

**INCH-POUND**  
MIL-DTL-2726/30B  
13 May 2005  
SUPERSEDING  
MIL-R-2726/30A(SH)  
3 July 1986

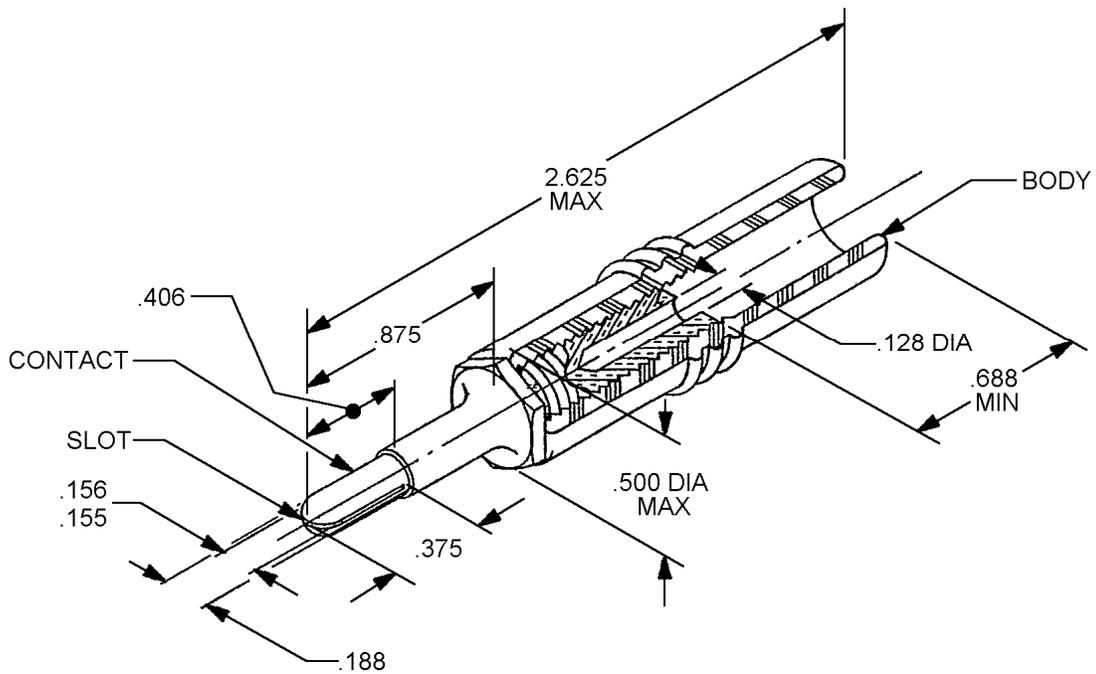
DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 10 - AMPERE, 125 VOLT, SINGLE POLE,  
MALE (SYMBOL NO. 727.1 - RED; SYMBOL NO. 727.2 - BLACK)

Reactivated after 13 May 2005 and may be used for  
new and existing designs and acquisitions.

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 9108

FIGURE 1. Dimensions and configuration.

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Inches	mm
.005	0.13
.128	3.25
.155	3.94
.156	3.96
.188	4.77
.375	9.52
.406	10.31
.500	12.70
.688	17.47
.875	22.22
2.625	66.67

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 angle.
4. Supersedes: Drawing 9000-S6202-S6202-73481, symbol 727.

FIGURE 1. Dimensions and configuration – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Contact resistance: When tested as specified in accordance with MIL-DTL-2726, the voltage drop shall not exceed 10 millivolts. Measured between the connection stud of the plug and the connection stud of the test receptacle.

Uncoupling force: Minimum of 5 pounds.

H.I. shock: Disengagement of the plug from its test receptacle under H.I. shock shall not be considered as a failure.

Ball drop: Applicable if body material is plastic.

Contact hardness: Minimum of Rockwell 76B.

Mating receptacle: MIL-DTL-2726/32, Part or Identifying Number (PIN) M2726/32-001 (not furnished).

Material: Body – rubber, in accordance with ASTM-D2000 or plastic, in accordance with MIA-60 of ASTM-D5948.

Part number: M2726/30-001 (black), M2726/30-002(red).

Electrical rating: 10-ampere, 125-volt, alternating current or direct current.

Contact finish: Silver plate.

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QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-DTL-2726 and table I herein. The first article and quality 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	Quality conformance
Examination	X	X
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Contact resistance	X	X
Uncoupling force	X	X
Endurance	X	
Mechanical abuse	X	
Ball drop impact	X	
Uncoupling force	X	
Salt spray	X	
Contact resistance	X	
Current load	X	
Vibration	X	
Shock	X	
Dielectric withstanding voltage	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  
MIL-DTL-2726/32  
ASTM-D2000

CONCLUDING MATERIAL

Custodians:  
Navy - SH  
DLA - CC

Preparing activity  
DLA - CC

(Project 5935-4617-020)

NOTES: 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>.