

INCH-POUND
MIL-DTL-2726/38D
20 October 2006
SUPERSEDING
MIL-R-2726/38C(SH)
3 July 1986

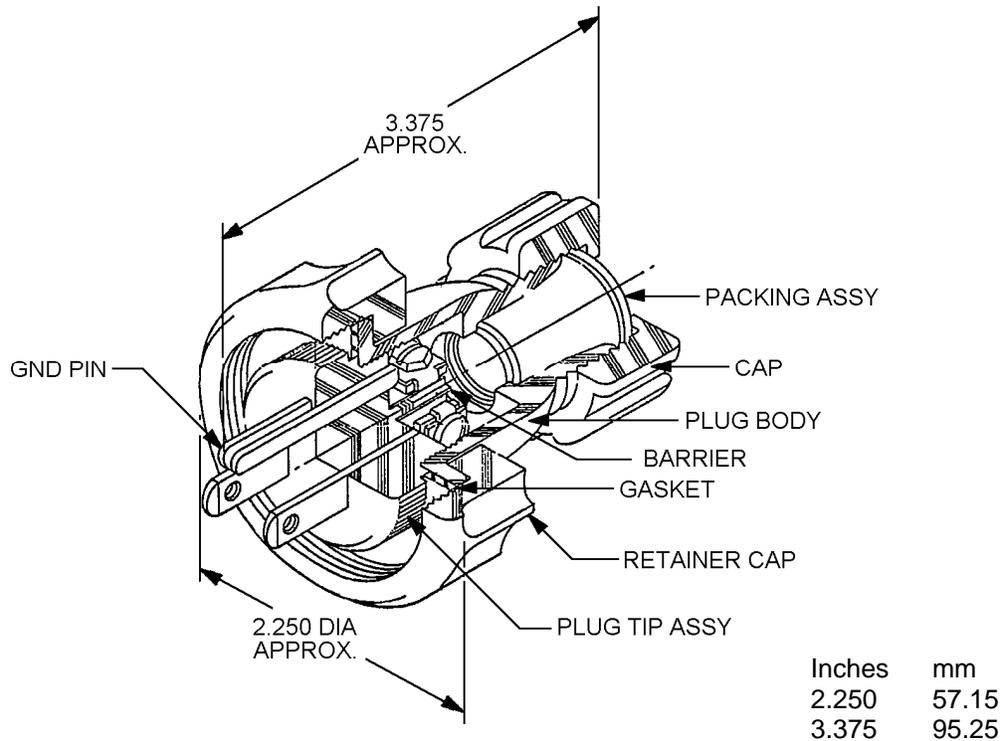
DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 15 - AMPERE, 125 - VOLT,
BLADED TYPE, GROUNDED (SYMBOL NO. 1218.3)

Reactivated after 20 June 2004 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.

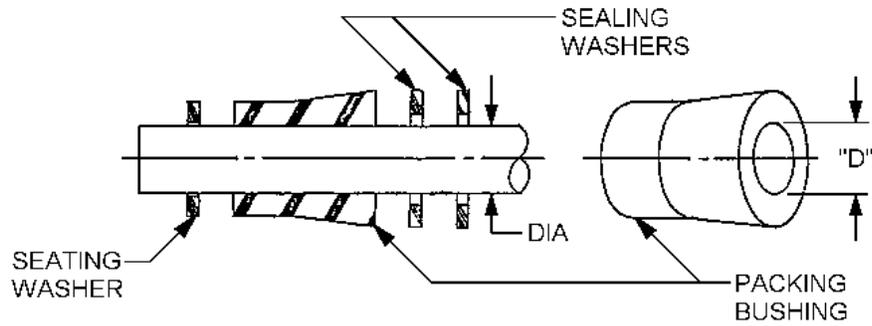
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-2726.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm).
4. Supersedes: Drawing 815-1197230, symbols 1218, 1218.1 and 1218.2.

FIGURE 1. Plug assembly.



SELECT PACKING ASSEMBLY TO SUIT CABLE DIAMETER

CABLE DIA	BUSHING "D" HOLE	USE PACKING ASSEMBLY Part or Identifying Number (PIN)
.400 - .440	.415	M2726/50-004-1
.440 - .520	.470	M2726/50-004-2
.520 - .560	.550	M2726/50-004-3

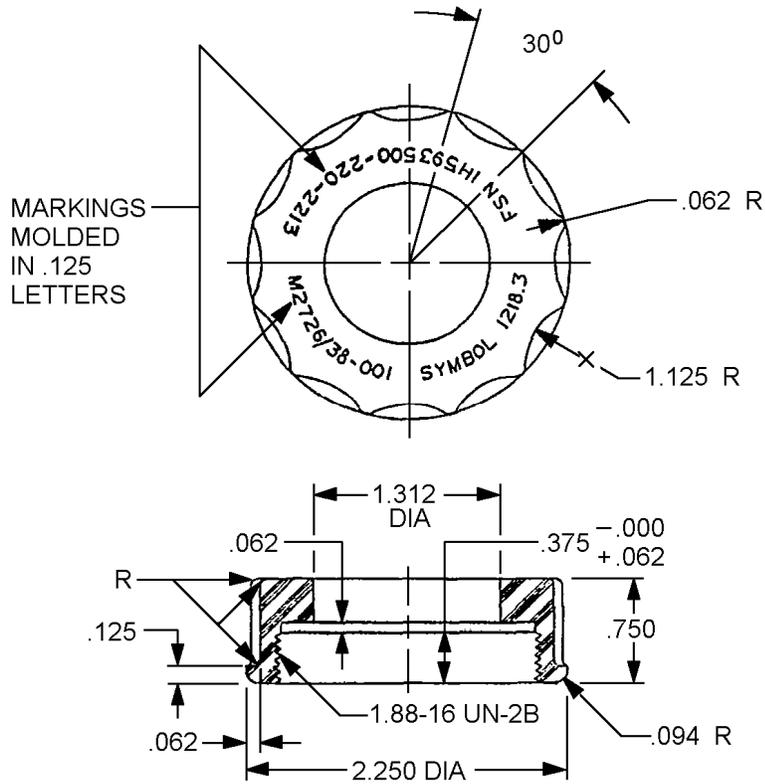
Inches	mm
.400	10.16
.415	10.54
.440	11.18
.470	11.94
.520	13.21
.550	13.97
.560	14.22

NOTES:

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3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm) and $\pm .5^\circ$ on angles.

FIGURE 2. Instruction sheet.

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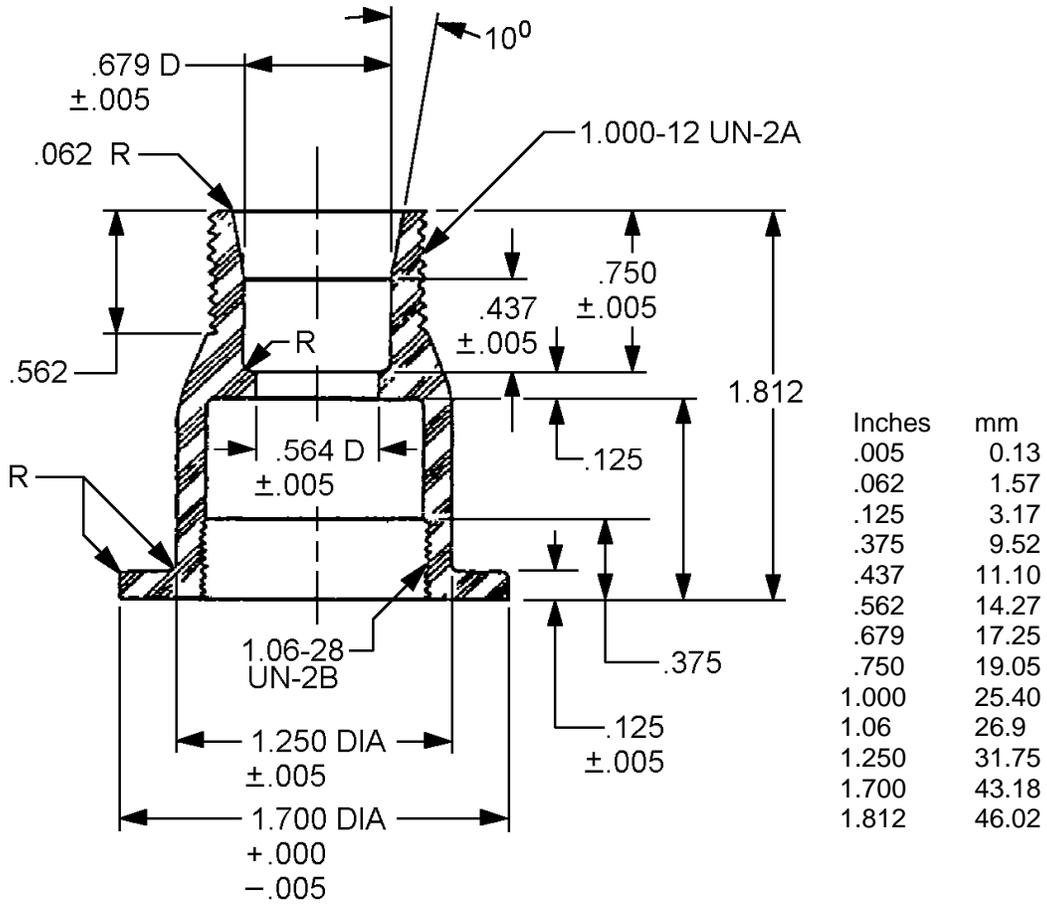


Inches	mm
.062	1.57
.094	2.39
.125	3.17
.375	9.52
.750	19.05
1.125	26.57
1.312	33.32
1.88	47.7
2.250	57.15

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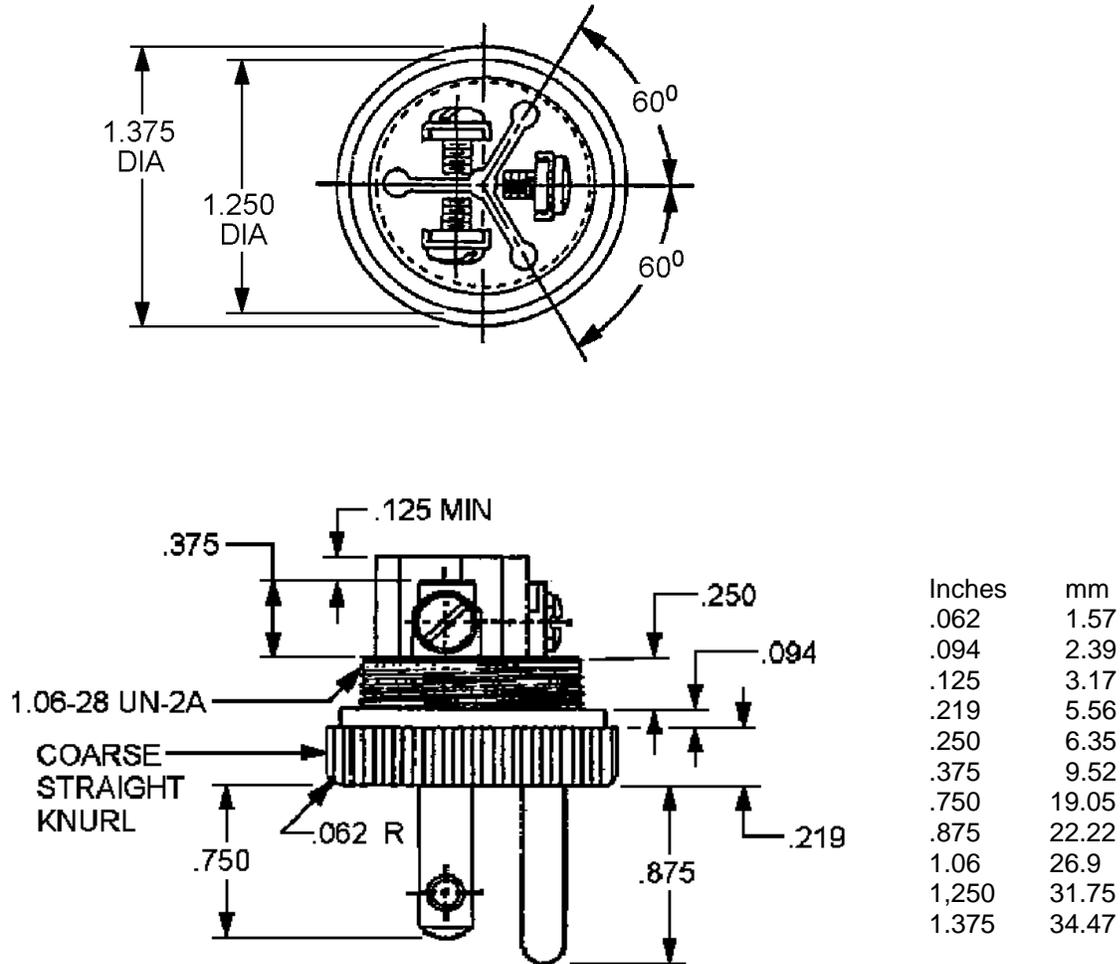
FIGURE 3. Retainer cap.



NOTES:

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FIGURE 4. Plug body.

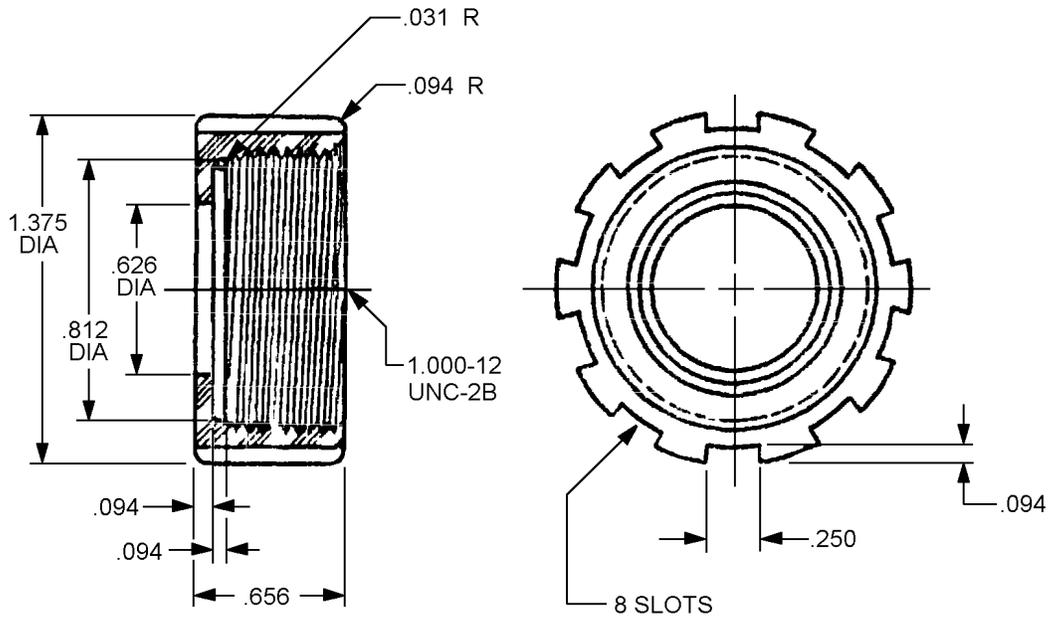


NOTES:

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3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm) and $\pm .5^\circ$ on angles.

FIGURE 5. Plug tip assembly.

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Inches	mm
.031	0.79
.094	2.39
.250	6.35
.656	16.66
.812	20.62
1.000	25.40
1.357	34.92

NOTES

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .010$ (0.25 mm) per linear inch, whichever is greater.
4. Angular dimensions are $\pm 0^{\circ}30'$.
5. Tube size 6.

FIGURE 6. Stuffing tube, cap.

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REQUIREMENTS

Dimensions and configurations: See figures 1, 2, 3, 4, 5 and 6.

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

Strain relief: 30 pounds.

Material: Plug body and retainer cap – molded polycarbonate (yellow) in accordance with ASTM-D3935; plug tip assembly (contact insulation) shall be molded polycarbonate (yellow) in accordance with ASTM-D3935 or in accordance with ASTM-D5948 type MAI-60 (yellow).

Stuffing cap: Color shall be yellow and material may be polyamide (nylon) or polycarbonate (see figure 6).

Terminals shall be furnished with wire retainers and binding head screws. Ground screw shall be hexagonal head and shall be finished in a distinctive green color. Ground contact shall be nickel-plated.

Packing assemblies: MIL-DTL-2726/50, PIN M2726/50-004-1
M2726-50-004-2, M2726-50-004-3 shall be furnished with the plug assembly.
User shall select size that most nearly fits the cable as shown on figure 2.

Mating receptacle: MIL-DTL-2726/37, PIN M2726/37-001; MIL-DTL-2726/39
(with switch), PIN M2726/39-001; MIL-DTL-2726/73,
PIN M2726/73-001.

Test cables: In accordance with MIL-DTL-24643 and MIL-DTL-24643/3 use with M2726/50-004-2.

Design: Contact arrangement shall be in accordance with W-C-596/13, PIN W-C-596/13-3.
Plug tip assembly shall be threaded into plug body. Barriers shall be molded integral with plug tip and shall extend .125 minimum above contacts. Contacts may be molded integral with plug tip or staked to prevent removal by pull out force of 30 pounds, minimum. Plug tip shall contain an undercut to retain gasket captive when assembled into plug body.

Instruction sheet: An instruction sheet with the information as shown on figure 2 shall be furnished with each plug on paper by 4 by 6 inches.

Gasket: Rubber, in accordance with MIL-PRF-900. Gasket shall be 1.750 inch outside diameter by .062 inch plus .031, minus 0 inch thick.

Electrical rating: 15-ampere, 125-volt.

Intended use: Shipboard, for portable tools, test equipment and battery charging units on radar platforms, open bridges or weatherdecks. Normally used with watertight receptacles but will fit nonwatertight receptacles in accordance with MIL-DTL-2726/40, MIL-DTL-2726/43, MIL-DTL-2726/51 and MIL-DTL-2726/69.

PIN: M2726/38-001.

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 quality conformance inspection.

Inspection	First article	Conformance
Examination	X	X
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Blade strength	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	
Mechanical abuse	X	
Ball drop impact	X	
Strain relief	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-D3935
 ASTM-D5948
 MIL-DTL-24643
 MIL-DTL-24643/3
 MIL-DTL-2726/37
 MIL-DTL-2726/39
 MIL-DTL-2726/40
 MIL-DTL-2726/43
 MIL-DTL-2726/50
 MIL-DTL-2726/51
 MIL-DTL-2726/69
 MIL-DTL-2726/73
 MIL-PRF-900
 MIL-STD-108
 W-C-596/13

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CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-028)

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>.