

INCH-POUND
MIL-DTL-2726/24C
01 September 2006
SUPERSEDING
MIL-R-2726/24B(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, CONNECTOR, 25 - AMPERE,
500 - VOLT, 3 - PHASE GROUNDED (SYMBOL NO. 707.1)

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.

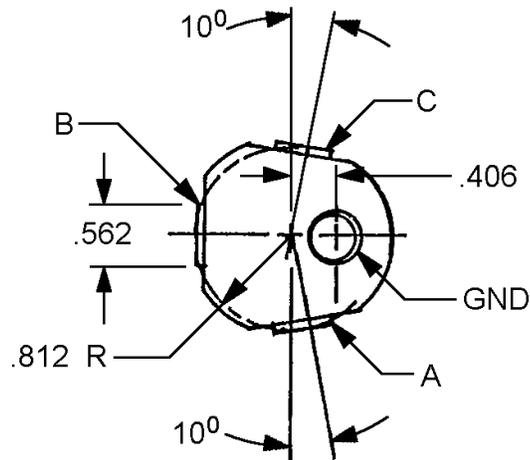
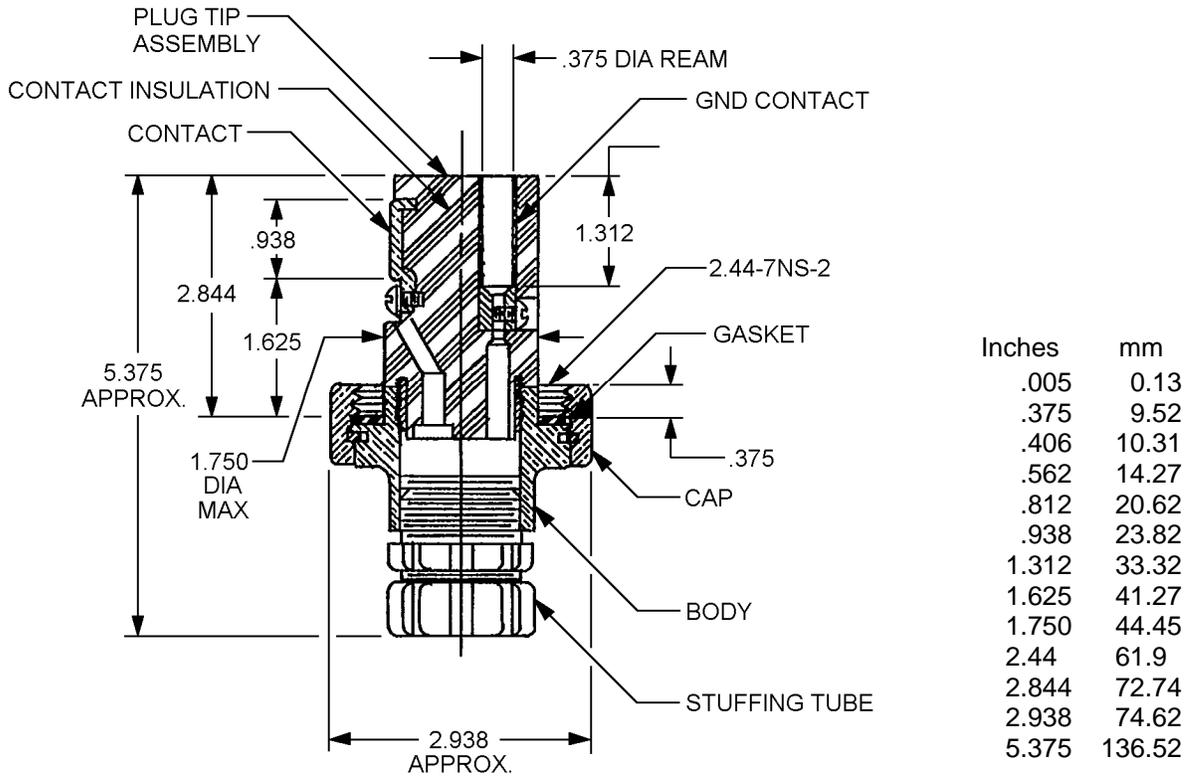


FIGURE 1. Plug assembly.

MIL-DTL-2726/24C



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 $\pm .5^\circ$ on angles.
4. Supersedes: Drawing 9-S-4861-L, symbol 707.
5. Part or Identifying Number (PIN), M2726/24-001 use for replacement only.

FIGURE 1. Plug assembly - Continued.

MIL-DTL-2726/24C

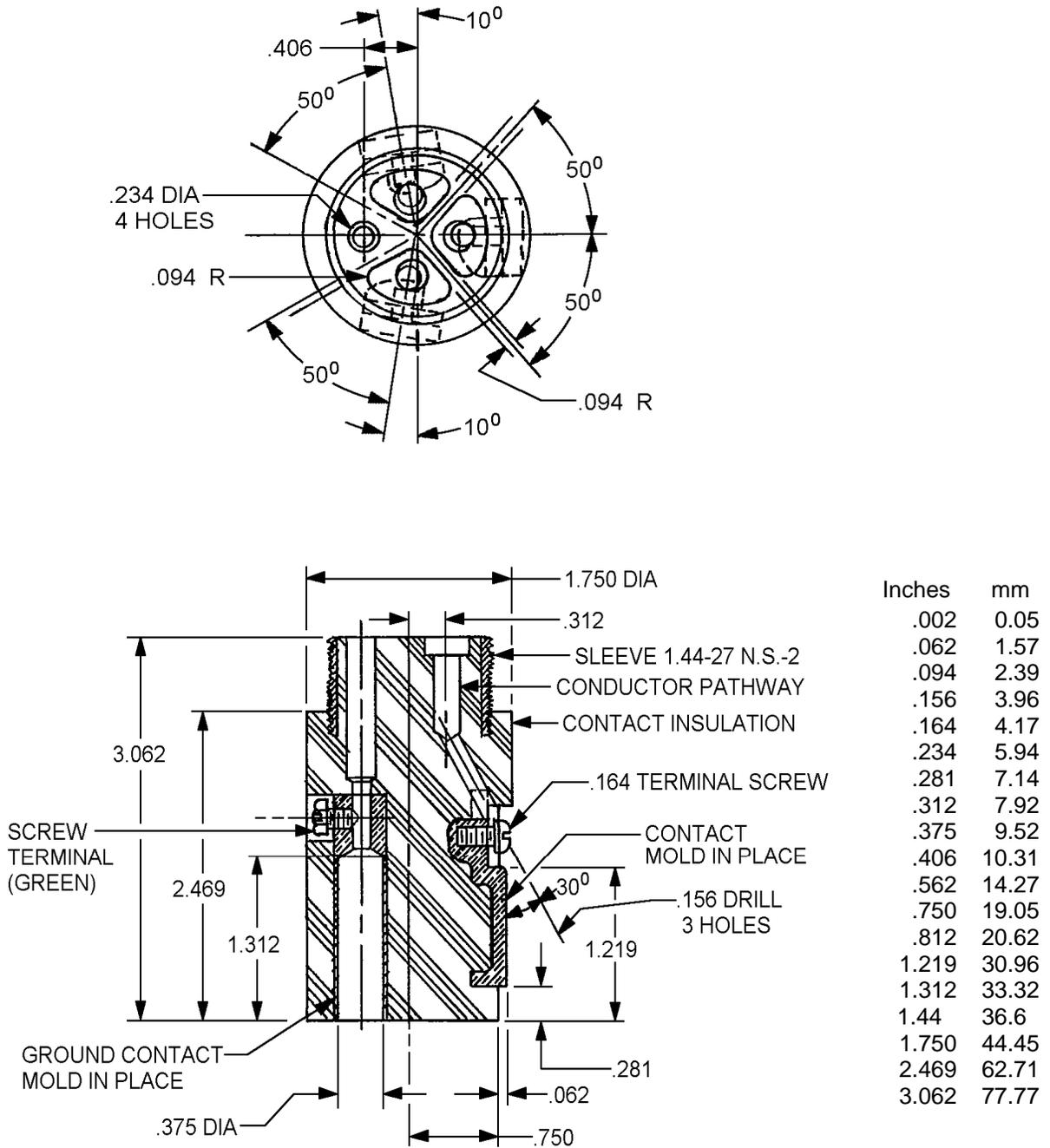
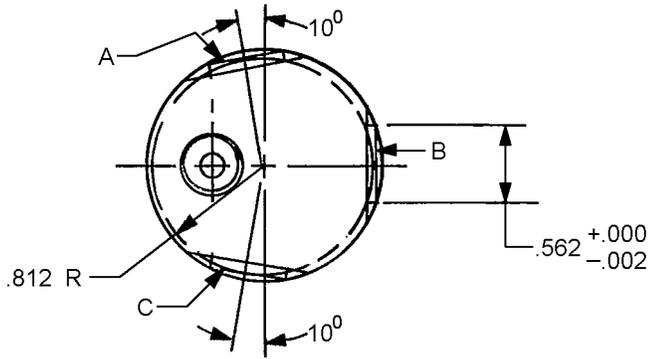


FIGURE 2. Plug tip assembly.

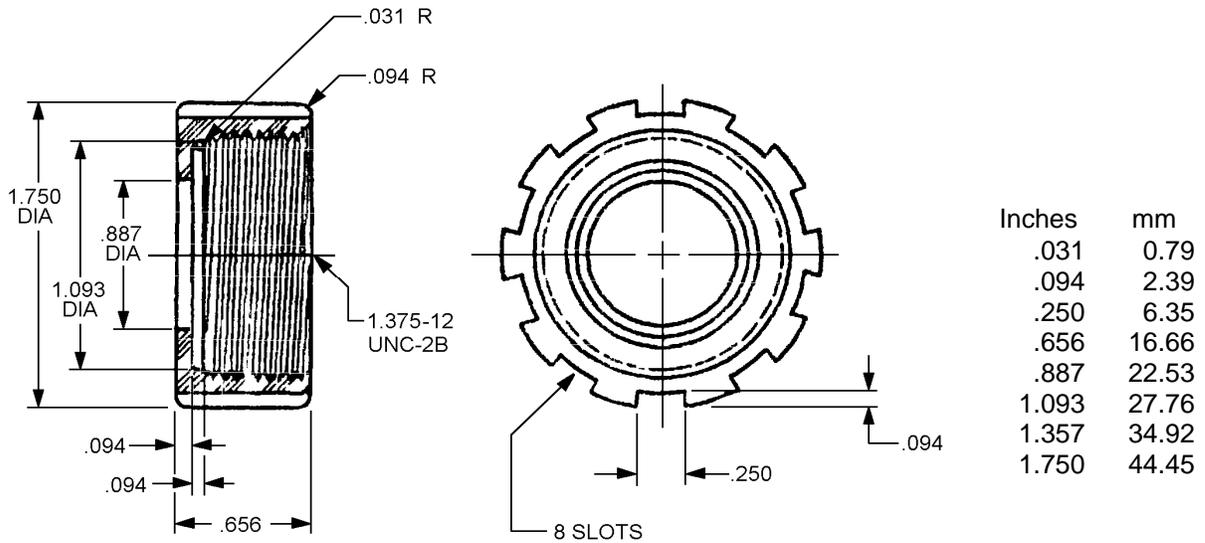
MIL-DTL-2726/24C



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 $\pm .5^\circ$ on angles.

FIGURE 2. Plug tip assembly - Continued.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .010$ (0.25mm) per linear inch, whichever is greater.
4. Angular dimensions are $\pm 0^\circ 30'$.
5. Tube size 4T.
6. Marking PIN: M19622/3-004.

FIGURE 3. Stuffing tube, cap.

MIL-DTL-2726/24C

REQUIREMENTS

Dimensions and configurations: See figures 1, 2 and 3.

Effectiveness of enclosure: Submersible (15-foot) in accordance with MIL-STD-108 when coupled with mating receptacle.

Strain relief: 30-pounds.

Material: Body and cap brass.

Contact copper or copper alloy, minimum of Rockwell 80F.

Ground contact – brass.

Contact insulation in accordance with ASTM-D5948 type GPI-100.

Stuffing tube: MIL-S-19622/3, PIN M19622/3-004.

Packing assembly: MIL-S-19622/19, PIN M19622/19-0005 is inactive for new design and is no longer used, except for replacement purposes. For future use should be made under ASTM-F1836M.

Mating receptacles: MIL-DTL-2726/44, PIN M2726/44-001 and MIL-DTL-2726/25, PIN M2726/25-001.

Test cable: MIL-DTL-24643 and MIL-DTL-24643/3.

Design: Binding head screws may be used. Individual pathways through the contact insulation shall be provided to each contact of ample size to accept the insulated conductors.

Electrical rating: 25-ampere, 500-volt, alternating current, 60-hertz.

PIN: M2726/24-001.

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.

MIL-DTL-2726/24C

TABLE I. First article and quality 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	
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 extent of the changes.

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

- ASTM-D5948
- ASTM-F1836M
- MIL-DTL-2726/25
- MIL-DTL-2726/44
- MIL-DTL-24643
- MIL-DTL-24643/3
- MIL-S-19622/3
- MIL-S-19622/19
- MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-017)

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>.