DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE, BOX MOUNTING FLANGE, HERMETIC, BREECH COUPLING, HERMETIC SOLDER CONTACTS, SERIES IV, METRIC

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 N and Y.
## FIGURE 1. Receptacle, classes N and Y - Continued.

<table>
<thead>
<tr>
<th>Shell size</th>
<th>Shell size code</th>
<th>P dia</th>
<th>R BSC</th>
<th>S</th>
<th>T dia</th>
<th>U dia max</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>B</td>
<td></td>
<td>10.31 (.405)</td>
<td>26.7 (1.05)</td>
<td>20.15 (.793)</td>
<td>15.88 (.625)</td>
</tr>
<tr>
<td>13</td>
<td>C</td>
<td>3.5 (.137)</td>
<td>11.51 (.453)</td>
<td>29.1 (1.14)</td>
<td>23.35 (.919)</td>
<td>19.05 (.789)</td>
</tr>
<tr>
<td>15</td>
<td>D</td>
<td>3.1 (.122)</td>
<td>12.31 (.484)</td>
<td>31.5 (1.24)</td>
<td>26.52 (1.04)</td>
<td>23.01 (.905)</td>
</tr>
<tr>
<td>17</td>
<td>E</td>
<td></td>
<td>13.49 (.531)</td>
<td>33.9 (1.33)</td>
<td>29.72 (1.17)</td>
<td>25.81 (1.01)</td>
</tr>
<tr>
<td>19</td>
<td>F</td>
<td></td>
<td>14.68 (.577)</td>
<td>37.1 (1.46)</td>
<td>32.87 (1.29)</td>
<td>28.98 (1.14)</td>
</tr>
<tr>
<td>21</td>
<td>G</td>
<td></td>
<td>15.88 (.625)</td>
<td>40.2 (1.58)</td>
<td>36.05 (1.41)</td>
<td>32.16 (1.26)</td>
</tr>
<tr>
<td>23</td>
<td>H</td>
<td>4.0 (.157)</td>
<td>17.46 (.687)</td>
<td>43.4 (1.70)</td>
<td>39.22 (1.54)</td>
<td>34.93 (1.37)</td>
</tr>
<tr>
<td>25</td>
<td>J</td>
<td>3.6 (.141)</td>
<td>19.05 (.749)</td>
<td>46.6 (1.83)</td>
<td>42.40 (1.66)</td>
<td>37.69 (1.48)</td>
</tr>
</tbody>
</table>
NOTES:
1. Dimensions are in millimeters.
2. The gage features for "J" shall be 0.25 mm (.010 in) larger than the maximum material condition (mmc) size at basic location.
3. Inch-pound conversion are provided in parentheses for information only.

FIGURE 1. Receptacle, classes N and Y - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Interface dimensions shall conform to MIL-DTL-38999.

This connector mates with MIL-DTL-38999/46 and /47.

Main key color: Blue.

For insert arrangements: See MIL-STD-1560.

Part or Identifying Number (PIN) example:

<table>
<thead>
<tr>
<th>DOD no. prefix</th>
<th>Specification sheet no.</th>
<th>Class</th>
<th>Shell size code</th>
<th>Insert arrangement</th>
<th>Contact style</th>
<th>Polarizing position:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D38999/</td>
<td>41</td>
<td>N</td>
<td>B</td>
<td>35</td>
<td>P</td>
<td>N is required for normal position.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For contact termination: See MIL-DTL-38999.
MIL-DTL-38999/41B

Changes from previous issue. 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-38999, this document references the following:

MIL-STD-38999/46
MIL-STD-38999/47
MIL-STD-1560

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army - CR DLA - CC
Navy - AS
Air Force - 85 (Project 5935-2010-026)
DLA - CC

Review activities:
Army - AR, MI
Navy - EC, MC, OS
Air Force - 19, 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.daps.dla.mil.