

INCH - POUND

MIL-DTL-2726/47C
18 November 2019
SUPERSEDING
MIL-DTL-2726/47B
10 January 2003

DETAIL SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, ENCLOSED, 15-AMPERE, 125-VOLT,
2-POLE, GROUNDED (SYMBOL NO. 735.3)

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 and MIL-DTL-2726.

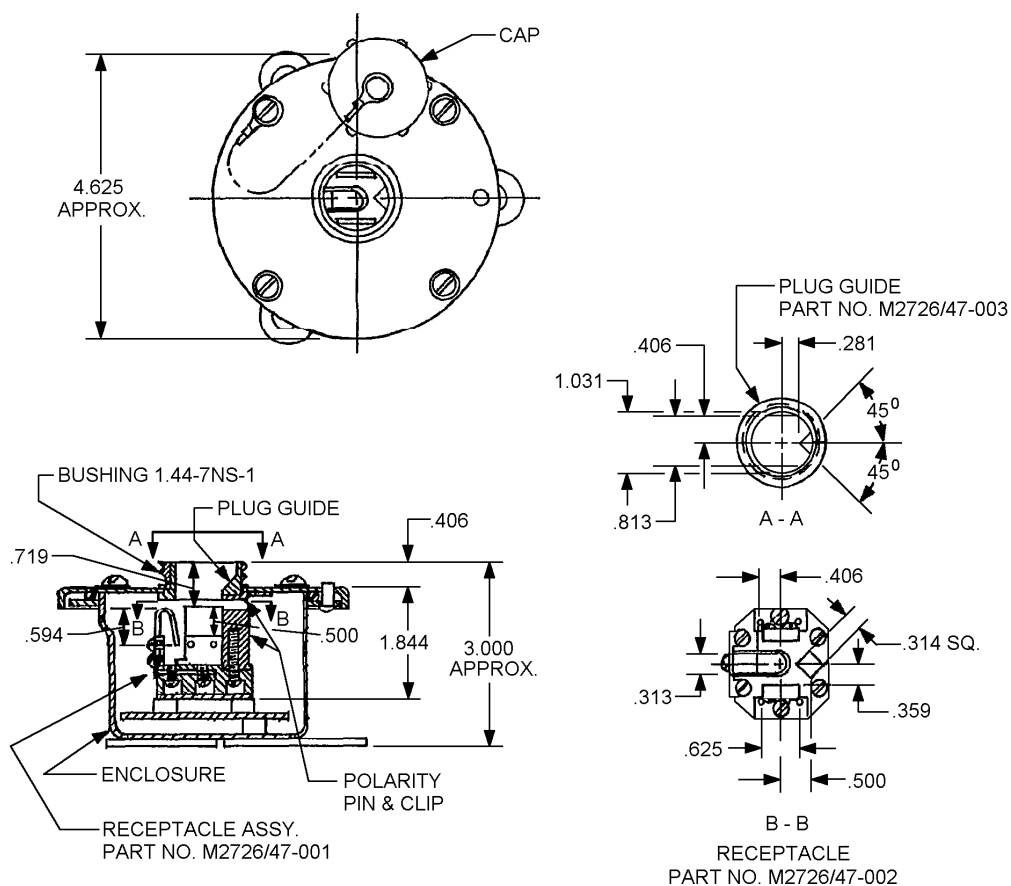
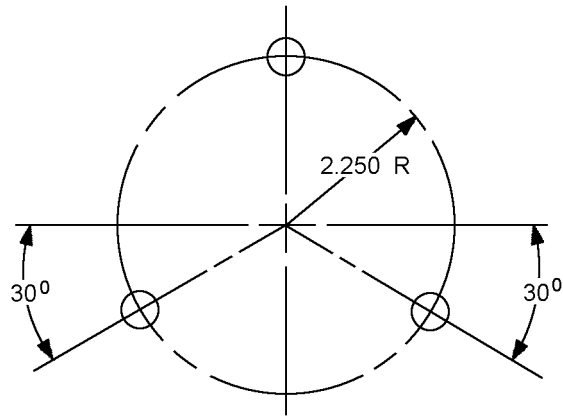


FIGURE 1. Dimensions and configurations.



MOUNTING DIMENSIONS
MOUNTING BOLTS TO BE .375-16 HEX HD

Inches	mm
.281	7.14
.313	7.94
.314	7.98
.359	9.13
.406	10.32
.500	12.70
.594	15.08
.625	15.88
.719	18.26
.813	20.64
1.031	26.19
1.844	46.83
2.250	57.15
3.000	76.20
4.625	117.5

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .016$ inch (0.41mm).
4. Angular tolerance is $\pm 0.5^\circ$.
5. Supersedes Drawing 9000-S6202-74026, symbol 735.1.

FIGURE 1. Dimensions and configurations – Continued.

REQUIREMENTS

Dimensions and configuration: See figure 1.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108.

Material: Material shall be nonmagnetic.

Receptacle base: Type MAI-60 in accordance with ASTM D5948 or polycarbonate.

Plug guide: GME in accordance with MIL-I-24768/1 or type MAI-60 in accordance with ASTM D5948.

Spring contacts: Phosphor bronze, spring temper.

Mating plug: MIL-DTL-2726/50, Part or Identifying Number (PIN) M2726/50-001 (not furnished).

Cap: In accordance with Drawing 9000-S6202-74031-119.

Enclosure: In accordance with MIL-E-24142/5, PIN M24142/5-001.

Enclosure material: Material may be molded plastic type MAI-60 in accordance with ASTM-D5948.

Grounding inserts: Grounding inserts in mounting feet shall protrude .032 inch minimum outside bottom of mounting feet.

The modified enclosure shall pass the inspections and tests as specified in the verification section and in table I.

Electrical rating: 15 ampere, 125 volt.

PIN: M2726/47-001 (receptacle assembly)

M2726/47-002 (receptacle)

M2726/47-003 (plug guide)

VERIFICATION

Requirements for first article and quality conformance, as shown below, shall be in accordance with MIL-DTL-2726. Examinations and tests shall be performed in the order shown (see table I).

Examination: Visual and dimensional examination shall meet the requirements for materials, design and construction, performance, marking and workmanship indicated in MIL-DTL-2726.

Ground contact resistance: With the enclosure mounted to a metal plate, the resistance shall be measured from the plug ground to the metal plate. Purpose is to ensure good ground contact with the metal surface on which the box is mounted in service.

TABLE I. First article and quality conformance inspection.

Inspection	Requirement Paragraph	Test Paragraph	First article	Quality conformance
Examination	3.1, 3.3, 3.4, 3.3.6 and 3.7	4.5.1	X	X
Insulation resistance	3.5.1	4.6.1	X	X
Dielectric withstanding voltage	3.5.2	4.6.2	X	X
Contact resistance, plugs and receptacles	3.5.3.1	4.6.3.1	X	X
Ground contact resistance	3.5.3.3	4.6.3.3	X	X
Current load	3.5.12	4.6.12	X	
Endurance	3.5.5	4.6.5	X	
Salt spray	3.5.11	4.6.11	X	
Contact resistance, plugs and receptacles	3.5.3.1	4.6.3.1	X	
Vibration	3.5.9	4.6.9	X	
Shock	3.5.10	4.6.10	X	
Effectiveness of enclosure	3.5.4	4.6.4	X	X
Insulation resistance	3.5.1	4.6.1	X	
Dielectric withstanding voltage	3.5.2	4.6.2	X	
Magnetic permeability	3.5.17	4.6.17	X	X

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the previous issue.

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

MIL-STD-108	ASTM D5948
MIL-I-24768/1	MIL-DTL-2726/50
MIL-E-24142/5	9000-S6202-74031-119

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2019-140)

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