DETAIL SPECIFICATION SHEET


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-83723.

FIGURE 1. Dimensions and configurations.

AMSC N/A  FSC 5935
FIGURE 1. Dimensions and configurations - Continued.
<table>
<thead>
<tr>
<th>Shell size</th>
<th>A Thread UNEF-2B</th>
<th>B</th>
<th>C</th>
<th>H</th>
<th>J</th>
<th>K dia min</th>
<th>W dia max</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>.5625-24</td>
<td>.290 (7.37)</td>
<td>.025 (.64)</td>
<td>.294 (7.47)</td>
<td>.405 (10.29)</td>
<td>.396 (10.06)</td>
<td>.575 (14.61)</td>
</tr>
<tr>
<td>10</td>
<td>.6875-24</td>
<td>.388 (9.86)</td>
<td>.428 (10.87)</td>
<td>.526 (13.36)</td>
<td>.707 (17.96)</td>
<td>.908 (23.06)</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>.875-20</td>
<td>.558 (14.17)</td>
<td>.598 (15.19)</td>
<td>.696 (17.68)</td>
<td>.895 (22.73)</td>
<td>1.080 (27.43)</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>.9375-20</td>
<td>.627 (15.93)</td>
<td>.667 (16.94)</td>
<td>.765 (19.43)</td>
<td>.957 (24.31)</td>
<td>1.143 (29.03)</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>1.0625-18</td>
<td>.772 (19.61)</td>
<td>.794 (20.17)</td>
<td>.892 (22.66)</td>
<td>.883 (22.43)</td>
<td>1.084 (27.53)</td>
<td>1.268 (32.21)</td>
</tr>
<tr>
<td>18</td>
<td>1.1875-18</td>
<td>.860 (21.84)</td>
<td>.900 (22.86)</td>
<td>.998 (25.35)</td>
<td>.989 (25.12)</td>
<td>1.209 (30.71)</td>
<td>1.377 (34.98)</td>
</tr>
<tr>
<td>20</td>
<td>1.3125-18</td>
<td>.985 (25.02)</td>
<td>1.025 (26.04)</td>
<td>1.123 (28.52)</td>
<td>1.114 (28.30)</td>
<td>1.334 (33.88)</td>
<td>1.512 (38.40)</td>
</tr>
<tr>
<td>22</td>
<td>1.4375-18</td>
<td>1.110 (28.19)</td>
<td>1.150 (29.21)</td>
<td>1.248 (31.70)</td>
<td>1.239 (31.47)</td>
<td>1.459 (37.06)</td>
<td>1.627 (41.33)</td>
</tr>
<tr>
<td>24</td>
<td>1.5625-18</td>
<td>1.235 (31.37)</td>
<td>1.275 (32.39)</td>
<td>1.373 (34.87)</td>
<td>1.364 (34.65)</td>
<td>1.584 (40.23)</td>
<td>1.762 (44.75)</td>
</tr>
</tbody>
</table>

FIGURE 1. Dimensions and configurations - Continued.
### NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .005 (0.13 mm) for three place decimals and ± .01 (0.25 mm) for two place decimals and ± 1° for all angles.
4. The dimensions showing the relationship between the coupling ring and shell apply only when the coupling ring is in the fully forward position.
5. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723.
6. Shell size 8 will not mate with MIL-DTL-26500 connectors.
7. The centerline of indicated projection must be located on vertical centerline ± 2°.
8. See table I for contact cavities requiring this dimension.

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**FIGURE 1. Dimensions and configurations** - Continued.
REQUIREMENTS:

Dimensions and configurations: See figure 1.

This connector mates with MIL-DTL-83723/82 and MIL-DTL-83723/84.

Insert arrangements and polarizing positions: See MIL-STD-1554 and table I.

<table>
<thead>
<tr>
<th>Shell size</th>
<th>Insert arrangements</th>
<th>Contact cavities</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>03</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>10</td>
<td>06</td>
<td>1, 2, 3, 4, 5, 6</td>
</tr>
</tbody>
</table>

Connector accessories: See SAE-AS85049.

Part or Identifying Number (PIN) example:

<table>
<thead>
<tr>
<th>Military designation</th>
<th>87</th>
<th>W</th>
<th>22</th>
<th>55</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>M83723</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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-83723, this document references the following:

- MIL-STD-1554
- MIL-DTL-26500
- MIL-DTL-83723/82
- MIL-DTL-83723/84
- SAE-AS85049
CONCLUDING MATERIAL

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

Preparing activity: DLA - CC

Review activities: (Project 5935-2017-154)
Army - AR, MI  
Navy - EC  
Air Force - 19, 99

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