

INCH-POUND

MIL-DTL-2726/46B
20 October 2006
SUPERSEDING
MIL-R-2726/46A(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 100 - AMPERE, 250 - VOLT,
DIRECT CURRENT, 3-POLE (SYMBOL NO. 721.1)

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.

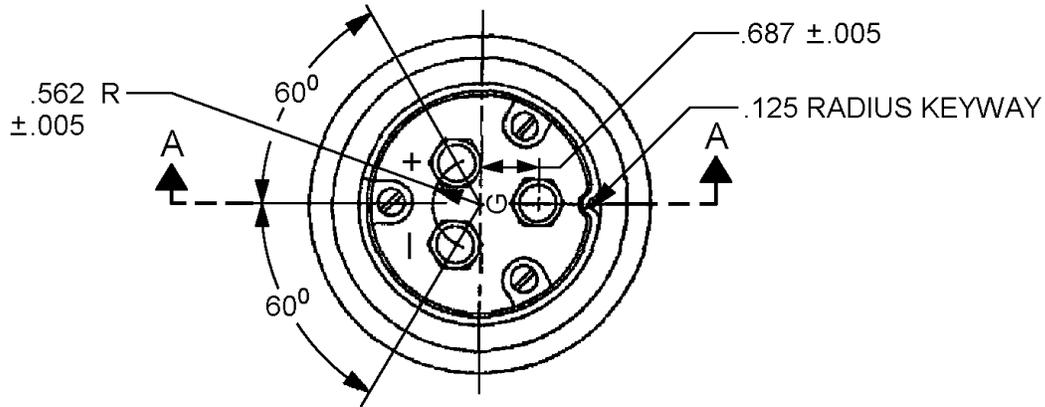
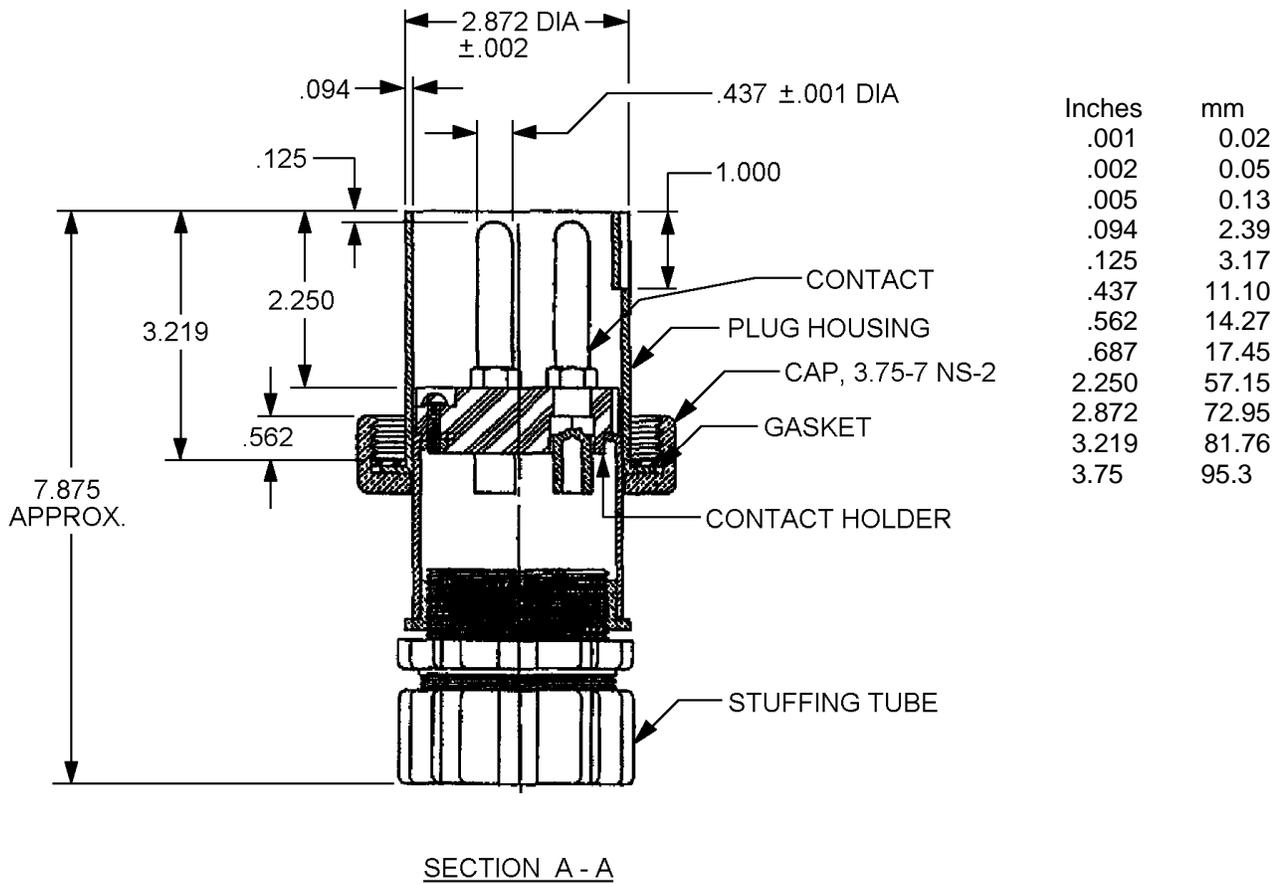


FIGURE 1. Dimensions and configurations.



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-S6202-73965, symbol 721.
5. Use for replacement only.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS

Dimensions and configurations: See figure 1.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.

Material: Plug housing – brass; cap – brass; contact holder in accordance with ASTM-D5948 type MAI-60.

Strain relief: 40 pounds.

Contact hardness: Minimum of Rockwell 60B.

Stuffing tube in accordance with MIL-S-19622/3, Part or Identifying Number (PIN) shall be furnished with the plug.

Packing assembly: MIL-S-19622/21, PIN M19622/21-003.

Mating receptacle: MIL-DTL-2726/23, PIN M2726/23-001.

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

PIN: M2726/46-001.

Electrical rating: 100-ampere, 250-volt, direct current.

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	
Strain relief	X	
Rockwell hardness	X	

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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
MIL-DTL-24643
MIL-DTL-24643/3
MIL-DTL-2726/23
MIL-S-19622/3
MIL-S-19622/21
MIL-STD-108

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-029)

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>.