

INCH-POUND

MIL-DTL-2726/8B
14 February 2006
SUPERSEDING
MIL-R-2726/8A(SH)
3 July 1986

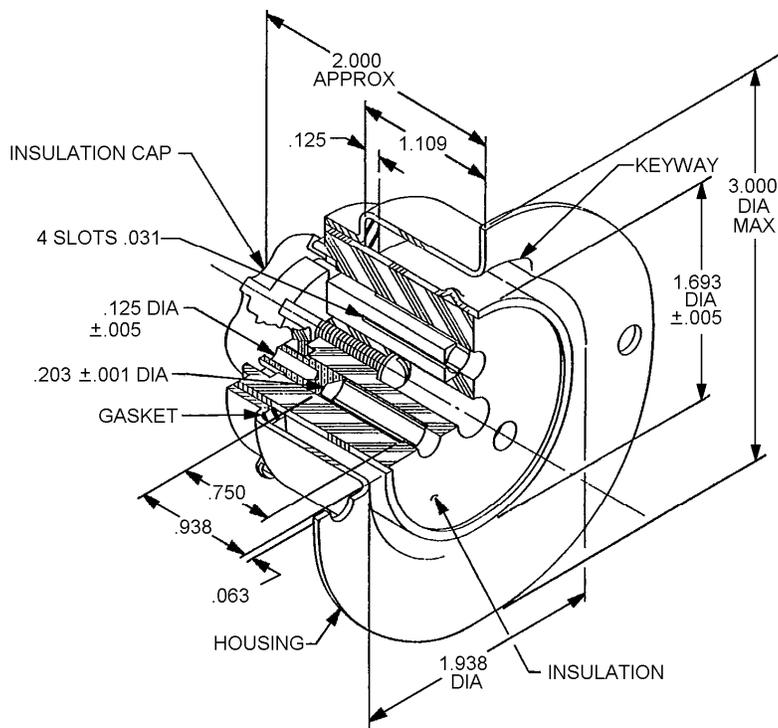
DETAIL SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 3-PIN GROUNDED, 50-AMPERE, 250-VOLT,
DIRECT CURRENT (SYMBOL NOS. 757.1 AND 757.2)

Inactive for new design as of 28 June 1999.

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

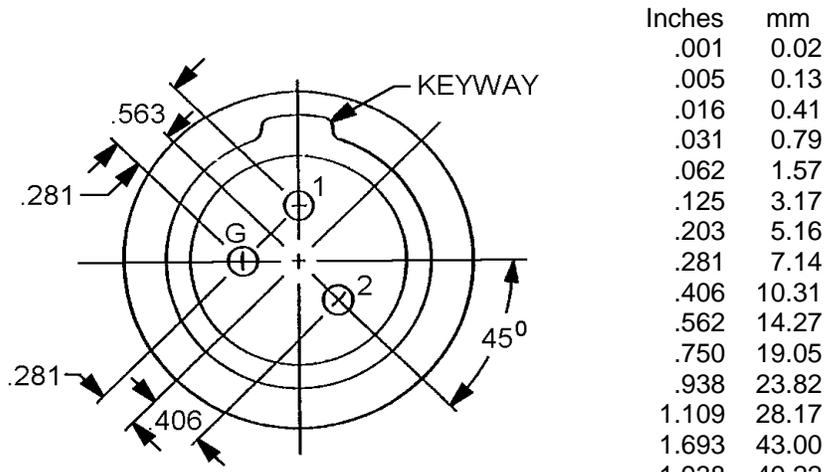
The requirements for acquiring the product described herein shall consist of this
specification sheet and MIL-DTL-2726.



SH 9079 symbol no. 757.1

FIGURE 1. Receptacle (metal housing and shell).

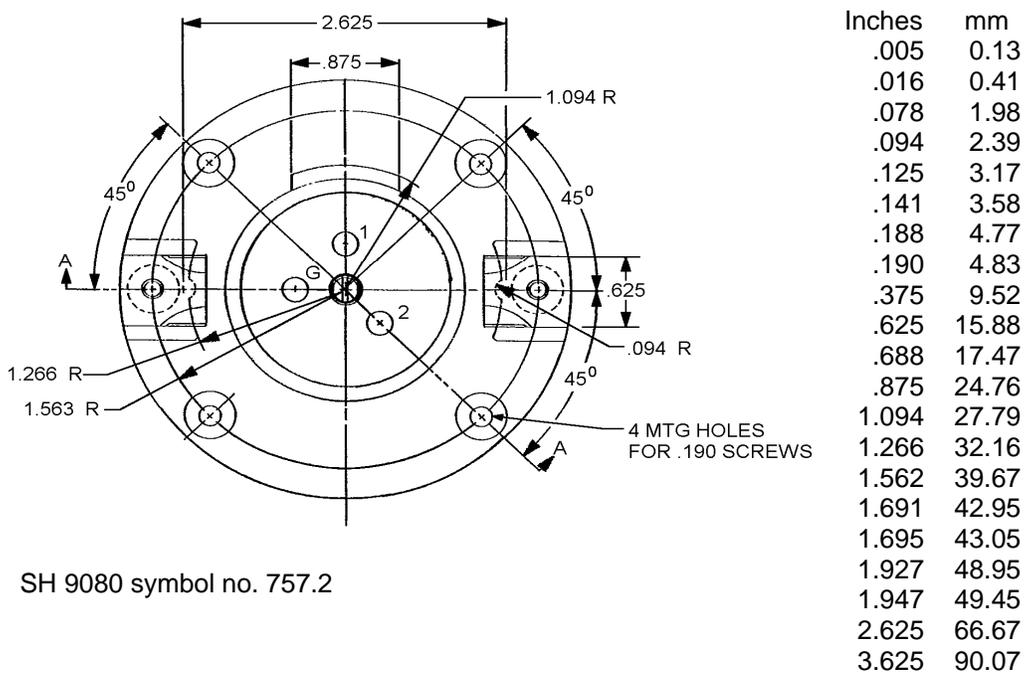
MIL-DTL-2726/8B



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .015$ (0.38mm) and $\pm .5^\circ$ on angles.
4. Supersedes: Drawing 9000-S6202-73882, pc 8, symbol 757.
5. Part or Identifying Number (PIN): M2726/8-001.

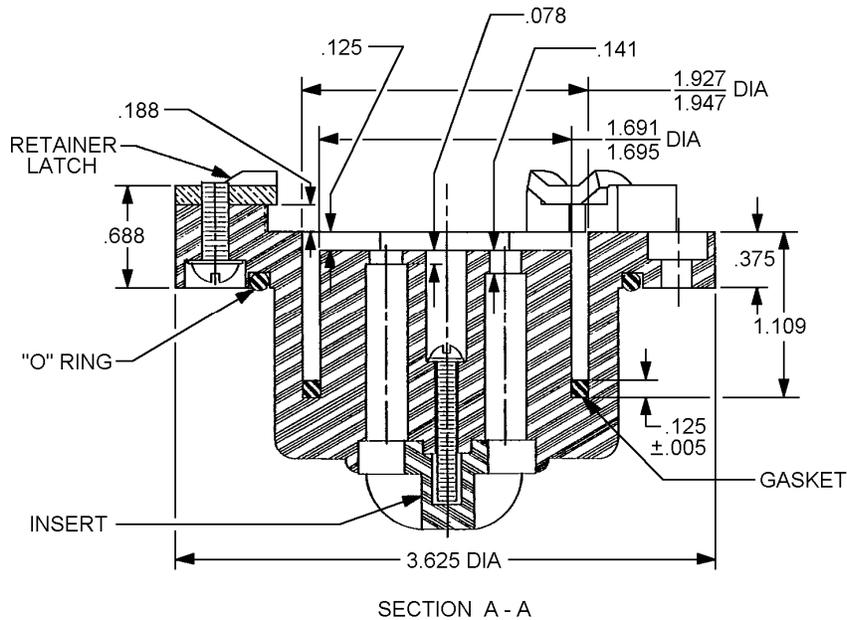
FIGURE 1. Receptacle (metal housing and shell) – Continued.



SH 9080 symbol no. 757.2

FIGURE 2. Receptacle (plastic body).

MIL-DTL-2726/8B



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .015$ (0.38mm) and $\pm .5^\circ$ degree on angles.
4. PIN: M2726/8-002.

FIGURE 2. Receptacle (plastic body).

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-B441copper alloy number 175, HT temper.

Contact hardness: Minimum of Rockwell 80F.

Mating plug: MIL-DTL-2726/2, PIN M2726/2-001.

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: 50-ampere, 250-volt, direct current.

MIL-DTL-2726/8B

PIN: M2726/8-001 (metal housing and shell), M2726/8-002 (plastic body).

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-2726/2
- MIL-DTL-2726/13
- MIL-STD-108
- SAE-AS28775

MIL-DTL-2726/8B

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-007)

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>.