DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE, DUMMY STOWAGE, BAYONET COUPLING, (MIL-DTL-27599 SERIES I AND MIL-DTL-38999 SERIES I)

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. Dummy receptacle, finishes B, T and Z.
FIGURE 1. Dummy receptacle, finishes B, T and Z - Continued.
## Dimensions

<table>
<thead>
<tr>
<th>Shell size</th>
<th>K ±.015</th>
<th>M ±.010</th>
<th>T dia ±.010</th>
<th>R BSC ±.020</th>
<th>J +.010</th>
<th>S - .015</th>
<th>X (TP)</th>
<th>Y (TP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>.085</td>
<td>.727</td>
<td>.128</td>
<td>.3595</td>
<td>.938</td>
<td>77°</td>
<td>113°</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td>.406</td>
<td>1.031</td>
<td>67°</td>
<td>123°</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td>.453</td>
<td>1.125</td>
<td>63°</td>
<td>127°</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td>.4845</td>
<td>1.219</td>
<td>61°</td>
<td>129°</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
<td></td>
<td>.531</td>
<td>1.312</td>
<td>65°</td>
<td>125°</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td>.578</td>
<td>1.438</td>
<td>65°</td>
<td>125°</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td>.625</td>
<td>1.562</td>
<td>65°</td>
<td>125°</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>.115</td>
<td>.697</td>
<td>.147</td>
<td>.6875</td>
<td>1.688</td>
<td>69°</td>
<td>121°</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td>.750</td>
<td>1.812</td>
<td>69°</td>
<td>121°</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. The gage features for GG shall be .010 (0.25 mm) smaller than the MMC size at basic location.
4. Flange is solid.
5. Dummy receptacles are used when unmated plugs must be protected.

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**FIGURE 1.** Dummy receptacle, finishes B, T and Z - Continued.
REQUIREMENTS:

Dimensions and configuration: See figure 1. 
Interface dimensions shall conform to MIL-DTL-38999, except as noted. 
This receptacle mates with MS27467, MS27653 and MS27661 connectors. 
Fits all polarization positions. 
Shell material and finish: Aluminum alloy as specified in MIL-DTL-38999 with finishes B, T or Z. 
Sealing gasket: Non-corrosive silicone or fluorosilicone elastomer. 
Air leakage: Testing shall be in accordance with EIA-364-02, except the minimum period of 
measurement shall be 10 seconds. The air leakage rate shall be no greater than 1 atmospheric cubic 
inch per hour (4.55 X 10⁻³ cm³/s). Stowage receptacles shall be mated to connectors having either 
contacts or inserts removed so that a pressure of 10 lb-ft/in² (.703 Kg/cm²) can be applied against the 
insides of the stowage receptacles. 

Part or Identifying Number (PIN) is equivalent to the term (part number, identification number, and type 
designator) which was previously used in this specification. Example:

DoD number prefix ______________________
Specification sheet number ______________________
Shell size ______________________
Finish ______________________

NOTE: In the PIN, a dash symbol (“-”) shall be placed between the specification sheet number and 
shell size.

QUALIFICATION:

Qualification (all classes). Qualification shall be in accordance with MIL-DTL-38999, conducted on two 
samples of each shell size, except only the following test sequence shall be required:

Visual and mechanical 
Dynamic salt spray (corrosion) 
Coupling torque 
Coupling pin strength 
Air leakage (see requirement) 
Post test examination
Group A sampling inspection. Sampling for group A inspection shall be as specified in table I.

<table>
<thead>
<tr>
<th>Lot size</th>
<th>Sampling size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 13</td>
<td>100 percent</td>
</tr>
<tr>
<td>14 to 150</td>
<td>13 units</td>
</tr>
<tr>
<td>151 to 280</td>
<td>20 units</td>
</tr>
<tr>
<td>281 to 500</td>
<td>29 units</td>
</tr>
<tr>
<td>501 to 1,200</td>
<td>34 units</td>
</tr>
<tr>
<td>1,201 to 3,200</td>
<td>42 units</td>
</tr>
<tr>
<td>3,201 and up</td>
<td>54 units</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-38999, this document references the following:

- MIL-DTL-27599
- MS27467
- MS27653
- MS27661
- EIA-364-02

CONCLUDING MATERIAL

Custodians: Preparing activity:
Army – CR DLA – CC
Navy – AS
Air Force – 85 (Project 5935-2017-133)
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 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.