

INCH-POUND

MIL-DTL-2726/47B
10 January 2003
SUPERSEDING
MIL-R-2726/47A(SH)
3 July 1986

DETAIL SPECIFICATION SHEET

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

Inactive for new design after 26 December 1990

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-R-2726.

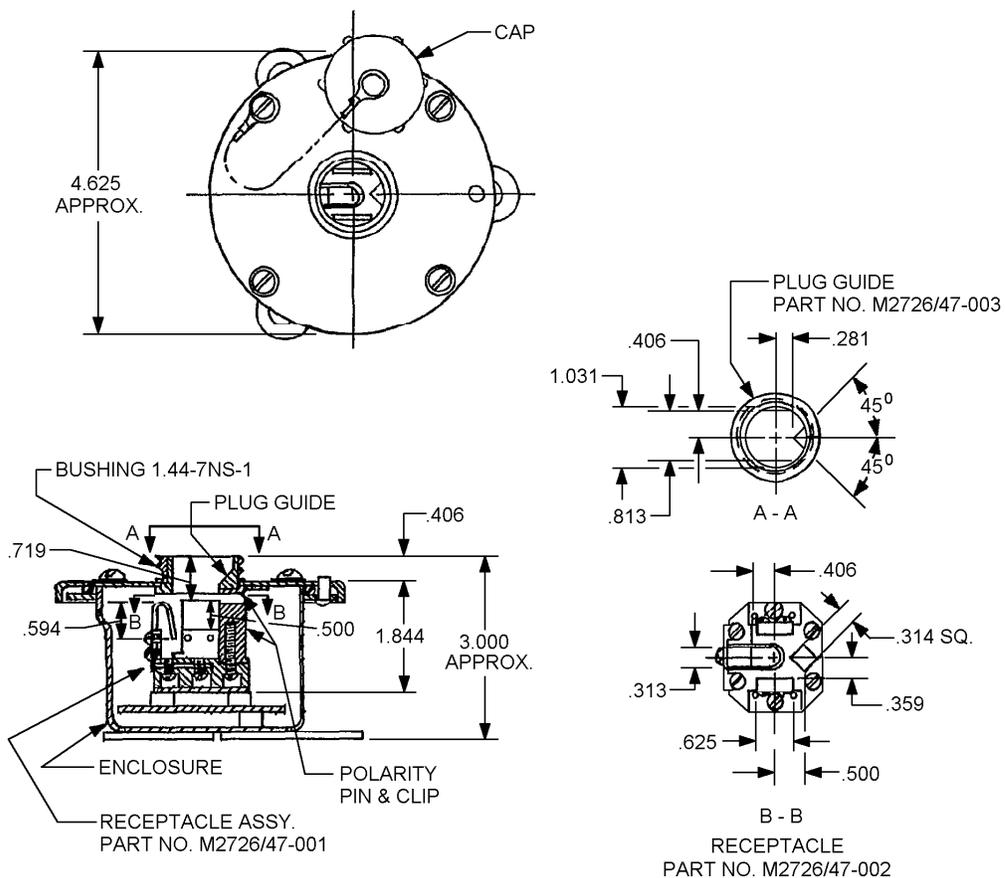
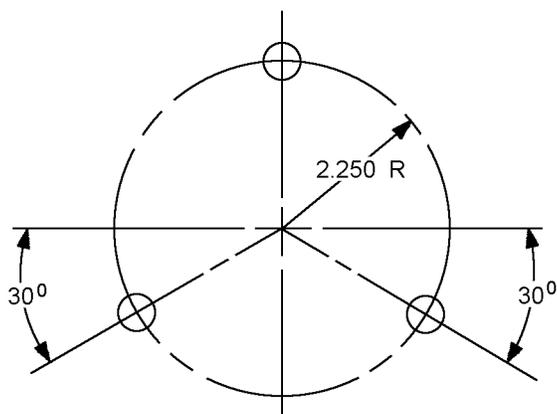


FIGURE 1. Dimensions and configurations.

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

FIGURE 1. Dimensions and configurations – Continued.

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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-R-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.

Electrical rating: 15 ampere, 125 volt.

PIN: M2726/47-001 (receptacle assembly)

M2726/47-002 (receptacle)

M2726/47-003 (plug guide)

Examination and tests:

Requirements for first article and quality conformance, as shown below, shall be in accordance with MIL-R-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-R-2726.

Tests: The following tests shall be required:

TABLE I. First article and quality conformance inspection.

Test in accordance with MIL-R-2726	First article	Quality conformance
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Contact resistance, plugs and receptacles	X	X
Current load	X	X
Endurance	X	
Salt spray	X	
Contact resistance, plugs and receptacles	X	
Vibration	X	
Shock	X	
Effectiveness of enclosure	X	X
Dielectric withstanding voltage	X	
Magnetic permeability	X	X

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

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4424-001)