

INCH-POUND

MIL-DTL-2726/5C
13 May 2005
SUPERSEDING
MIL-R-2726/5B(SH)
3 July 1986

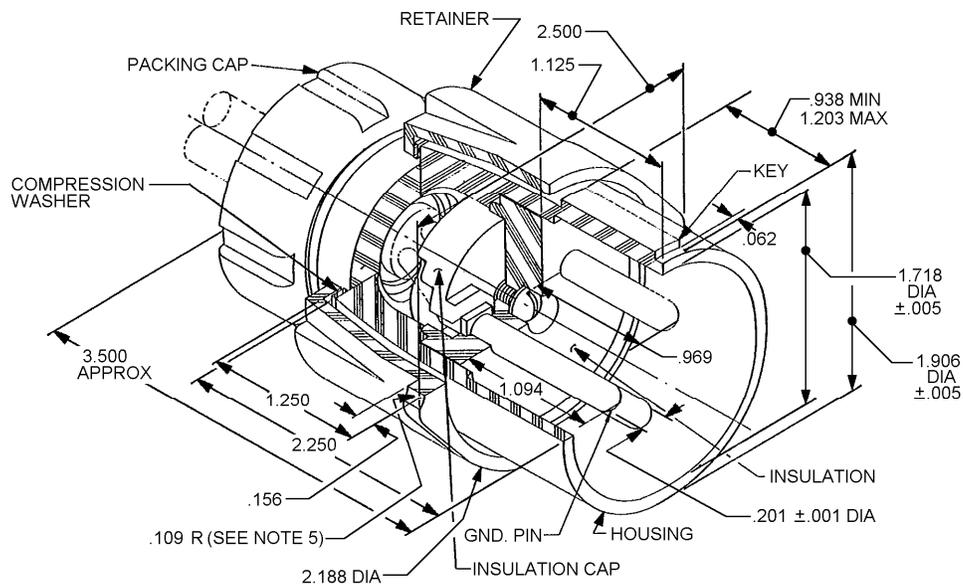
DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 3-PIN GROUNDED, 40 - AMPERE,
450 - VOLT, ALTERNATING CURRENT (SYMBOL NO. 1140.1)

Reactivated after 13 May 2005 and may be used for
new and existing designs and acquisitions.

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.



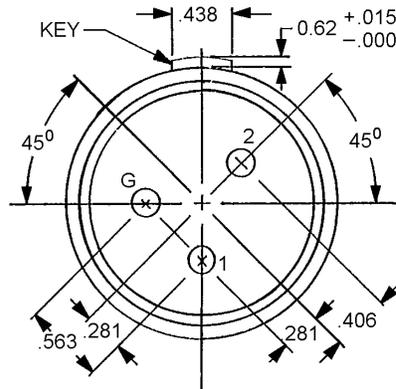
SH 9075A

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 9000-6202-73882, pc. 55, symbol 1140.
5. See Detail "A" on MIL-DTL-2726/13.

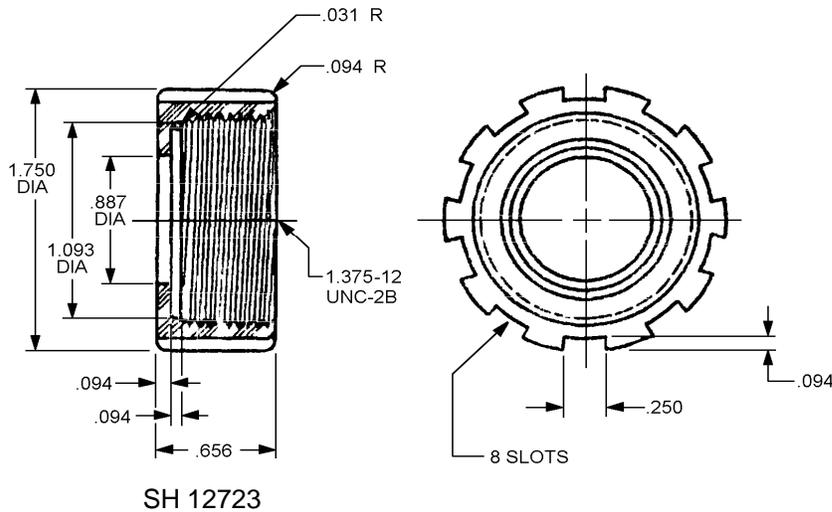
FIGURE 1. Dimensions and configurations.

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Inches	mm	Inches	mm
.001	0.02	.969	24.61
.005	0.13	1.094	27.79
.016	0.41	1.125	28.57
.062	1.57	1.203	30.56
.109	2.77	1.250	31.75
.156	3.96	1.718	43.64
.201	5.10	1.906	48.41
.281	7.14	2.188	55.57
.406	10.31	2.250	57.15
.438	11.12	2.500	62.50
.562	14.27	3.500	88.90
.938	23.82		

FIGURE 1. Dimensions and configurations - Continued.



Inches	mm
.031	0.79
.094	2.39
.250	6.35
.656	16.66
.887	22.53
1.093	27.76
1.357	34.92
1.750	44.45

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: Military PIN tube size and manufacturer's logo or name in .125 inch high raised letters on face of cup (see MIL-S-19622).

FIGURE 2. Packing cap.

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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 type MAI-60 of ASTM-D5948.

Contact hardness: Minimum of Rockwell 80F.

Packing assembly: MIL-S-19622/19(SH) Part or Identifying Number (PIN) M19622/19-0007 is inactive for new design and is no longer used, except for replacement purposes. For future use should be made under ASTM-F1836M, (not furnished).

Mating receptacle: MIL-DTL-2726/11, PIN M2726/11-001 or PIN M2726/11-002 (not furnished).

Test cable: In accordance with MIL-DTL-24643 and MIL-DTL-24643/3 (not furnished).

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

Packing cap: To be furnished, see figure 2.

PIN: M2726/5-001.

Electrical rating: 40-ampere, 450-volt, alternating current, 60-hertz.

Contact finish: Silver plate.

QUALITY ASSURANCE

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

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TABLE I. First article and quality conformance inspection.

Inspection	First article	Quality 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-2726/11
- MIL-DTL-2726/13
- MIL-S-19622
- MIL-S-19622/19
- MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-004)

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>.