

INCH-POUND
MIL-DTL-2726/2C
14 February 2006
SUPERSEDING
MIL-R-2726/2B(SH)
3 July 1986

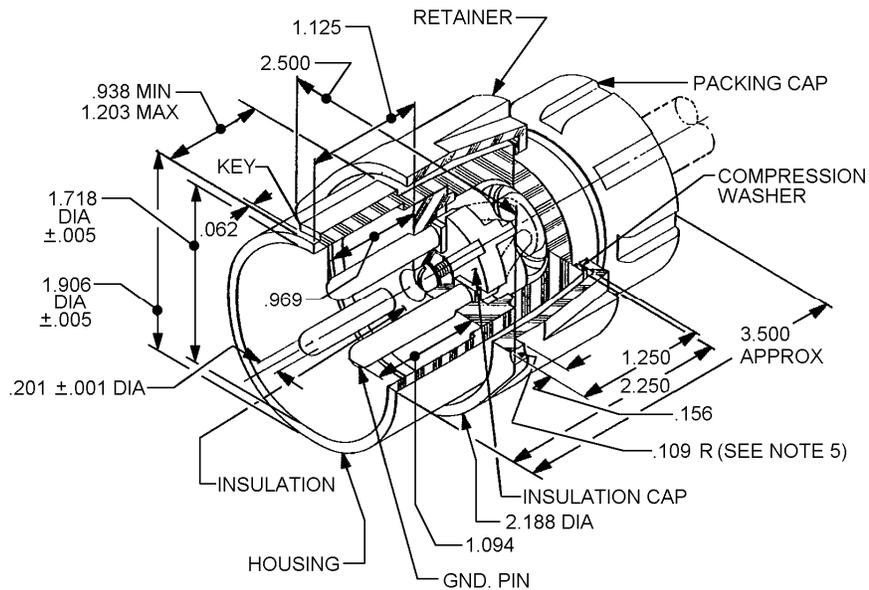
DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 3 - PIN GROUNDED,
50 - AMPERE, 250 - VOLT, DIRECT CURRENT (SYMBOL NO. 716.1)

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.



SH 9072

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 9000-S6202-73882, pc 29, symbol 716.
5. See detail "A" on MIL-DTL-2726/13.

FIGURE 1. Dimensions and configurations.

MIL-DTL-2726/2C

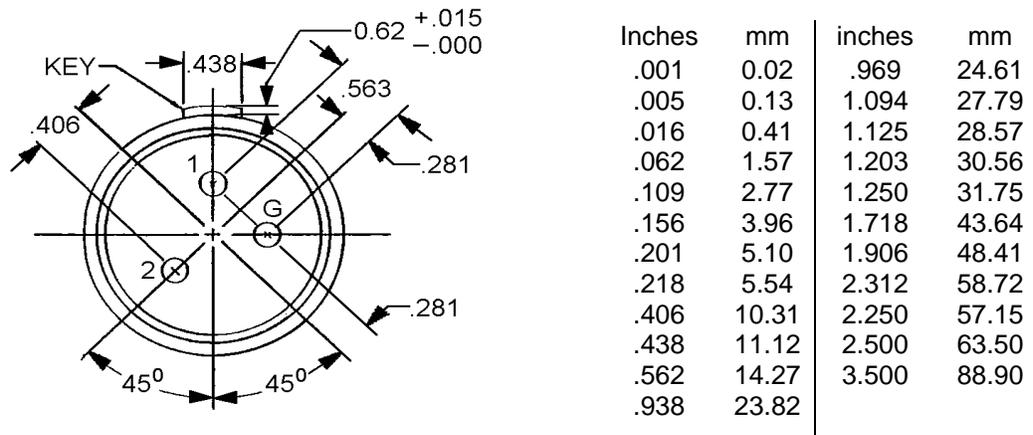
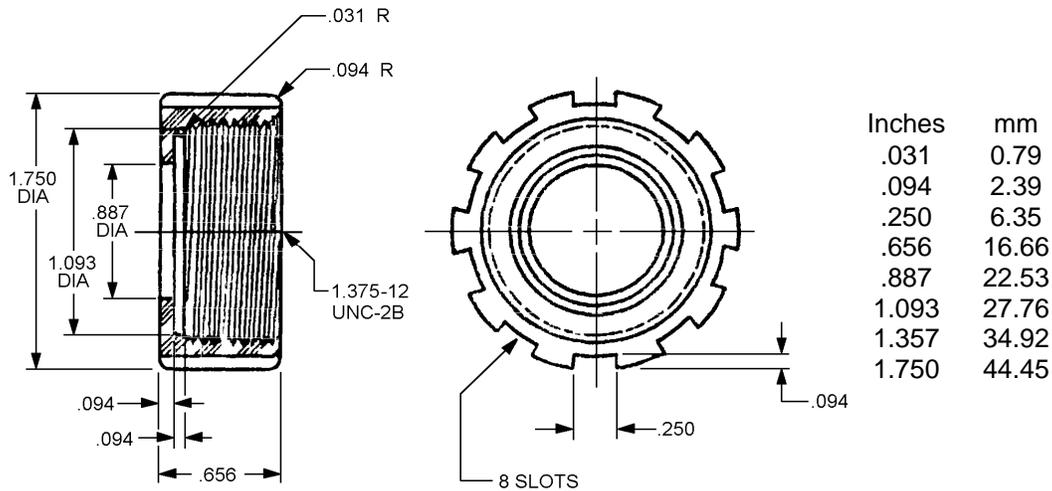


FIGURE 1. Dimensions and configurations - Continued.



SH 12723

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. Threads as specified in FED-STD-H28/2.
6. Tube size 4T.
7. Marking: Part or Identifying Number (PIN), tube size and manufacturer's logo or name .125 inch high raised letters on face of cup (see ASTM-F1836M).

FIGURE 2. Packing cap.

MIL-DTL-2726/2C

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: 30 pounds.

Material: Housing and retainer polyamide (nylon)
Plug insulation and cap in accordance with ASTM-D5948 type MAI-60.
Compression washer beryllium copper (spring grade).

Contact hardness: Minimum of Rockwell 80F.

Packing assembly: MIL-S-19622/19, PIN M19622/19-0007 is inactive for new design and is no longer used, except for replacement purposes. For future use should be made in accordance with ASTM-F1836M.

Mating receptacle: In accordance with MIL-DTL-2726/8, PIN M2726/8-001 or PIN M2726/8-002.

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

Assembly: Tapping of insulation (inserts not required) for assembly with housing is permitted.

Packing cap: See figure 2.

PIN: M2726/2-001.

Electrical rating: 50 - amperes, 250 - volt, direct current.

Contact finish: Silver plate.

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-2726/2C

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 extent of the changes.

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

- ASTM-D5948
- ASTM-F1836M
- FED-STD-H28/2
- MIL-DTL-24643
- MIL-DTL-24643/3
- MIL-DTL-2726/8
- MIL-DTL-2726/13
- MIL-S-19622/19
- MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-002)

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>.