

INCH-POUND  
MIL-DTL-2726/54B  
31 August 2005  
SUPERSEDING  
MIL-R-2726/54A(SH)  
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 3-PIN GROUNDED, 10-AMPERE,  
450-VOLT, 400 HERTZ, SINGLE PHASE (SYMBOL NO. 1259)

Inactive for new design after 28 June 1999

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 sheet and MIL-DTL-2726.

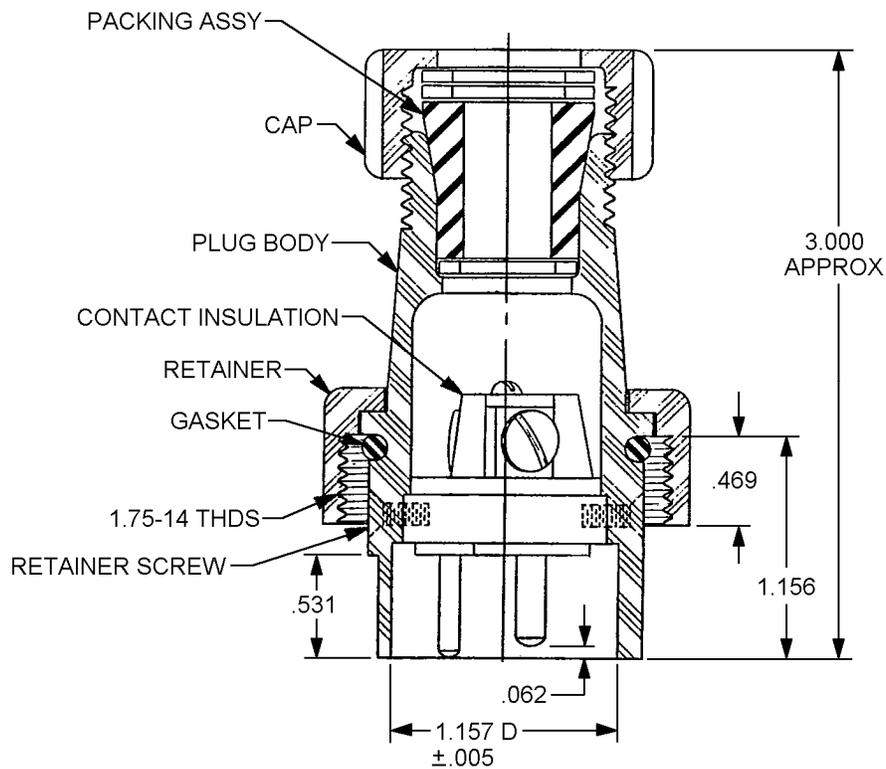
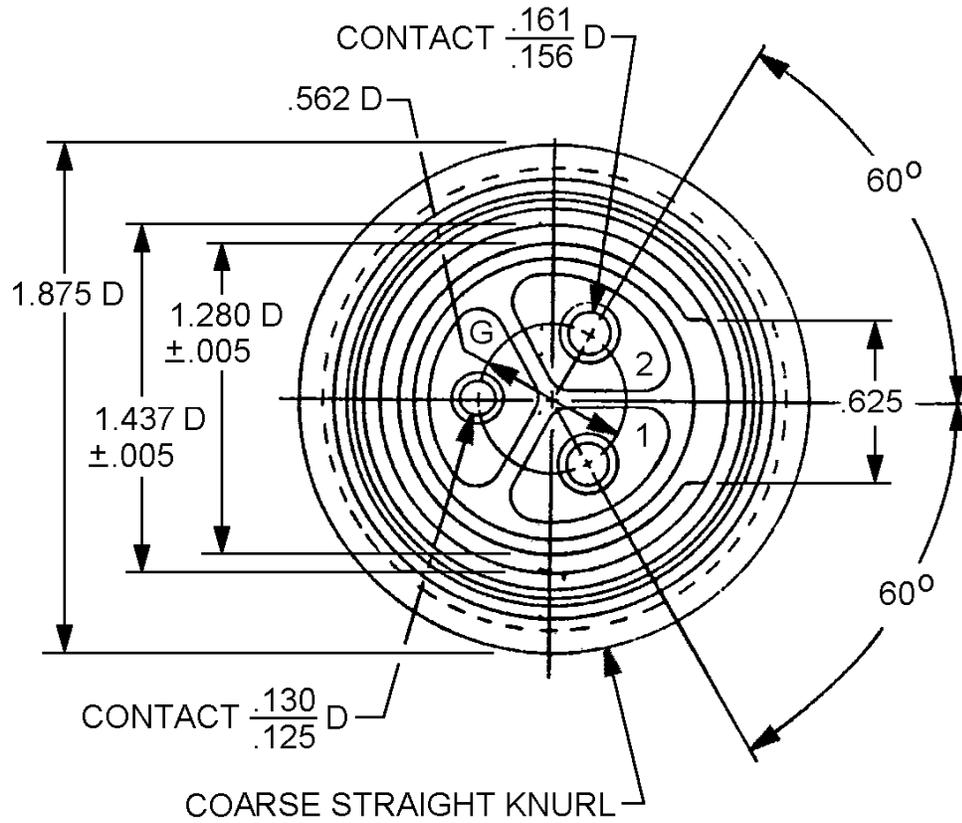


FIGURE 1. Dimensions and configurations.



Inches	mm
.005	0.13
.062	1.57
.125	3.18
.130	3.30
.156	3.96
.161	4.09
.469	11.91
.531	13.49
.562	14.27
.625	15.88
1.156	29.36
1.157	29.38
1.280	32.51
1.437	36.50
1.75	44.5
1.875	47.63
3.000	76.20

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are  $\pm .016$  (0.41mm) and  $\pm 0^\circ 30'$  on angles.

FIGURE 1. Dimensions and configurations - Continued.

## MIL-DTL-2726/54B

### REQUIREMENTS

Dimensions and configurations: See figures 1 and 2.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.

Strain relief: 20 pounds.

Material: Plug body and retainer – polycarbonate (black).  
Contact insulation – in accordance with type MAI-60 of ASTM-D5948.  
O-Ring – SAE-AS28775-217.

Contact hardness: Minimum of Rockwell 80F.

Packing assembly: MIL-S-19622/18, PIN: M19622/18-0018.

Mating receptacle: MIL-DTL-2726/59, PIN M2726/59-001.

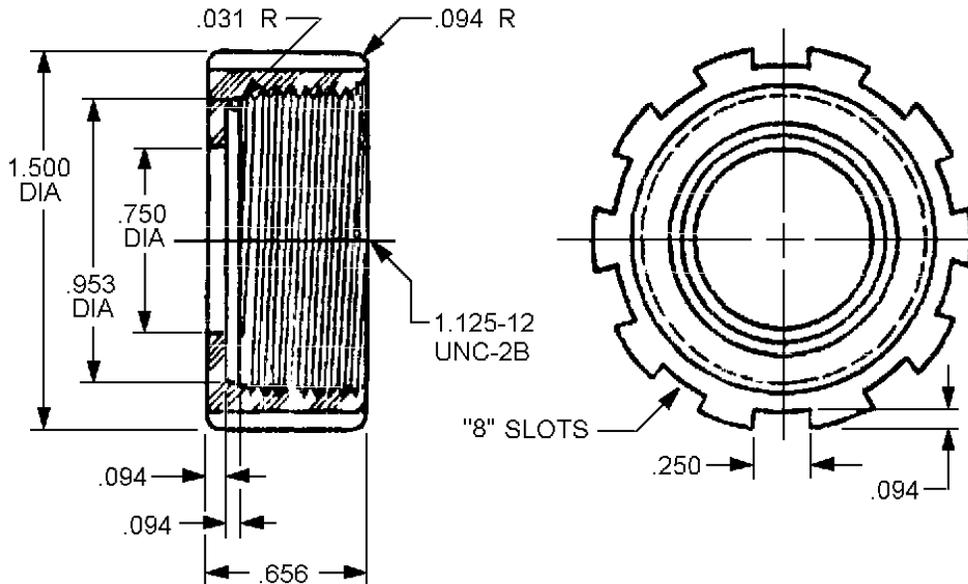
Test cable: In accordance with MIL-DTL-24643/3.

Assembly: Tapping of insulation (inserts not required) for assembly with plug body for two flat head polyamide screws is permitted.

PIN: M2726/54-001.

Electrical rating: 10-ampere, 450-volt, alternating current, 400-hertz.

Cap: Shall be provided (see figure 2).



Inches	mm
.031	0.79
.094	2.39
.656	16.66
.750	19.05
.953	24.21
1.125	28.58
1.500	38.10

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are  $\pm .010$  (0.25 mm) per linear inch, whichever is greater.
4. Angular dimensions are  $\pm 0^{\circ}30'$ .
5. Threads as specified in FED-STD-H28/2.
6. Marking Part or Identifying Number (PIN): M19622/10-0003 Tube size and manufacturer's logo or name in .125 inch high raised letters on face of cup (see MIL-S-19622).

FIGURE 2. Plug insulation cap.

## VERIFICATION

Verification shall be as specified in MIL-DTL-2726 and table I herein. The first article and conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and conformance inspection.

Inspection	First article	Conformance
Examination	X	X
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Contact resistance	X	X
Endurance	X	
Salt spray	X	
Contact resistance	X	
Current load	X	
Vibration	X	
Shock	X	
Effectiveness of enclosure	X	X
Dielectric withstanding voltage	X	
Mechanical abuse	X	
Ball drop impact	X	
Strain relief	X	
Rockwell hardness	X	

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

Referenced documents. In addition to MIL-DTL-2726, this document references the following:

ASTM-D5948  
 FED-STD-H28/2  
 MIL-DTL-2726/59  
 MIL-S-19622  
 MIL-S-19622/18  
 MIL-DTL-24643/3  
 MIL-STD-108

MIL-DTL-2726/54B

CONCLUDING MATERIAL

Custodians:

Army - CR

DLA - CC

Navy - SH

Preparing activity

DLA - CC

(Project 5935-4734-000)

Review activities:

Army – AV, MI

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 <http://assist.daps.dla.mil>.