DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE, SOLDER MOUNTING, 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.

AMSC N/A

FSC 5935
<table>
<thead>
<tr>
<th>Shell size code</th>
<th>Shell size code</th>
<th>F dia max</th>
<th>S dia max</th>
<th>T dia</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>B</td>
<td>19.9 (.783)</td>
<td>21.9 (.862)</td>
<td>20.15 (.793) 19.76 (.777)</td>
</tr>
<tr>
<td>13</td>
<td>C</td>
<td>23.1 (.909)</td>
<td>25.1 (.988)</td>
<td>23.35 (.919) 22.96 (.903)</td>
</tr>
<tr>
<td>15</td>
<td>D</td>
<td>26.3 (1.03)</td>
<td>28.2 (1.11)</td>
<td>26.52 (1.04) 26.13 (1.02)</td>
</tr>
<tr>
<td>17</td>
<td>E</td>
<td>29.4 (1.157)</td>
<td>31.4 (1.23)</td>
<td>29.72 (1.17) 29.33 (1.15)</td>
</tr>
<tr>
<td>19</td>
<td>F</td>
<td>31.8 (1.251)</td>
<td>33.8 (1.33)</td>
<td>32.87 (1.29) 32.48 (1.27)</td>
</tr>
<tr>
<td>21</td>
<td>G</td>
<td>35.0 (1.377)</td>
<td>37.0 (1.45)</td>
<td>36.05 (1.41) 35.66 (1.40)</td>
</tr>
<tr>
<td>23</td>
<td>H</td>
<td>38.2 (1.503)</td>
<td>40.2 (1.58)</td>
<td>39.22 (1.54) 38.83 (1.52)</td>
</tr>
<tr>
<td>25</td>
<td>J</td>
<td>41.4 (1.62)</td>
<td>43.3 (1.70)</td>
<td>42.40 (1.66) 42.01 (1.65)</td>
</tr>
</tbody>
</table>

**NOTES**
1. Dimensions are in millimeters.
2. Inch-pound conversions 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>
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</thead>
<tbody>
<tr>
<td>D38999/45</td>
<td>N</td>
<td>B</td>
<td>35</td>
<td>P</td>
<td>P – Pin, Solder cup.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X – Pin, Eyelet.</td>
</tr>
</tbody>
</table>
| Polarizing position: N is required for normal position.

For contact termination: See MIL-DTL-38999.

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-DTL-38999/46
MIL-DTL-38999/47
MIL-STD-1560
CONCLUDING MATERIAL

Custodians:  Preparing activity:
Army - CR  DLA - CC
Navy - AS  (Project 5935-2010-028)
Air Force - 85
DLA - CC

Review activities:
Army - AR, MI
Navy - EC, MS, 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.