DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 3-PIN GROUNDED, 10-AMPERE, 450-VOLT, 60-HERTZ, SINGLE PHASE (SYMBOLO NO. 1257)

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 ± 0°30' on angles.

FIGURE 1. Dimensions and configurations - Continued.
REQUIREMENTS

Dimensions and configurations: See figures 1 and 2.

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

Strain relief: 20 pounds.

Material: Plug body and retainer – polycarbonate (black).
Contact insulation – in accordance with type MAI-60 of ASTM D5948.

Contact hardness: Minimum of Rockwell 80F.

Packing assembly: In accordance with MIL-S-19622/18, PIN: M19622/18-018.


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

Assembly: Tapping of insulation (inserts not required) for assembly with plug body for two flat head nylon screws is permitted.

PIN: M2726/52-001.

Electrical rating: 10-ampere, 450-volt, alternating current, 60-hertz.

Cap: Shall be provided (see figure 2).
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .010 (0.25mm).
4. Angular tolerances are ± 0°30'.
5. Threads are in accordance with FED-STD-H28/2.
6. Marking Part or Identifying Number (PIN): M19622/10-003 tube size and manufacturer's logo or name in .125 inch high raised letters on face of cup (see MIL-S-19622).
7. Materials shall be in accordance MIL-S-19622.

FIGURE 2. Plug insulation cap.
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>
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<tbody>
<tr>
<td>Examination</td>
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<tr>
<td>Insulation resistance</td>
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<td>Dielectric withstanding voltage</td>
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<td>Dielectric withstanding voltage</td>
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<td>Ball drop impact</td>
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<tr>
<td>Rockwell hardness</td>
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</tbody>
</table>

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-S-19622
MIL-S-19622/18
FED-STD-H28/2
MIL-DTL-2726/57
MIL-DTL-24643/3
MIL-STD-108
MIL-DTL-2726/52B

CONCLUDING MATERIAL

Custodians:                                                                 Preparing activity
Army - CR                                DLA-CC
DLA - CC
Navy - SH

(Project 5935-4732-000)

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.