MILITARY SPECIFICATION SHEET

CONTACTS, ELECTRICAL CONNECTOR,
SOCKET, CRIMP REMOVABLE, (FOR
MIL-C-28748/4 AND MIL-C-28748/14 CONNECTORS)

This specification is approved for use by all Depart-
ments and Agencies of the Department of Defense.

The complete requirements for procuring the contacts described herein shall
consist of this document and the latest issue of Specification MIL-C-39029.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon
   1.00 inch = 25.4 mm.
3. Dimensions shown apply after plating.
4. Wall thickness of any part of contact shall be not less than .010 (.25 mm).

FIGURE 1. Dimensions and configuration.

FSC 5935

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<table>
<thead>
<tr>
<th>R</th>
<th>S/I</th>
<th>P</th>
<th>N</th>
<th>M</th>
<th>L</th>
<th>K</th>
<th>J</th>
<th>G</th>
<th>F</th>
<th>E</th>
<th>D</th>
<th>C</th>
<th>B</th>
<th>A</th>
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**TABLE I: Dimensions**

- **R**: Half of the overall length of the connector.
- **S/I**: Overall length of the connector.
- **P**: Diameter at the body of the connector.
- **N**: Diameter of the pin, where applicable.
- **M**: Diameter of the hole, where applicable.
- **L**: Diameter of the shoulder, where applicable.
- **K**: Diameter of the key, where applicable.
- **J**: Diameter of the pin, where applicable.
- **G**: Diameter of the hole, where applicable.
- **F**: Diameter of the pin, where applicable.
- **E**: Diameter of the hole, where applicable.
- **D**: Diameter of the pin, where applicable.
- **C**: Diameter of the hole, where applicable.
- **B**: Diameter of the pin, where applicable.
- **A**: Diameter of the pin, where applicable.

*Note: All dimensions are within ±0.08 (3 mm).*

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TABLE II. Design characteristics.

<table>
<thead>
<tr>
<th>BIN code</th>
<th>Color bands</th>
<th>Mating Wire end size</th>
<th>Wire barrel size</th>
<th>Type</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>274</td>
<td>Red Violet</td>
<td>Yellow</td>
<td>20</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>275</td>
<td>Red Violet</td>
<td>Green</td>
<td>16</td>
<td></td>
<td></td>
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<tr>
<td>276</td>
<td>Red Violet</td>
<td>Blue</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>441</td>
<td>Yellow</td>
<td>Brown</td>
<td>22</td>
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</table>

TABLE III. Tools.

<table>
<thead>
<tr>
<th>BIN code</th>
<th>Basic crimping tool</th>
<th>Positioner tool</th>
<th>Installing tool</th>
<th>Removal tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>274</td>
<td>M22520/1-01</td>
<td>M22520/1-03</td>
<td>M81609/18-01</td>
<td>M81609/20-01</td>
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<tr>
<td>275</td>
<td>M22520/1-01</td>
<td>M22520/1-03</td>
<td>M81609/18-01</td>
<td>M81609/20-01</td>
</tr>
<tr>
<td>276</td>
<td>M22520/1-01</td>
<td>M22520/1-03</td>
<td>M81609/18-01</td>
<td>M81609/20-01</td>
</tr>
<tr>
<td>441</td>
<td>M22520/2-01</td>
<td>Buchanan 615695, Daniels K280, or equivalent</td>
<td>M81969/18-02</td>
<td>M81969/20-02</td>
</tr>
</tbody>
</table>

REQUIREMENTS:

Dimensions, design characteristics, and configuration: See FIGURE 1 and TABLES I and II.

Tools: See TABLE III.

A Vibration: Method 2005 of MIL-STD-1344, test condition II.


Mating contact: See MIL-C-39029/34.

QPL evaluating activity: Naval Avionics Center, Indianapolis, Indiana 46218

Military part numbers: See TABLE IV.

TABLE IV. Military part number.

<table>
<thead>
<tr>
<th>BIN code</th>
<th>Military part number</th>
<th>Supersedes</th>
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<tbody>
<tr>
<td>274</td>
<td>M39029/274</td>
<td>MS17804-20-20</td>
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<td>275</td>
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<td>MS17804-16-20</td>
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<tr>
<td>276</td>
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<td>MS17804-16-16</td>
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<tr>
<td>441</td>
<td>M39029/441</td>
<td>MS350925-35-22-22</td>
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MIL-C-39029/35A

Custodians:
Army - CR
Navy - EC
Air Force - 85

Review activities:
Army - AR, MI, AT
Navy - AS, SH
Air Force - 11, 17, 99
DLA - ES

User activities:
Army - ME, AV
Navy - MC, OS
Air Force -

Preparing activity:
Navy - EC
Agent:
DLA - ES
(Project 5935-3097-7)

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    **C. REASON FOR RECOMMENDED CHANGE(S)**

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