

INCH-POUND  
MIL-DTL-2726/61B  
31 August 2005  
SUPERSEDING  
MIL-R-2726/61A(SH)  
3 July 1986

DETAIL SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL, 4-POLE GROUNDED, 60-AMPERE,  
450-VOLT, 3-PHASE (SYMBOL NO. 1266)

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.

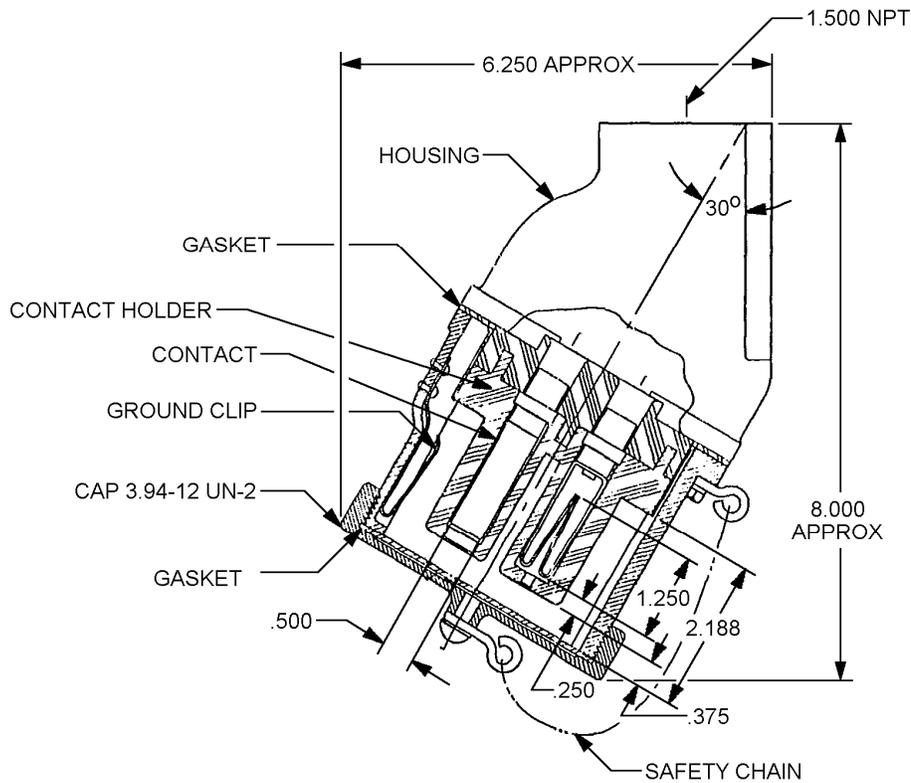
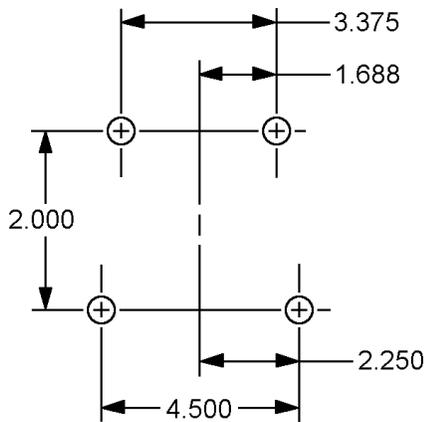
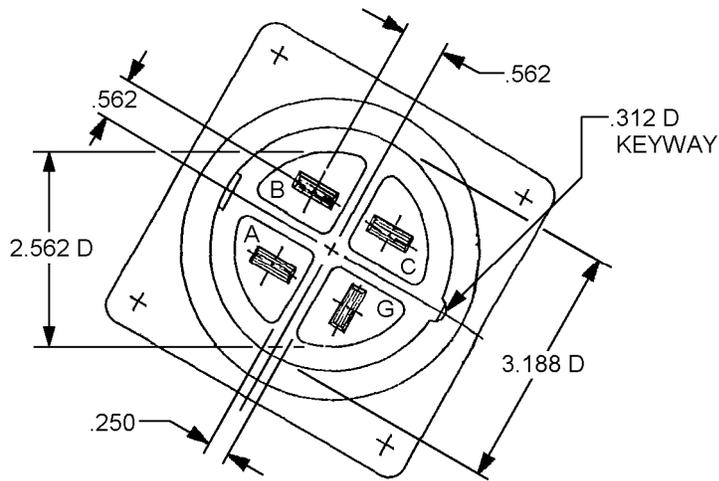


FIGURE 1. Dimensions and configurations.

MIL-DTL-2726/61B



MTG DIM  
MTG BOLTS TO BE .38-16

Inches	mm
.250	6.35
.312	7.92
.375	9.93
.38	9.7
.500	12.70
.562	21.41
1.250	31.75
1.500	38.10
1.688	42.88
2.000	58.80
2.188	55.58
2.250	57.15
2.562	65.07
3.188	80.98
3.375	85.73
3.94	100.1
4.500	114.30
6.250	158.75
8.000	203.20

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  $\pm 0^{\circ}30'$  on angles.

FIGURE 1. Dimensions and configurations - Continued.

MIL-DTL-2726/61B

REQUIREMENTS

Dimensions and configurations: See figure 1.

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

Material: Housing – optional – polyamide (nylon) or metal.  
 Contact insulation – in accordance with type MAI-60 ASTM-D5948.

Contact hardness: Minimum of Rockwell 80 F.

Mating Plug: MIL-DTL-2726/56, Part or Identifying Number (PIN): M2726/56-001.

Contact resistance: When tested as specified in MIL-DTL-2726, the voltage drop shall not exceed 75 millivolts measured between the ends of two 25-inch lengths of test cable properly connected to a test receptacle and plug, respectively.

Test cable: Commercial 4-conductor, AWG size 4 (259 by 25), 600-volt, type W.

Design: Plastic enclosed terminal barriers shall be provided.

PIN: M2726/61-001.

Electrical rating: 60-ampere, 450-volt, alternating current, 60-hertz.

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 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	
Rockwell hardness	X	

MIL-DTL-2726/61B

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

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

ASTM-D5948  
MIL-DTL-2726/56  
MIL-STD-108

CONCLUDING MATERIAL

Custodians:  
Army - CR  
DLA - CC  
Navy - SH

Preparing activity:  
DLA - CC

(Project 5935-4755-000)

Review activities:  
Army - AV, MI

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>.