DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, THREADED, RECEPTACLE, BOX MOUNTING FLANGE, HERMETIC, HERMETIC SOLDER CONTACTS, SERIES III, 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
## Connector dimensions

<table>
<thead>
<tr>
<th>Shell size</th>
<th>Shell size code</th>
<th>P ± .20</th>
<th>PP ± .20</th>
<th>R1 (see note 3)</th>
<th>R2 (see note 4)</th>
<th>S ± .3</th>
<th>V max</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>A</td>
<td>3.25 (.128)</td>
<td>5.49 (.216)</td>
<td>18.26 (.719)</td>
<td>15.09 (.594)</td>
<td>23.8 (.937)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>11</td>
<td>B</td>
<td>3.25 (.128)</td>
<td>4.93 (.194)</td>
<td>20.62 (.812)</td>
<td>18.26 (.719)</td>
<td>26.2 (1.031)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>13</td>
<td>C</td>
<td>3.25 (.128)</td>
<td>4.93 (.194)</td>
<td>23.01 (.906)</td>
<td>20.62 (.812)</td>
<td>28.6 (1.126)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>15</td>
<td>D</td>
<td>3.25 (.128)</td>
<td>4.39 (.173)</td>
<td>24.61 (.969)</td>
<td>23.01 (.906)</td>
<td>31.0 (1.220)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>17</td>
<td>E</td>
<td>3.25 (.128)</td>
<td>4.93 (.194)</td>
<td>26.97 (1.062)</td>
<td>24.61 (.969)</td>
<td>33.3 (1.311)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>19</td>
<td>F</td>
<td>3.25 (.128)</td>
<td>4.93 (.194)</td>
<td>29.36 (1.156)</td>
<td>26.97 (1.062)</td>
<td>36.5 (1.437)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>21</td>
<td>G</td>
<td>3.25 (.128)</td>
<td>4.93 (.194)</td>
<td>31.75 (1.250)</td>
<td>29.36 (1.156)</td>
<td>39.7 (1.563)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>23</td>
<td>H</td>
<td>3.91 (.154)</td>
<td>6.15 (.242)</td>
<td>34.93 (1.375)</td>
<td>31.75 (1.250)</td>
<td>42.9 (1.689)</td>
<td>21.4 (.843)</td>
</tr>
<tr>
<td>25</td>
<td>J</td>
<td>3.91 (.154)</td>
<td>6.15 (.242)</td>
<td>38.10 (1.500)</td>
<td>34.93 (1.375)</td>
<td>46.0 (1.811)</td>
<td>21.4 (.843)</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Dimensions are in millimeters.
2. Polarizing position N is shown.
3. Front or rear panel mounting.
4. Front panel mounting only.
5. Inch equivalents are given 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-38999/26.

Insert arrangements: See MIL-STD-1560.

Part or identifying Number (PIN) example:

- **DoD no. prefix**: D38999/
- **Specification sheet no.**: 21
- **Class**: 
- **Shell size code**: 
- **Insert arrangement**: Y
- **Contact style**: A
- **Polarizing position**: 35
  - **N is required for normal position**
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-STD-38999, this document references the following:

MIL-DTL-38999/26
MIL-STD-1560

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army – CR DLA - CC
Navy - AS (Project 5935-2008-019)
Air Force - 85
DLA - CC

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 this document. Since organization and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at http://assist.daps.dla.mil.