

INCH-POUND

MIL-DTL-2726/7B
14 February 2006
SUPERSEDING
MIL-R-2726/7A(SH)
3 July 1986

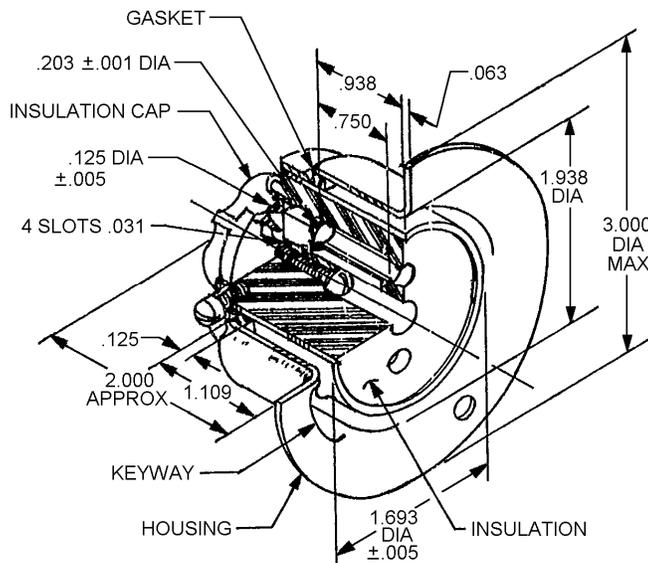
DETAIL SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 2-PIN, 40-AMPERE,
125-VOLT, DIRECT CURRENT (SYMBOL NOS. 756.1 AND 756.2)

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.



Inches	mm
.001	0.02
.016	0.41
.031	0.79
.062	1.57
.125	3.17
.203	5.16
.406	10.31
.750	19.05
.938	23.82
1.109	28.17
1.693	43.00
1.938	49.22
2.000	50.80
3.000	76.20

SH 9077

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 7, symbol 756.

FIGURE 1. Receptacle (metal housing and shell).

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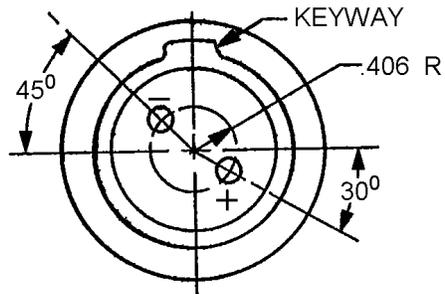
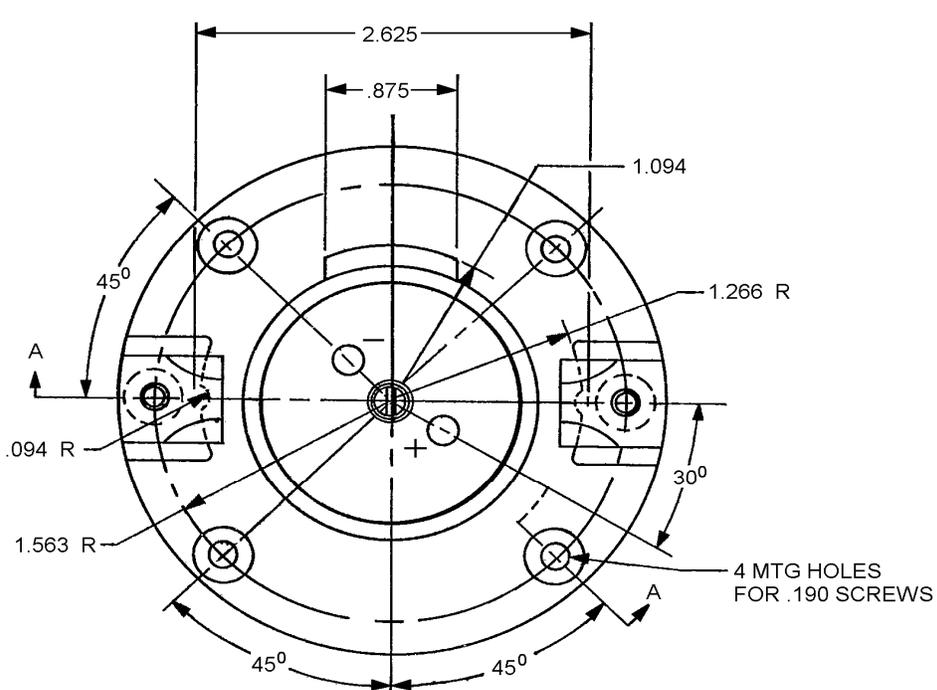


FIGURE 1. Receptacle (metal housing and shell) - Continued.



Inches	mm
.016	0.41
.078	1.98
.094	2.39
.125	3.17
.141	3.58
.188	4.77
.190	4.83
.375	9.52
.688	17.47
.875	22.22
1.094	27.79
1.109	28.17
1.266	32.16
1.562	39.67
1.691	42.95
1.695	43.05
1.927	48.95
1.947	49.45
2.625	66.67
3.625	90.07

SH 9078

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. Receptacle (plastic) body.

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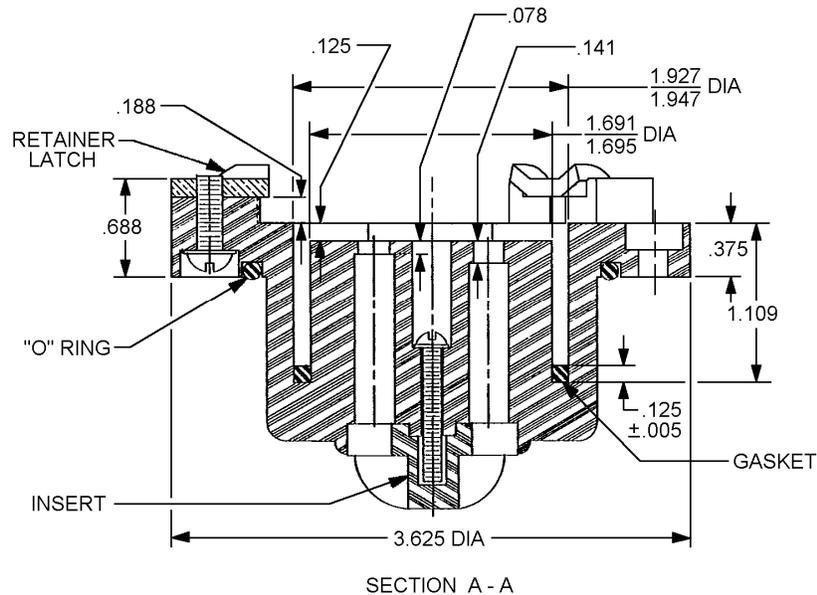


FIGURE 2. Receptacle (plastic) body - Continued.

REQUIREMENTS

Dimensions and configurations: See figures 1 and 2.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when mounted in a suitable enclosure.

Material: Housing optional polyamide (nylon) or metal.
 Receptacle insulation and cap in accordance with ASTM-D5948 type MAI-60.
 Contact in accordance with ASTM-B441 copper alloy number 175, HT temper.

Contact hardness: Minimum of Rockwell 80F.

Mating plug: MIL-DTL-2726/1, Part or Identifying Number (PIN): M2726/1-001.

Cap assembly: MIL-DTL-2726/13, PIN M2726/13-001.

Design: Plastic housing and insulation may be a one piece molded unit.

Gasket: Neoprene, commercial (COML), durometer number 20. Lubricate with silicon compound.

O-ring: As specified in SAE-AS28775, PIN 229.

Electrical rating: 40-ampere, 125-volt, direct current.

PIN: M2726/7-001 (metal housing and shell). PIN M2726/7-002 (plastic body).

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.

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	
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-B441
 MIL-DTL-2726/1
 MIL-DTL-2726/13
 MIL-STD-108
 SAE-AS28775

CONCLUDING MATERIAL

Custodians:
 Navy - SH
 DLA - CC

Preparing activity
 DLA - CC

(Project 5935-4617-006)

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>.