

INCH-POUND

MIL-DTL-55074/3C
28 April 2015
SUPERSEDING
MIL-DTL-55074/3B
12 August 2003

DETAIL SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, 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-DTL-55074.

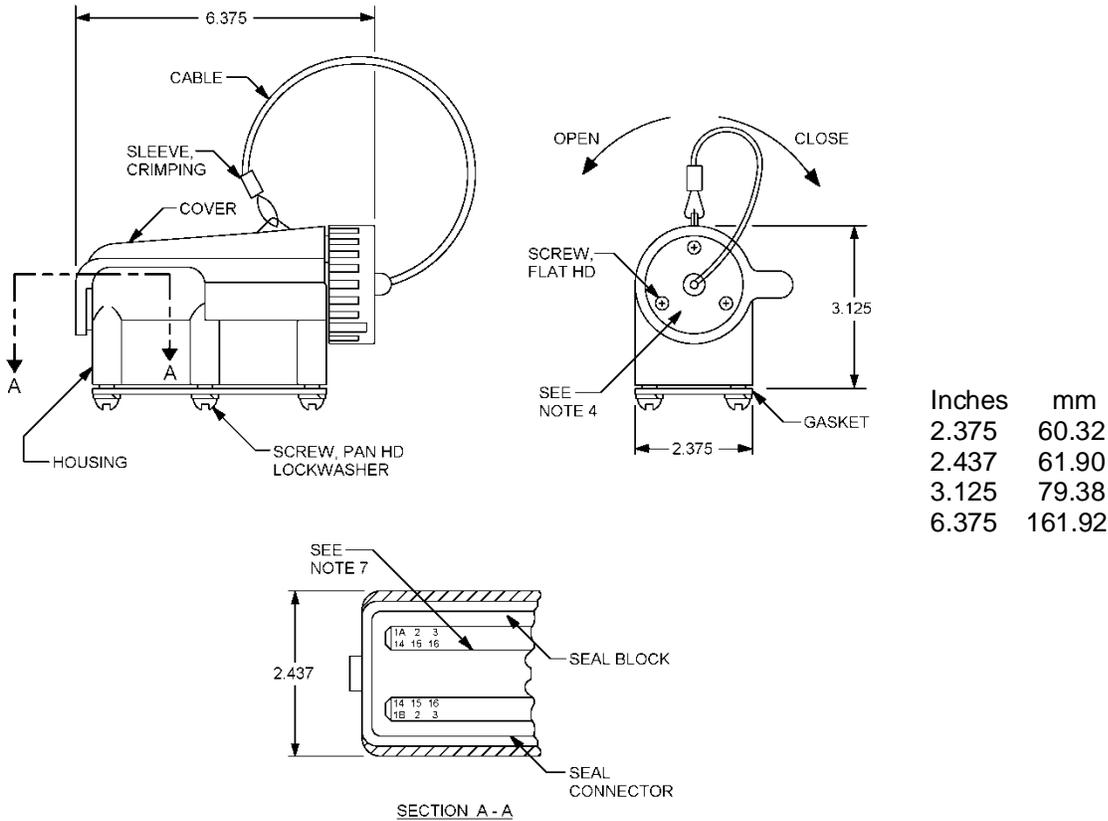
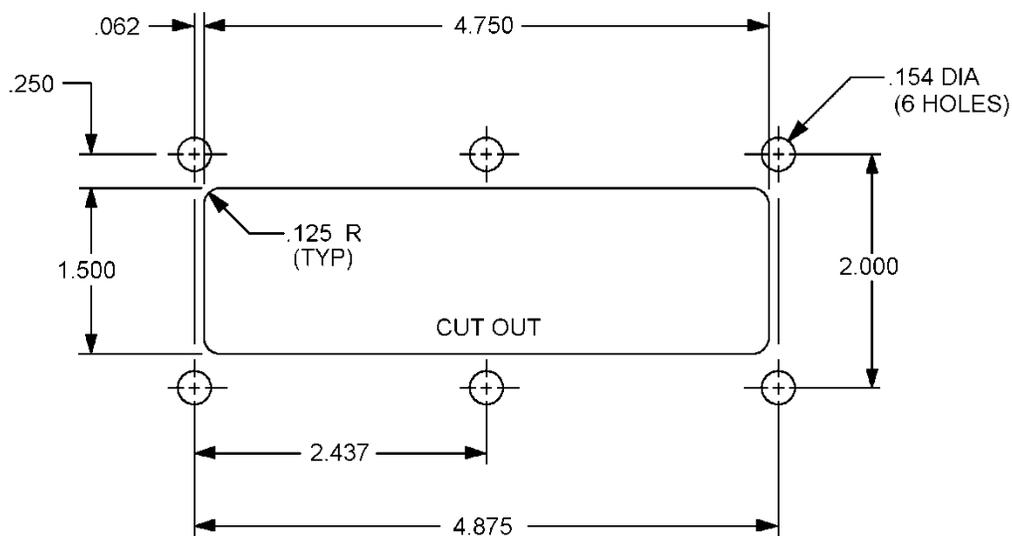


FIGURE 1. Connector receptacle.



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CONNECTOR MOUNTING HOLE PATTERN

Inches	mm
.062	1.57
.125	3.18
.154	3.91
.250	6.35
1.500	38.10
2.000	50.80
2.437	61.90
4.750	120.65
4.875	123.82

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .015$ inch (0.38 mm).
4. Marking to appear in area shown. Marking to consist of manufacturer's name or CAGE code, CONN. RECP. ELEC., U-187A/G (M55074/3), molded in characters approximately .125 inch (3.18mm) high.
5. This connector mates with MIL-DTL-55074/1 (U-185B/G).
6. Turning collar lock 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. M55074/3 represents U-187A/G where applicable in MIL-DTL-55074.
9. Connector shall be manufactured in accordance with drawing number SC-DL-173820.
10. Connector must conform to the interchangeability requirements of gage number SC-GL-57997.

FIGURE 1. Connector receptacle – Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

Material:

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

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

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

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

Gasket – Neoprene.

Cable – .062 diameter, 7 wires (.010) stranded x 7 to .032 diameter in accordance with ASTM-A580/A580M (9 inch cut length). Corrosion resistant steel, in accordance with MIL-DTL-83420.

Screw, machine pan head, slotted - #8-32 NC x .625 lg in accordance with MS51957-46.

Washer, lock, split, – #8 size, in accordance with NASM35338. Cadmium-free and hexavalent chromium –free.

Sleeve, crimping – Copper, zinc plated. Non-hexavalent chromium passivate.

Screw, machine, flat – Countersunk head, cross-recessed, #6-32 NC .312 lg., NASM51959-24.

Part or Identifying Number (PIN): M55074/3-01.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Referenced documents. In addition to MIL-DTL-55074, this document references the following:

MIL-DTL-14072	ASTM-D2000
MIL-DTL-55074/1	NASM35338
MIL-STD-55074/4	NASM51959-24
MIL-DTL-83420	SAE-AMS-QQ-A-591
MS51957	SC-DL-173820
A-A-59588	SC-GL-57997
ASTM-A580/A580M	

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CONCLUDING MATERIAL

Custodians:
Army - CR
DLA – CC

Preparing activity:
DLA - CC

(Project: 5935-2015-145)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.