

INCH-POUND

MIL-DTL-2726/9B
14 February 2006
SUPERSEDING
MIL-R-2726/9A(SH)
3 July 1986

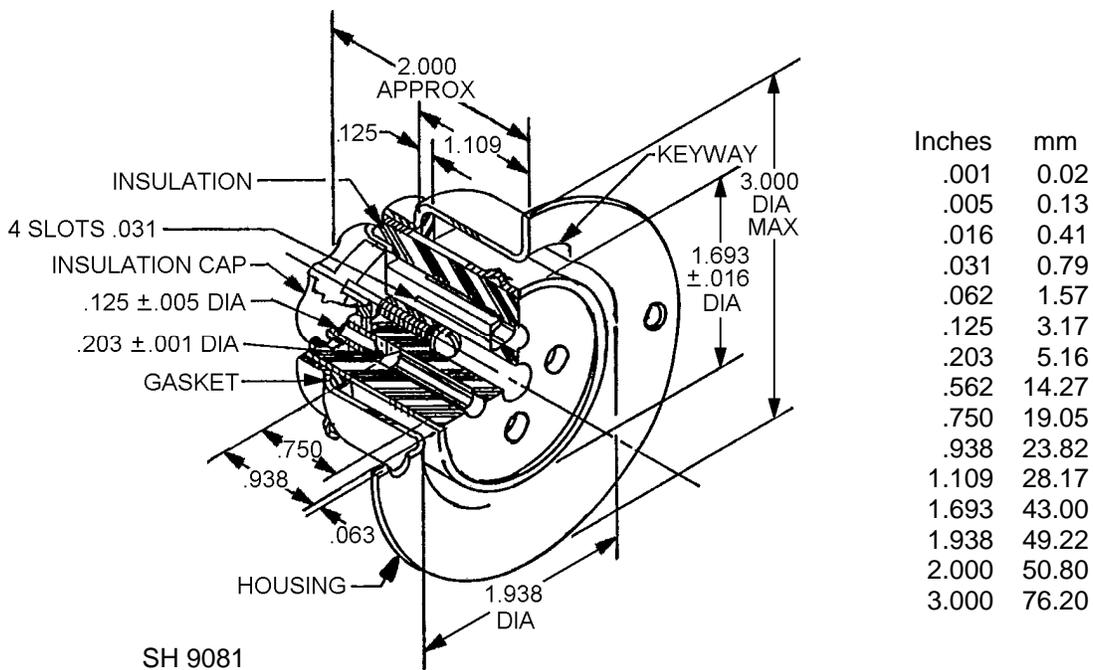
DETAIL SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 4 - PIN GROUNDED, 40 - AMPERE, 450 - VOLT,
ALTERNATING CURRENT (SYMBOL NOS. 758.1 AND 758.2)

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.



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 9, symbol 758.

FIGURE 1. Receptacle (metal housing and shell).

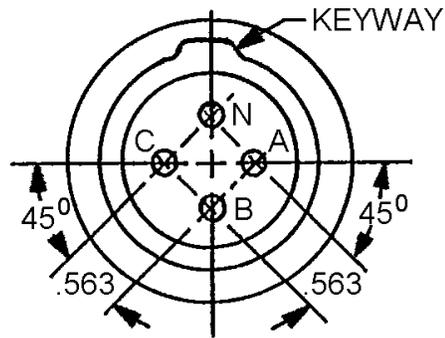
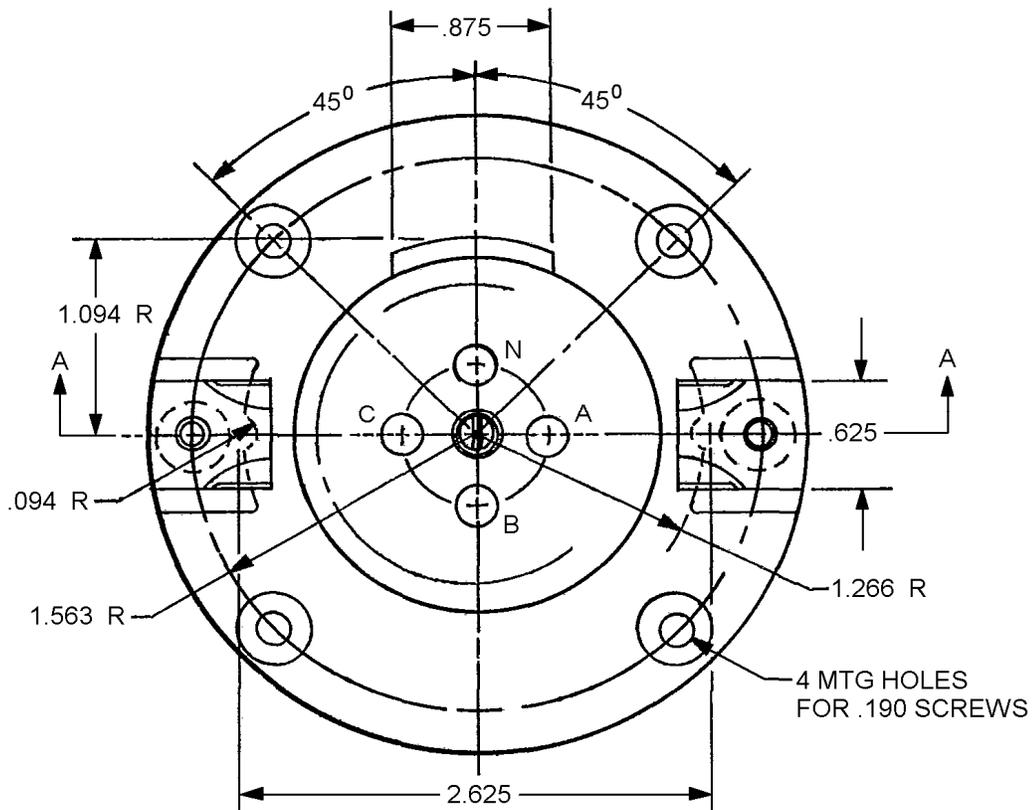
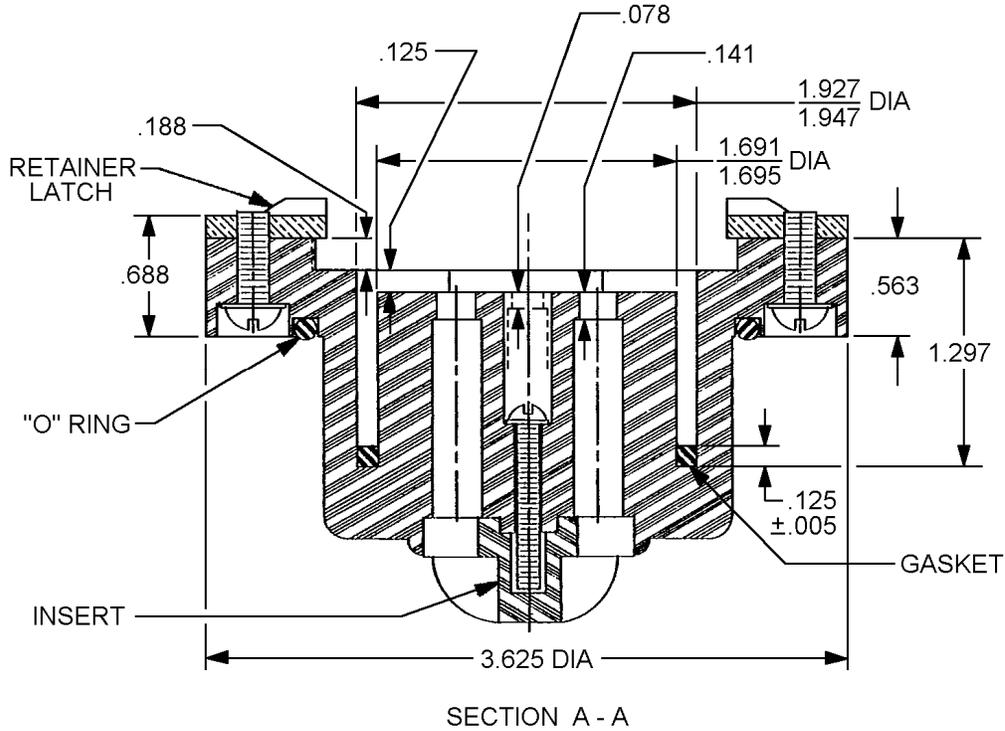


FIGURE 1. Receptacle (metal housing and shell) - Continued.



SH 9082

FIGURE 2. Receptacle (plastic body).



Inches	mm	Inches	mm
.016	0.14	1.094	27.79
.078	1.98	1.266	32.16
.094	2.39	1.297	32.94
.125	3.17	1.562	39.67
.141	3.58	1.691	42.95
.188	4.77	1.695	43.05
.190	4.83	1.927	48.95
.562	14.27	1.947	49.45
.625	15.87	2.625	66.67
.688	17.47	3.625	90.07
.875	22.22		

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. Part or Identifying Number (PIN): M2726/9-002, Symbol No. 758.2.

FIGURE 2. Receptacle (plastic body) - Continued.

MIL-DTL-2726/9B

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.
Contacts in accordance with ASTM-B441 copper alloy number 175, HT temper.

Contact hardness: Minimum of Rockwell 80F.

Mating plug: MIL-DTL-2726/3, PIN: M2726/3-001.

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: In accordance with SAE-AS28775, PIN 229.

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

PIN: M2726/9-001 (metal housing and shell). PIN: M2726/9-002 (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-B441
- ASTM-D5948
- MIL-DTL-2726/3
- MIL-DTL-2726/13
- MIL-STD-108
- SAE-AS28775

CONCLUDING MATERIAL

Custodians:
 Navy - SH
 DLA - CC

Preparing activity
 DLA - CC

(Project 5935-4617-008)

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>.