

INCH-POUND
MIL-DTL-2726/68D
31 August 2005
SUPERSEDING
MIL-R-2726/68C(SH)
3 July 1986

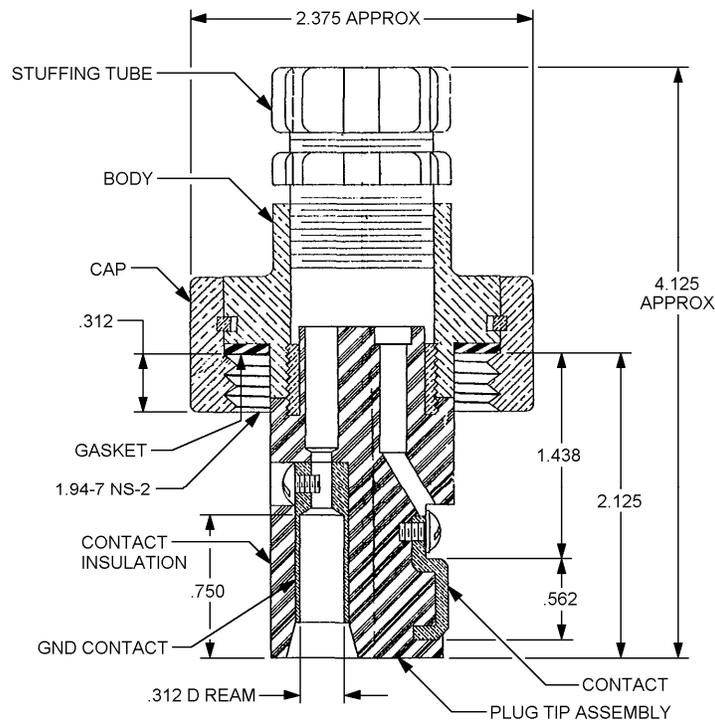
DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, CONNECTOR, ELECTRICAL, 10-AMPERE, 125-VOLT,
3-PHASE, GROUNDED (SYMBOL NO. 706.1)

Inactive for new design after 28 June 1999.

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

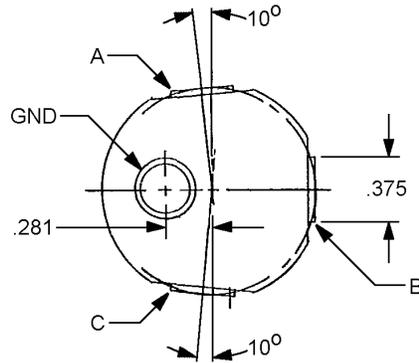
The requirements for acquiring the product described herein shall consist of this
specification sheet and MIL-DTL-2726.



SH 9151A

FIGURE 1. Plug assembly.

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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 $\pm 0^{\circ}30'$ on angles.
4. Supersedes: Drawing 9-S-4797-L, symbol 706.

FIGURE 1. Plug assembly – Continued.

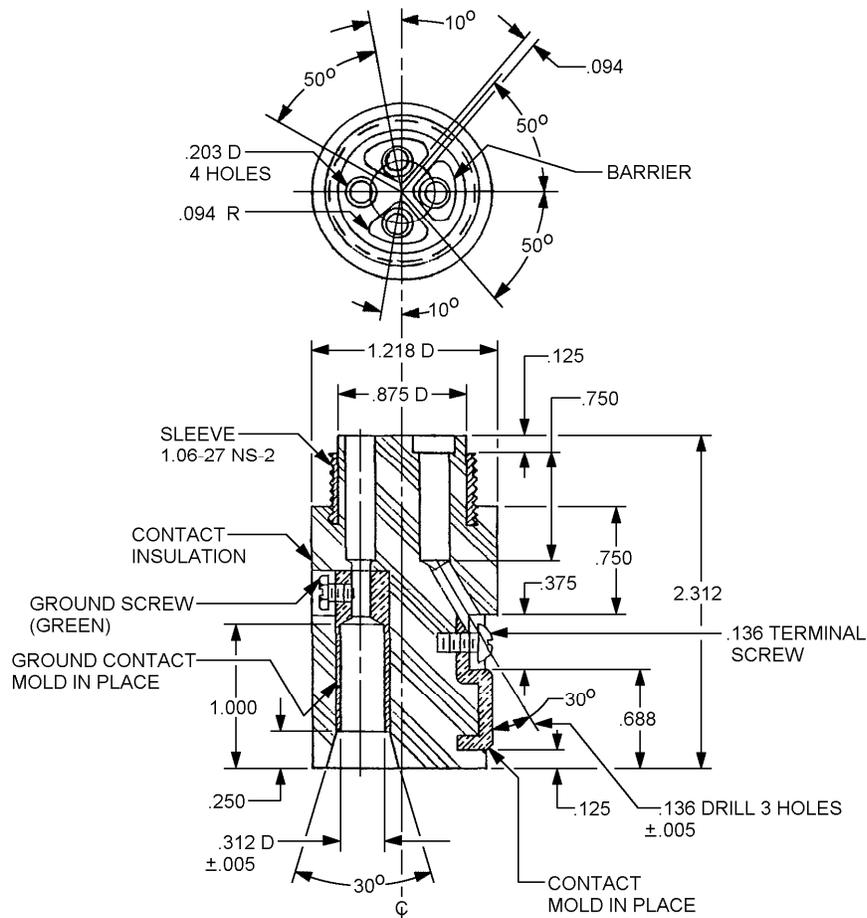
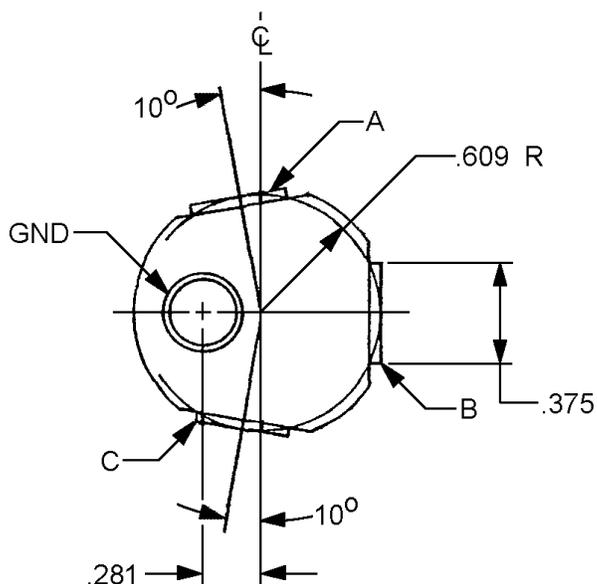


FIGURE 2. Plug tip assembly.

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Inches	mm	Inches	mm
.005	0.03	.688	17.48
.094	2.39	.750	19.05
.125	3.18	.875	22.23
.136	3.45	1.000	25.40
.203	5.16	1.06	27.0
.250	6.35	1.218	30.94
.281	7.14	1.438	36.53
.312	7.92	1.94	49.3
.375	9.53	2.125	53.98
.562	14.27	2.312	58.72
.609	15.47	2.375	60.33
		4.125	105.78

Part or Identifying Number (PIN): M2726/68-002

SH9443

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 $\pm 0^{\circ}30'$ on angles.

FIGURE 2. Plug tip assembly - Continued.

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: Body and cap – brass.
 Contact insulation – in accordance with ASTM-D5948 type MFG (brown).
 Ground contact – brass.

Stuffing tube: MIL-S-19622/3, PIN: M19622/3-003.

Packing: MIL-S-19622/18, PIN M19622/18-0018.

Mating receptacle: MIL-DTL-2726/67, PIN M2726/67-001.

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

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Design: Binding head screws may be used. Individual pathways through the contact insulation shall be provided to each contact of ample size to accept the insulated conductors.

Screw for ground contact terminal shall be furnished in a distinctive green color.

Electrical rating: 10-ampere, 125-volt, 3-phase, grounded.

PIN: M2726/68-001 (plug assembly).
M2726-68-002 (plug tip).

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 conformance inspection.

Inspection	First article	Conformance
Examination	X	X
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Contact resistance	X	X
Current load	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	
Strain relief	x	

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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

- ASTM-D5948
- MIL-DTL-24643/3
- MIL-DTL-2726/67
- MIL-S-19622/3
- MIL-S-19622/18
- MIL-STD-108

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CONCLUDING MATERIAL

Custodians:

Army - CR
DLA - CC
Navy - SH

Preparing activity:
DLA - CC

(Project 5935-4761-000)

Review activities:

Army - AV, MI

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>.