DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPTACLE, ELECTRICAL, BOX MOUNTING,
CRIMP TYPE, BAYONET COUPLING, 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. Receptacle, class E.
FIGURE 1. Receptacle, class E - Continued.
### TABLE

<table>
<thead>
<tr>
<th>Shell size</th>
<th>K (+.015, -.000)</th>
<th>L (max)</th>
<th>M (+.000, -.005)</th>
<th>P (dia +.010, -.005)</th>
<th>R (BSC)</th>
<th>±.020</th>
<th>X max (dia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>.3595</td>
<td>.938</td>
<td>.469</td>
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<td>.085</td>
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<td>.632</td>
<td>.128</td>
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<td>.594</td>
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<td>.453</td>
<td>1.125</td>
<td>.719</td>
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<td>.312</td>
<td>.632</td>
<td>.128</td>
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<td>.531</td>
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<td>.969</td>
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<td></td>
<td></td>
<td>.750</td>
<td>1.812</td>
<td>1.453</td>
</tr>
</tbody>
</table>

### NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. For main keyway and keyway positions, see MIL-DTL-38999.
4. The gauge features for GG shall be .010 (0.25 mm) smaller than the MMC size at basic location.

**FIGURE 1.** Receptacle, class E - Continued.
REQUIREMENTS:

Dimensions and configuration: See figure 1.
Interface dimensions shall be in accordance with MIL-DTL-38999.
Mating connectors: MS27467, MS27661 and MS27653.
Insert arrangements: See MIL-STD-1560.

Part or Identifying Number (PIN) example:

<table>
<thead>
<tr>
<th>MS number</th>
<th>Class</th>
<th>Shell size</th>
<th>Finish</th>
<th>Insert arrangement</th>
<th>Contact style</th>
<th>Polarizing positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS27496</td>
<td>E</td>
<td>15 F 18 P</td>
<td>A</td>
<td></td>
<td></td>
<td>No letter is required for normal.</td>
</tr>
</tbody>
</table>

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-STD-1560
- MS27467
- MS27661
- MS27653

CONCLUDING MATERIAL

Custodians:  Preparing activity:
Army - CR          DLA - CC
Navy - AS          (Project 5935–2012-022)
Air Force – 85
DLA - CC

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.daps.dla.mil.