DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PLUG, CIRCULAR, THREADED, STRAIGHT, REMOVABLE CRIMP 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.

<table>
<thead>
<tr>
<th>Shell size</th>
<th>Shell size code</th>
<th>B dia + 0.2 - 0.0</th>
<th>B’ dia max (alternate design, classes J and M only)</th>
<th>H max number of ribs (alternate design, classes J and M only)</th>
<th>K max</th>
<th>S dia max</th>
<th>Z max</th>
<th>Z’ max (classes J and M only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>A</td>
<td>18.4 (.724)</td>
<td>20.6 (.811)</td>
<td>12 (19.0 (.748))</td>
<td>21.8</td>
<td>21.8 (.858)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
<tr>
<td>11</td>
<td>B</td>
<td>21.1 (.830)</td>
<td>23.6 (.929)</td>
<td>14 (21.9 (.862))</td>
<td>25.0</td>
<td>25.0 (.984)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
<tr>
<td>13</td>
<td>C</td>
<td>25.4 (.999)</td>
<td>28.2 (1.11)</td>
<td>16 (26.1 (1.03))</td>
<td>29.4</td>
<td>29.4 (1.157)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
<tr>
<td>15</td>
<td>D</td>
<td>28.7 (1.129)</td>
<td>31.3 (1.23)</td>
<td>18 (29.3 (1.15))</td>
<td>32.5</td>
<td>32.5 (1.27)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
<tr>
<td>17</td>
<td>E</td>
<td>32.2 (1.26)</td>
<td>34.5 (1.35)</td>
<td>20 (32.8 (1.29))</td>
<td>35.7</td>
<td>35.7 (1.40)</td>
<td>31.0</td>
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</tr>
<tr>
<td>19</td>
<td>F</td>
<td>34.9 (1.37)</td>
<td>37.3 (1.46)</td>
<td>22 (35.5 (1.39))</td>
<td>38.5</td>
<td>38.5 (1.51)</td>
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</tr>
<tr>
<td>21</td>
<td>G</td>
<td>38.1 (1.49)</td>
<td>40.5 (1.59)</td>
<td>24 (38.7 (1.52))</td>
<td>41.7</td>
<td>41.7 (1.64)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
<tr>
<td>23</td>
<td>H</td>
<td>41.1 (1.61)</td>
<td>43.7 (1.72)</td>
<td>26 (41.7 (1.64))</td>
<td>44.9</td>
<td>44.9 (1.76)</td>
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<td>31.5 (1.240)</td>
</tr>
<tr>
<td>25</td>
<td>J</td>
<td>44.3 (1.74)</td>
<td>46.8 (1.84)</td>
<td>28 (44.9 (1.76))</td>
<td>48.0</td>
<td>48.0 (1.88)</td>
<td>31.0</td>
<td>31.5 (1.240)</td>
</tr>
</tbody>
</table>

**NOTES:**

1. Dimensions are in millimeters.
2. Inch equivalents are given for information only.
3. Knurl design: Straight pattern, or “flute”, design optional, provided the design includes the specified flat or scalloped “4 places min” areas between the knurled areas. For the alternate design for classes J and M, the design shall include “H MAX” number of ribs. The minimum length of flats between knurls on the outside diameter of the coupling nut shall be at least 2/3 the length of the coupling nut. For classes T and Z only, knurled areas on the coupling nut may be omitted, provided the minimum number of specified flat or scalloped areas are included.

REQUIREMENTS:

Dimensions and configuration: See figure 1. Interface dimensions shall be in accordance with MIL-DTL-38999.

This connector mates with MIL-DTL-38999/20, /21, /22, /23, /24, /25 and /27.

For insert arrangements: See MIL-STD-1560.

Connector accessories: SAE-AS85049.

Part or Identifying Number (PIN) example:

```
D38999/ 26 W A 35 P N
```

DoD number prefix
Specification sheet number
Class
Shell size code
Insert arrangement
Contact style
Polarizing positions
N is required for normal position.

Class F is not for Navy use and is inactive for Air Force new design use.

NOTE: The term PIN is equivalent to the term (part number, identification number, and type designator) which was previously used in this specification.

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 last previous issue.

Referenced documents. In addition to MIL-DTL-38999, this document references the following:

- MIL-STD-1560
- MIL-DTL-38999/20
- MIL-DTL-38999/21
- MIL-DTL-38999/22
- MIL-DTL-38999/23
- MIL-DTL-38999/24
- MIL-DTL-38999/25
- MIL-DTL-38999/27
- SAE-AS85049
MIL-DTL-38999/26G
w/AMENDMENT 1

CONCLUDING MATERIAL

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

Preparing activity:
DLA - CC

(Project 5935-2017-142)

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.dla.mil.