DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, CONNECTOR ASSEMBLY,
TYPE IV, SINGLE SPAN (FOR SOLID STATE OR DIP FRAME)

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-C-28754.
MIL-DTL-28754/12G

No Hole Pattern – M28754/12-05, and M28754/12-08

FIGURE 1. Connector assembly.
FIGURE 1. Connector assembly – Continued.
Hole Patterns – M28754/12-01, M28754/12-03, and M28754/12-06

FIGURE 1. Connector assembly – Continued.
Hole Patterns – M28754/12-02, M28754/12-04, and M28754/12-07

FIGURE 1. Connector assembly – Continued.
FIGURE 1. Connector assembly – Continued.
NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±0.005 inch (0.13 mm) on decimals and ±2° on angles.
4. Mark in this area in white or yellow characters, 0.06 inch (1.5 mm) high, either side.
5. Frame surface shall be flush with the connector within +0.007 inch (0.18 mm), -0.004 inch (0.01 mm).
6. Top surface of the fin shall be flat for a minimum of 0.090 inch (2.29 mm) width along the total length.
7. Frame shall be flat within 0.006 inch (0.15 mm) T.I.R. in area described by section “A-A”.
8. Frame shall be perpendicular to connector mating interface within +0.005 inch (0.13 mm) (solder tail side) -0.010 inch (0.25 mm) opposite side.
9. Datum “B” is established by a plane passing through the center of the keying pin holes located by the 2.200 inch (55.88 mm) dimension.
10. The 0.037 inch (0.94 mm) ±0.003 inch (0.08 mm) dimension is measured from the Guide Rib Centerline.
11. For -06, -07, or -08, 0.095 ±0.001 dia x 0.150 deep.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Applicable connector: See table I.


Marking: In accordance with MIL-C-28754, table I and figure 1.

Part or Identifying Number (PIN): M28754/12- (dash number from table I).

Qualifications testing: Perform the applicable tests as specified in MIL-C-28754 and the appendix thereto.

Extended qualifications: Qualification of M28754/12-01, /12-02, /12-03, /12-04, or /12-05 extends qualification to other products as specified in the appendix to MIL-C-28754. Qualification of M28754/12-06, /12-07, or /12-08 extends qualification to other products as specified in the appendix to MIL-C-28754.
TABLE I. Dash number and applicable connector.

<table>
<thead>
<tr>
<th>Dash no.</th>
<th>Applicable connector</th>
<th>Description</th>
<th>Supersedes drawing no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>M28754/11-01</td>
<td>Uninsulated pin shield</td>
<td>0102-655, code 28687</td>
</tr>
<tr>
<td>02</td>
<td>M28754/11-01</td>
<td>Uninsulated pin shield</td>
<td>900AS2005, code 30030</td>
</tr>
<tr>
<td>03</td>
<td>M28754/11-02</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>M28754/11-02</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>M28754/11-02</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>M28754/11-03</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>M28754/11-03</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>M28754/11-03</td>
<td>Insulated pin shield</td>
<td></td>
</tr>
</tbody>
</table>

First article testing: Perform the applicable tests as specified in MIL-C-28754 and the appendix thereto.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Referenced documents. In addition to MIL-C-28754, this document references the following:

MIL-A-8625
SAE-AMS-QQ-250/8

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army – CR DLA - CC
Navy – AS (Project 5935-2014-064)
Air Force – 85
DLA - CC

Review activities:
Army AR, MI
Navy – MC
Air Force – 99

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 https://assist.dla.mil/.