

INCH-POUND

MIL-DTL-55074/1B  
12 August 2003  
SUPERSEDING  
MIL-C-55074/1A(EL)  
6 September 1977

### DETAIL SPECIFICATION SHEET

### CONNECTOR, PLUG, TELEPHONE, ELECTRICAL

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-C-55074.

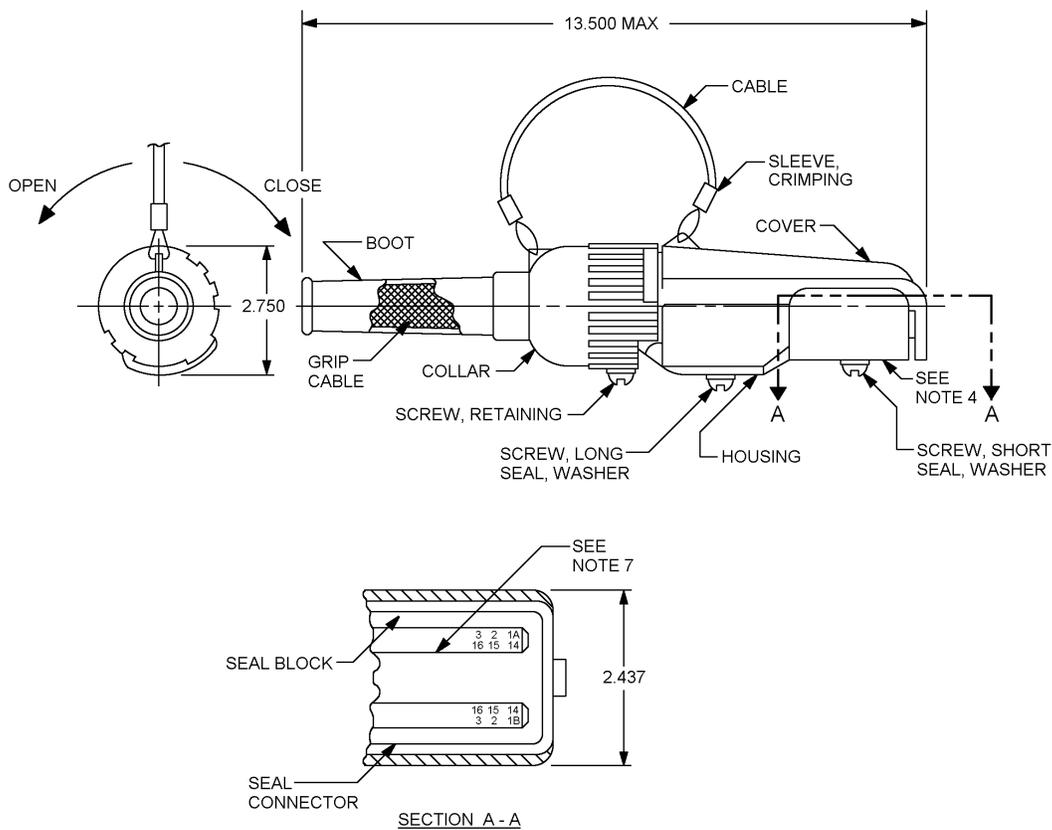


FIGURE 1. Connector plug.

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Inches	mm
2.437	61.90
2.750	69.85
13.500	342.90

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .015$  (.38 mm).
4. Marking to appear in area shown. Marking to consist of manufacturer's name or CAGE code, CONN. PLUG ELEC., U-185B/G (M55074/1), molded in characters approximately .187 inch (4.75mm) high.
5. This connector will mate with itself MIL-DTL-55074/1 (U-185B/G), and connectors MIL-DTL-55074/2, (U-186C/G), and MIL-DTL-55074/3 (U-187A/G).
6. Turning cable end of connector to left unlocks cover for mating; turning to right locks cover. (See applicable end view, page 1).
7. See MIL-DTL-55074/4 for contact assembly specifications.
8. M55074/1 also represents U-185B/G where applicable in MIL-C-55074.
9. Connector shall be manufactured in accordance with drawing number SC-DL-173805.
10. Connector must conform to the interchangeability requirements of gage number SC-GL-57996.

FIGURE 1. Connector plug – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material:

Housing – Aluminum, commercial alloy 380 in accordance with SAE-AMS-QQ-A-591, finish in accordance with MIL-F-14072.

Collar – Aluminum, commercial alloy 380 in accordance with SAE-AMS-QQ-A-591, finish in accordance with MIL-F-14072.

Cover – Aluminum, commercial alloy 380 in accordance with SAE-AMS-QQ-A-591, finish in accordance with MIL-F-14072.

Boot – Silicone rubber, class 3, grade 50 in accordance with A-A-59588.

Seal, block – Low temperature neoprene, M3BA507F19 in accordance with ASTM D2000, or equal.

Seal, connector – Silicone rubber, class 2B, grade 40, in accordance with A-A-59588.

Seal, washer – Stat-O-seal, aluminum 7375-T6 (anodized) in accordance with SAE-AMS-QQ-A-250/12, rubber in accordance with MIL-R-6855, class 1, 2 or 3.

Grip cable – 7 wires (.010) stranded to .032 diameter in accordance with ASTM A580/A 580M (9 inch cut length).

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Sleeve, crimping – Copper, zinc plated.

Screw – Pan head, slotted #6-32 NC x .500 lg in accordance with FF-S-92.

Screw – Slotted, retaining, #10-32NF-2A, special, E300 in accordance with MIL-F-14072.

Screw – Pan head, slotted #6-32 NC x .875 lg in accordance with FF-S-92.

Part or Identifying Number (PIN): M55074/1-01.

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

CONCLUDING MATERIAL

Custodians:  
Army - CR  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4437-001)