

INCH-POUND
MIL-DTL-2726/31B
w/AMENDMENT 1
27 March 2025
SUPERSEDING
MIL-DTL-2726/31B
01 November 2006

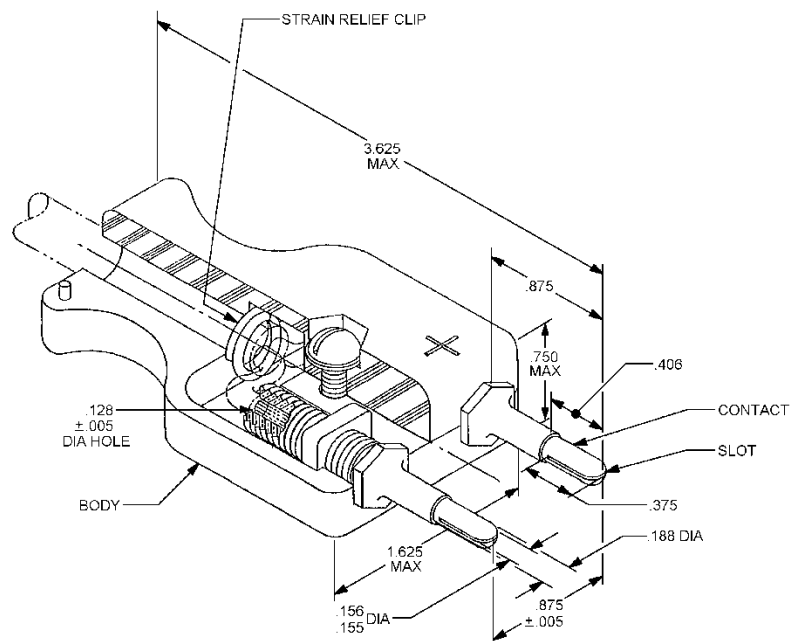
DETAIL SPECIFICATION SHEET

RECEPTACLE PLUG, ELECTRICAL 10 - AMPERE, 125 - VOLT,
DOUBLE POLE, MALE (SYMBOL NO. 729.1)

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.



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are $\pm .016$.
4. Supersedes: Drawing 9000-S6202-73481, symbol 729.

FIGURE 1. Dimensions and configuration.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Contact resistance: When tested as specified in 4.7.3 of 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 10 pounds.

Stain relief: 20 pounds.

H.I. shock: plug, 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 number M2726/32-001 (not furnished).

Design: Requirements for single pole plug and plug body in accordance with MIL-DTL-2726 are applicable. Polarity signs shall be molded or engraved on both front and back sides of the plug body.

Material: Body – rubber, in accordance with ASTM D 2000 M2AC 710 A13E0 or plastic,
In accordance with ASTM-D5948 type MAI-60.

Part number: M2726/31-001.

Electrical rating: 10-ampere, 125-volt.

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 1. 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	
Strain relief	X	
Rockwell hardness	X	

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

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

ASTM-D2000
ASTM-D5948
MIL-DTL-2726/32

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-2025-031)

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 <https://assist.dla.mil>.