

MIL-R-2726/24B(SH)  
3 July 1986  
SUPERSEDING  
MIL-R-2726/24A(SHIPS)  
4 June 1968

MILITARY SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, CONNECTOR, 25-AMPERE,  
500-VOLT, 3-PHASE GROUNDED (SYMBOL NO. 707.1)

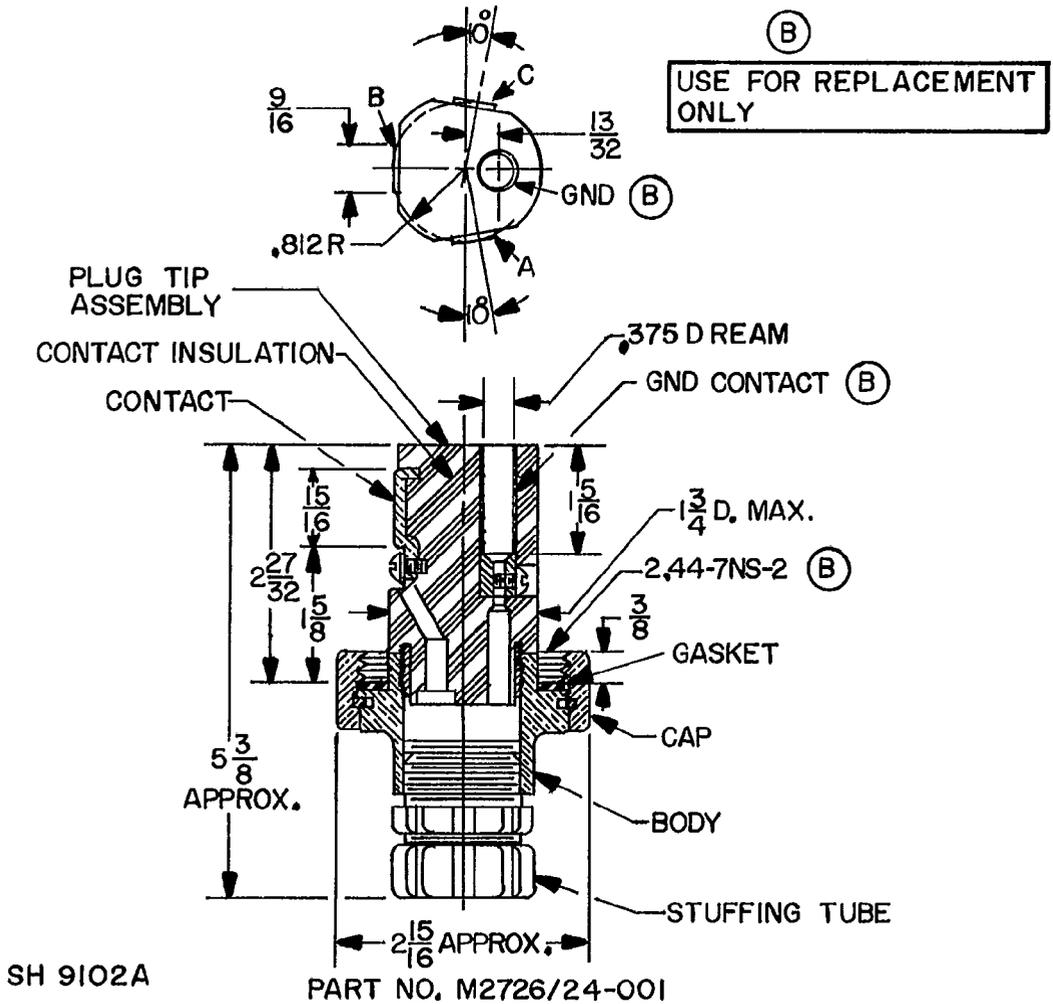
- ⓑ This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and *is available for use by all* Departments and Agencies of the Department of Defense.
- ⓑ The requirements for acquiring the receptacle described herein shall consist of this specification and the latest issue of MIL-R-2726.

ⓑ denotes changes.

AMSC N/A

FSC 5935

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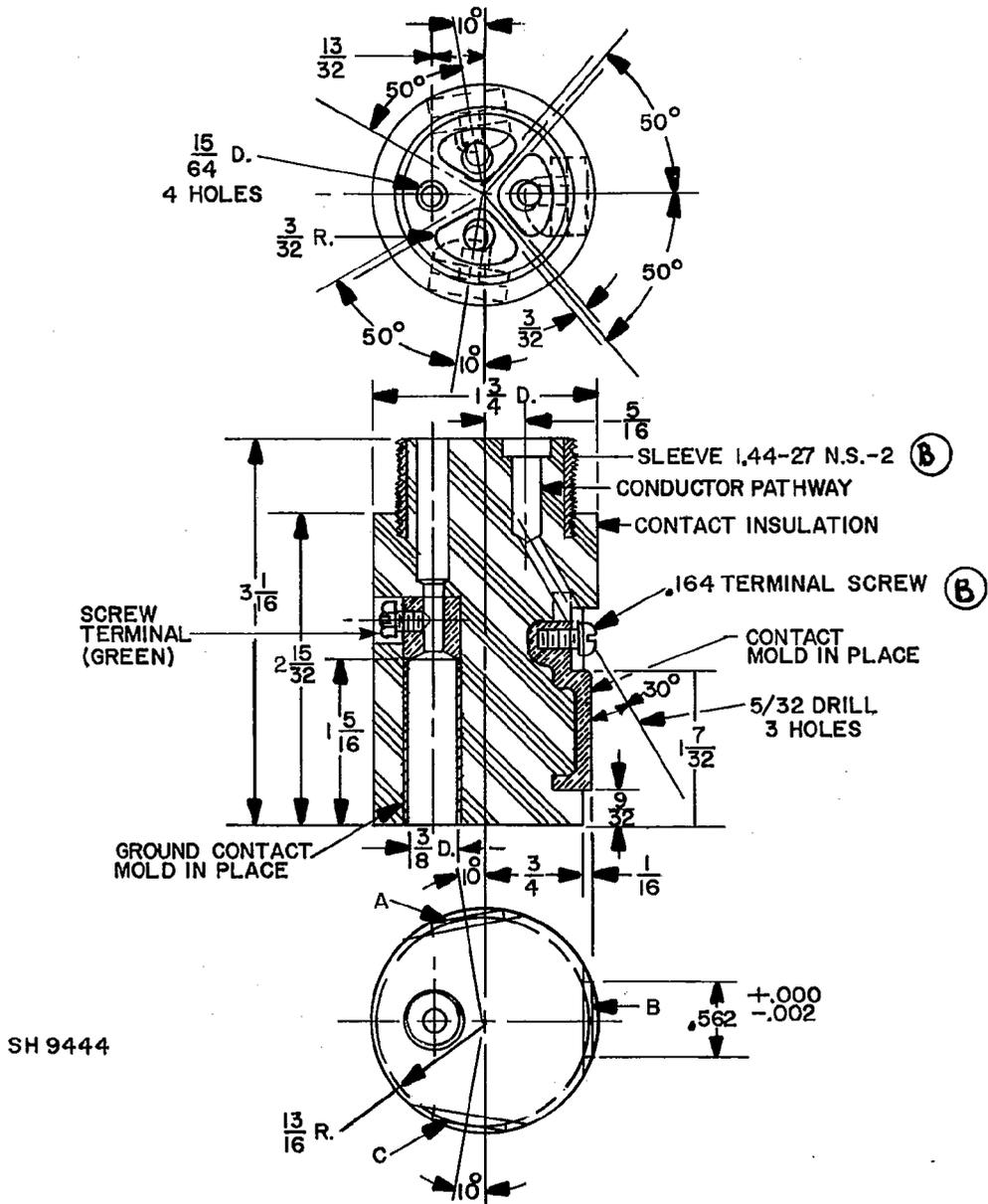


(B)  
USE FOR REPLACEMENT ONLY

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are  $\pm 1/64$  inch for fractions. Angular tolerance is  $\pm 1/2$  degree.
2. Supersedes: Drawing 9-S-4861-L, symbol 707.

FIGURE 1. Plug assembly.



SH 9444

NOTE:

1. Dimensions are in inches. Unless otherwise specified, tolerances are  $\pm 1/64$  inch for fractions. Angular tolerance is  $\pm 1/2$  degree.

FIGURE 2. Plug tip assembly.

## REQUIREMENTS:

1. Dimensions and configurations: See figures 1 and 2.
2. Effectiveness of enclosure: Submersible (15-foot) in accordance with MIL-STD-108 when coupled with mating receptacle.
3. Strain relief: 30-pounds.
4. Material: Body and cap - brass.  
Contact - copper or copper alloy, minimum of Rockwell 80F.  
Ground contact - brass.  
Contact insulation - type GPI-100 in accordance with MIL-M-14.
5. Stuffing tube: MIL-S-19622/3, part number M19622/3-004 (not furnished).
6. Packing assembly: MIL-S-19622/19, part number M19622/19-0005 (not furnished).
7. Mating receptacles: MIL-R-2726/44, part number M2726/44-001 and MIL-R-2726/25, part number M2726/25-001 (not furnished).
8. Test cable: MIL-C-24643 and MIL-C-24643/3 (not furnished).
9. Design: Binding head screws may be used. Individual pathways through the contact insulation shall be provided to each contact of ample size to accept the insulated conductors.
10. Electrical rating: 25-ampere, 500-volt, alternating current, 60-hertz.
11. Part number: M2726/24-001.

## QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-R-2726 and table I herein. The first article and quality 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	Requirement	Test method	First article	Quality conformance
Examination	3.1, 3.3, 3.4, 3.5, 3.6 and 3.7	4.6.1	X	X
Insulation resistance	3.5.1	4.7.1	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	X
Contact resistance	3.5.3.1	4.7.3.1	X	X
Endurance	3.5.5	4.7.5	X	
Salt spray	3.5.11	4.7.11	X	
Contact resistance	3.5.3.1	4.7.3.1	X	
Current load	3.5.12	4.7.12	X	
Vibration	3.5.9	4.7.9	X	
Shock	3.5.10	4.7.10	X	
Effectiveness of enclosure	3.5.4	4.7.4	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	
Mechanical abuse	3.5.8	4.7.8	X	
Strain relief	3.5.7	4.7.7	X	
Rockwell hardness	3.5.14	4.7.14	X	

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Preparing activity:

Navy - SH

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