in circuit resistance ≤ 10 kΩ<br>Permissible duration of change ≤ 10 μs.<br>Not applicable to styles referred to in Note 2 page 24 |
| Intermediate measurements                  |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| Visual Inspection                          | 1.2.2                                             |                                                                                                                                                                                                                          | As 1.2.2(1) and (2) of BS 9210.<br>There shall be no mechanical damage, movement or displacement of parts                                             |
| followed by                                |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| Rapid change of temperature                | 1.2.6.9                                           | Temperature - 55 <sup>o</sup> C and + 155 <sup>o</sup> C                                                                                                                                                                 |                                                                                                                                                       |
| followed by                                |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| Climatic sequence                          | 1.2.6.7.6                                         | Severity 55/155/56<br>Low air pressure severity 44 mbar                                                                                                                                                                  | As 1.2.6.7.6 of BS 9210                                                                                                                               |
| Intermediate measurements                  |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| Voltage proof (whilst at low air pressure) | 1.2.4.7                                           | As in clause 2 page 3.<br>Not applicable to styles referred to in Note 2 page 24                                                                                                                                         | As in 1.2.6.7.5 of BS 9210                                                                                                                            |
| Final measurements                         |                                                   |                                                                                                                                                                                                                          |                                                                                                                                                       |
| Contact resistance                         | 1.2.4.3                                           | As in 10.2 of this specification (mated connectors not separated). Not applicable to styles referred to in Note 2 page 24                                                                                                | ≤ 10 m Ω                                                                                                                                              |

SCHEDULE 2 (CONTINUED)

| INSPECTION                            | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                             | PERFORMANCE<br>REQUIREMENTS          |
|---------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Subgroup D3(iii)(D)<br>(contd)        |                                                   |                                                                                                                                             |                                      |
| Outer conductor<br>continuity         | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated). Not<br>applicable to styles<br>referred to in Note 2<br>page 24 | $\leq 5 \text{ m } \Omega$           |
| Insulation<br>resistance              | 1.2.4.6                                           | As in 10.3 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | $\geq 1 \text{ G } \Omega$           |
| Visual<br>inspection                  | 1.2.2                                             |                                                                                                                                             | As in 1.2.2(1) and<br>(2) of BS 9210 |
| Engagement and<br>separation          | 1.2.5.5                                           |                                                                                                                                             | As in clause 2<br>page 3             |
| Sealing                               | 1.2.6.11                                          | As in 10.5 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | As in 10.5 of this<br>specification  |
| R.F. shunt<br>resistance              | 1.2.4.11                                          | Frequency 30 MHz.<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                           | As in clause 2<br>page 3             |
| Voltage proof                         | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | As in 10.4 of this<br>specification  |
| Subgroup D3 (iv) (D)                  |                                                   | 10.7 Notes 1 and 2 of<br>this specification<br>apply to tests in this<br>subgroup.<br>Connectors shall be<br>assembled as for<br>Group B    |                                      |
| Voltage proof with<br>water immersion | 1.2.4.8                                           | Test voltage as in 10.4<br>of this specification                                                                                            | As in 10.4 of this<br>specification  |

SCHEDULE 2 (CONTINUED)

| INSPECTION                      | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                              | PERFORMANCE<br>REQUIREMENTS                                                      |
|---------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Subgroup D3 (iv) (D)<br>(contd) |                                                   |                                                                                                                                                                                                                              |                                                                                  |
| followed by                     |                                                   |                                                                                                                                                                                                                              |                                                                                  |
| Damp heat, steady<br>state      | 1.2.6.8                                           | Severity: $40^{\circ} \pm 2^{\circ}\text{C}$<br>for 56 days.<br>Polarizing voltage<br>$60 \pm 5$ V d.c. Inner<br>conductor to be<br>positive. Working<br>voltage $1000 \text{ V} \pm$<br>$50 \text{ V}$ d.c. or a.c.<br>peak | As in 1.2.6.8 of<br>BS 9210.<br>There shall be no<br>breakdown or flash-<br>over |
| Final measurements              |                                                   |                                                                                                                                                                                                                              |                                                                                  |
| Contact<br>resistance           | 1.2.4.3                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                                  | $\leq 10 \text{ m}\Omega$                                                        |
| Outer conductor<br>continuity   | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                                  | $\leq 5 \text{ m}\Omega$                                                         |
| Insulation<br>resistance        | 1.2.4.6                                           | As in 10.3 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                         | $\geq 1 \text{ G}\Omega$                                                         |
| Voltage proof                   | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                         | As in 10.4 of this<br>specification                                              |
| Visual<br>inspection            | 1.2.2                                             |                                                                                                                                                                                                                              | As in 1.2.2(1) and<br>(2) of BS 9210                                             |
| Engagement and<br>separation    | 1.2.5.5                                           |                                                                                                                                                                                                                              | As in clause 2<br>page 3                                                         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                 | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                              | PERFORMANCE<br>REQUIREMENTS      |
|--------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Subgroup D3 (v) (D)                        |                                                   | 10.7, 10.8 Notes 1 and 2 of this specification apply to tests in this subgroup. Connectors shall be assembled as for Group B |                                  |
| Mechanical endurance                       | 1.2.7.1                                           | 500 operations at not more than 15 per minute                                                                                |                                  |
| Intermediate measurements                  |                                                   |                                                                                                                              |                                  |
| Engagement and separation                  | 1.2.5.5                                           |                                                                                                                              | As in clause 2 page 3            |
| Gauge retention force (resilient contacts) | 1.2.5.2                                           | No sizing - see ANNEX C of this specification for gauge details. Not applicable to styles referred to in Note 2 page 24      | As in 1.2.5.2 of BS 9210         |
| followed by                                |                                                   |                                                                                                                              |                                  |
| High temperature endurance                 | 1.2.7.2                                           | Severity $155^{\circ} \pm 5^{\circ}\text{C}$ for 1000 hours                                                                  | As 1.2.7.2 of BS 9210            |
| Intermediate measurements                  |                                                   | During the last 250 hours and whilst at high temperature                                                                     |                                  |
| Insulation resistance                      | 1.2.4.6                                           | As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                     | $\geq 1\text{ G}\Omega$          |
| Sealing                                    | 1.2.4.11                                          | As in 10.5 of this specification                                                                                             | As in 10.5 of this specification |
| Final measurements after recovery          |                                                   |                                                                                                                              |                                  |
| Contacts resistance                        | 1.2.4.3                                           | As in 10.2 of this specification (mated connectors not separated). Not applicable to styles referred to in Note 2 page 24    | $\leq 10\text{ m}\Omega$         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                                                                                                                                                                                                                                                                                                                        | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                   | PERFORMANCE<br>REQUIREMENTS         |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------|-------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| Subgroup D3 (v) (D)<br>(contd)                                                                                                                                                                                                                                                                                                                    |                                                   |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Outer conductor<br>continuity                                                                                                                                                                                                                                                                                                                     | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                                       | $\leq 5 \text{ m } \Omega$          |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Voltage proof                                                                                                                                                                                                                                                                                                                                     | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                              | As in 10.4 of this<br>specification |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Engagement and<br>separation                                                                                                                                                                                                                                                                                                                      | 1.2.5.5                                           |                                                                                                                                                                                                                                   | As in clause 2<br>page 3            |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Sealing                                                                                                                                                                                                                                                                                                                                           | 1.2.6.11                                          | As in 10.5 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                              | As in 10.5 of this<br>specification |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Subgroup D3 (vi) (D)                                                                                                                                                                                                                                                                                                                              |                                                   | Note 1 applies to<br>tests in this subgroup.<br>Connectors shall be<br>assembled as for<br>Group B, with<br>150-200 mm of the<br>appropriate cable from<br>1.1                                                                    |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Cable pulling                                                                                                                                                                                                                                                                                                                                     | 1.2.5.8.2.2                                       | The force shall be<br>applied in a<br>controlled manner at<br>a distance $\geq 50 \text{ mm}$<br>from the cable outlet,<br>without jerking or<br>snatching and shall be<br>maintained at the<br>specified value for one<br>minute | As 1.2.5.8.2.1<br>of BS 9210        |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| <table><tr><td>Connector<br/>Variant</td><td>Force (N)<br/>Min.</td></tr><tr><td>AO</td><td>312</td></tr><tr><td>AQ</td><td>623</td></tr><tr><td>AR</td><td>623</td></tr><tr><td>AY</td><td>623</td></tr><tr><td>BR</td><td>312</td></tr><tr><td>BT</td><td>623</td></tr><tr><td>BV</td><td>623</td></tr><tr><td>BX</td><td>623</td></tr></table> |                                                   |                                                                                                                                                                                                                                   |                                     | Connector<br>Variant | Force (N)<br>Min. | AO | 312 | AQ | 623 | AR | 623 | AY | 623 | BR | 312 | BT | 623 | BV | 623 | BX | 623 |
| Connector<br>Variant                                                                                                                                                                                                                                                                                                                              | Force (N)<br>Min.                                 |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| AO                                                                                                                                                                                                                                                                                                                                                | 312                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| AQ                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| AR                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| AY                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| BR                                                                                                                                                                                                                                                                                                                                                | 312                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| BT                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| BV                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| BX                                                                                                                                                                                                                                                                                                                                                | 623                                               |                                                                                                                                                                                                                                   |                                     |                      |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |

SCHEDULE 2 (CONTINUED)

| INSPECTION                      | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                       | PERFORMANCE<br>REQUIREMENTS   |
|---------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Subgroup D3 (vi) (D)<br>(contd) |                                                   |                                                                                                                                                                                                                                                                       |                               |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| Cable rotation                  | 1.2.5.8.3                                         | Number of revolutions 10                                                                                                                                                                                                                                              | As 1.2.5.8.3<br>of BS 9210    |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| Cable bending                   | 1.2.5.8.4                                         | The force, applied by means of a mass attached to the free end of the cable, shall be such that when the loaded end is allowed to make a controlled descent through 90° the cable will take up its minimum bending radius (see BS 2316). Test to be repeated 10 times | As in 1.2.5.8.4<br>of BS 9210 |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| Cable torsion                   | 1.2.5.8.5                                         | Applied torque<br>$\geq 3.5$ Nm. Point of application 20 to 25 mm from fixed connector cable entry.<br>Duration $\geq 10$ s                                                                                                                                           | As 1.2.5.8.5<br>of BS 9210    |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| Impact (free specimens only)    | 1.2.5.6                                           | The length of cable may be mechanically extended using the same type of cable to a total length of<br>$\geq 1510$ mm.<br>Drop height: $\geq 900$ mm.<br>Number of impacts 5                                                                                           | As 1.2.5.6 of<br>BS 9210      |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| R.F. shunt resistance           | 1.2.4.11                                          | See clause 2 page 3<br>Frequency 30 MHz                                                                                                                                                                                                                               | As in clause 2<br>page 3      |
| followed by                     |                                                   |                                                                                                                                                                                                                                                                       |                               |
| Capacitance                     | 1.2.4.10                                          | See clause 2 page 3                                                                                                                                                                                                                                                   | As in clause 2<br>page 3      |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                                                                                                                                                                                                              | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                              | PERFORMANCE<br>REQUIREMENTS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Subgroup D3 (vi) (D)<br>(contd)<br><br>followed by<br><br>Static load<br>(for fixed<br>connectors only)<br><br>followed by<br><br>Robustness of<br>terminations<br><br>followed by<br><br>Test prod damage<br>(female contacts<br>only) | 1.2.5.4                                           | Force $\geq$ 100N.<br>The point of<br>application shall be<br>10 $\pm$ 1 mm from the<br>mounting plane                       | As 1.2.5.4 of<br>BS 9210    |
|                                                                                                                                                                                                                                         | 1.2.6.2                                           | Force applied<br>$\geq$ 44.5 N minimum<br>(solder bucket styles<br>only)                                                     | As 1.2.6.2 of<br>BS 9210    |
|                                                                                                                                                                                                                                         | 1.2.5.7                                           | Moment - 110 mNm<br>Details of the test<br>prod and gauges for<br>this test are given in<br>Annex C of this<br>specification | As 1.2.5.7 of<br>BS 9210    |
| Subgroup D3(vii)(D)<br>Flammability                                                                                                                                                                                                     | 1.2.6.16                                          |                                                                                                                              | As 1.2.6.16.1 of<br>BS 9210 |
| Subgroup D3(viii)(D)<br><br>Mould growth<br><br>Final measurements                                                                                                                                                                      |                                                   | Note 1 page 24<br>applies to tests in<br>this subgroup.                                                                      |                             |
|                                                                                                                                                                                                                                         | 1.2.6.13                                          |                                                                                                                              | As 1.2.6.13 of<br>BS 9210   |
| Insulation<br>resistance                                                                                                                                                                                                                | 1.2.4.6                                           | As in 10.3 of this<br>specification                                                                                          | $\geq$ 1 G $\Omega$         |
| Contact<br>resistance                                                                                                                                                                                                                   | 1.2.4.3                                           | As in 10.2 of this<br>specification                                                                                          | $\leq$ 10 m $\Omega$        |
| Outer conductor<br>continuity                                                                                                                                                                                                           | 1.2.4.4                                           | As in 10.2 of this<br>specification                                                                                          | $\leq$ 5 m $\Omega$         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                              | BS 9210: 9171 REFERENCE AND CONDITIONS OF TEST |                                                                                                                                                                                                   | PERFORMANCE REQUIREMENTS                                                 |
|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Subgroup D3(ix)(D)                                      |                                                | Notes 1 and 2 page 24 apply to tests in this subgroup. The specimens shall be divided into two groups as follows:<br>(1) 1 specimen for corrosive atmosphere test<br>(2) 1 specimen for dust test |                                                                          |
| Corrosive atmosphere (salt mist)                        | 1.2.6.14                                       | Severity 1                                                                                                                                                                                        |                                                                          |
|                                                         | 1.2.6.14(2)                                    | Working Voltage 1 kV $\pm$ 50 d.c. or a.c. peak. Voltage shall be applied, to mated specimens only, for five minutes within 15 minutes of removal from the conditioning chamber                   | As in 1.2.6.14(2) of BS 9210<br>There shall be no breakdown or flashover |
| Intermediate measurements                               |                                                |                                                                                                                                                                                                   |                                                                          |
| Engagement and separation                               | 1.2.5.5                                        |                                                                                                                                                                                                   | To be achievable by hand in the normal manner                            |
| After cleaning the following tests shall be carried out |                                                |                                                                                                                                                                                                   |                                                                          |
| Visual inspection                                       | 1.2.2.                                         |                                                                                                                                                                                                   | As 1.2.2 of BS 9210                                                      |
| Engagement and separation                               | 1.2.5.5                                        |                                                                                                                                                                                                   | As in clause 2 page 3                                                    |
| Contact resistance                                      | 1.2.4.3                                        | As in 10.2 of this specification                                                                                                                                                                  | $\leq 10 \text{ m } \Omega$                                              |
| Outer conductor continuity                              | 1.2.4.4                                        | As in 10.2 of this specification                                                                                                                                                                  | $\leq 5 \text{ m } \Omega$                                               |
| Insulation resistance                                   | 1.2.4.6                                        | As in 10.3 of this specification                                                                                                                                                                  | $\geq 1 \text{ G } \Omega$                                               |
| Voltage proof followed by                               | 1.2.4.7                                        | As in 10.4 of this specification                                                                                                                                                                  | As in 10.4 of this specification                                         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                    | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                     | PERFORMANCE REQUIREMENTS    |
|-------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Subgroup D3(ix)(D)<br>(contd) |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Dust                          | 1.2.6.15                                       |                                                                                                                                                                                                                                                                                                     | As in 1.2.6.15.1 of BS 9210 |
| Final measurements            |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Contact resistance            | 1.2.4.3                                        | As in 10.2 of this specification                                                                                                                                                                                                                                                                    | $\leq 10 \text{ m } \Omega$ |
| Outer conductor continuity    | 1.2.4.4                                        | As in 10.2 of this specification                                                                                                                                                                                                                                                                    | $\leq 5 \text{ m } \Omega$  |
| Engagement and separation     | 1.2.5.5                                        |                                                                                                                                                                                                                                                                                                     | As in clause 2 page 3       |
| Visual inspection             | 1.2.2                                          |                                                                                                                                                                                                                                                                                                     | As in 1.2.2 of BS 9210      |
| Subgroup D3(x)(D)             |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Resistance to solvents        | 1.2.8                                          | Notes 1 and 2 page 24 apply to tests in this subgroup<br>Solvents listed in BS 9210 Appendix J1.(4) and (5)<br>J2.(1) and (2)                                                                                                                                                                       |                             |
| Final measurements            |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Insulation resistance         | 1.2.4.6                                        | As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                                                                                                                                                            | $\geq 1 \text{ G } \Omega$  |
| Engagement and separation     | 1.2.5.5                                        |                                                                                                                                                                                                                                                                                                     | As in clause 2 page 3       |
| Subgroup D4                   |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| CTR information               | 1.1.11                                         | The values of reflection coefficient obtained in the D3(iii) test shall be presented as measurement information in the CTR<br><br>Insulation resistance, contact resistance, and outer conductor continuity at the end of the D3(iii) tests shall be presented as attributes information in the CTR |                             |

SCHEDULE 2 (CONTINUED)

NOTES APPLICABLE TO SCHEDULE 2

- Note 1.      The requisite test parameters covered by the final measurements in this subgroup may be measured prior to the commencement of the test or test sequence.
- Note 2.      This inspection also applies where possible to accessories such as styles 98-12 and 99-12. Inspections referring to Note 2 form the complete inspection requirements for these styles, which may be mated with appropriate connectors during the tests. These tests then apply to both the connector and the accessory.

**TABLE I(A)**  
**STANDARD RANGE**  
**CONNECTOR, RADIO FREQUENCY, SERIES C**

| PAGE<br>ITEM<br>NO | NATO<br>STOCK NO<br>5935-99- | STYLE  | DESCRIPTION                                                                   | MAXIMUM<br>WEIGHT<br>(gram) | CONTROL<br>DRAWINGS<br>ANNEX C<br>FIGS | OUTLINE<br>DIMENSIONS<br>ANNEX A<br>FIG | VARIANT | SUITABLE CABLE.<br>BS 2316: URM- |                 | NOTES   |
|--------------------|------------------------------|--------|-------------------------------------------------------------------------------|-----------------------------|----------------------------------------|-----------------------------------------|---------|----------------------------------|-----------------|---------|
|                    |                              |        |                                                                               |                             |                                        |                                         |         | 50 Ω. MATCHED<br>IMPEDANCE       | UNMATCHED       |         |
|                    |                              |        |                                                                               |                             |                                        |                                         |         | (a)                              | (b)             |         |
| 1                  | 017-2203                     | )      | Connector coupler, free, straight. Female contact                             | 45                          | 2, 4 and 5                             | 1                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 2                  | 017-2204                     | )01-03 |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 3                  | 017-2205                     | )      |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 4                  | 017-2206                     | )      | Connector fixed, single hole mounting, solder bucket, Female contact          | 48                          | 2, 4 and 5                             | 2<br>3                                  | ZZ      | -                                | -               | 1 and 2 |
| 5                  | 017-2207                     | )05-03 |                                                                               |                             |                                        |                                         |         | -                                | -               | 1 and 3 |
| 6                  | 017-2208                     | )      | Connector free, straight. Male contact                                        | 55                          | 1, 3 and 5                             | 4                                       | AQ/BR   | 102 and 107                      | 105 and 113     | -       |
| 7                  | 017-2209                     | )06-02 |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 8                  | 017-2210                     | )      |                                                                               | 140                         |                                        | 5                                       | AR/BV   | 91 and 112                       | 60              | -       |
| 9                  | 017-2211                     | )      |                                                                               |                             |                                        |                                         | AY/BX   | 74                               | 77              | 4       |
| 10                 | 017-2212                     | )      | Connector fixed, straight, single hole mounting, cable outlet. Female contact | 60                          | 2, 4 and 5                             | 6                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 11                 | 017-2213                     | )07-03 |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65, and 303 | -       |
| 12                 | 017-2214                     | )      |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 13                 | 017-2215                     | )      | Connector free, right angle. Male contact                                     | 75                          | 1, 3 and 5                             | 7                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 14                 | 017-2216                     | )08-02 |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 15                 | 017-2217                     | )      |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 16                 | 017-2218                     | 16-08  | Adaptor connector free, right angle. One male, Two female contacts            | 50                          | 1, 2, 3, 4 and 5                       | 8                                       | -       | -                                | -               | -       |
| 17                 | 017-2219                     | 18-05  | Adaptor connector fixed, straight, single hole mounting, Two female contacts  | 55                          | 2, 4 and 5                             | 9                                       | -       | -                                | -               | -       |

**TABLE I(B)**  
**STANDARD RANGE**  
**COVER, ELECTRICAL FOR CONNECTOR RADIO FREQUENCY, SERIES C**

| PAGE<br>ITEM<br>NO | NATO<br>STOCK NO<br>5935-99- | STYLE | DESCRIPTION                                                     | MAXIMUM<br>WEIGHT<br>(gram) | CONTROL<br>DRAWING<br>ANNEX C<br>FIG | OUTLINE<br>DIMENSIONS<br>ANNEX A<br>FIG |
|--------------------|------------------------------|-------|-----------------------------------------------------------------|-----------------------------|--------------------------------------|-----------------------------------------|
|                    | (a)                          | (b)   | (c)                                                             | (d)                         | (e)                                  | (f)                                     |
| 1                  | 017-2220                     | 98-12 | Cover protective for connector fixed and connector coupler free | 20                          | 5                                    | 10                                      |
| 2                  | 017-2221                     | 99-12 | Cover protective for connector free                             | 20                          | 5                                    | 11                                      |

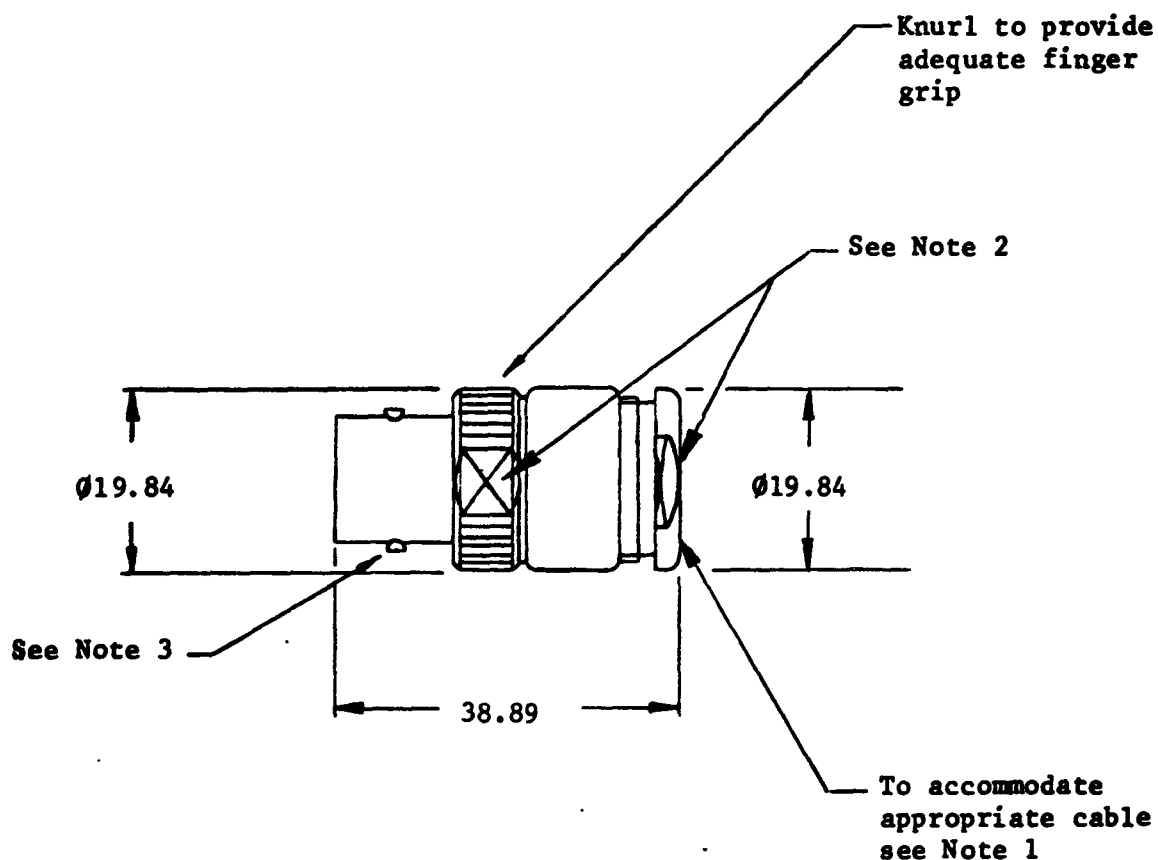
Notes

- For use with equipment wire.
- Rear of panel mounted.
- Front of panel mounted.
- Large cable outlet.
- indicates that the column heading does not apply.

ANNEX A  
OUTLINE DRAWINGS

In the following outline drawings:

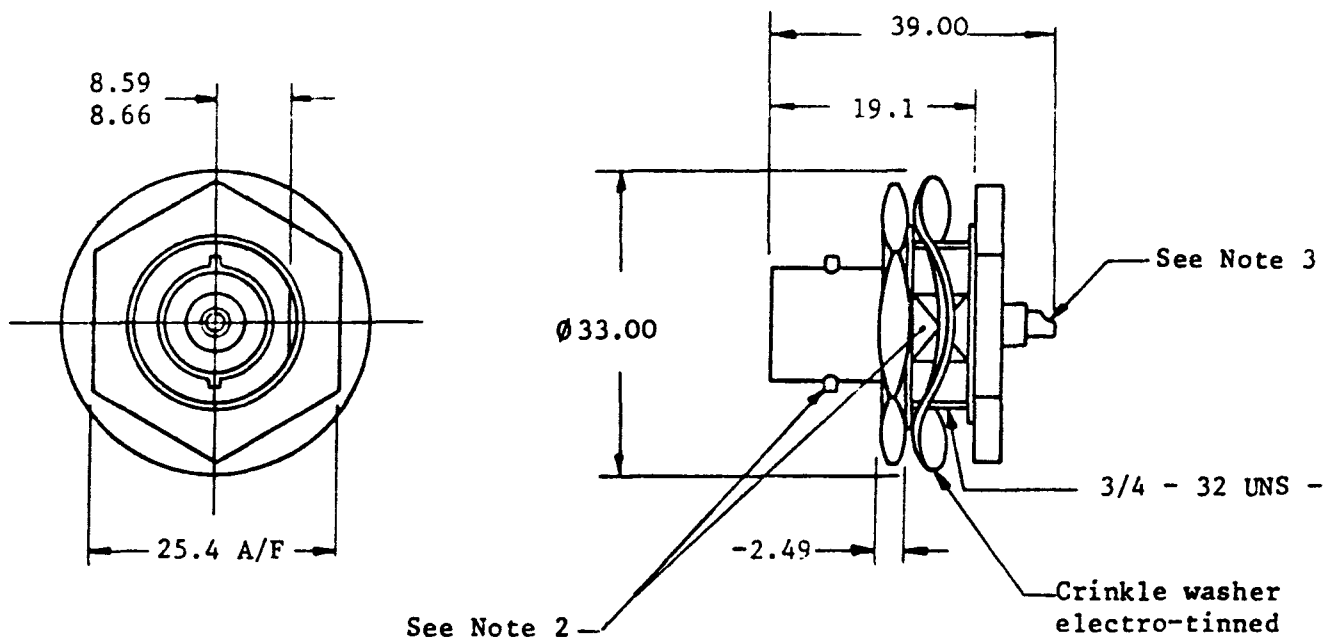
- (a) The dimensions which are in millimetres are derived from the original inch dimensions.
- (b) Unless otherwise stated all dimensions are maximum.
- (c) Third angle projection is used where projected views are shown.
- (d) All spanner flats to be preferred Standard A/F size.



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable:
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Orientation of spanner flats to bayonet studs is optional.

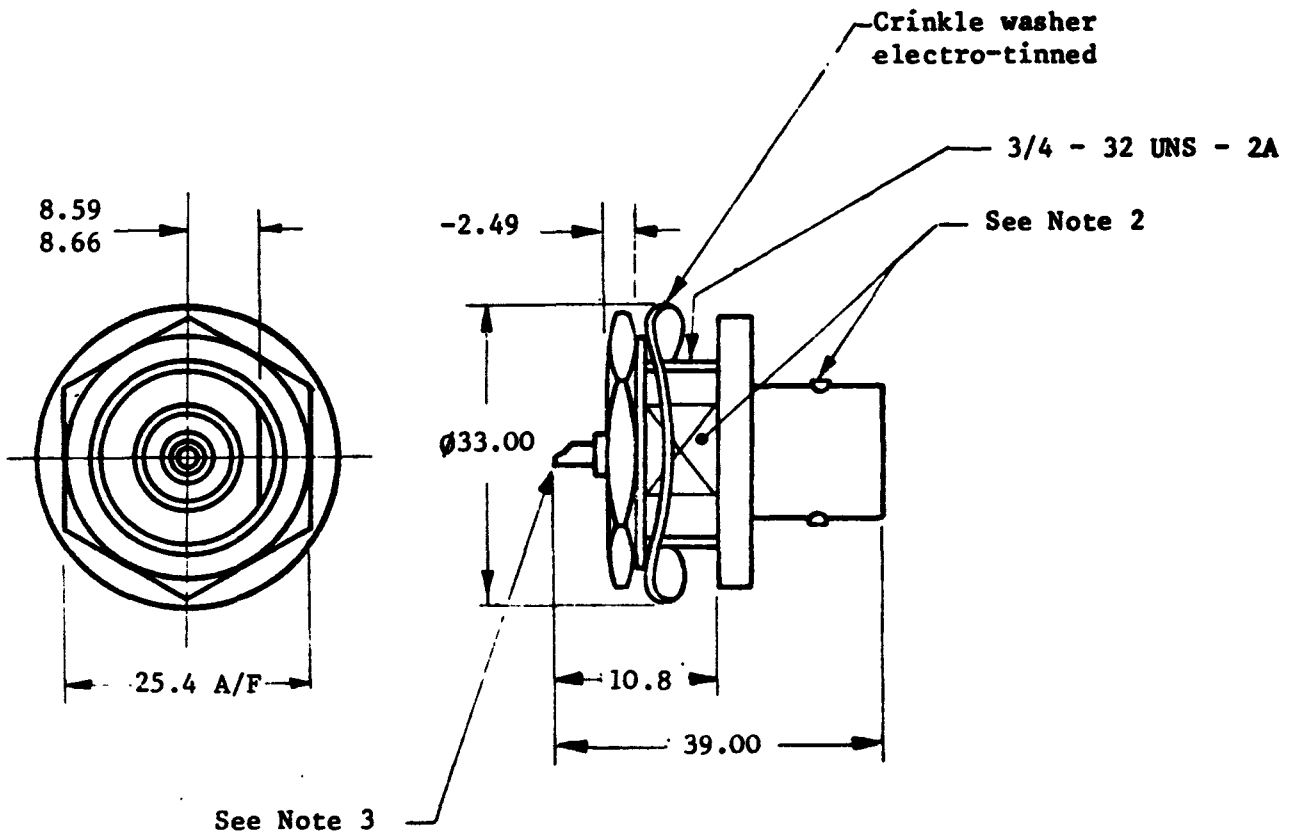
FIG 1 STYLE 01-03



Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .
- 3 Solder bucket for Ø2.29 maximum conductor. Orientation of solder bucket optional.
- 4 Thread flat to extend to within 0.05 of flange.

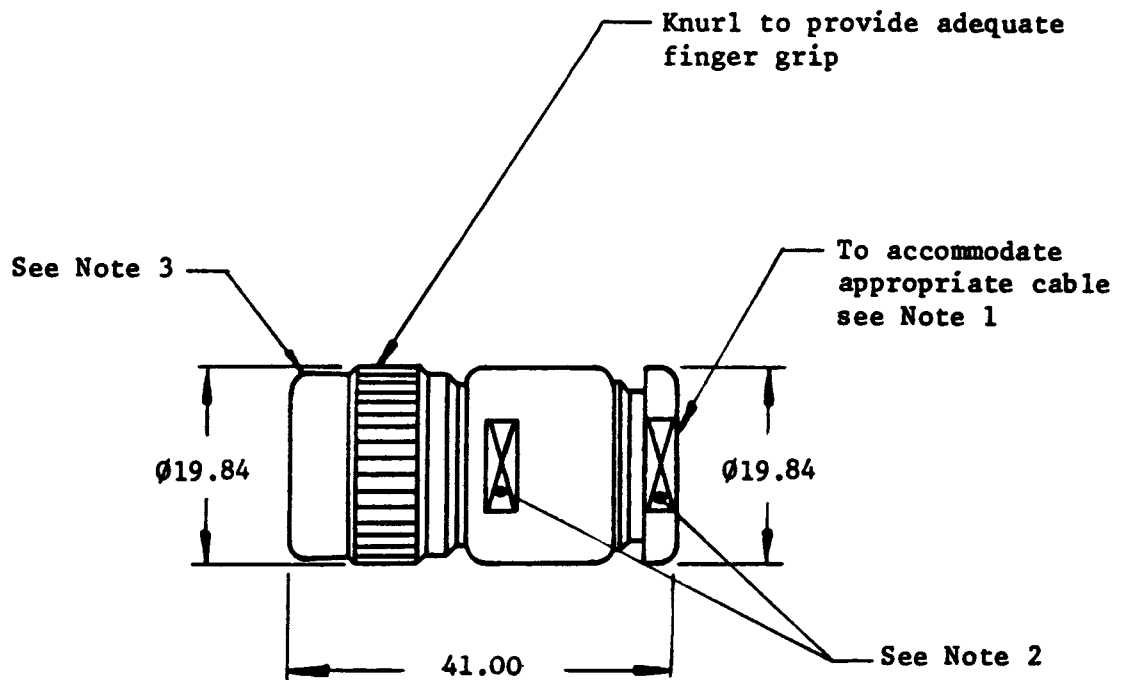
FIG 2 STYLE 05-03  
 (rear panel mounted)



#### Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet stud to be as shown within  $\pm 3^\circ$ .
- 3 Solder bucket for  $\varnothing 2.29$  maximum conductor. Orientation of solder bucket optional.
- 4 Thread flat to extend to within 0.05 of flange.

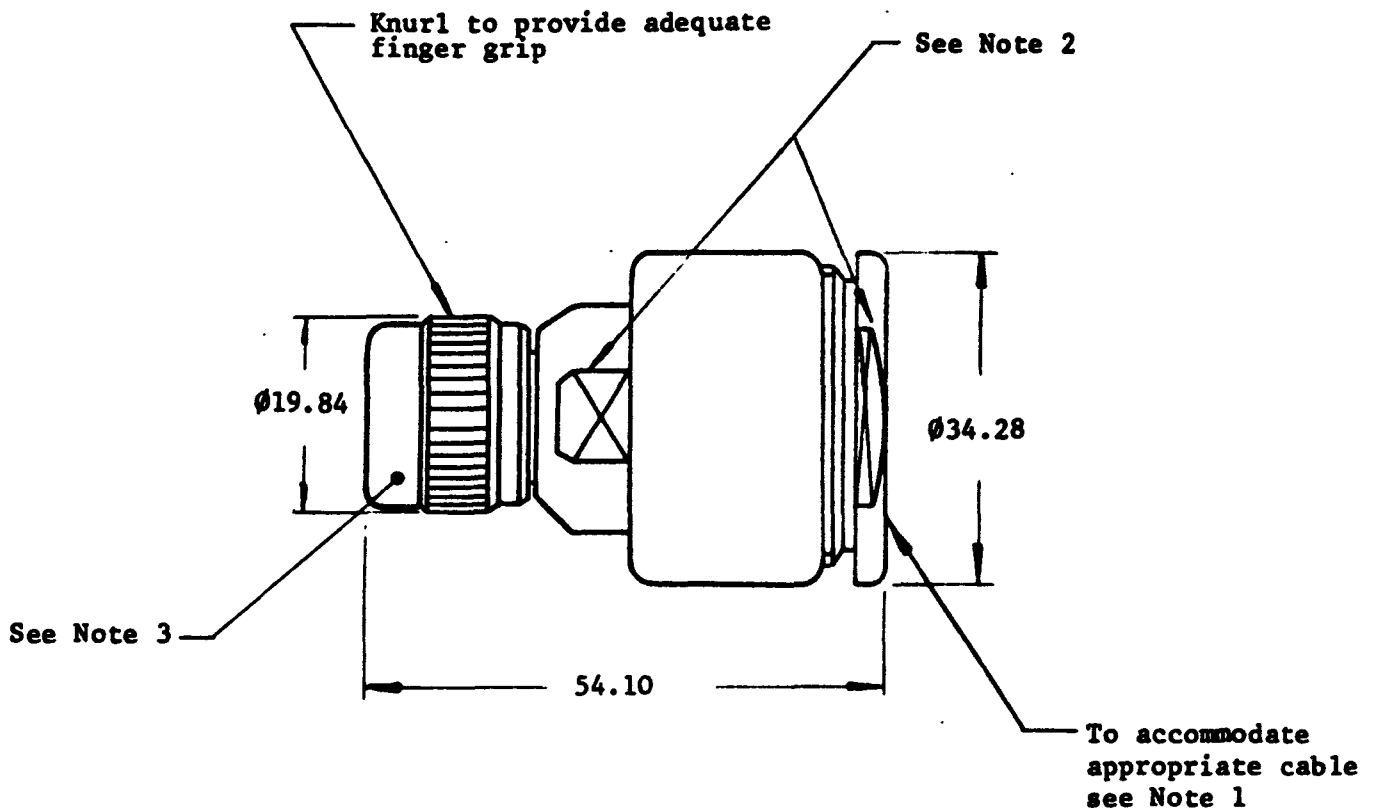
FIG 3 STYLE 05-03  
(front panel mounted)



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Coupling sleeve shall be free to rotate.

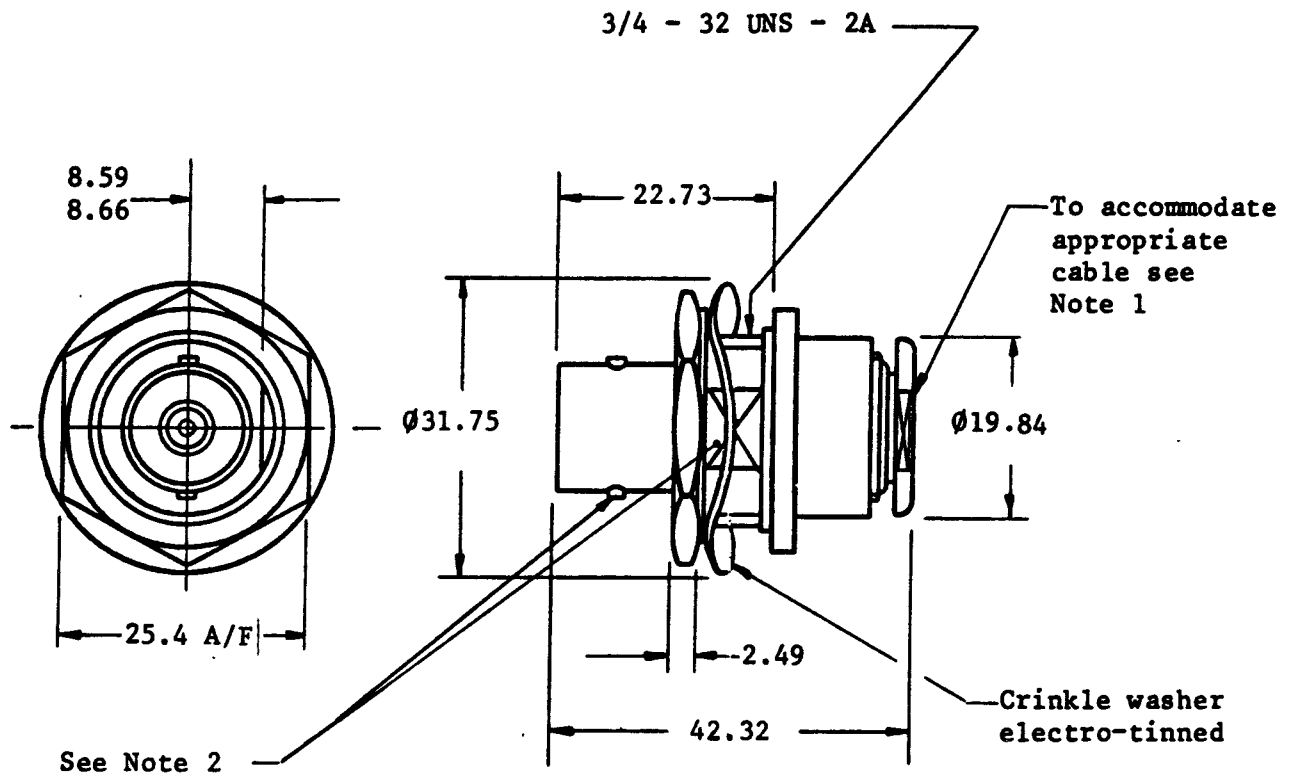
FIG 4 STYLE 06-02



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Coupling sleeve shall be free to rotate.

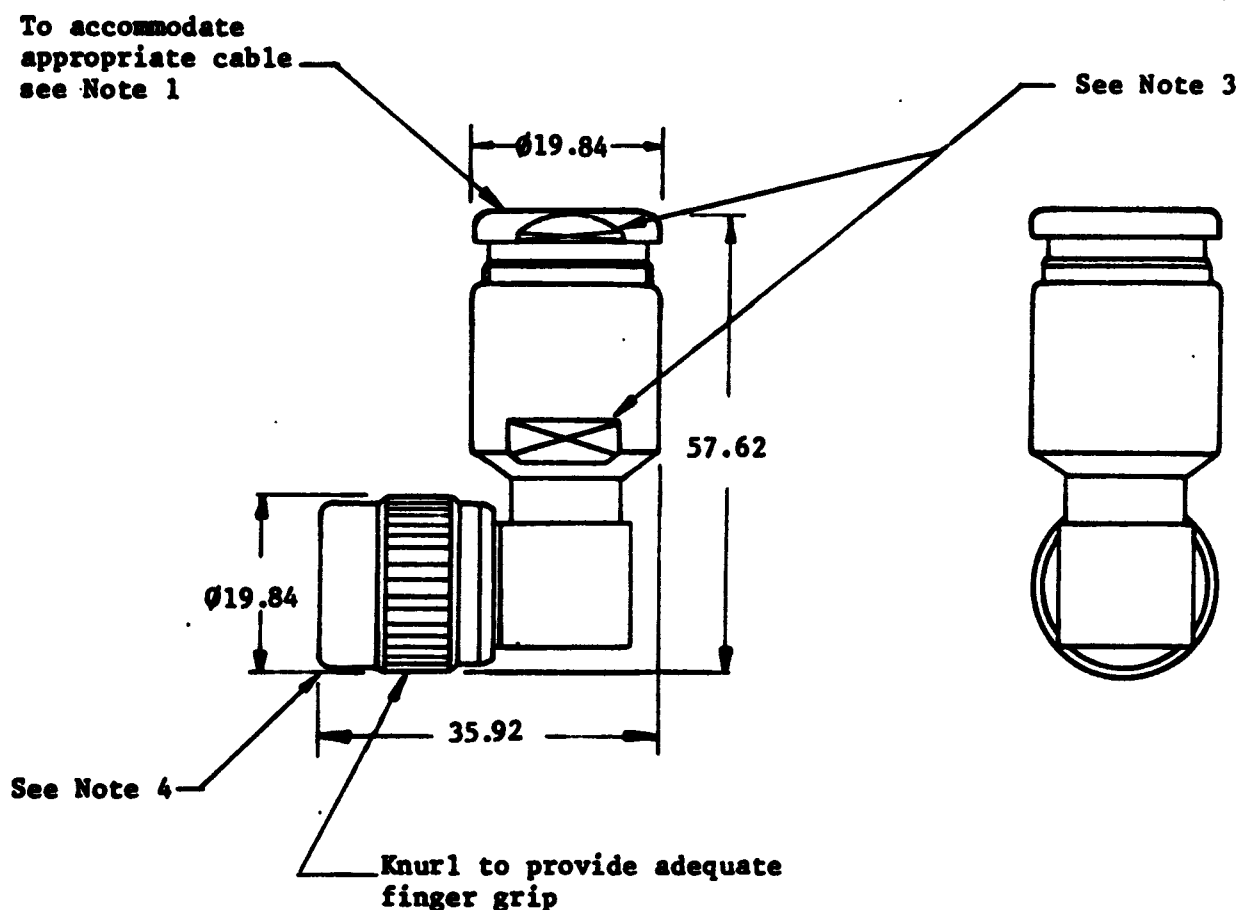
FIG 5 STYLE 06-02  
(large cable outlet)



#### Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .
- 3 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 4 Thread flat to extend to within 0.05 of flange.

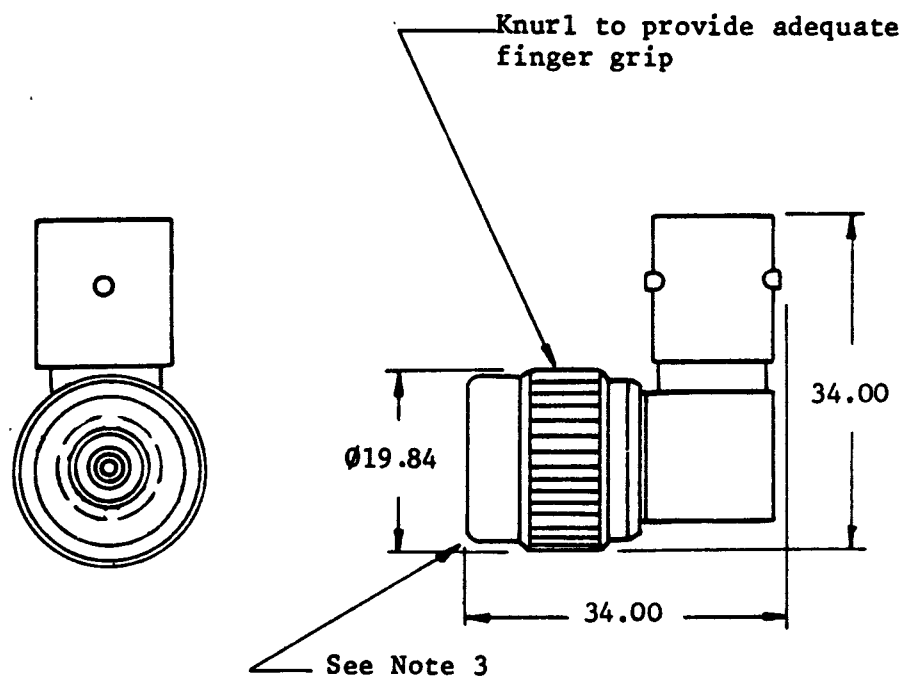
FIG 6 STYLE 07-03



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Contours optional within the dimensional envelope.
- 3 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 4 Coupling sleeve shall be free to rotate.

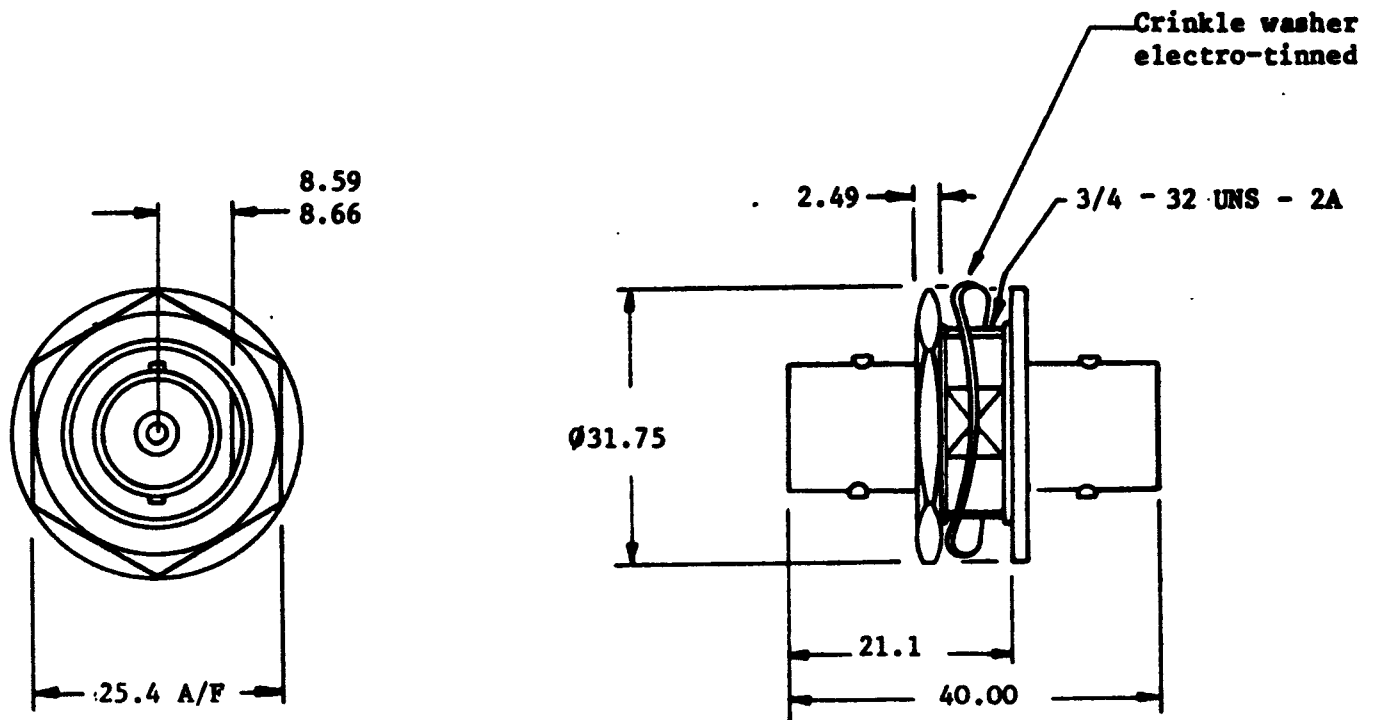
FIG 7 STYLE 08-02



Notes

- 1 Body to accommodate captive contact.
- 2 Contours optional within the dimensional envelope.
- 3 Coupling sleeve shall be free to rotate.

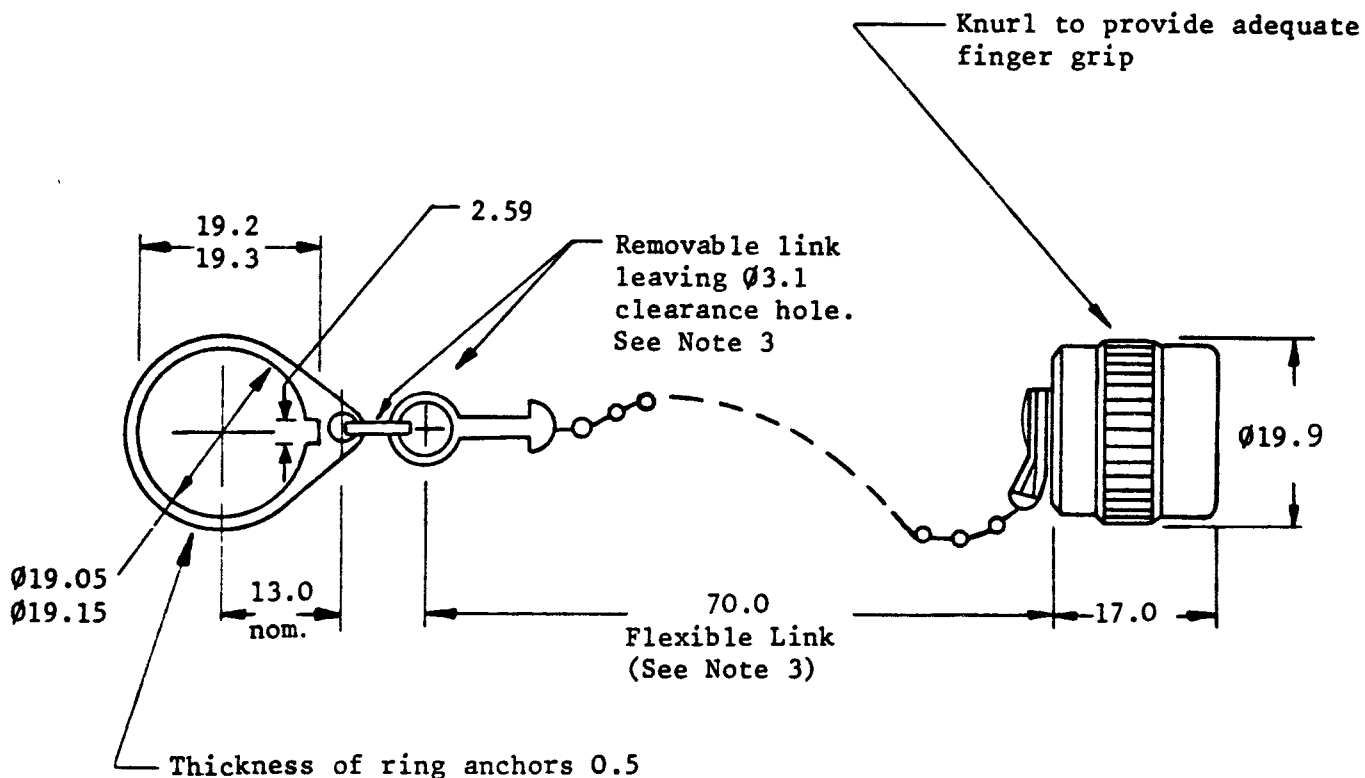
FIG 8 STYLE 16-08



Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .

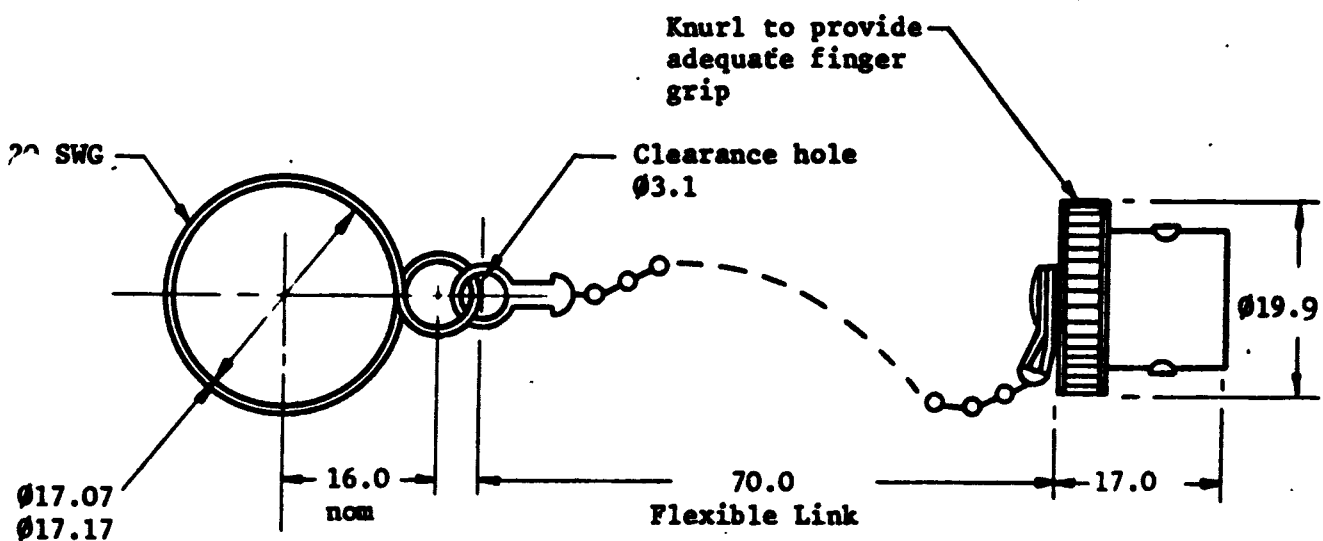
FIG 9 STYLE 18-05



#### Notes

- 1 Body to accommodate barrier seal: effective when mated with appropriate connector.
- 2 The ring anchor to be semi-captive when fitting over studs of mating connector.
- 3 A removable device between the ring anchor and eyelet provides an alternative fixing arrangement whereby the ring may be removed and the eyelet used for fixing.
- 4 Flexible link assembly to withstand a force of 250 N.

FIG 10 STYLE 96-12



**Notes**

- 1 The ring anchor clip to be semi-captive when fitted over knurled portion of mating connector.
- 2 The ring anchor clip may be removed and the eyelet used as an alternative means of fixing.
- 3 Flexible link assembly to withstand a force of 250 N.

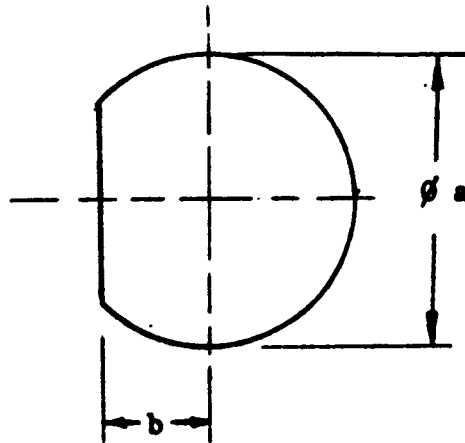
**FIG 11 STYLE 97-12**

ANNEX B

RECOMMENDED PIERCINGS FOR METAL PANELS  
AND OVERLAP DIMENSIONS

- B1. In the following outline drawings, the dimensions which are in millimetres are derived from the original inch dimensions.
- B2. The metal panel thickness shall be 3.96 in maximum.
- B3. The overlap of connectors in the mated condition is  $O_m$  where  
 $O_m = 10.42$  (See BS 9210 Appendix K)

**ANNEX B**  
**RECOMMENDED PANEL CUT-OUT INFORMATION**



| STYLE<br>REFERENCE<br>NUMBER | DIMENSIONS<br>(mm) |                |         |         | PANEL THICKNESS<br>(mm) |
|------------------------------|--------------------|----------------|---------|---------|-------------------------|
|                              | ø a                |                | b       |         |                         |
|                              | Minimum            | Maximum        | Minimum | Maximum | Maximum                 |
| 05-03<br>07-03<br>18-05      | )<br>)<br>)<br>)   | 19.30<br>19.43 | 8.66    | 8.74    | 3.96                    |

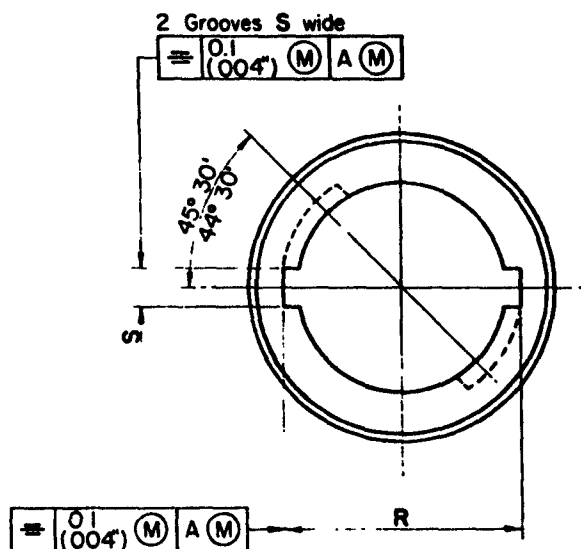
ANNEX C

CONTROL DRAWINGS

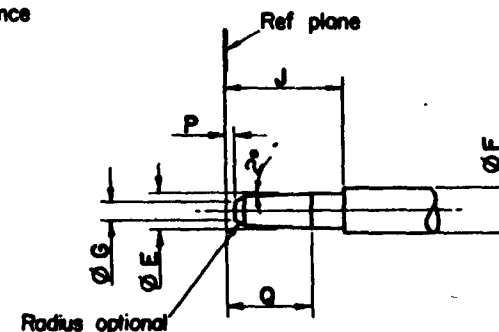
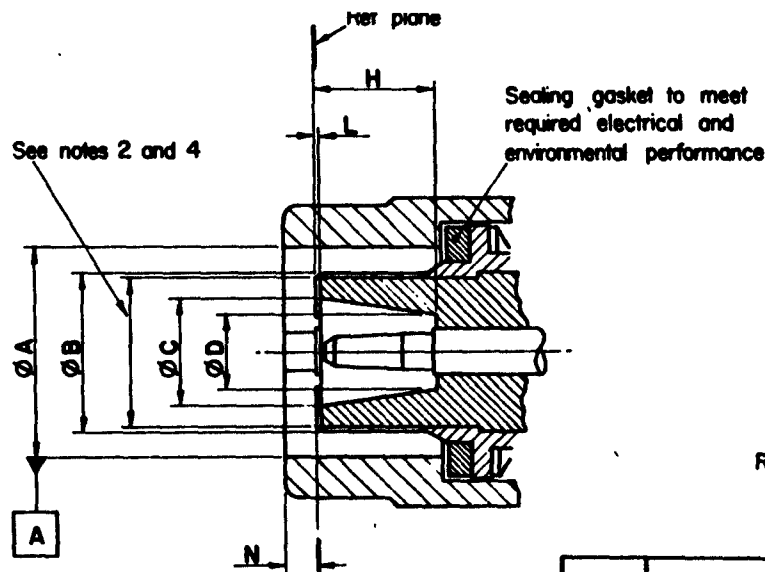
Mating face details and gauge information

In the following drawings Figs 1 to 5

- (a) The dimensions which are in millimeters are derived from the original inch dimensions.
- (b) Third angle projection is used where projected views are shown.
- (c) For explanation of dimensioning etc see BS 308.



Details of coupling sleeve



Details of centre contact

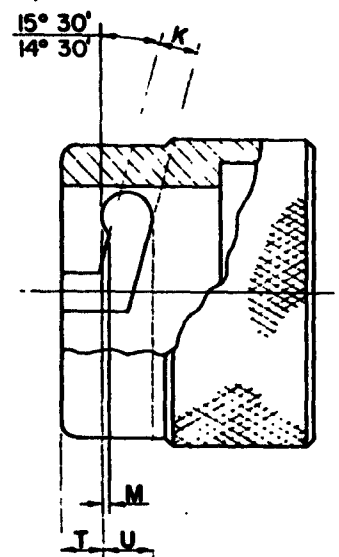
Note 1 Coupling sleeve shall be free to rotate.

Note 2 Diameters A,B,C,D and E shall be gauged to ensure that on MMC each feature is on or can take up a common axis

Note 3 Diameter B is after slotting and flaring to meet performance requirements.

Note 4 The internal diameter of the outer contact shall be 9.58mm (.377") minimum when the contact is closed to an external diameter of 10.44 mm (.411")

Note 5 For gauge information see Fig. 3 and Fig. 5

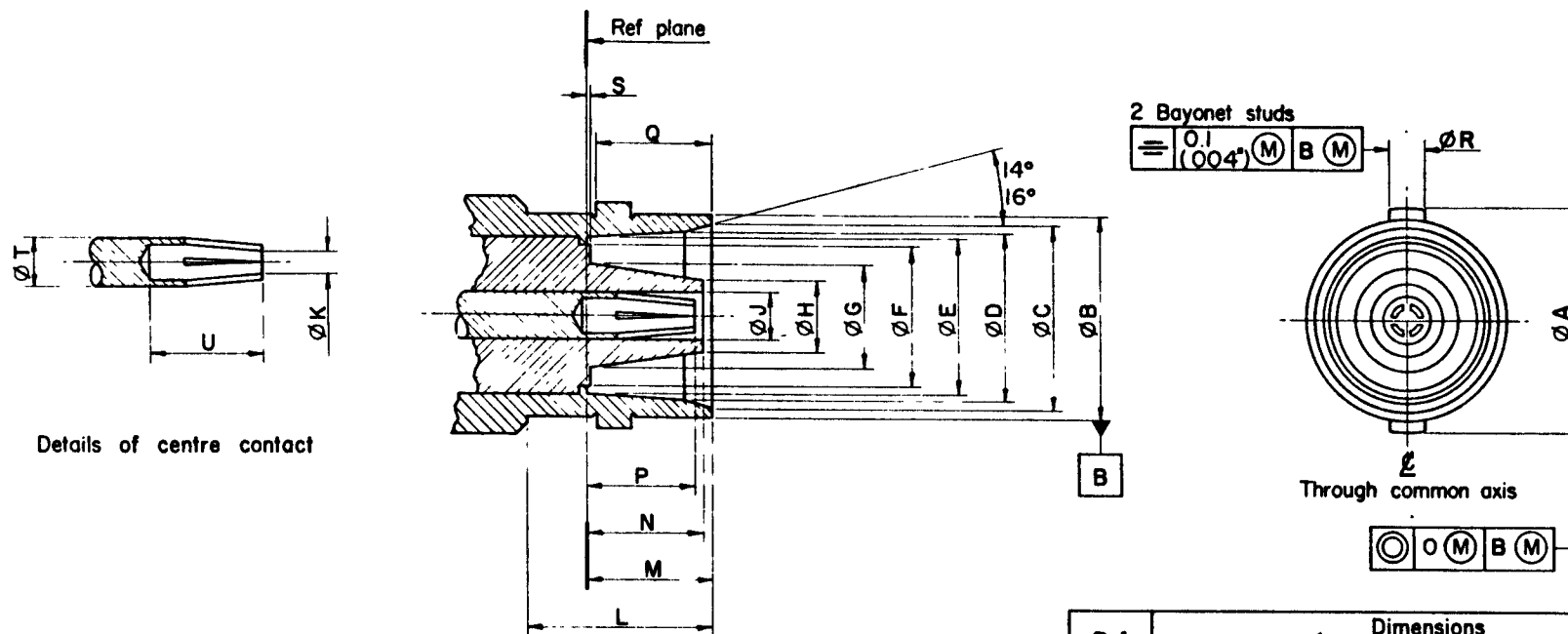


See note 2  
See notes 2 and 4

See note 2

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 13.79       |         | 13.94   | .543    |         | .549    |
| Ø B        |             | 10.49   |         |         | .413    |         |
| Ø C        | 7.01        |         |         | .276    |         |         |
| Ø D        | 4.93        |         |         | .194    |         |         |
| Ø E        | 2.29        |         | 2.34    | .090    |         | .092    |
| Ø F        | 3.02        |         | 3.15    | .119    |         | .124    |
| Ø G        | 1.09        |         | 1.27    | .043    |         | .050    |
| H          | 7.85        |         |         | .309    |         |         |
| J          | 7.85        |         |         | .309    |         |         |
| K          | 2.64        |         | 2.90    | .104    |         | .114    |
| L          | 0.18        |         |         | .007    |         |         |
| M          | 0.25        |         | 0.41    | .010    |         | .016    |
| N          |             |         | 2.16    |         |         | .085    |
| P          | 0.08        |         |         | .003    |         |         |
| Q          | 4.85        |         | 6.38    | .191    |         | .251    |
| R          | 15.54       |         | 15.80   | .612    |         | .622    |
| S          | 2.64        |         | 2.90    | .104    |         | .114    |
| T          | 2.62        |         | 2.87    | .103    |         | .113    |
| U          | 3.33        |         | 3.58    | .131    |         | .141    |

Fig. 1 Mating face details - Male centre contact (XX-02 Styles)



Details of centre contact

Note 1 Diameters B,C,D,E,F,G,H,J and K shall be gauged to ensure that on MMC each feature is on or can take up a common axis

Note 2 Diameter K and closure shall meet performance requirements, number of slots optional

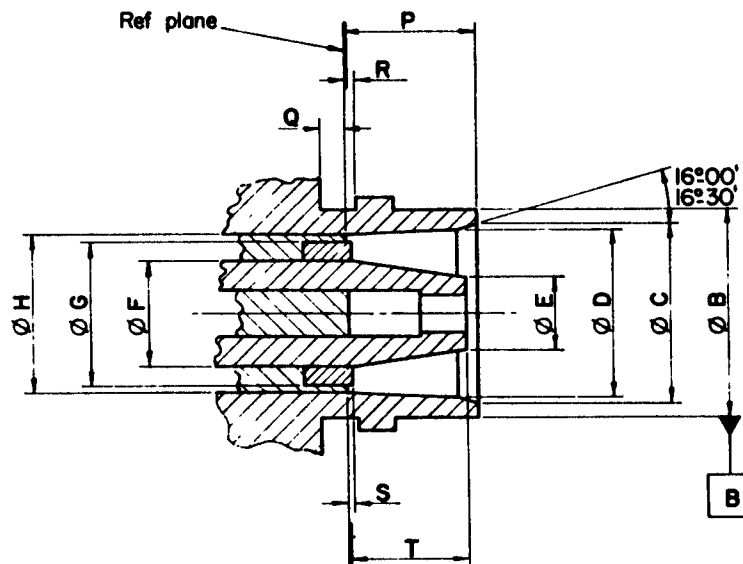
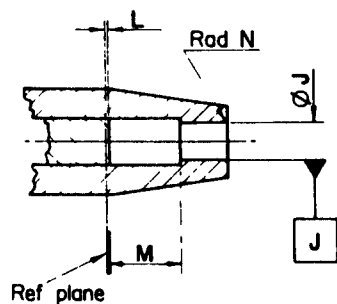
Note 3 For gauge information see Fig 4 and Fig 5

A concave depression (nominal)  
2.54 (10") wide x 0.13 (0.005")  
deep between studs is permitted

See note 1

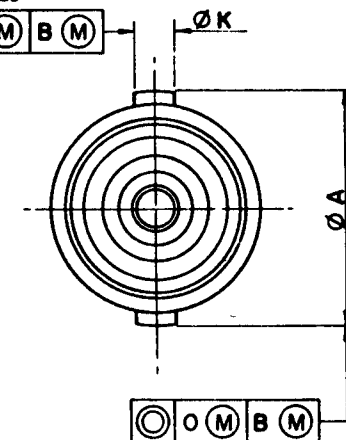
See notes 1 and 2

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| $\phi A$   | 14.99       |         | 15.24   | 590     |         | 600     |
| $\phi B$   | 13.46       |         | 13.72   | 530     |         | 540     |
| $\phi C$   | 12.32       |         | 12.57   | 485     |         | 495     |
| $\phi D$   | 11.18       |         | 11.43   | 440     |         | 450     |
| $\phi E$   | 10.44       |         | 10.54   | 411     |         | 415     |
| $\phi F$   |             |         | 9.50    |         |         | 374     |
| $\phi G$   |             |         | 6.91    |         |         | 272     |
| $\phi H$   |             |         | 4.83    |         |         | 190     |
| $\phi J$   | 3.02        |         | 3.15    | 119     |         | 124     |
| $\phi K$   |             |         |         |         |         |         |
| L          | 12.57       |         |         | 495     |         |         |
| M          | 8.43        |         | 8.59    | 332     |         | 338     |
| N          |             |         | 7.85    |         |         | 309     |
| P          | 6.93        |         | 7.70    | 273     |         | 303     |
| Q          | 7.80        |         | 7.95    | 307     |         | 313     |
| $\phi R$   | 2.24        |         | 2.39    | 088     |         | 094     |
| S          |             |         | 0.18    |         |         | 007     |
| $\phi T$   |             | 3.05    |         |         | 120     |         |
| U          | 7.62        |         |         | 300     |         |         |

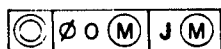


2 Bayonet studs

$\equiv \begin{array}{|c|c|c|} \hline 0.013 \\ \hline (0.005) \\ \hline \end{array} \begin{array}{|c|} \hline \text{M} \\ \hline \end{array} \begin{array}{|c|} \hline \text{B} \\ \hline \end{array} \begin{array}{|c|} \hline \text{M} \\ \hline \end{array}$



Note 1 Diameters B,C,D,E,F,G and H



Note 2 Gauging surfaces to be hardened / ground

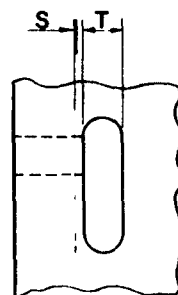
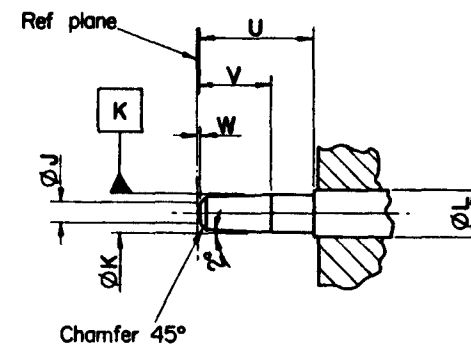
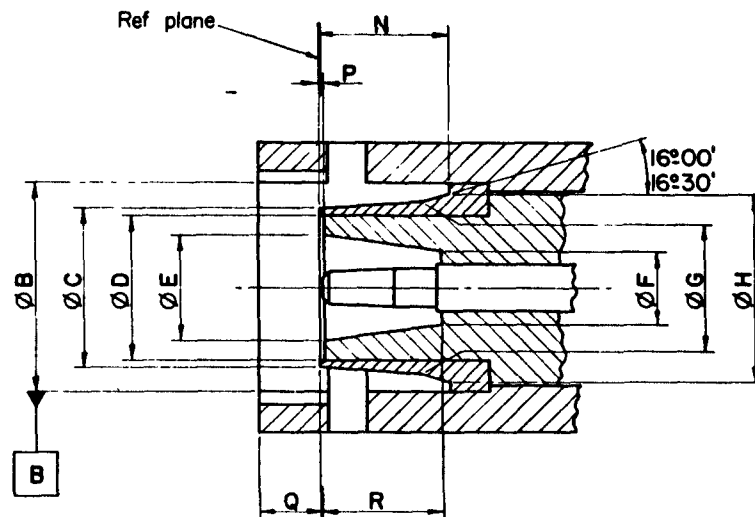
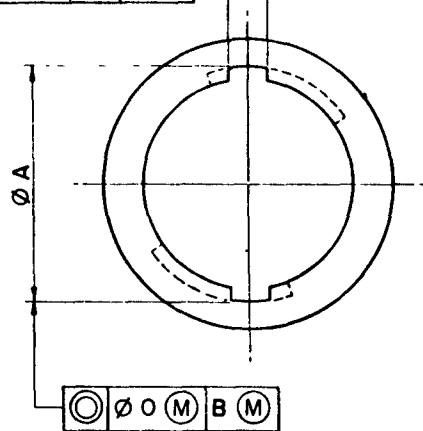
Min 650 HV5 Surface texture  $\sqrt{0.4 \text{ G}}_{(16)}$

See note 1

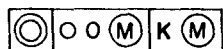
| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 15.42       |         | 15.44   | .607    |         | .608    |
| Ø B        | 13.780      |         | 13.792  | .5425   |         | .5430   |
| Ø C        | 12.29       |         | 12.32   | .484    |         | .485    |
| Ø D        | 11.15       |         | 11.18   | .439    |         | .440    |
| Ø E        | 4.90        |         | 4.93    | .193    |         | .194    |
| Ø F        | 6.99        |         | 7.01    | .275    |         | .276    |
| Ø G        | 9.563       |         | 9.576   | .3765   |         | .3770   |
| Ø H        | 10.434      |         | 10.439  | .4108   |         | .4110   |
| Ø J        | 2.342       |         | 2.350   | .0922   |         | .0925   |
| Ø K        | 2.527       |         | 2.540   | .0995   |         | .1000   |
| L          | 0.05        |         | 0.08    | .002    |         | .003    |
| M          | 4.72        |         | 4.85    | .186    |         | .191    |
| Rad N      | 0.05        |         | 0.13    | .002    |         | .005    |
| P          | 8.59        |         | 8.61    | .338    |         | .339    |
| Q          | 2.16        |         | 2.29    | .085    |         | .090    |
| R          | 0.48        |         | 0.51    | .019    |         | .020    |
| S          | 0.178       |         | 0.191   | .0070   |         | .0075   |
| T          | 7.85        |         | 7.87    | .309    |         | .310    |

Fig. 3 Compatibility gauge information to inspect mating face of connectors with Male centre contact (XX-02 Styles)

2 Grooves M wide  
0.013  
(0005\*) (M) B (M)



Note 1 Diameters B,C,D,E,F,G,H and J



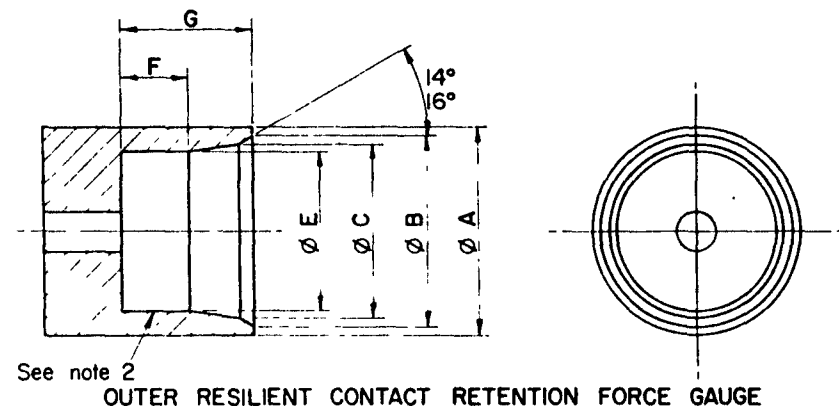
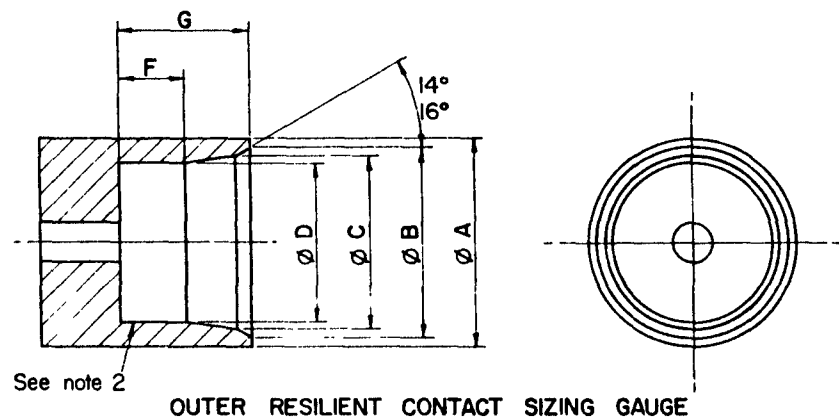
Note 2 Gauging surfaces to be hardened/ground

Min 650 HV5 Surface texture 0.4 G  
(16)

See note 1

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 15.34       |         | 15.37   | 604     |         | 605     |
| Ø B        | 13.716      |         | 13.729  | 5400    |         | 5405    |
| Ø C        | 10.439      |         | 10.452  | 4110    |         | 4115    |
| Ø D        | 9.500       |         | 9.512   | 3740    |         | 3745    |
| Ø E        | 6.909       |         | 6.922   | 2720    |         | 2725    |
| Ø F        | 4.83        |         | 4.85    | 190     |         | 191     |
| Ø G        | 11.18       |         | 11.20   | 440     |         | 441     |
| Ø H        | 12.32       |         | 12.34   | 485     |         | 486     |
| Ø J        | 1.24        |         | 1.27    | 049     |         | 050     |
| Ø K        | 2.332       |         | 2.337   | 0918    |         | 0920    |
| Ø L        | 3.137       |         | 3.150   | 1235    |         | 1240    |
| M          | 2.477       |         | 2.489   | 0975    |         | 0980    |
| N          | 8.585       |         | 8.598   | 3380    |         | 3385    |
| P          | 0.178       |         | 0.191   | 0070    |         | 0075    |
| Q          | 3.86        |         | 3.99    | 152     |         | 157     |
| R          | 7.82        |         | 7.85    | 308     |         | 309     |
| S          | 0.46        |         | 0.48    | 018     |         | 019     |
| T          | 2.62        |         | 2.64    | 103     |         | 104     |
| U          | 7.82        |         | 7.85    | 308     |         | 309     |
| V          | 4.83        |         | 4.85    | 190     |         | 191     |
| W          | 0.05        |         | 0.08    | 002     |         | 003     |

Fig. 4 Compatibility gauge information to inspect mating face of connectors with Female centre contact (XX-03 Styles)

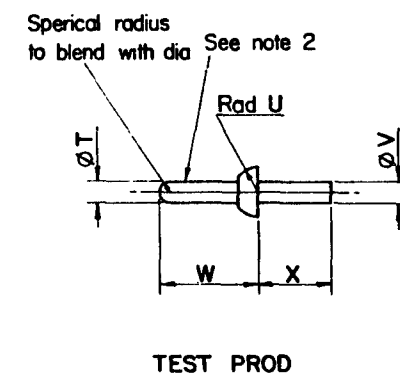
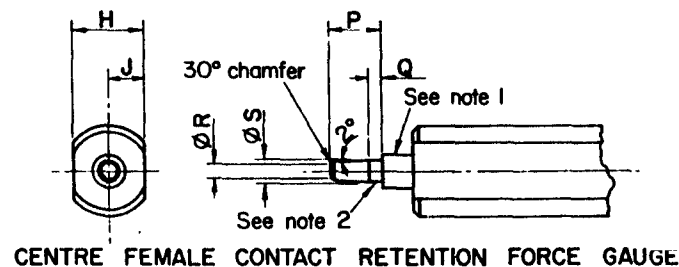
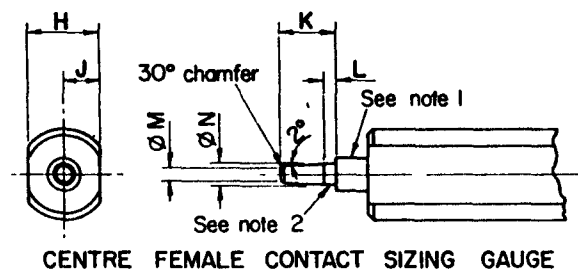


Note 1 Shank diameter and length to be such as to permit unrestricted access of gauge

Note 2 Gauging surfaces to be hardened / ground

Min 650 HV5 Surface texture  $\sqrt{0.2 \text{ (8) G}}$

Note 3 Mass of contact retention force gauges -  
Outer contact - 5 kg  $\pm$  10g Centre contact - 150g  $\pm$  1g



| Ref<br>Letter | Dimensions  |         |         |         |         |         |
|---------------|-------------|---------|---------|---------|---------|---------|
|               | Millimetres |         |         | Inches  |         |         |
|               | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A           | 13.49       |         | 13.69   | .531    |         | .539    |
| Ø B           | 12.32       |         | 12.57   | .485    |         | .495    |
| Ø C           | 11.18       |         | 11.43   | .440    |         | .450    |
| Ø D           | 10.434      |         | 10.439  | .4108   |         | .4110   |
| Ø E           | 10.536      |         | 10.541  | .4148   |         | .4150   |
| F             |             | 4.32    |         |         | .170    |         |
| G             | 8.43        |         | 8.58    | .332    |         | .338    |
| H             |             | 9.53    |         |         | .375    |         |
| J             |             | 4.75    |         |         | .187    |         |
| K             | 7.77        |         | 7.82    | .306    |         | .308    |
| L             | 3.00        |         | 3.02    | .118    |         | .119    |
| Ø M           | 1.22        |         | 1.27    | .048    |         | .050    |
| Ø N           | 2.337       |         | 2.342   | .0920   |         | .0922   |
| P             | 6.78        |         | 6.83    | .267    |         | .269    |
| Q             | 1.45        |         | 1.47    | .057    |         | .058    |
| Ø R           | 1.09        |         | 1.14    | .043    |         | .045    |
| Ø S           | 2.286       |         | 2.291   | .0900   |         | .0902   |
| Ø T           | 2.286       |         | 2.291   | .0900   |         | .0902   |
| Rad U         |             | 3.18    |         |         | .125    |         |
| Ø V           | 2.350       |         | 2.362   | .0925   |         | .0930   |
| W             | 12.70       |         | 12.75   | .500    |         | .502    |
| X             | 9.27        |         | 9.40    | .365    |         | .370    |

Fig. 5 Sizing, retention gauges and test prod for type C connectors - Resilient contacts.

OBSOLESCE

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**Ministry of Defence**

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**Defence Standard**

**59 - 35 (PART 4)**

**SECTION 6 / Issue 1**

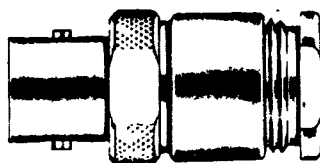
**20 May 1976**

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**PLUGS AND SOCKETS, ELECTRICAL**

**PART 4: RADIO FREQUENCY  
COAXIAL CONNECTORS**

**SECTION 6:  
DETAIL SPECIFICATION  
SERIES C**



OBSOLESCE

THIS DEFENCE STANDARD WILL NOT BE UPDATED AND IS  
NOT TO BE USED FOR THE PURCHASE OF NEW EQUIPMENT

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PLUGS AND SOCKETS, ELECTRICAL

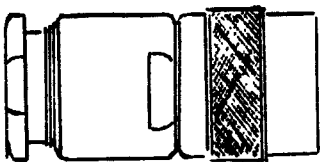
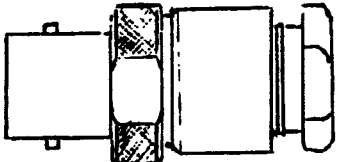
PART 4 : RADIO FREQUENCY COAXIAL CONNECTORS

SECTION 6: DETAIL SPECIFICATION - SERIES C

This Section of DEF STAN 59-35(PART 4) Supersedes  
Defence Specification DEF 5322-A-1 dated April 1968

1. This Section of this Defence Standard contains the detail specification for radio frequency coaxial connectors, series C, prepared in accordance with DEF STAN 59-35(PART 4).
2. This Section of the Standard has been prepared because there is no suitable national or any other standard acceptable to the Ministry of Defence available.
3. Table I(A) lists the standard range of connectors, radio frequency, series C, and Table I(B) lists the standard range of covers, electrical, for use with the Table I(A) items. These items are to be used in all future designs of equipment and, wherever practicable, for the maintenance of existing equipment. There are no Tables II or III.
4. The items specified herein are intermateable with the appropriate styles of Pattern 14 connectors that were specified by DEF 5322-A-1. The main difference between this specification and the superseded DEF 5322-A-1 is that bump and shock tests are not required to be undertaken at the upper and lower extremes of temperature by this specification.
5. Before selecting any item in this Section of the Standard reference should be made to DEF STAN 59-35(PART 4), clause 4, and to DEF STAN 59-59 'Services qualified products list of electronic components' together with the subsequent amendments, to ascertain that a Qualification Approval certificate is extant for the items concerned.
6. For ordering and packaging information, reference should be made to DEF STAN 59-35(PART 4), clause 9.
7. This detail specification together with DEF STAN 59-35(PART 4) contain all necessary technical information, and they are the definitive specifications for these items and must be invoked for all tender and contract purposes.
8. This Section of the Standard has been agreed by all authorities concerned who are to implement it from its date of issue.
9. If this Section of the Standard should be found unsuitable for a particular requirement, the Director of Standardization shall be informed of the circumstances. Any enquiries regarding this Section of the Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Quality Assurance Authority named in that invitation to tender or contract.

DETAIL SPECIFICATION  
RADIO FREQUENCY COAXIAL CONNECTORS  
SERIES C

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Qualification Approval Authority:</b><br>Admiralty Surface Weapons Establishment, MOD (PE)<br>Portsmouth, Gosport, Portsmouth PO6 4AA, England.                                                                                                                                                                                                                                                                                                                                                                                     |  | Issue No 1                                                                                                                                                      |
| ELECTRONIC PARTS OF ASSESSED QUALITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                 |
| <b>Typical Outlines</b><br><br><div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <br/>           Style 06-02         </div> <div style="text-align: center;"> <br/>           Style 01-03         </div> </div> <p style="text-align: center;">For other styles and dimensions<br/>see Annex A</p> |  | RADIO FREQUENCY<br>COAXIAL CONNECTOR<br><br>FULL ASSESSMENT<br>LEVEL<br><br>SERIES C<br>SEALED, SOLDERED,<br>CAPTIVE CONTACT,<br>50 Ω<br><br>BAYONET<br>COUPLED |

**1. PHYSICAL CHARACTERISTICS**

**1.1**

| STYLE<br>REFERENCE<br>No | DESCRIPTION                                                                   | MASS<br>(g)<br>MAX. |
|--------------------------|-------------------------------------------------------------------------------|---------------------|
| 01-03                    | Connector coupler, free straight                                              | 45                  |
| 05-03                    | Connector fixed, single hole mounting, solder bucket (front of panel mounted) | 48                  |
| 05-03                    | Connector fixed, single hole mounting, solder bucket (rear of panel mounted)  | 48                  |
| 06-02                    | Connector free, straight                                                      | 55                  |
| 06-02                    | Connector free, straight large cable outlet                                   | 140                 |
| 07-03                    | Connector fixed, straight, single hole mounting, cable outlet.                | 60                  |

| CONNECTOR<br>VARIANT | CABLES<br>(URM NUMBER) |
|----------------------|------------------------|
|----------------------|------------------------|

Matched

|      |          |
|------|----------|
| AO   | 102, 107 |
| AQ   | 67, 304  |
| AR   | 91, 112  |
| AY / | 74       |

Unmatched

|      |                |
|------|----------------|
| BR   | 113, 105       |
| BT   | 57, 65, 303    |
| BV   | 60             |
| BX / | 77             |
| ZZ   | Equipment wire |

/ Large cable outlets only

1.1 (contd)

| STYLE<br>REFERENCE<br>No | DESCRIPTION                                                              | MASS<br>(g)<br>MAX. |
|--------------------------|--------------------------------------------------------------------------|---------------------|
| 08-02                    | Connector free, right angle                                              | 75                  |
| 16-08                    | Adaptor connector free,<br>right angle                                   | 50                  |
| 18-05                    | Adaptor connector fixed,<br>straight, single hole mounting               | 55                  |
| 98-12                    | Cover, protective, for<br>connector fixed and connector<br>coupler, free | 20                  |
| 99-12                    | Cover, protective, for<br>connector free                                 | 20                  |

1.2 Body finish. Silver (Ag)

1.3 Centre contact finish. Silver (Ag)

2. RATINGS (INCLUDING LIMITING CONDITIONS OF USE) AND CHARACTERISTICS

Nominal characteristic impedance 50  $\Omega$

|                                                                 | MATCHED VARIANTS |              | UNMATCHED<br>VARIANTS |
|-----------------------------------------------------------------|------------------|--------------|-----------------------|
|                                                                 | Up to 3 GHz      | Up to 10 GHz | Not<br>Measured       |
| Reflection coefficient (and VSWR) max.                          |                  |              |                       |
| (1) Straight cable outlet styles                                | 0.10 (1.20)      | 0.13 (1.30)  |                       |
| (2) Right angle style and adaptors,<br>straight and right angle | 0.13 (1.30)      | 0.20 (1.50)  |                       |
| (3) Solder bucket styles                                        | Not measured     |              |                       |

Capacitance (max). (solder bucket styles only) 5 pF

R.F. Shunt Resistance (min.) (solder bucket styles only). 2 M  $\Omega$  at 30 MHz

Working voltage (d.c. or a.c. peak)

INNER CONDUCTOR TO SHELL

(a) At sea level 1000 V

(b) At altitude of 20 km (44 mbar) 400 V

Proof voltage (d.c. or a.c. peak)

(a) At sea level 3 kV

(b) At altitude of 20 km (44 mbar) 1.2 kV

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SECTION 6/1

Current rating max

8 A d.c.

Power rating /

| Before conditioning | After conditioning |
|---------------------|--------------------|
| 2 m $\Omega$        | 10 m $\Omega$      |
| 2 m $\Omega$        | 5 m $\Omega$       |
| 5 G $\Omega$        | 1 G $\Omega$       |

Contact resistance max.

Outer conductor continuity max.

Insulation resistance min.

Engagement and separation torque

450 mNm max. 70 mNm min.

Vibration severity

Frequency range

Displacement

Acceleration

Duration

10 Hz to 500 Hz

0.75 mm ) Cross over at

98 m/s<sup>2</sup> ) approximately 60 Hz  
six hours

Shock severity

490 m/s<sup>2</sup> for 11 ms

Bump severity

4000 at 390 m/s<sup>2</sup>

Climatic category

55/155/56

Resistance to test prod damage

Applicable

3. RELATED DOCUMENTS

These are listed in DEF STAN 59-35 (PART 4).

4. ADDITIONAL INFORMATION (NOT USED FOR INSPECTION PURPOSES)

For panel cut-out information see Annex B.

5. MARKING OF THE CONNECTORS AND PACKAGES

Marking shall be in accordance with DEF STAN 59-35(PART 4), clause 7a.

6. ASSEMBLY AND CABLE MOUNTING INSTRUCTIONS

Assembly and cable mounting instructions shall be included in the primary package.

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/ As power is dependent on frequency and cable type, for information on power rating refer to the manufacturer.

7. ORDERING INFORMATION

7.1 In accordance with DEF STAN 59-35(PART 4), clauses 8 b (2), orders for connectors covered by this specification shall contain the following information:-

- (1) Description ie Radio frequency coaxial connector, series C, Style and variant (as in 1.1)
- (2) NATO Stock Number
- (3) Manufacturer's type number
- (4) DEF STAN 59-35 (PART 4) Section 6/1
- (5) Packaging instructions

7.2 The NATO Stock numbers in this Section of the Standard may have been issued in advance of the certificate of Qualification Approval. The numbers shall not be used until the relevant certificates have been issued. The issue of a Qualification Approval certificate is indicated by the inclusion of the item in DEF STAN 59-59 'Services qualified products list of electronic components.'

8. ILLUSTRATIONS AND DRAWINGS

8.1 The essential purpose of the illustrations and drawings which form part of this specification is to ensure mechanical interchangeability. It is essential that equipment designers work to the limits stated and not to the dimensions of individual specimens.

8.2 H.M. Government Drawings referred to are now associated with this section of the Standard and therefore, they must not be altered in any way which will affect function, material, or interchangeability unless the section of the Standard itself is amended. Holders of master drawings must endorse them accordingly.

9. QUALIFICATION APPROVAL

The conditions of BS 9210 clause 1.1.7 and DEF-5001-C shall apply.

9.1 Provision of samples.

The manufacturers shall submit specimens in accordance with Schedule 1 of this specification, to the Qualification Approval Authority stated on page 2. These specimens shall be representative of the standard range for which approval is desired.

9.2 Grouping of specimens.

The specimens shall be grouped as indicated in Schedule 1.

9.3 Test incidence.

Initial measurements referred to this specification as Group 0 shall be carried out immediately prior to the commencement of tests on subsequent groups and the results shall be recorded. Each test shall be applied in the order listed in Schedule 1 and in accordance with the conditions stated in Schedule 2. Where measurements are required the results shall be recorded. Where tests are not applicable this is indicated in Schedule 2.

**SCHEDULE 1**

| GROUP | SCHEDULE 2<br>SUB-GROUPS                                                              | DISTRIBUTION OF SPECIMENS<br>(mated pairs) |                      |
|-------|---------------------------------------------------------------------------------------|--------------------------------------------|----------------------|
|       |                                                                                       | TOTAL PER<br>GROUP                         | TEST<br>DISTRIBUTION |
| 0     | AO, A1, B1, B2, B4, D3(i),<br>D3(ii), plus tests<br>1.2.4.3 and 1.2.4.4 of<br>BS 9210 | 20                                         | 20                   |
| 1     | D3 (iii)                                                                              | 6                                          | 6                    |
| 2     | D3 (iv)                                                                               | 4                                          | 4                    |
| 3     | D3 (v)                                                                                | 2                                          | 2                    |
| 4     | D3 (vi)                                                                               | 2                                          | 2                    |
| 5     | D3 (vii)                                                                              | 1                                          | 1                    |
| 6     | D3 (viii)                                                                             | 1                                          | 1                    |
| 7     | D3 (ix)                                                                               | 2                                          | 2                    |
| 8     | D3 (x)                                                                                | 2                                          | 2                    |

**Note:** In addition, three sets of piece parts for each connector style and variant shall be supplied for test D3 (i).

**10. INSPECTION REQUIREMENTS**

**10.1** The general inspection requirements are fully defined in BS 9210. Schedule 2 of this specification contains additional information on inspection conditions and requirements. Unless otherwise stated in Schedule 2, the provisions of 10.2 through to 10.9 shall apply.

**10.2** Contact resistance and outer conductor continuity for each mated pair shall be measured using the 'light current' method specified in 1.2.4.3.3(1) of BS 9210. When testing the outer conductor continuity of panel mounted styles, where the connector shell is electrically connected to the mounting plate (see 1.2.1.1 of BS 9210), the continuity test shall include a measurement between cable braid(s) and the mounting plate. The initial contact resistances for each mated pair of contacts and any outer conductor path shall not exceed 2 mΩ. Resistances after conditioning shall not exceed 10 mΩ (inner conductor) and 5 mΩ (outer conductor).

**10.3** Insulation resistance between inner conductor and the shell shall be measured at 500V ± 50V d.c.

**10.4** Voltage proof shall be measured at 3 kV ± 0.1 kV d.c. or peak a.c. (40-60 Hz). There shall be no breakdown or flashover.

10.

10.5 The sealing test shall be carried out with a pressure differential of 1000-1100 mbar. Leakage shall not exceed 1 cm<sup>3</sup>/hr.

10.6 Samples submitted to tests which are marked as '(D)' shall not be accepted for release under BS 9000 (see 2.6.5 of BS 9000: Part 1).

10.7 For tests in subgroups C3, C5, D3 (iii) and D3 (v) involving exposure to the upper temperature category, it is essential that cable having a compatible temperature capability shall be used.

10.8 The tests or measurements prescribed in BS 9210 after environmental conditioning are omitted between the environmental conditionings where these form part of a sequence in accordance with 1.2.6 of BS 9210. The appropriate tests are included at the end of each test sequence.

10.9 Due to the nature of accessories referred to in Note 2 at the end of Schedule 2, certain tests are not possible, eg contact resistance tests are not applicable to protective covers such as styles 98-12 and 99-12 either before or after conditioning.

SCHEDULE 2

| INSPECTION                            | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                                                                                                                                                                                        |                                                           | PERFORMANCE<br>REQUIREMENTS |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------|
| GROUP A                               | To be applied on a sampling basis lot-by-lot with the exception of sub-group A0. Subgroups A2, A3 and A4 are not applicable                                                                                                                                              |                                                           |                             |
| Subgroup A0                           | 100% inspection.<br>See Note 2 page 24                                                                                                                                                                                                                                   |                                                           |                             |
| Visual examination                    | 1.2.2(1)                                                                                                                                                                                                                                                                 | Either on assembled components or on contents of packages | As in 1.2.2(1) of BS 9210   |
| Subgroup A1                           | Inspection level S-3<br>AQL 1.5%<br>See Note 2 page 24                                                                                                                                                                                                                   |                                                           |                             |
| Visual examination                    | 1.2.2(2)                                                                                                                                                                                                                                                                 | Either on assembled components or on contents of packages | As in 1.2.2(2) of BS 9210   |
| Subgroup A5                           |                                                                                                                                                                                                                                                                          |                                                           |                             |
| CTR information                       | 1.1.11                                                                                                                                                                                                                                                                   | Attributes information for subgroup A1                    |                             |
| GROUP B                               | To be applied on a sampling basis lot-by-lot. Subgroups B3, B5, B6 and B7 are not applicable. (The specimens used for subgroups B1 and B2 may also be used for subgroup B4). Connectors shall be assembled in accordance with the instructions supplied by manufacturers |                                                           |                             |
| Subgroup B1                           | Inspection level S-3<br>AQL 1%.<br>See Note 2 page 24                                                                                                                                                                                                                    |                                                           |                             |
| Compatibility, mechanical (assurance) | 1.2.5.9(2)                                                                                                                                                                                                                                                               |                                                           | As in 1.2.5.9(2) of BS 9210 |

SCHEDULE 2(CONTINUED)

| INSPECTION                                       | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                                                                                           | PERFORMANCE<br>REQUIREMENTS                          |
|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Subgroup B2 (D)                                  |                                                   | Inspection level S-3<br>AQL 4%                                                                                                                                                                                                                                                                                                                                            |                                                      |
| Soldering                                        | 1.2.6.1                                           | Soldering iron method.<br>Iron size B, bit size<br>3 mm. Inner contact                                                                                                                                                                                                                                                                                                    | There shall be no<br>damage or loosening<br>of parts |
| Insulation<br>resistance                         | 1.2.4.6                                           | As in 10.3 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | $\geq 5 \text{ G}\Omega$                             |
| Voltage proof                                    | 1.2.4.7                                           | As in 10.4 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | As in 10.4 of this<br>specification                  |
| Sealing<br>(excluding panel<br>seal)             | 1.2.6.11                                          | As in 10.5 of this<br>specification                                                                                                                                                                                                                                                                                                                                       | As in 10.5 of this<br>specification                  |
| Subgroup B4 (D)                                  |                                                   | Inspection level S-3<br>AQL 4%                                                                                                                                                                                                                                                                                                                                            |                                                      |
| Engagement and<br>separation                     | 1.2.5.5                                           |                                                                                                                                                                                                                                                                                                                                                                           | As in clause 2 of<br>this specification              |
| Gauge retention<br>force (resilient<br>contacts) | 1.2.5.2                                           | See Annex C of this<br>specification for<br>details of gauges                                                                                                                                                                                                                                                                                                             | As in 1.2.5.2 of<br>BS 9210                          |
| Subgroup B8                                      |                                                   |                                                                                                                                                                                                                                                                                                                                                                           |                                                      |
| CTR information                                  | 1.1.11                                            | Attributes information<br>for subgroups B1, B2<br>and B4                                                                                                                                                                                                                                                                                                                  |                                                      |
| GROUP C                                          |                                                   | Applied at three-<br>monthly intervals<br>except when Group D<br>tests are due. In<br>addition the issue<br>number of the<br>manufacturer's<br>drawing list shall<br>be checked against<br>that in the approval<br>application or<br>certificate.<br>Specimens used for<br>subgroup C1 may also<br>be used for C3 and<br>C5. Subgroups C2<br>and C4 are not<br>applicable |                                                      |

SCHEDULE 2(CONTINUED)

| INSPECTION                                    | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                     | PERFORMANCE<br>REQUIREMENTS                                                    |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Subgroup C1                                   |                                                   | Inspection level S-3<br>AQL 1%.<br>See Note 2 page 24                                                                                                                               |                                                                                |
| Outline dimensions<br>and mass                | 1.2.3.1                                           |                                                                                                                                                                                     | As in 1.1 and<br>Annex A of this<br>specification                              |
| Subgroup C3 (D)                               |                                                   | Inspection level S-3<br>AQL 4%.<br>10.7, 10.8 Notes 1 and<br>2 of this<br>specification apply<br>to tests in this sub-<br>group. Connectors<br>shall be assembled as<br>for Group B |                                                                                |
| Test prod damage<br>(female contacts<br>only) | 1.2.5.7                                           | Moment 110 mNm.<br>See Annex C of this<br>specification for<br>details of the<br>test prod and gauges.<br>Not applicable to<br>styles referred to in<br>Note 2 page 24              | As 1.2.5.7 of<br>BS 9210                                                       |
| Rapid change of<br>temperature<br>followed by | 1.2.6.9                                           | - 55°C to + 155°C                                                                                                                                                                   |                                                                                |
| Damp heat, steady<br>state                    | 1.2.6.8                                           | Severity 40° $\pm$ 2°C<br>for 21 days.<br>Polarizing voltage<br>60 $\pm$ 5 V d.c.<br>Inner conductor to<br>be positive.<br>Working Voltage<br>1kV $\pm$ 50 V d.c. or<br>a.c. peak   | As in 1.2.6.8 of<br>BS 9210.<br>There shall be no<br>breakdown or<br>flashover |
| Final measurements                            |                                                   |                                                                                                                                                                                     |                                                                                |
| Contact<br>resistance                         | 1.2.4.3                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated). Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                         | $\leq 10 \text{ m}\Omega$                                                      |

SCHEDULE 2(CONTINUED)

| INSPECTION                 | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST                                                                                                                  | PERFORMANCE REQUIREMENTS         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Subgroup C3 (D) (contd)    |                                                                                                                                                                 |                                  |
| Outer conductor continuity | 1.2.4.4 As in 10.2 of this specification (mated connectors not separated). Not applicable to styles referred to in Note 2 page 24                               | $\leq 5 \text{ m}\Omega$         |
| Insulation resistance      | 1.2.4.6 As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\geq 1 \text{ G}\Omega$         |
| Voltage proof              | 1.2.4.7 As in 10.4 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | As in 10.4 of this specification |
| Visual inspection          | 1.2.2                                                                                                                                                           | As in 1.2.2 of BS 9210           |
| Engagement and separation  | 1.2.5.5                                                                                                                                                         | As in clause 2 page 3            |
| Subgroup C5 (D)            |                                                                                                                                                                 |                                  |
|                            | Inspection level S-3<br>AQL 4%.<br>10.7, 10.8 Notes 1 and 2 of this specification apply to tests in this subgroup. Connectors shall be assembled as for Group B |                                  |
| Mechanical endurance       | 1.2.7.1 50 operations at not more than 15 per minute                                                                                                            |                                  |
| followed by.               |                                                                                                                                                                 |                                  |
| High temperature endurance | 1.2.7.2 Severity $155^{\circ} \pm 5^{\circ}\text{C}$ for 250 hours with no electrical load                                                                      |                                  |
| Final measurements         |                                                                                                                                                                 |                                  |
| Insulation resistance      | 1.2.4.6 As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\geq 1 \text{ G}\Omega$         |
| Contact resistance         | 1.2.4.3 As in 10.2 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                | $\leq 10 \text{ m}\Omega$        |

**SCHEDULE 2(CONTINUED)**

| INSPECTION                 | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                 | PERFORMANCE<br>REQUIREMENTS                                                                                                                                                                                                                                                                                      |
|----------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup C5 (D) (contd)    |                                                                                                   |                                                                                                                                                                                                                                                                                                                  |
| Outer conductor continuity | 1.2.4.4 As in 10.2 of this specification. Not applicable to styles referred to in Note 2 page 24  | $\leq 5 \text{ m}\Omega$                                                                                                                                                                                                                                                                                         |
| Voltage proof              | 1.2.4.7 As in 10.4 of this specification. Not applicable to styles referred to in Note 2 page 24  | As in 10.4 of this specification                                                                                                                                                                                                                                                                                 |
| Engagement and separation  | 1.2.5.5                                                                                           | As in clause 2 page 3                                                                                                                                                                                                                                                                                            |
| Sealing                    | 1.2.6.11 As in 10.5 of this specification. Not applicable to styles referred to in Note 2 page 24 | As in 10.5 of this specification                                                                                                                                                                                                                                                                                 |
| Subgroup C6                |                                                                                                   |                                                                                                                                                                                                                                                                                                                  |
| CTR information            | 1.1.11 Attributes information for subgroup C3 and C5                                              |                                                                                                                                                                                                                                                                                                                  |
| GROUP D (D)                |                                                                                                   |                                                                                                                                                                                                                                                                                                                  |
|                            |                                                                                                   | D3 tests are to be performed at 3-year intervals. The sample size shall be in accordance with Schedule 1 of this specification. In addition the issue number of the manufacturer's drawing list shall be checked against that in the approval application or certificate. Subgroups D1 and D2 are not applicable |

SCHEDULE 2 (CONTINUED)

| INSPECTION                             | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST                                                                               |                                                                                                                                                                      | PERFORMANCE REQUIREMENTS                                                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3 (i)                        | See Note 2 page 24                                                                                                           |                                                                                                                                                                      |                                                                                                                                                                           |
| Dimensions and materials (piece parts) | 1.2.3.2                                                                                                                      | Three sets of piece parts for each connector style and variant. It is not necessary to repeat measurements on common piece parts from the same source of manufacture | As 1.2.3.2 of BS 9210                                                                                                                                                     |
| Subgroup D3 (ii)                       | See Note 2 page 24                                                                                                           |                                                                                                                                                                      |                                                                                                                                                                           |
| Outline dimensions and mass            | 1.2.3.1                                                                                                                      |                                                                                                                                                                      | As in 1.1 and Annex A of this specification                                                                                                                               |
| Compatibility mechanical (gauging)     | 1.2.5.9(1)                                                                                                                   | Using compatibility gauges. See Figs 3 & 4 of Annex C for essential dimensional details.                                                                             | As in 1.2.5.9(1) of BS 9210                                                                                                                                               |
| Subgroup D3 (iii)(D)                   | 10.7, 10.8 Notes 1 and 2 of this specification apply to tests in this subgroup. Connectors shall be assembled as for Group B |                                                                                                                                                                      |                                                                                                                                                                           |
| Contact and insert retention           | 1.2.5.3                                                                                                                      | Axial forces<br>(1) 44.5N<br>(2) 222.5N<br><br>Forces shall be applied in a controlled manner without jerking or snatching                                           | There shall be no permanent displacement of the contact in relation to the insert, or the insert in relation to the shell. There shall be no damage or loosening of parts |
| reflection coefficient                 | 1.2.4.1                                                                                                                      | Frequency range of measurement up to 3 GHz and up to 10 GHz                                                                                                          | As in clause 2 page 3                                                                                                                                                     |
| followed by Partial discharge          | 1.2.4.12                                                                                                                     | Not applicable to styles referred to in Note 2 page 24                                                                                                               | Extinction voltage shall be $\geq 500$ V                                                                                                                                  |

SCHEDULE 2 (CONTINUED)

| INSPECTION                     | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                                                                                                                                                                                                                                                                                                                                                                               | PERFORMANCE<br>REQUIREMENTS                                                                                                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3(iii)(D)<br>(contd) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                            |
| followed by<br>Bump            | 1.2.6.3<br><br>With an appropriate cable from 1.1. Free length of cable 200-300 mm. Acceleration $390 \text{ m/s}^2$ . Number of bumps $4000 \pm 10$ . Temperature $22.5^\circ \pm 7.5^\circ \text{C}$ . Cables to be clamped in axial alignment on a stationary support $200 \pm 1 \text{ mm}$ from cable entry                                                                                                                                                | Permissible change in circuit resistance $\leq 10 \text{ k } \Omega$<br>Permissible duration of change $\leq 10 \mu \text{ s}$ .<br>Not applicable to styles referred to in Note 2 page 24 |
| followed by<br>Vibration       | 1.2.6.4<br><br>With an appropriate cable from 1.1. Free length of cable 200-300 mm. Procedure A. Frequency range 10 Hz to 500 Hz. Displacement amplitude 0.75 mm (up to 60 Hz) and acceleration amplitude $98 \text{ m/s}^2$ (above 60 Hz). Duration of sweep 30 minutes. Duration of test six hours. Temperature $22.5^\circ \pm 7.5^\circ \text{C}$ . Cables to be clamped in axial alignment on a stationery support $200 \pm 1 \text{ mm}$ from cable entry | Permissible change in circuit resistance $\leq 10 \text{ k } \Omega$<br>Permissible duration of change $\leq 10 \mu \text{ s}$ .<br>Not applicable to styles referred to in Note 2 page 24 |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                 | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST |                                                                                                                                                                                                                                                | PERFORMANCE REQUIREMENTS                                                                                                                                                               |
|--------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subgroup D3(iii)(D)<br>(contd)             |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| followed by<br>Shock                       | 1.2.6.5                                        | With an appropriate cable from 1.1. Free length of cable 200-300 mm. Severity $490 \text{ m/s}^2$ for 11 ms. Temperature $22.5^\circ \pm 7.5^\circ \text{C}$ . Cables to be clamped in axial alignment $200 \pm 1 \text{ mm}$ from cable entry | Permissible change in circuit resistance $\leq 10 \text{ k}\Omega$<br>Permissible duration of change $\leq 10 \mu\text{s}$ .<br>Not applicable to styles referred to in Note 2 page 24 |
| Intermediate measurements                  |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| Visual Inspection                          | 1.2.2                                          |                                                                                                                                                                                                                                                | As 1.2.2(1) and (2) of BS 9210.<br>There shall be no mechanical damage, movement or displacement of parts                                                                              |
| followed by                                |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| Rapid change of temperature                | 1.2.6.9                                        | Temperature - $55^\circ \text{C}$ and + $155^\circ \text{C}$                                                                                                                                                                                   |                                                                                                                                                                                        |
| followed by                                |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| Climatic sequence                          | 1.2.6.7.6                                      | Severity 55/155/56<br>Low air pressure severity 44 mbar                                                                                                                                                                                        | As 1.2.6.7.6 of BS 9210                                                                                                                                                                |
| Intermediate measurements                  |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| Voltage proof (whilst at low air pressure) | 1.2.4.7                                        | As in clause 2 page 3. Not applicable to styles referred to in Note 2 page 24                                                                                                                                                                  | As in 1.2.6.7.5 of BS 9210                                                                                                                                                             |
| Final measurements                         |                                                |                                                                                                                                                                                                                                                |                                                                                                                                                                                        |
| Contact resistance                         | 1.2.4.3                                        | As in 10.2 of this specification (mated connectors not separated). Not applicable to styles referred to in Note 2 page 24                                                                                                                      | $\leq 10 \text{ m}\Omega$                                                                                                                                                              |

SCHEDULE 2 (CONTINUED)

| INSPECTION                            | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                             | PERFORMANCE<br>REQUIREMENTS          |
|---------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Subgroup D3(iii)(D)<br>(contd)        |                                                   |                                                                                                                                             |                                      |
| Outer conductor<br>continuity         | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated). Not<br>applicable to styles<br>referred to in Note 2<br>page 24 | $\leq 5 \text{ m}\Omega$             |
| Insulation<br>resistance              | 1.2.4.6                                           | As in 10.3 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | $\geq 1 \text{ G}\Omega$             |
| Visual<br>inspection                  | 1.2.2                                             |                                                                                                                                             | As in 1.2.2(1) and<br>(2) of BS 9210 |
| Engagement and<br>separation          | 1.2.5.5                                           |                                                                                                                                             | As in clause 2<br>page 3             |
| Sealing                               | 1.2.6.11                                          | As in 10.5 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | As in 10.5 of this<br>specification  |
| R.F. shunt<br>resistance              | 1.2.4.11                                          | Frequency 30 MHz.<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                           | As in clause 2<br>page 3             |
| Voltage proof                         | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | As in 10.4 of this<br>specification  |
| Subgroup D3 (iv) (D)                  |                                                   | 10.7 Notes 1 and 2 of<br>this specification<br>apply to tests in this<br>subgroup.<br>Connectors shall be<br>assembled as for<br>Group B    |                                      |
| Voltage proof with<br>water immersion | 1.2.4.8                                           | Test voltage as in 10.4<br>of this specification                                                                                            | As in 10.4 of this<br>specification  |

SCHEDULE 2 (CONTINUED)

| INSPECTION                      | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                            | PERFORMANCE<br>REQUIREMENTS                                                      |
|---------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Subgroup D3 (iv) (D)<br>(contd) |                                                   |                                                                                                                                                                                                            |                                                                                  |
| followed by                     |                                                   |                                                                                                                                                                                                            |                                                                                  |
| Damp heat, steady<br>state      | 1.2.6.8                                           | Severity: $40^{\circ} \pm 2^{\circ}\text{C}$<br>for 56 days.<br>Polarizing voltage<br>$60 \pm 5$ V d.c. Inner<br>conductor to be<br>positive. Working<br>voltage 1000 V $\pm$<br>50 V d.c. or a.c.<br>peak | As in 1.2.6.8 of<br>BS 9210.<br>There shall be no<br>breakdown or flash-<br>over |
| Final measurements              |                                                   |                                                                                                                                                                                                            |                                                                                  |
| Contact<br>resistance           | 1.2.4.3                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                | $\leq 10 \text{ m}\Omega$                                                        |
| Outer conductor<br>continuity   | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                | $\leq 5 \text{ m}\Omega$                                                         |
| Insulation<br>resistance        | 1.2.4.6                                           | As in 10.3 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                       | $\geq 1 \text{ G}\Omega$                                                         |
| Voltage proof                   | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                       | As in 10.4 of this<br>specification                                              |
| Visual<br>inspection            | 1.2.2                                             |                                                                                                                                                                                                            | As in 1.2.2(1) and<br>(2) of BS 9210                                             |
| Engagement and<br>separation    | 1.2.5.5                                           |                                                                                                                                                                                                            | As in clause 2<br>page 3                                                         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                          | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST                                                                                                   | PERFORMANCE<br>REQUIREMENTS         |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Subgroup D3 (v) (D)                                 | 10.7, 10.8 Notes 1 and<br>2 of this specification<br>apply to tests in this<br>subgroup. Connectors<br>shall be assembled as<br>for Group B         |                                     |
| Mechanical<br>endurance                             | 1.2.7.1 500 operations at not<br>more than 15 per minute                                                                                            |                                     |
| Intermediate<br>measurements                        |                                                                                                                                                     |                                     |
| Engagement and<br>separation                        | 1.2.5.5                                                                                                                                             | As in clause 2<br>page 3            |
| Gauge retention<br>force<br>(resilient<br>contacts) | 1.2.5.2 No sizing - see<br>ANNEX C of this<br>specification for<br>gauge details. Not<br>applicable to styles<br>referred to in Note 2<br>page 24   | As in 1.2.5.2 of<br>BS 9210         |
| followed by                                         |                                                                                                                                                     |                                     |
| High temperature<br>endurance                       | 1.2.7.2 Severity $155^{\circ} \pm 5^{\circ}\text{C}$ for<br>1000 hours                                                                              | As 1.2.7.2 of<br>BS 9210            |
| Intermediate<br>measurements                        | During the last 250<br>hours and whilst at<br>high temperature                                                                                      |                                     |
| Insulation<br>resistance                            | 1.2.4.6 As in 10.3 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                        | $\geq 1\text{ G}\Omega$             |
| Sealing                                             | 1.2.4.11 As in 10.5 of this<br>specification                                                                                                        | As in 10.5 of this<br>specification |
| Final measurements<br>after recovery                |                                                                                                                                                     |                                     |
| Contacts<br>resistance                              | 1.2.4.3 As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24 | $\leq 10\text{ m}\Omega$            |

SCHEDULE 2 (CONTINUED)

| INSPECTION                     | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                                                                   | PERFORMANCE<br>REQUIREMENTS         |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
|--------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|--|
| Subgroup D3 (v) (D)<br>(contd) |                                                   |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Outer conductor<br>continuity  | 1.2.4.4                                           | As in 10.2 of this<br>specification (mated<br>connectors not<br>separated).<br>Not applicable to<br>styles referred to in<br>Note 2 page 24                                                                                                                                                                                                       | $\leq 5 \text{ m } \Omega$          |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Voltage proof                  | 1.2.4.7                                           | As in 10.4 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                                                                                                                                              | As in 10.4 of this<br>specification |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Engagement and<br>separation   | 1.2.5.5                                           |                                                                                                                                                                                                                                                                                                                                                   | As in clause 2<br>page 3            |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Sealing                        | 1.2.6.11                                          | As in 10.5 of this<br>specification. Not<br>applicable to styles<br>referred to in Note 2<br>page 24                                                                                                                                                                                                                                              | As in 10.5 of this<br>specification |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Subgroup D3 (vi) (D)           |                                                   | Note 1 applies to<br>tests in this subgroup.<br>Connectors shall be<br>assembled as for<br>Group B, with<br>150-200 mm of the<br>appropriate cable from<br>1.1                                                                                                                                                                                    |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| Cable pulling                  | 1.2.5.8.2.2                                       | The force shall be<br>applied in a<br>controlled manner at<br>a distance $\geq 50 \text{ mm}$<br>from the cable outlet,<br>without jerking or<br>snatching and shall be<br>maintained at the<br>specified value for one<br>minute                                                                                                                 | As 1.2.5.8.2.1<br>of BS 9210        |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
|                                |                                                   | <table><tr><td>Connector<br/>Variant</td><td>Force (N)<br/>Min.</td></tr><tr><td>AO</td><td>312</td></tr><tr><td>AQ</td><td>623</td></tr><tr><td>AR</td><td>623</td></tr><tr><td>AY</td><td>623</td></tr><tr><td>BR</td><td>312</td></tr><tr><td>BT</td><td>623</td></tr><tr><td>BV</td><td>623</td></tr><tr><td>BX</td><td>623</td></tr></table> | Connector<br>Variant                | Force (N)<br>Min. | AO | 312 | AQ | 623 | AR | 623 | AY | 623 | BR | 312 | BT | 623 | BV | 623 | BX | 623 |  |
| Connector<br>Variant           | Force (N)<br>Min.                                 |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| AO                             | 312                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| AQ                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| AR                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| AY                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| BR                             | 312                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| BT                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| BV                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |
| BX                             | 623                                               |                                                                                                                                                                                                                                                                                                                                                   |                                     |                   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |  |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                  | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                                                                                                                                                                       | PERFORMANCE<br>REQUIREMENTS   |
|---------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Subgroup D3 (vi) (D)<br>(contd)             |                                                   |                                                                                                                                                                                                                                                                       |                               |
| followed by<br>Cable rotation               | 1.2.5.8.3                                         | Number of revolutions 10                                                                                                                                                                                                                                              | As 1.2.5.8.3<br>of BS 9210    |
| followed by<br>Cable bending                | 1.2.5.8.4                                         | The force, applied by means of a mass attached to the free end of the cable, shall be such that when the loaded end is allowed to make a controlled descent through 90° the cable will take up its minimum bending radius (see BS 2316). Test to be repeated 10 times | As in 1.2.5.8.4<br>of BS 9210 |
| followed by<br>Cable torsion                | 1.2.5.8.5                                         | Applied torque<br>$\geq 3.5$ Nm. Point of application 20 to 25 mm from fixed connector cable entry.<br>Duration $\geq 10$ s                                                                                                                                           | As 1.2.5.8.5<br>of BS 9210    |
| followed by<br>Impact (free specimens only) | 1.2.5.6                                           | The length of cable may be mechanically extended using the same type of cable to a total length of<br>$\geq 1510$ mm.<br>Drop height: $\geq 900$ mm.<br>Number of impacts 5                                                                                           | As 1.2.5.6 of<br>BS 9210      |
| followed by<br>R.F. shunt resistance        | 1.2.4.11                                          | See clause 2 page 3<br>Frequency 30 MHz                                                                                                                                                                                                                               | As in clause 2<br>page 3      |
| followed by<br>Capacitance                  | 1.2.4.10                                          | See clause 2 page 3                                                                                                                                                                                                                                                   | As in clause 2<br>page 3      |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                                                                                                                                                                                                              | BS 9210: 1971 REFERENCE AND<br>CONDITIONS OF TEST |                                                                                                                              | PERFORMANCE<br>REQUIREMENTS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Subgroup D3 (vi) (D)<br>(contd)<br><br>followed by<br><br>Static load<br>(for fixed<br>connectors only)<br><br>followed by<br><br>Robustness of<br>terminations<br><br>followed by<br><br>Test prod damage<br>(female contacts<br>only) | 1.2.5.4                                           | Force $\geq$ 100N.<br>The point of<br>application shall be<br>10 $\pm$ 1 mm from the<br>mounting plane                       | As 1.2.5.4 of<br>BS 9210    |
|                                                                                                                                                                                                                                         | 1.2.6.2                                           | Force applied<br>$\geq$ 44.5 N minimum<br>(solder bucket styles<br>only)                                                     | As 1.2.6.2 of<br>BS 9210    |
|                                                                                                                                                                                                                                         | 1.2.5.7                                           | Moment - 110 mNm<br>Details of the test<br>prod and gauges for<br>this test are given in<br>Annex C of this<br>specification | As 1.2.5.7 of<br>BS 9210    |
| Subgroup D3(vii)(D)<br>Flammability                                                                                                                                                                                                     | 1.2.6.16                                          |                                                                                                                              | As 1.2.6.16.1 of<br>BS 9210 |
| Subgroup D3(viii)(D)<br><br>Mould growth<br><br>Final measurements                                                                                                                                                                      |                                                   | Note 1 page 24<br>applies to tests in<br>this subgroup.                                                                      |                             |
|                                                                                                                                                                                                                                         | 1.2.6.13                                          |                                                                                                                              | As 1.2.6.13 of<br>BS 9210   |
| Insulation<br>resistance                                                                                                                                                                                                                | 1.2.4.6                                           | As in 10.3 of this<br>specification                                                                                          | $\geq$ 1 G $\Omega$         |
| Contact<br>resistance                                                                                                                                                                                                                   | 1.2.4.3                                           | As in 10.2 of this<br>specification                                                                                          | $\leq$ 10 m $\Omega$        |
| Outer conductor<br>continuity                                                                                                                                                                                                           | 1.2.4.4                                           | As in 10.2 of this<br>specification                                                                                          | $\leq$ 5 m $\Omega$         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                                              | BS 9210: 9171 REFERENCE AND CONDITIONS OF TEST |                                                                                                                                                                                                   | PERFORMANCE REQUIREMENTS                                                 |
|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Subgroup D3(ix)(D)                                      |                                                | Notes 1 and 2 page 24 apply to tests in this subgroup. The specimens shall be divided into two groups as follows:<br>(1) 1 specimen for corrosive atmosphere test<br>(2) 1 specimen for dust test |                                                                          |
| Corrosive atmosphere (salt mist)                        | 1.2.6.14                                       | Severity 1                                                                                                                                                                                        |                                                                          |
|                                                         | 1.2.6.14(2)                                    | Working Voltage 1 kV $\pm$ 50 d.c. or a.c. peak. Voltage shall be applied, to mated specimens only, for five minutes within 15 minutes of removal from the conditioning chamber                   | As in 1.2.6.14(2) of BS 9210<br>There shall be no breakdown or flashover |
| Intermediate measurements                               |                                                |                                                                                                                                                                                                   |                                                                          |
| Engagement and separation                               | 1.2.5.5                                        |                                                                                                                                                                                                   | To be achievable by hand in the normal manner                            |
| After cleaning the following tests shall be carried out |                                                |                                                                                                                                                                                                   |                                                                          |
| Visual inspection                                       | 1.2.2.                                         |                                                                                                                                                                                                   | As 1.2.2 of BS 9210                                                      |
| Engagement and separation                               | 1.2.5.5                                        |                                                                                                                                                                                                   | As in clause 2 page 3                                                    |
| Contact resistance                                      | 1.2.4.3                                        | As in 10.2 of this specification                                                                                                                                                                  | $\leq 10 \text{ m } \Omega$                                              |
| Outer conductor continuity                              | 1.2.4.4                                        | As in 10.2 of this specification                                                                                                                                                                  | $\leq 5 \text{ m } \Omega$                                               |
| Insulation resistance                                   | 1.2.4.6                                        | As in 10.3 of this specification                                                                                                                                                                  | $\geq 1 \text{ G } \Omega$                                               |
| Voltage proof followed by                               | 1.2.4.7                                        | As in 10.4 of this specification                                                                                                                                                                  | As in 10.4 of this specification                                         |

SCHEDULE 2 (CONTINUED)

| INSPECTION                    | BS 9210: 1971 REFERENCE AND CONDITIONS OF TEST |                                                                                                                                                                                                                                                                                                     | PERFORMANCE REQUIREMENTS    |
|-------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Subgroup D3(ix)(D)<br>(contd) |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Dust                          | 1.2.6.15                                       |                                                                                                                                                                                                                                                                                                     | As in 1.2.6.15.1 of BS 9210 |
| Final measurements            |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Contact resistance            | 1.2.4.3                                        | As in 10.2 of this specification                                                                                                                                                                                                                                                                    | $\leq 10 \text{ m } \Omega$ |
| Outer conductor continuity    | 1.2.4.4                                        | As in 10.2 of this specification                                                                                                                                                                                                                                                                    | $\leq 5 \text{ m } \Omega$  |
| Engagement and separation     | 1.2.5.5                                        |                                                                                                                                                                                                                                                                                                     | As in clause 2 page 3       |
| Visual inspection             | 1.2.2                                          |                                                                                                                                                                                                                                                                                                     | As in 1.2.2 of BS 9210      |
| Subgroup D3(x)(D)             |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Resistance to solvents        | 1.2.8                                          | Notes 1 and 2 page 24 apply to tests in this subgroup<br>Solvents listed in BS 9210 Appendix J1.(4) and (5)<br>J2.(1) and (2)                                                                                                                                                                       |                             |
| Final measurements            |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| Insulation resistance         | 1.2.4.6                                        | As in 10.3 of this specification. Not applicable to styles referred to in Note 2 page 24                                                                                                                                                                                                            | $\geq 1 \text{ G } \Omega$  |
| Engagement and separation     | 1.2.5.5                                        |                                                                                                                                                                                                                                                                                                     | As in clause 2 page 3       |
| Subgroup D4                   |                                                |                                                                                                                                                                                                                                                                                                     |                             |
| CTR information               | 1.1.11                                         | The values of reflection coefficient obtained in the D3(iii) test shall be presented as measurement information in the CTR<br><br>Insulation resistance, contact resistance, and outer conductor continuity at the end of the D3(iii) tests shall be presented as attributes information in the CTR |                             |

SCHEDULE 2 (CONTINUED)

NOTES APPLICABLE TO SCHEDULE 2

- Note 1.      The requisite test parameters covered by the final measurements in this subgroup may be measured prior to the commencement of the test or test sequence.
- Note 2.      This inspection also applies where possible to accessories such as styles 98-12 and 99-12. Inspections referring to Note 2 form the complete inspection requirements for these styles, which may be mated with appropriate connectors during the tests. These tests then apply to both the connector and the accessory.

**TABLE I(A)**  
**STANDARD RANGE**  
**CONNECTOR, RADIO FREQUENCY, SERIES C**

| PAGE<br>ITEM<br>NO | NATO<br>STOCK NO<br>5935-99- | STYLE  | DESCRIPTION                                                                   | MAXIMUM<br>WEIGHT<br>(gram) | CONTROL<br>DRAWINGS<br>ANNEX C<br>FIGS | OUTLINE<br>DIMENSIONS<br>ANNEX A<br>FIG | VARIANT | SUITABLE CABLE.<br>BS 2316: URM- |                 | NOTES   |
|--------------------|------------------------------|--------|-------------------------------------------------------------------------------|-----------------------------|----------------------------------------|-----------------------------------------|---------|----------------------------------|-----------------|---------|
|                    |                              |        |                                                                               |                             |                                        |                                         |         | 50 Ω MATCHED<br>IMPEDANCE        | UNMATCHED       |         |
|                    |                              |        |                                                                               |                             |                                        |                                         |         |                                  |                 |         |
| 1                  | 017-2203                     | )01-03 | Connector coupler, free, straight. Female contact                             | 45                          | 2, 4 and 5                             | 1                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 2                  | 017-2204                     |        |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 3                  | 017-2205                     |        |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 4                  | 017-2206                     | )05-03 | Connector fixed, single hole mounting, solder bucket, Female contact          | 48                          | 2, 4 and 5                             | 2                                       | ZZ      | -                                | -               | 1 and 2 |
| 5                  | 017-2207                     |        |                                                                               |                             |                                        | 3                                       |         | -                                | -               | 1 and 3 |
| 6                  | 017-2208                     | )06-02 | Connector free, straight. Male contact                                        | 55                          | 1, 3 and 5                             | 4                                       | AQ/BR   | 102 and 107                      | 105 and 113     | -       |
| 7                  | 017-2209                     |        |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 8                  | 017-2210                     |        |                                                                               | 140                         |                                        | 5                                       | AR/BV   | 91 and 112                       | 60              | -       |
| 9                  | 017-2211                     |        |                                                                               |                             |                                        |                                         | AY/BX   | 74                               | 77              | 4       |
| 10                 | 017-2212                     | )07-03 | Connector fixed, straight, single hole mounting, cable outlet. Female contact | 60                          | 2, 4 and 5                             | 6                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 11                 | 017-2213                     |        |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65, and 303 | -       |
| 12                 | 017-2214                     |        |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 13                 | 017-2215                     | )08-02 | Connector free, right angle. Male contact                                     | 75                          | 1, 3 and 5                             | 7                                       | AO/BR   | 102 and 107                      | 105 and 113     | -       |
| 14                 | 017-2216                     |        |                                                                               |                             |                                        |                                         | AQ/BT   | 67 and 304                       | 57, 65 and 303  | -       |
| 15                 | 017-2217                     |        |                                                                               |                             |                                        |                                         | AR/BV   | 91 and 112                       | 60              | -       |
| 16                 | 017-2218                     | 16-08  | Adaptor connector free, right angle. One male, Two female contacts            | 50                          | 1, 2, 3, 4 and 5                       | 8                                       | -       | -                                | -               | -       |
| 17                 | 017-2219                     | 18-05  | Adaptor connector fixed, straight, single hole mounting, Two female contacts  | 55                          | 2, 4 and 5                             | 9                                       | -       | -                                | -               | -       |

**TABLE I(B)**  
**STANDARD RANGE**  
**COVER, ELECTRICAL FOR CONNECTOR RADIO FREQUENCY, SERIES C**

| PAGE<br>ITEM<br>NO | NATO<br>STOCK NO<br>5935-99- | STYLE | DESCRIPTION                                                     | MAXIMUM<br>WEIGHT<br>(gram) | CONTROL<br>DRAWING<br>ANNEX C<br>FIG | OUTLINE<br>DIMENSIONS<br>ANNEX A<br>FIG |
|--------------------|------------------------------|-------|-----------------------------------------------------------------|-----------------------------|--------------------------------------|-----------------------------------------|
|                    |                              |       |                                                                 |                             |                                      |                                         |
|                    | (a)                          | (b)   | (c)                                                             | (d)                         | (e)                                  | (f)                                     |
| 1                  | 017-2220                     | 98-12 | Cover protective for connector fixed and connector coupler free | 20                          | 5                                    | 10                                      |
| 2                  | 017-2221                     | 99-12 | Cover protective for connector free                             | 20                          | 5                                    | 11                                      |

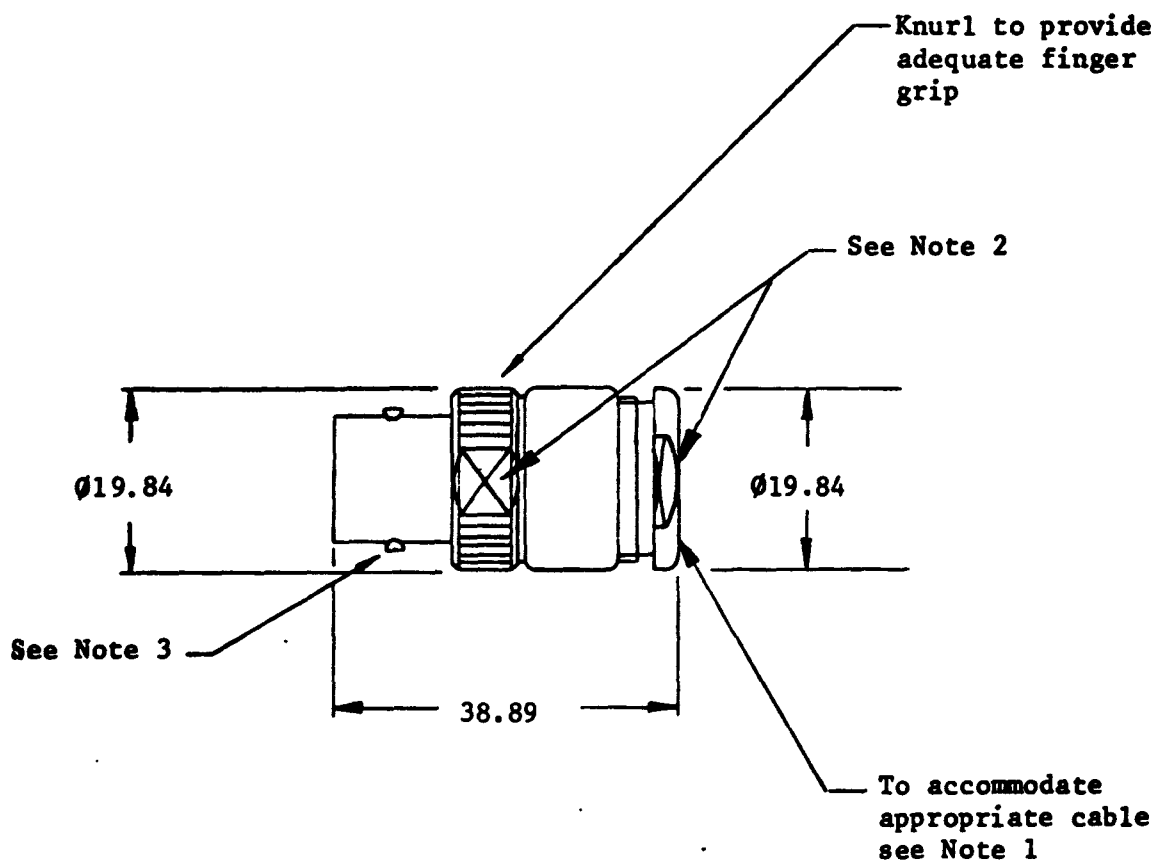
Notes

- For use with equipment wire.
- Rear of panel mounted.
- Front of panel mounted.
- Large cable outlet.
- indicates that the column heading does not apply.

ANNEX A  
OUTLINE DRAWINGS

In the following outline drawings:

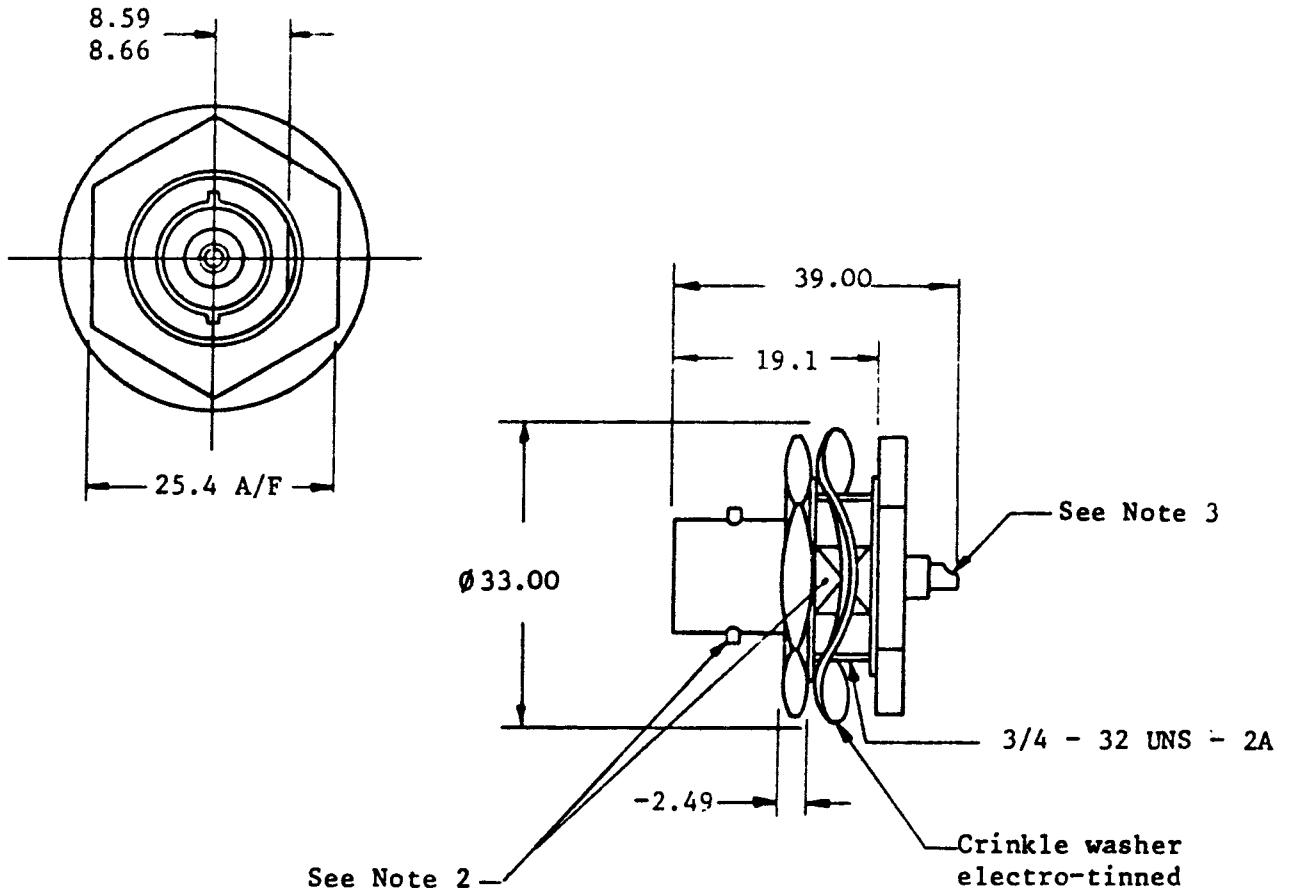
- (a) The dimensions which are in millimetres are derived from the original inch dimensions.
- (b) Unless otherwise stated all dimensions are maximum.
- (c) Third angle projection is used where projected views are shown.
- (d) All spanner flats to be preferred Standard A/F size.



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable:
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Orientation of spanner flats to bayonet studs is optional.

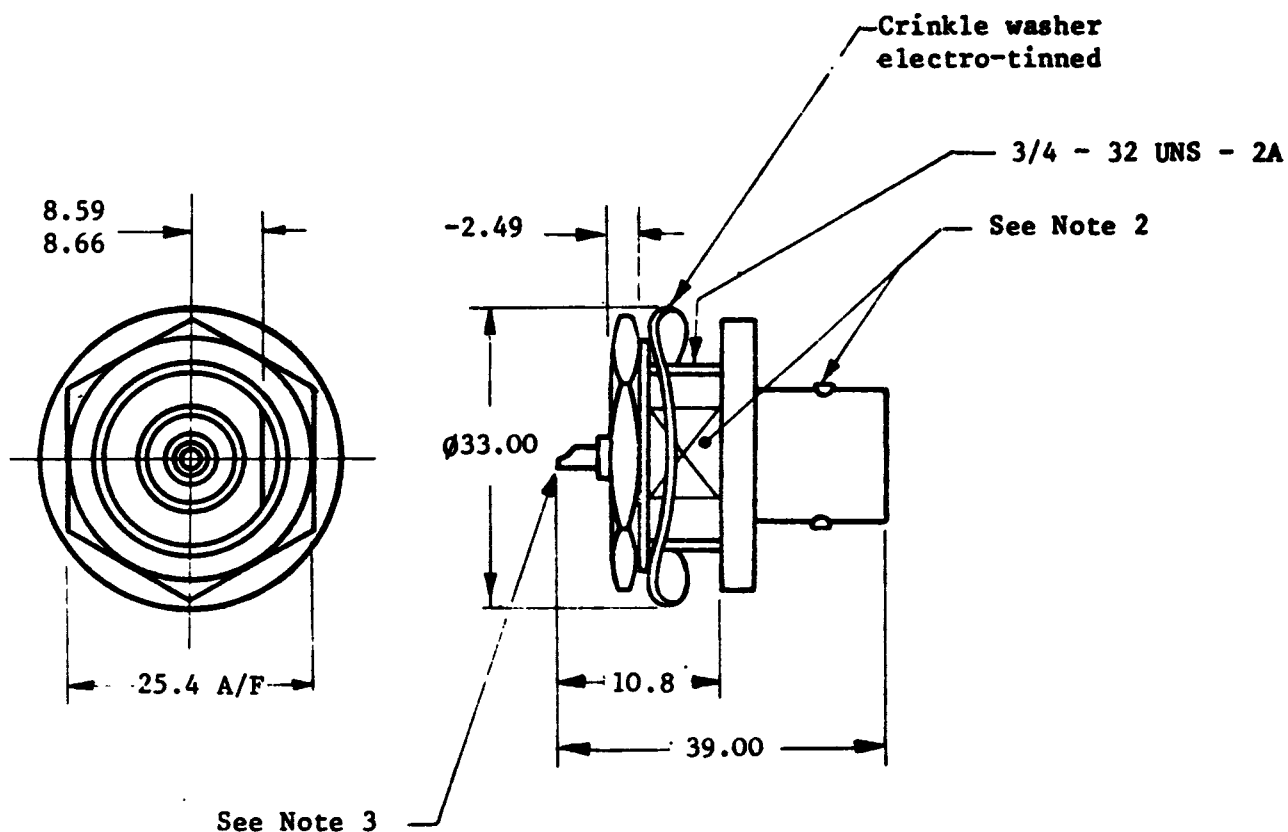
FIG 1 STYLE 01-03



#### Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .
- 3 Solder bucket for Ø2.29 maximum conductor. Orientation of solder bucket optional.
- 4 Thread flat to extend to within 0.05 of flange.

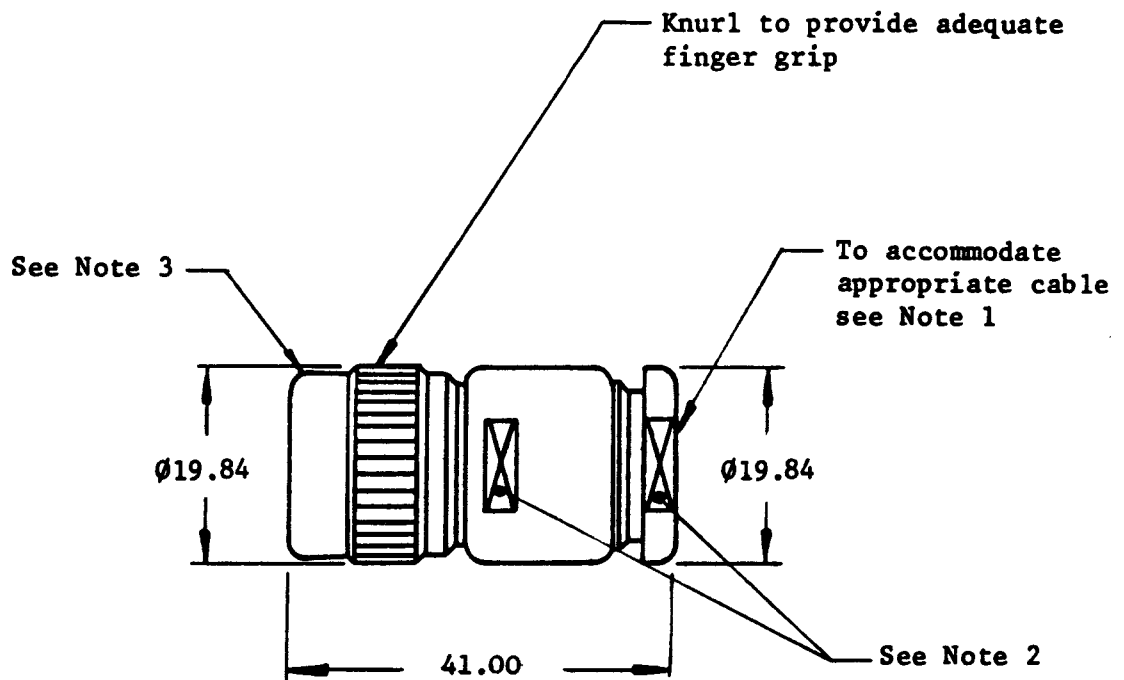
FIG 2 STYLE 05-03  
(rear panel mounted)



#### Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet stud to be as shown within  $\pm 3^\circ$ .
- 3 Solder bucket for Ø2.29 maximum conductor. Orientation of solder bucket optional.
- 4 Thread flat to extend to within 0.05 of flange.

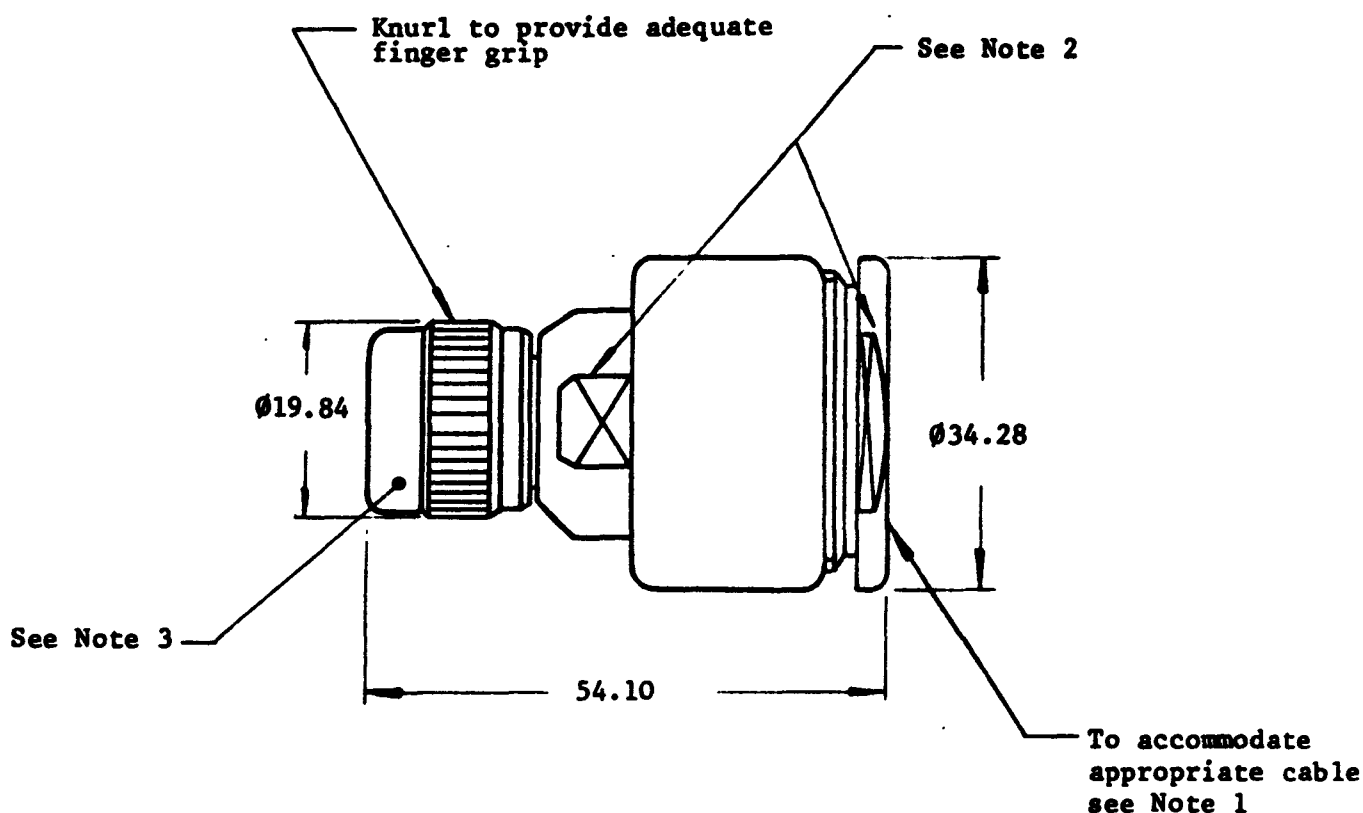
FIG 3 STYLE 05-03  
(front panel mounted)



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Coupling sleeve shall be free to rotate.

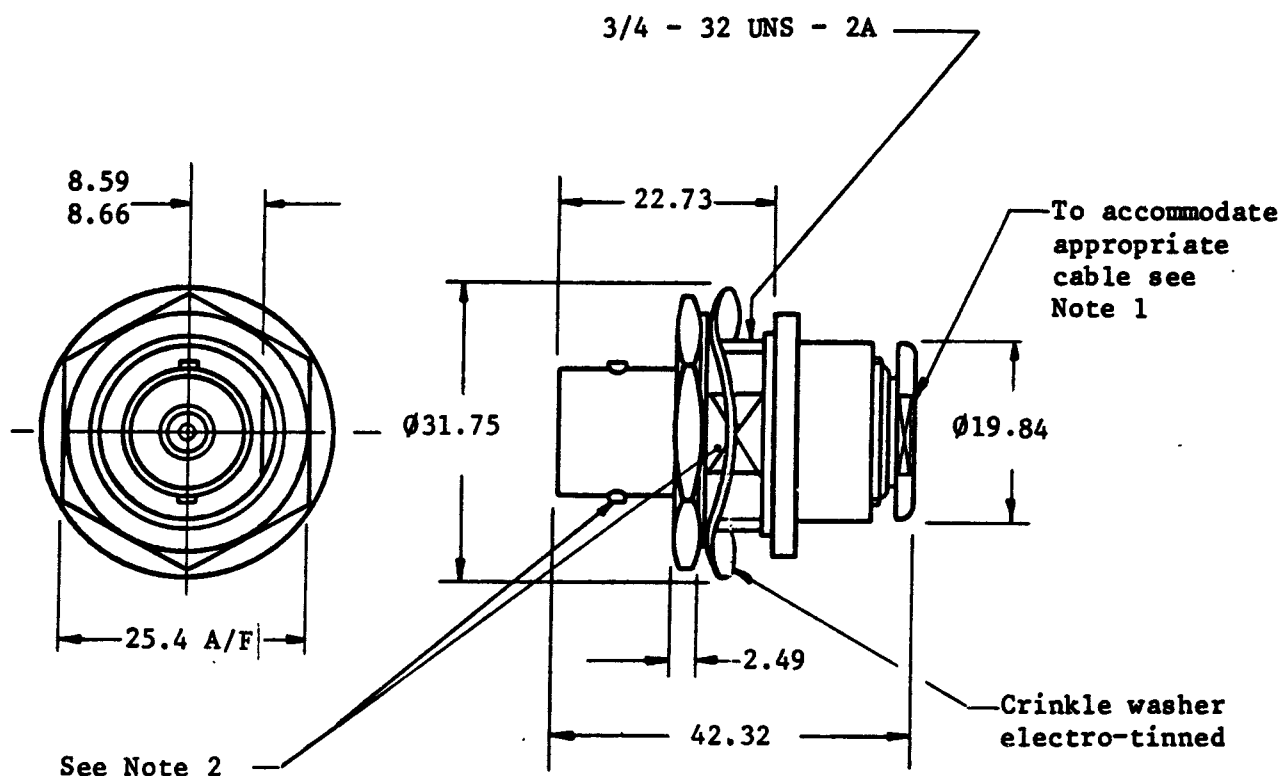
FIG 4 STYLE 06-02



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 3 Coupling sleeve shall be free to rotate.

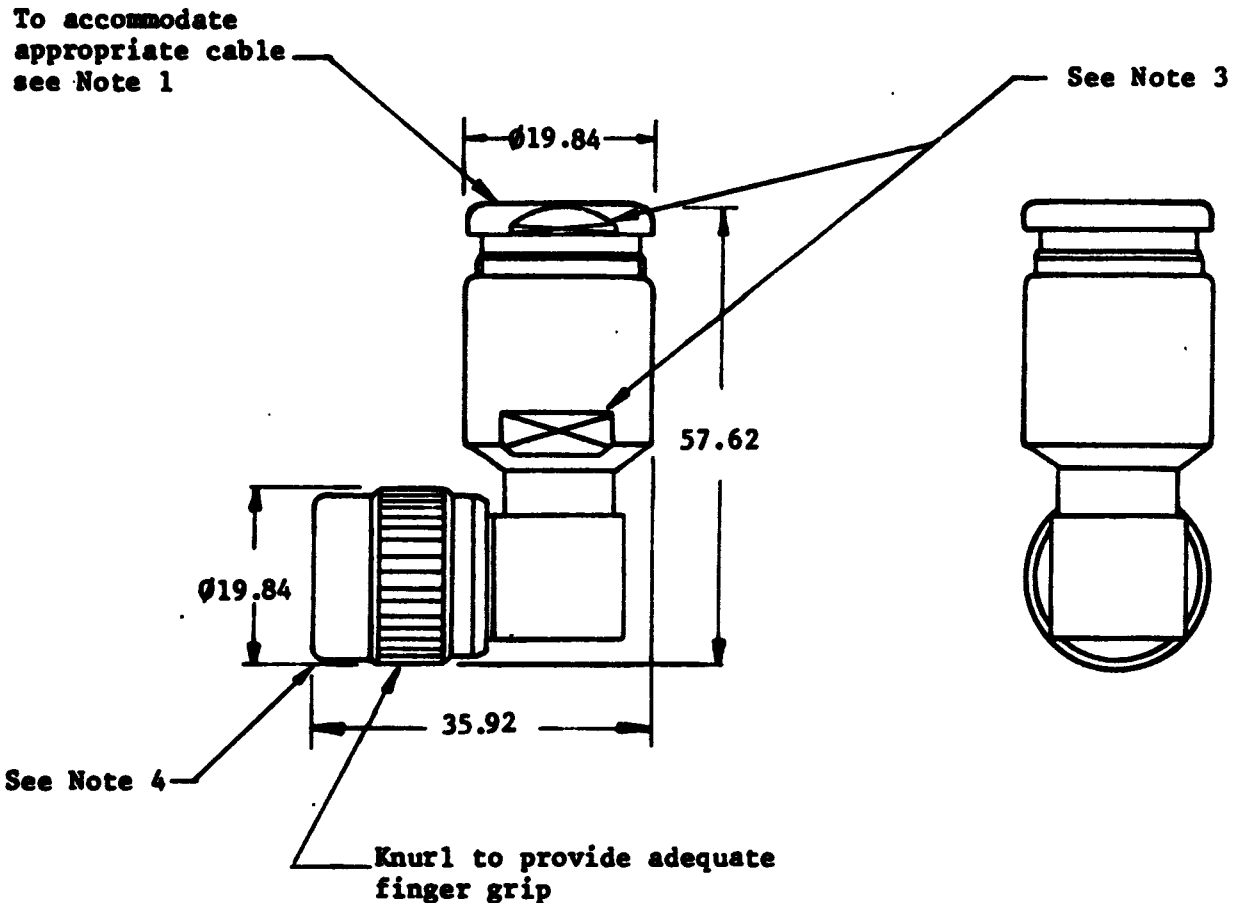
FIG 5 STYLE 06-02  
(large cable outlet)



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .
- 3 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 4 Thread flat to extend to within 0.05 of flange.

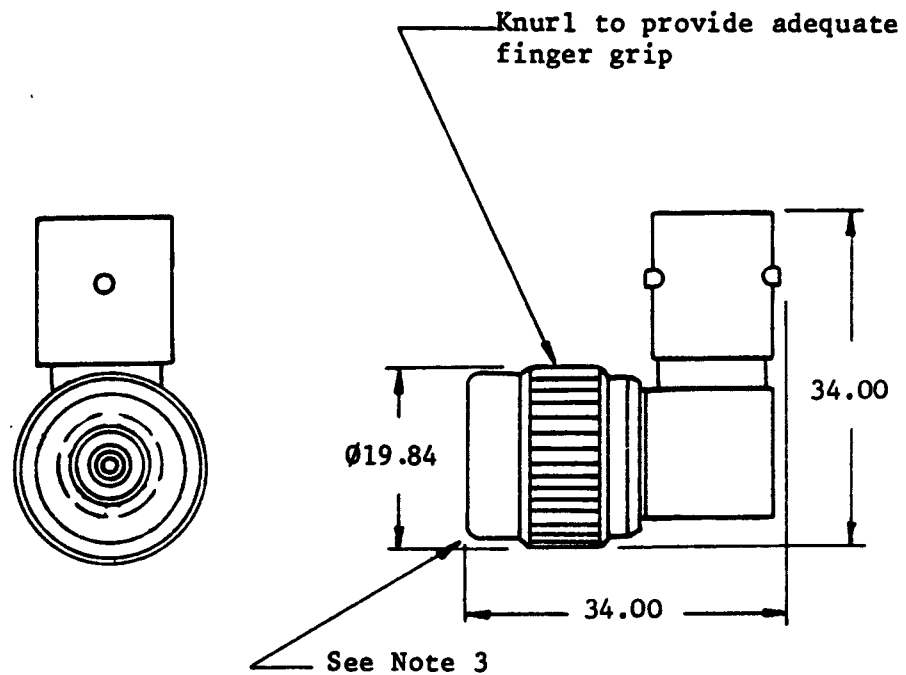
FIG 6 STYLE 07-03



Notes

- 1 Body to accommodate captive contact and means of terminating and retaining cable.
- 2 Contours optional within the dimensional envelope.
- 3 Spanner flats to be preferred Standard A/F size. Hexagon permissible for clamp nut only.
- 4 Coupling sleeve shall be free to rotate.

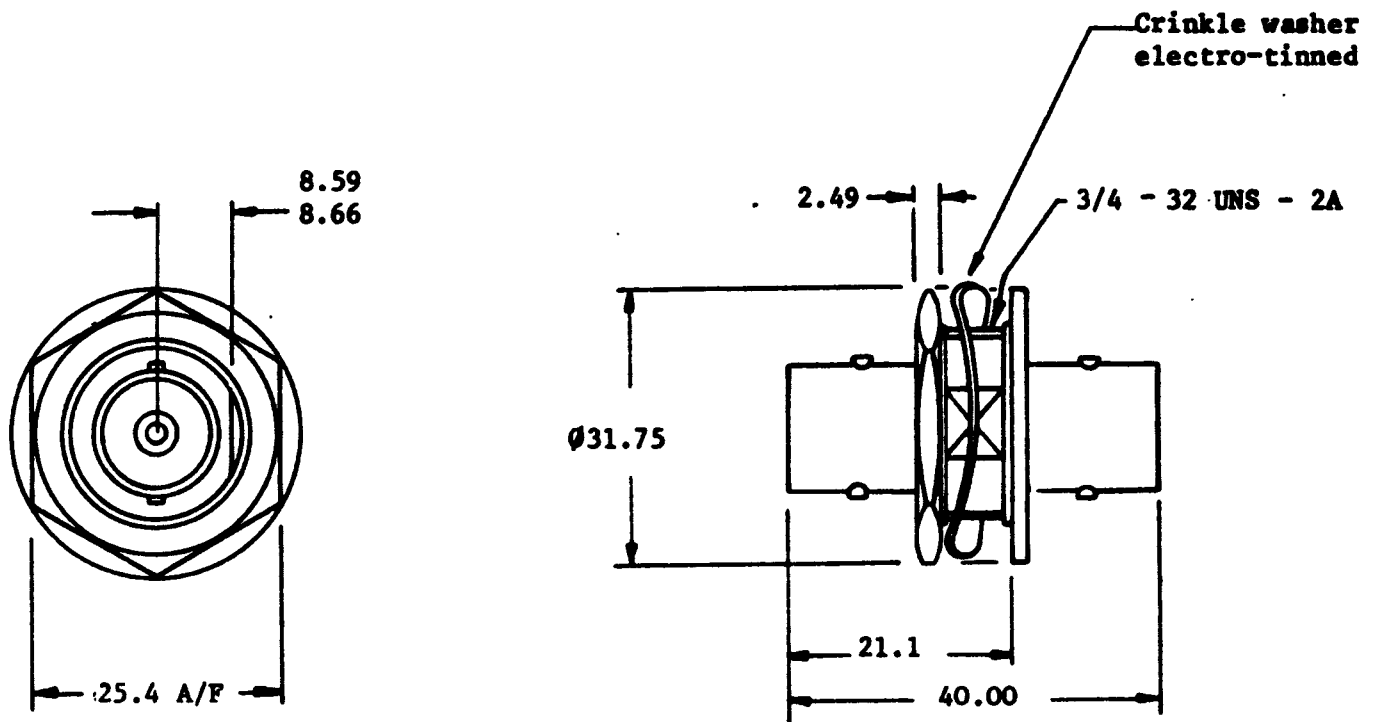
FIG 7 STYLE 08-02



Notes

- 1 Body to accommodate captive contact.
- 2 Contours optional within the dimensional envelope.
- 3 Coupling sleeve shall be free to rotate.

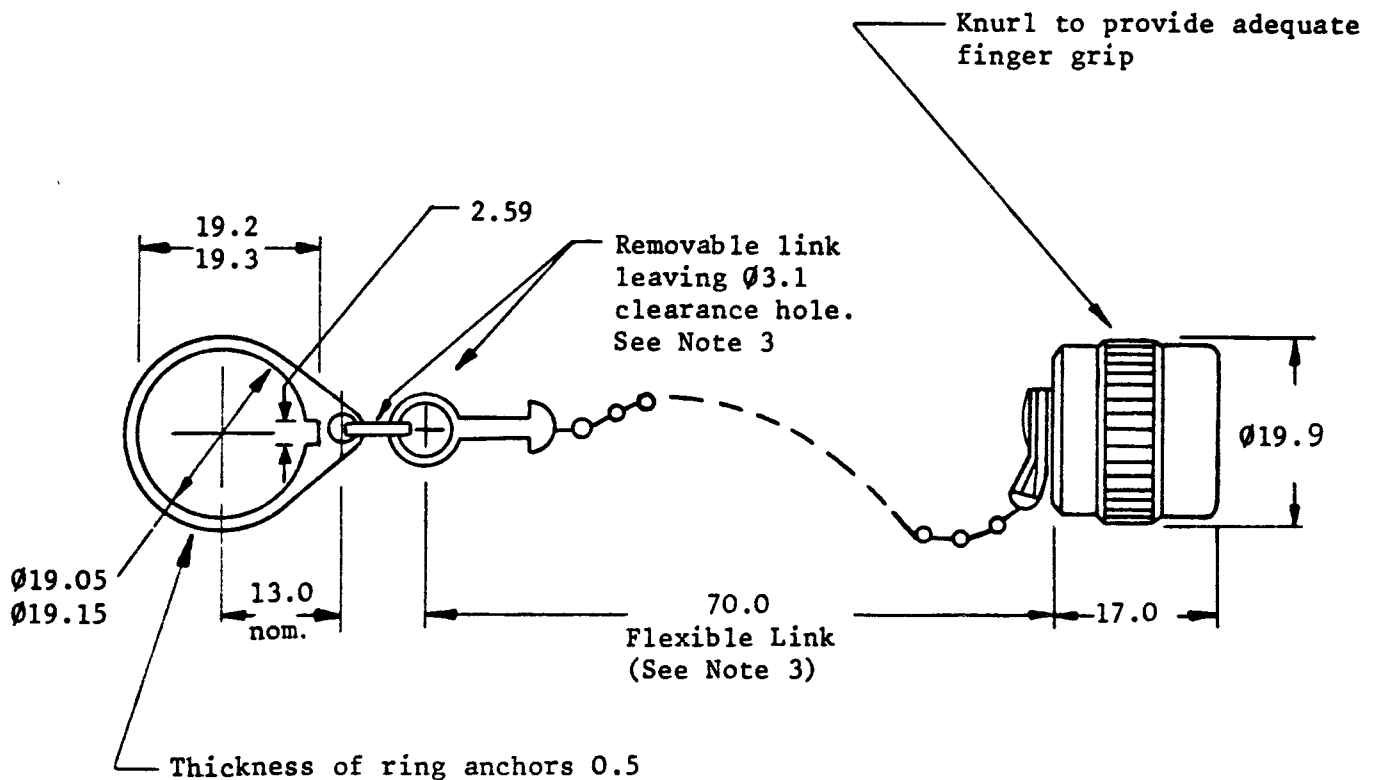
FIG 8 STYLE 16-08



Notes

- 1 Body to accommodate captive contact.
- 2 Orientation of 'D' flat to bayonet studs to be as shown within  $\pm 3^\circ$ .

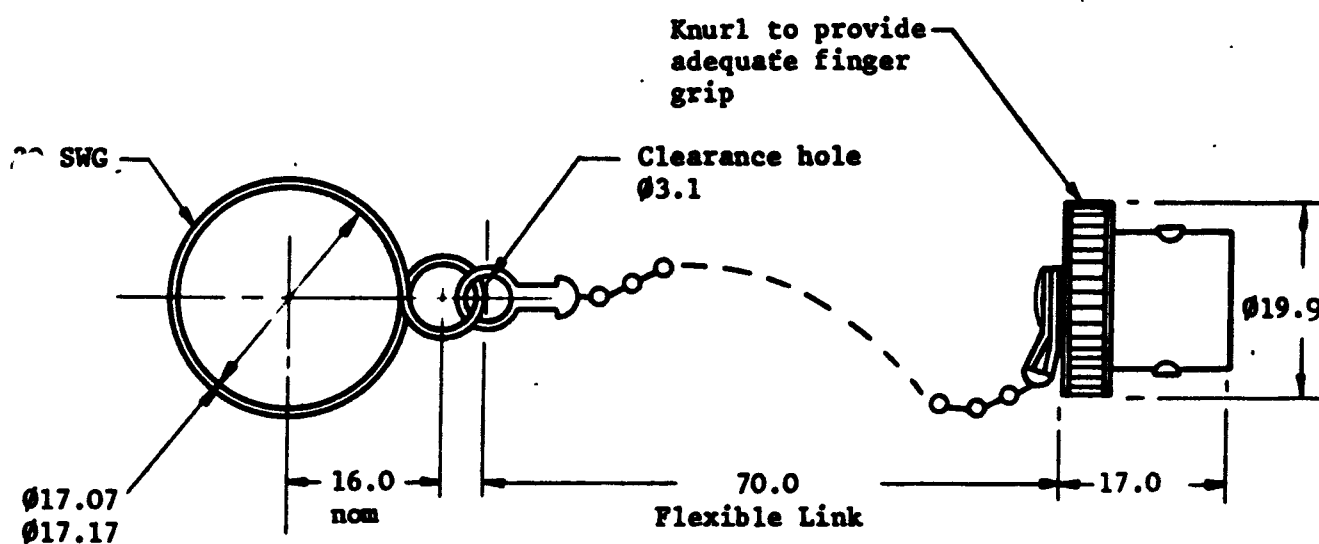
FIG 9 STYLE 18-05



#### Notes

- 1 Body to accommodate barrier seal: effective when mated with appropriate connector.
- 2 The ring anchor to be semi-captive when fitting over studs of mating connector.
- 3 A removable device between the ring anchor and eyelet provides an alternative fixing arrangement whereby the ring may be removed and the eyelet used for fixing.
- 4 Flexible link assembly to withstand a force of 250 N.

FIG 10 STYLE 96-12



**Notes**

- 1 The ring anchor clip to be semi-captive when fitted over knurled portion of mating connector.
- 2 The ring anchor clip may be removed and the eyelet used as an alternative means of fixing.
- 3 Flexible link assembly to withstand a force of 250 N.

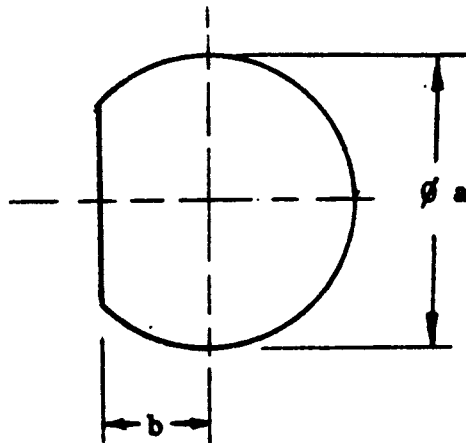
**FIG 11 STYLE 97-12**

ANNEX B

RECOMMENDED PIERCINGS FOR METAL PANELS  
AND OVERLAP DIMENSIONS

- B1. In the following outline drawings, the dimensions which are in millimetres are derived from the original inch dimensions.
- B2. The metal panel thickness shall be 3.96 in maximum.
- B3. The overlap of connectors in the mated condition is  $O_m$  where  
 $O_m = 10.42$  (See BS 9210 Appendix K)

ANNEX B  
RECOMMENDED PANEL CUT-OUT INFORMATION



| STYLE<br>REFERENCE<br>NUMBER | DIMENSIONS<br>(mm) |         |         |         | PANEL THICKNESS<br>(mm) |      |
|------------------------------|--------------------|---------|---------|---------|-------------------------|------|
|                              | ø a                |         | b       |         |                         |      |
|                              | Minimum            | Maximum | Minimum | Maximum | Maximum                 |      |
| 05-03<br>07-03<br>18-05      | )<br>)<br>)<br>)   | 19.30   | 19.43   | 8.66    | 8.74                    | 3.96 |

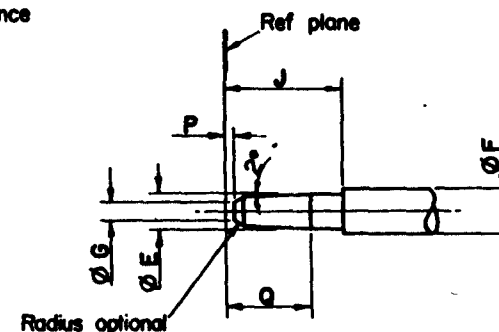
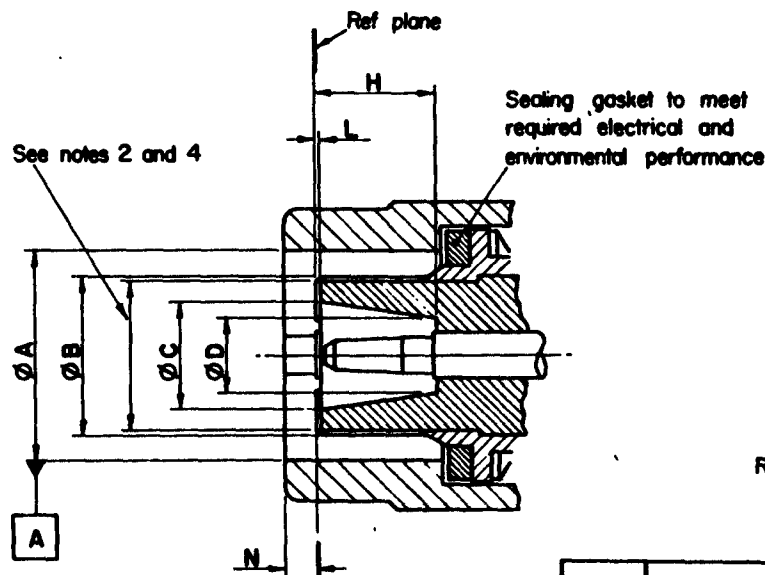
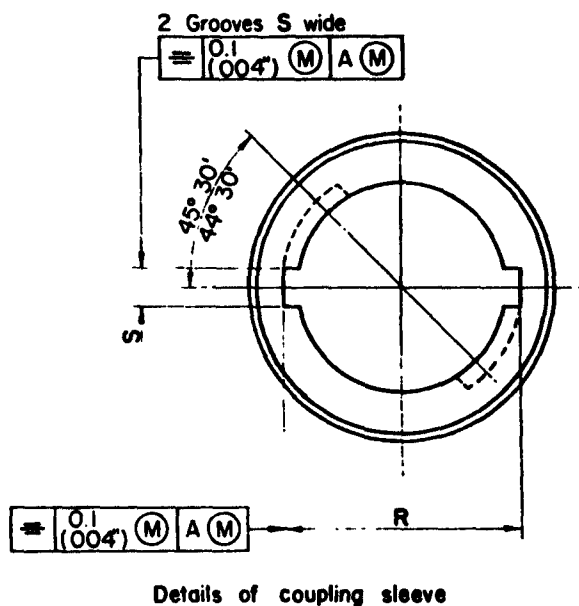
ANNEX C

CONTROL DRAWINGS

Mating face details and gauge information

In the following drawings Figs 1 to 5

- (a) The dimensions which are in millimeters are derived from the original inch dimensions.
- (b) Third angle projection is used where projected views are shown.
- (c) For explanation of dimensioning etc see BS 308.



Details of centre contact.

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 13.79       |         | 13.94   | .543    |         | .549    |
| Ø B        |             | 10.49   |         |         | .413    |         |
| Ø C        | 7.01        |         |         | .276    |         |         |
| Ø D        | 4.93        |         |         | .194    |         |         |
| Ø E        | 2.29        |         | 2.34    | .090    |         | .092    |
| Ø F        | 3.02        |         | 3.15    | .119    |         | .124    |
| Ø G        | 1.09        |         | 1.27    | .043    |         | .050    |
| H          | 7.85        |         |         | .309    |         |         |
| J          | 7.85        |         |         | .309    |         |         |
| K          | 2.64        |         | 2.90    | .104    |         | .114    |
| L          | 0.18        |         |         | .007    |         |         |
| M          | 0.25        |         | 0.41    | .010    |         | .016    |
| N          |             |         | 2.16    |         |         | .085    |
| P          | 0.08        |         |         | .003    |         |         |
| Q          | 4.85        |         | 6.38    | .191    |         | .251    |
| R          | 15.54       |         | 15.80   | .612    |         | .622    |
| S          | 2.64        |         | 2.90    | .104    |         | .114    |
| T          | 2.62        |         | 2.87    | .103    |         | .113    |
| U          | 3.33        |         | 3.58    | .131    |         | .141    |

Note 1 Coupling sleeve shall be free to rotate

Note 2 Diameters A,B,C,D and E shall be gauged to ensure that on MMC each feature is on or can take up a common axis.

Note 3 Diameter B is after slotting and flaring to meet performance requirements.

Note 4 The internal diameter of the outer contact shall be 9.58mm (.377") minimum when the contact is closed to an external diameter of 10.44 mm (.411")

Note 5 For gauge information see Fig. 3 and Fig. 5

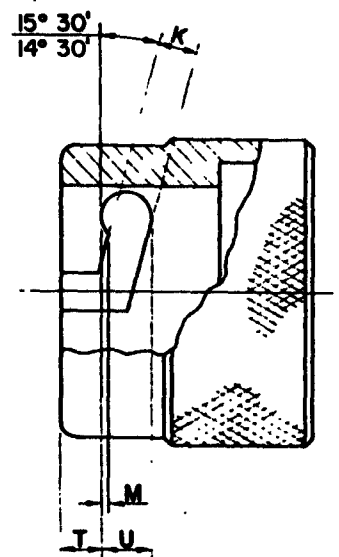
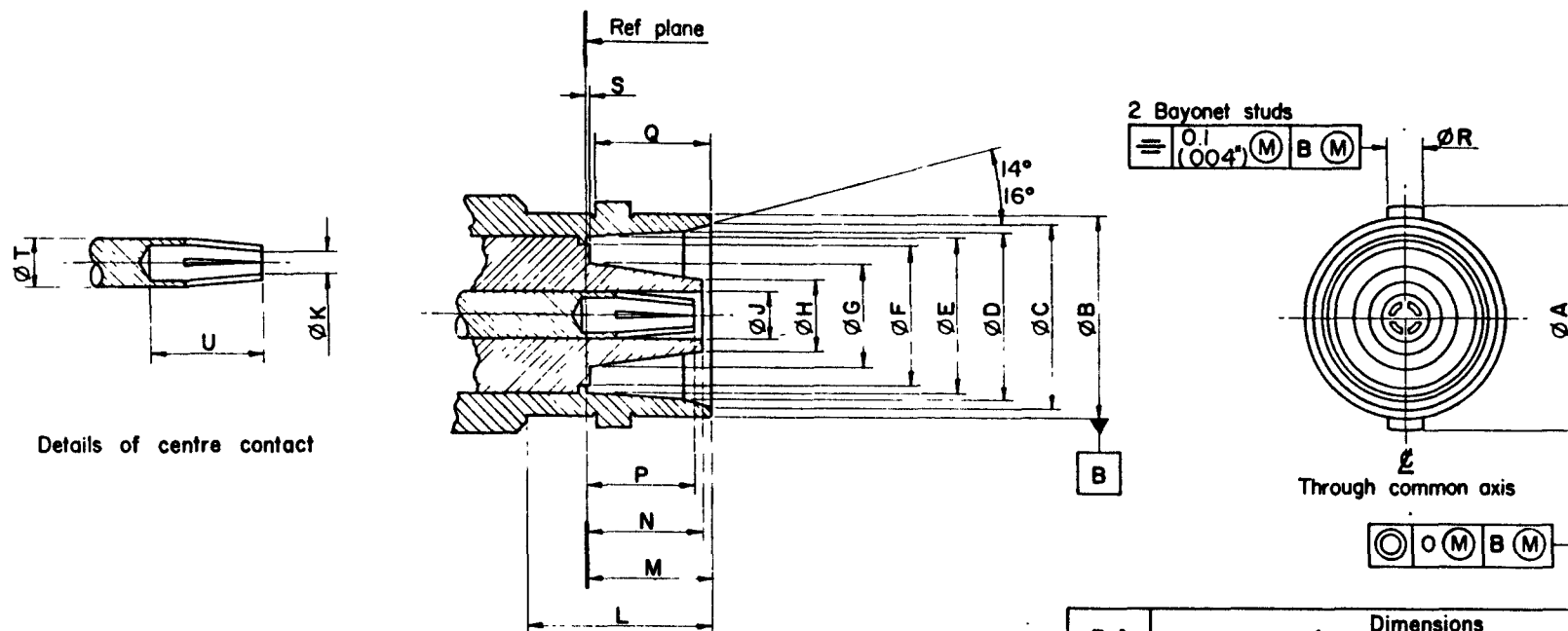


Fig. 1 Mating face details - Male centre contact (XX-O2 Styles)

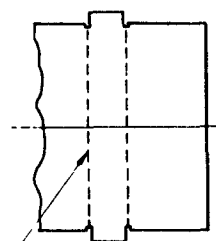


Details of centre contact

Note 1 Diameters B,C,D,E,F,G,H,J and K shall be gauged to ensure that on MMC each feature is on or can take up a common axis

Note 2 Diameter K and closure shall meet performance requirements, number of slots optional

Note 3 For gauge information see Fig 4 and Fig 5

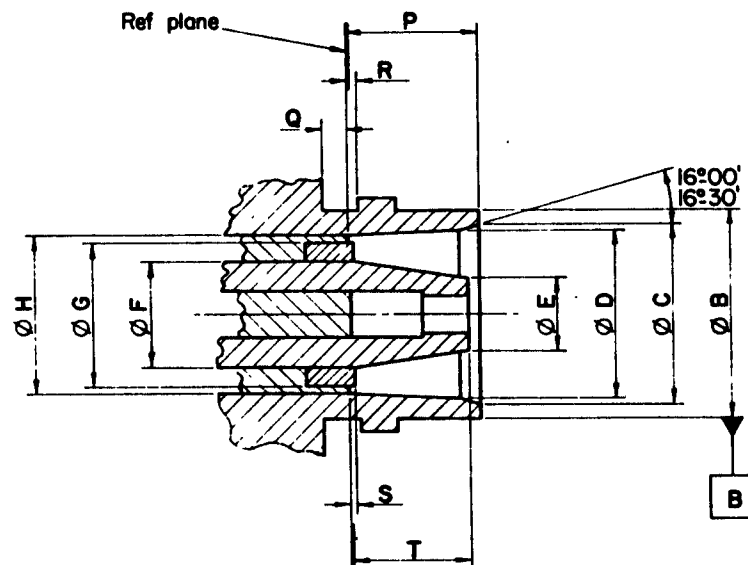
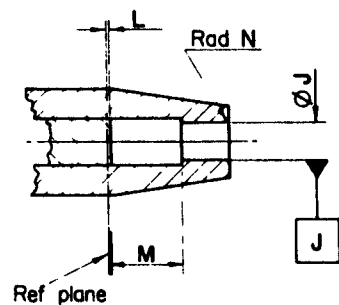


A concave depression (nominal)  
2.54 (10") wide x 0.13 (005")  
deep between studs is permitted

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 14.99       |         | 15.24   | .590    |         | .600    |
| Ø B        | 13.46       |         | 13.72   | .530    |         | .540    |
| Ø C        | 12.32       |         | 12.57   | .485    |         | .495    |
| Ø D        | 11.18       |         | 11.43   | .440    |         | .450    |
| Ø E        | 10.44       |         | 10.54   | .411    |         | .415    |
| Ø F        |             |         | 9.50    |         |         | .374    |
| Ø G        |             |         | 6.91    |         |         | .272    |
| Ø H        |             |         | 4.83    |         |         | .190    |
| Ø J        | 3.02        |         | 3.15    | .119    |         | .124    |
| Ø K        |             |         |         |         |         |         |
| L          | 12.57       |         |         | .495    |         |         |
| M          | 8.43        |         | 8.59    | .332    |         | .338    |
| N          |             |         | 7.85    |         |         | .309    |
| P          | 6.93        |         | 7.70    | .273    |         | .303    |
| Q          | 7.80        |         | 7.95    | .307    |         | .313    |
| Ø R        | 2.24        |         | 2.39    | .088    |         | .094    |
| S          |             |         | 0.18    |         |         | .007    |
| Ø T        |             | 3.05    |         |         | .120    |         |
| U          | 7.62        |         |         | 300     |         |         |

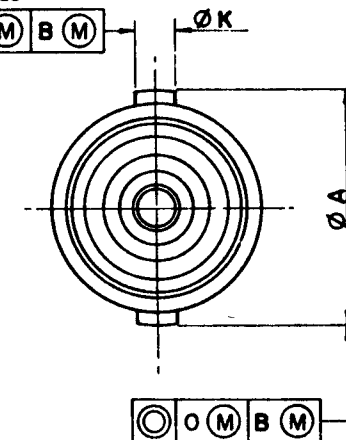
See note 1

See notes 1 and 2



2 Bayonet studs

$\equiv 0.013$   
(0.005") (M) B (M)



Note 1 Diameters B,C,D,E,F,G and H

$\text{C} \quad \text{Ø} \quad \text{O} \quad \text{M} \quad \text{J} \quad \text{M}$

Note 2 Gauging surfaces to be hardened / ground

Min 650 HV5 Surface texture  $\sqrt{0.4 \text{ G}}$   
(16)

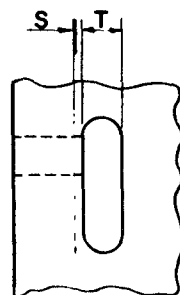
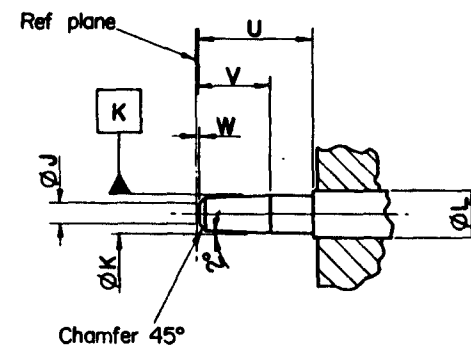
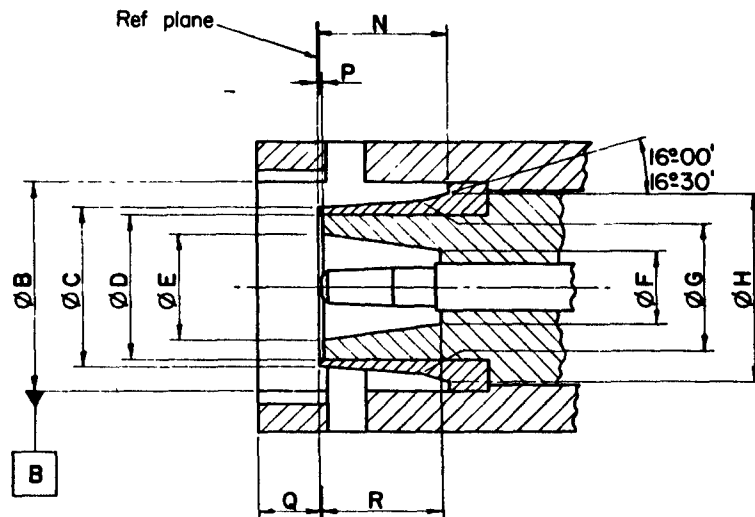
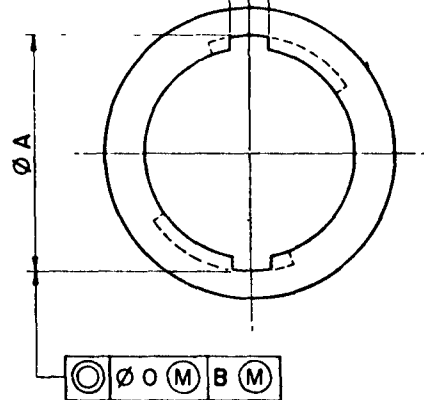
See note 1

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 15.42       |         | 15.44   | .607    |         | .608    |
| Ø B        | 13.780      |         | 13.792  | .5425   |         | .5430   |
| Ø C        | 12.29       |         | 12.32   | .484    |         | .485    |
| Ø D        | 11.15       |         | 11.18   | .439    |         | .440    |
| Ø E        | 4.90        |         | 4.93    | .193    |         | .194    |
| Ø F        | 6.99        |         | 7.01    | .275    |         | .276    |
| Ø G        | 9.563       |         | 9.576   | .3765   |         | .3770   |
| Ø H        | 10.434      |         | 10.439  | .4108   |         | .4110   |
| Ø J        | 2.342       |         | 2.350   | .0922   |         | .0925   |
| Ø K        | 2.527       |         | 2.540   | .0995   |         | .1000   |
| L          | 0.05        |         | 0.08    | .002    |         | .003    |
| M          | 4.72        |         | 4.85    | .186    |         | .191    |
| Rad N      | 0.05        |         | 0.13    | .002    |         | .005    |
| P          | 8.59        |         | 8.61    | .338    |         | .339    |
| Q          | 2.16        |         | 2.29    | .085    |         | .090    |
| R          | 0.48        |         | 0.51    | .019    |         | .020    |
| S          | 0.178       |         | 0.191   | .0070   |         | .0075   |
| T          | 7.85        |         | 7.87    | .309    |         | .310    |

Fig. 3 Compatibility gauge information to inspect mating face of connectors with Male centre contact (XX-02 Styles)

2 Grooves M wide

0.013  
(0005") (M) B (M)



Note 1 Diameters B, C, D, E, F, G, H and J

⊙ ⊙ (M) K (M)

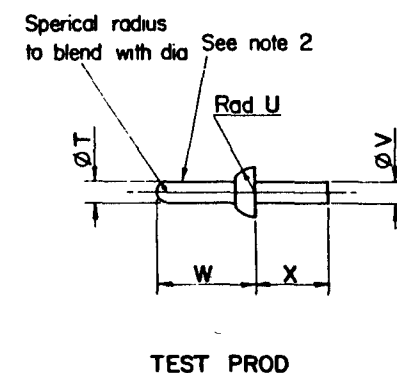
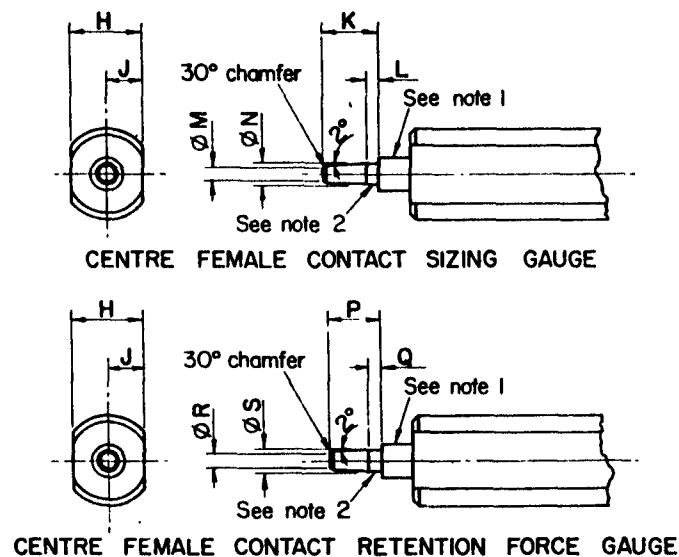
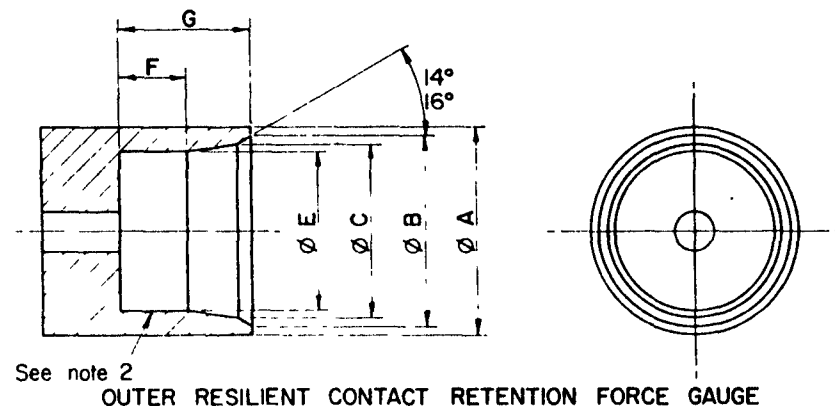
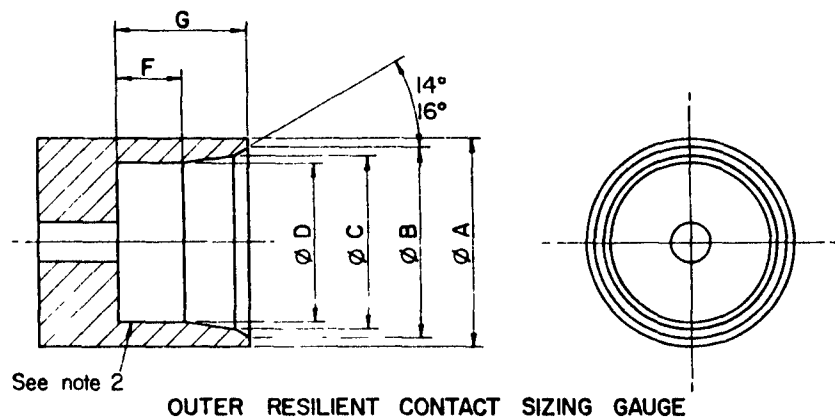
Note 2 Gauging surfaces to be hardened/ground

Min 650 HV5 Surface texture 0.4 (16) G

See note 1

| Ref Letter | Dimensions  |         |         |         |         |         |
|------------|-------------|---------|---------|---------|---------|---------|
|            | Millimetres |         |         | Inches  |         |         |
|            | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A        | 15.34       |         | 15.37   | 604     |         | 605     |
| Ø B        | 13.716      |         | 13.729  | 5400    |         | 5405    |
| Ø C        | 10.439      |         | 10.452  | 4110    |         | 4115    |
| Ø D        | 9.500       |         | 9.512   | 3740    |         | 3745    |
| Ø E        | 6.909       |         | 6.922   | 2720    |         | 2725    |
| Ø F        | 4.83        |         | 4.85    | 190     |         | 191     |
| Ø G        | 11.18       |         | 11.20   | 440     |         | 441     |
| Ø H        | 12.32       |         | 12.34   | 485     |         | 486     |
| Ø J        | 1.24        |         | 1.27    | 049     |         | 050     |
| Ø K        | 2.332       |         | 2.337   | 0918    |         | 0920    |
| Ø L        | 3.137       |         | 3.150   | 1235    |         | 1240    |
| M          | 2.477       |         | 2.489   | 0975    |         | 0980    |
| N          | 8.585       |         | 8.598   | 3380    |         | 3385    |
| P          | 0.178       |         | 0.191   | 0070    |         | 0075    |
| Q          | 3.86        |         | 3.99    | 152     |         | 157     |
| R          | 7.82        |         | 7.85    | 308     |         | 309     |
| S          | 0.46        |         | 0.48    | 018     |         | 019     |
| T          | 2.62        |         | 2.64    | 103     |         | 104     |
| U          | 7.82        |         | 7.85    | 308     |         | 309     |
| V          | 4.83        |         | 4.85    | 190     |         | 191     |
| W          | 0.05        |         | 0.08    | 002     |         | 003     |

Fig. 4 Compatibility gauge information to inspect mating face of connectors with Female centre contact (XX-03 Styles)



| Ref<br>Letter | Dimensions  |         |         |         |         |         |
|---------------|-------------|---------|---------|---------|---------|---------|
|               | Millimetres |         |         | Inches  |         |         |
|               | Minimum     | Nominal | Maximum | Minimum | Nominal | Maximum |
| Ø A           | 13.49       |         | 13.69   | .531    |         | .539    |
| Ø B           | 12.32       |         | 12.57   | .485    |         | .495    |
| Ø C           | 11.18       |         | 11.43   | .440    |         | .450    |
| Ø D           | 10.434      |         | 10.439  | .4108   |         | .4110   |
| Ø E           | 10.536      |         | 10.541  | .4148   |         | .4150   |
| F             |             | 4.32    |         |         | .170    |         |
| G             | 8.43        |         | 8.58    | .332    |         | .338    |
| H             |             | 9.53    |         |         | .375    |         |
| J             |             | 4.75    |         |         | .187    |         |
| K             | 7.77        |         | 7.82    | .306    |         | .308    |
| L             | 3.00        |         | 3.02    | .118    |         | .119    |
| Ø M           | 1.22        |         | 1.27    | .048    |         | .050    |
| Ø N           | 2.337       |         | 2.342   | .0920   |         | .0922   |
| P             | 6.78        |         | 6.83    | .267    |         | .269    |
| Q             | 1.45        |         | 1.47    | .057    |         | .058    |
| Ø R           | 1.09        |         | 1.14    | .043    |         | .045    |
| Ø S           | 2.286       |         | 2.291   | .0900   |         | .0902   |
| Ø T           | 2.286       |         | 2.291   | .0900   |         | .0902   |
| Rad U         |             | 3.18    |         |         | .125    |         |
| Ø V           | 2.350       |         | 2.362   | .0925   |         | .0930   |
| W             | 12.70       |         | 12.75   | .500    |         | .502    |
| X             | 9.27        |         | 9.40    | .365    |         | .370    |

Note 1 Shank diameter and length to be such as to permit unrestricted access of gauge

Note 2 Gauging surfaces to be hardened / ground

Min 650 HV5 Surface texture  $\sqrt{0.2 \text{ G}}$   
(8)

Note 3 Mass of contact retention force gauges—  
Outer contact -  $5 \text{ kg} \pm 10 \text{g}$  Centre contact -  $150 \text{g} \pm 1 \text{g}$

Fig. 5 Sizing, retention gauges and test prod for type C connectors - Resilient contacts.

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