DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPACTLE, ELECTRICAL, JAM-NUT MOUNTING, CRIMP TYPE, BAYONET COUPLING, SERIES I

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-38999.

FIGURE 1. Receptacle, classes E, T and P.
FIGURE 1. Receptacle, classes E, T and P - Continued.
<table>
<thead>
<tr>
<th>Shell size</th>
<th>DD dia ±.016</th>
<th>K +.011 -.010</th>
<th>L (class E) max (see MIL-DTL-38999)</th>
<th>L (class P) max (see MIL-DTL-38999)</th>
<th>L (class T) max (see MIL-DTL-38999)</th>
<th>M Thread class 2A UNEF (plated)</th>
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<tbody>
<tr>
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<table>
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<th>S ±.016</th>
<th>X +.005 -.001</th>
<th>Y ±.005</th>
<th>Z dia +.006 -.005</th>
<th>O-ring PIN M25988/3 dash number (see note 7)</th>
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<tbody>
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<td>1.062</td>
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</table>

**FIGURE 1.** Receptacle, classes E, T and P - Continued.
Inches | mm | Inches | mm | Inches | mm
--- | --- | --- | --- | --- | ---
.001 | 0.03 | .438 | 11.13 | 1.340 | 34.04
.005 | 0.13 | .469 | 11.91 | 1.375 | 34.93
.006 | 0.15 | .599 | 15.21 | 1.441 | 36.60
.010 | 0.25 | .655 | 16.64 | 1.449 | 36.80
.011 | 0.28 | .755 | 19.18 | 1.500 | 38.10
.015 | 0.38 | .777 | 19.74 | 1.566 | 39.78
.016 | 0.41 | .915 | 23.24 | 1.574 | 39.98
.045 | 1.14 | .942 | 23.93 | 1.625 | 41.28
.062 | 1.57 | .965 | 24.51 | 1.691 | 42.95
.075 | 1.90 | 1.062 | 26.97 | 1.699 | 43.15
.078 | 1.98 | 1.066 | 27.08 | 1.750 | 44.45
.094 | 2.39 | 1.090 | 27.69 | 1.812 | 46.02
.109 | 2.77 | 1.188 | 30.18 | 1.824 | 46.33
.125 | 3.18 | 1.191 | 30.25 | 1.938 | 49.23
.140 | 3.56 | 1.215 | 30.86 | 2.062 | 52.37
.141 | 3.58 | 1.250 | 31.75 | 2.188 | 55.58
.328 | 8.33 | 1.316 | 33.43 | 2.312 | 58.72

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. For main keyway and keyway positions, see MIL-DTL-38999.
4. Jam-nut mounting receptacles shall be provided with an O-ring.
5. Diameters M, DD and Z shall be concentric within .015 inches (0.38 mm) T.I.R.
6. Sides of groove may have 5° maximum taper.
7. See requirements.

FIGURE 1. Receptacle, classes E, T and P - Continued.
REQUIREMENTS:

Dimensions and configuration: See figure 1.
Interface dimensions shall be in accordance with MIL-DTL-38999.
Mating connectors: MS27467, MS27661 and MS27653.
Insert arrangements: See MIL-STD-1560.
Hex nut: See MS3186.
O-ring: See MIL-R-25988/3.

Part or Identifying Number (PIN) example:

<table>
<thead>
<tr>
<th>MS number</th>
<th>T</th>
<th>13</th>
<th>B</th>
<th>98</th>
<th>P</th>
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</table>

Class
Shell size
Finish
Insert arrangement
Contact style
Polarizing positions

Note: For the normal position only, no letter designator is marked on the part, and no letter designator is included in the PIN to indicate the "normal" position. A letter designator is required for all other polarization positions.

Specification restrictions

<table>
<thead>
<tr>
<th>Navy</th>
<th>Army</th>
<th>Air Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entire specification sheet inactive for new design.</td>
<td>For ground equipment only, class E is inactive for new design.</td>
<td>Classes E and P are inactive for new design.</td>
</tr>
</tbody>
</table>

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.
Referenced documents. In addition to MIL-DTL-38999, this document references the following:

- MIL-R-25988/3
- MIL-STD-1560
- MS3186
- MS27467
- MS27653
- MS27661

CONCLUDING MATERIAL

Custodians:
- Army - CR
- Navy - AS
- Air Force – 85
- DLA - CC

Preparing activity:
- DLA - CC
  (Project 5935–2017-033)

Review activities:
- Army - AR, MI
- Navy - EC, MC, OS
- Air Force - 19, 99
- DLA - IS

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.