DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 100 - AMPERE, 250 - VOLT, DIRECT CURRENT, 3-POLE (SYMBOL NO. 721.1)

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.
### NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .016 (0.41mm) and ± .5° on angles.
5. Use for replacement only.

![Diagram](image)

#### FIGURE 1. Dimensions and configurations - Continued.
MIL-DTL-2726/46B

REQUIREMENTS

Dimensions and configurations: See figure 1.

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

Material: Plug housing – brass; cap – brass; contact holder in accordance with ASTM-D5948 type MAI-60.

Strain relief: 40 pounds.

Contact hardness: Minimum of Rockwell 60B.

Stuffing tube in accordance with MIL-S-19622/3, Part or Identifying Number (PIN) shall be furnished with the plug.

Packing assembly: MIL-S-19622/21, PIN M19622/21-003.


Test cable: In accordance with MIL-DTL-24643 and MIL-DTL-24643/3.

PIN: M2726/46-001.

Electrical rating: 100-ampere, 250-volt, direct current.

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>
<thead>
<tr>
<th>Inspection</th>
<th>First article</th>
<th>Conformance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Dielectric withstanding voltage</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Contact resistance</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Endurance</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Salt spray</td>
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<tr>
<td>Contact resistance</td>
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<tr>
<td>Shock</td>
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</tr>
<tr>
<td>Effectiveness of enclosure</td>
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<td>X</td>
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<tr>
<td>Dielectric withstanding voltage</td>
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<tr>
<td>Mechanical abuse</td>
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<tr>
<td>Strain relief</td>
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</tr>
<tr>
<td>Rockwell hardness</td>
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</tr>
</tbody>
</table>
MIL-DTL-2726/46B

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-D5948
- MIL-DTL-24643
- MIL-DTL-24643/3
- MIL-DTL-2726/23
- MIL-S-19622/3
- MIL-S-19622/21
- MIL-STD-108

CONCLUDING MATERIAL

Custodians:
- Navy - SH
- DLA - CC

Preparing activity: DLA - CC

(Project 5935-4617-029)

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.