**3M™ DIN C-Form Socket**

**Vertical, Solder Tail or Press-Fit Termination**

DIN 41612 Series

- Multi-pin count socket compatible with VME, Multibus II, and VXI backpanels
- Expanded pin counts
- Optional press-fit or solder tail termination
- Mates with C-form and R-form plugs
- Optional retention clip
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3M.com/Interconnects for compliance information (RIA E1 & C1 apply)

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**Physical**

**Insulation:**
- Material: Glass Filled Polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray

**Contact:**
- Material: Copper Alloy

**Plating:**
- Underplating: 50 μ” Min.Nickel
- Wiping Area: See Ordering Information
- Termination: See Ordering Information

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**Electrical**

- Current Rating: 3.0A at 30°C T-rise above Ambient
- Contact Resistance: ≤20 mΩ
- Insulation Resistance: ≥1,000 MΩ, 100VDC
- Withstanding Voltage: 1,000 VAC for 1 minute

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**Environmental**

**Temperature Rating:** -55°C to 125°C

**Process Temperature Rating:** Maximum Insulator Temperature 191°C (solder wave process only)

UL File No.: E68080

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For technical, sales or ordering information call 800-225-5373
### Table 1

<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>DIN-032CSB-XXX-XXXX</td>
<td>54.40 [2.142]</td>
<td>44.40 [1.748]</td>
<td>50.00 [1.969]</td>
<td>38.10 [1.500]</td>
</tr>
<tr>
<td>32</td>
<td>DIN-032CSD-XXX-XXXX</td>
<td>54.40 [2.142]</td>
<td>44.40 [1.748]</td>
<td>50.00 [1.969]</td>
<td>38.10 [1.500]</td>
</tr>
<tr>
<td>16</td>
<td>DIN-016CSE-XXX-XXXX</td>
<td>95.00 [3.740]</td>
<td>85.00 [3.346]</td>
<td>90.00 [3.543]</td>
<td>78.74 [3.100]</td>
</tr>
<tr>
<td>64</td>
<td>DIN-064CSB-XXX-XXXX</td>
<td>95.00 [3.740]</td>
<td>85.00 [3.346]</td>
<td>90.00 [3.543]</td>
<td>78.74 [3.100]</td>
</tr>
<tr>
<td>96</td>
<td>DIN-096CSC-XXX-XXXX</td>
<td>95.00 [3.740]</td>
<td>85.00 [3.346]</td>
<td>90.00 [3.543]</td>
<td>78.74 [3.100]</td>
</tr>
<tr>
<td>64</td>
<td>DIN-064CSD-XXX-XXXX</td>
<td>95.00 [3.740]</td>
<td>85.00 [3.346]</td>
<td>90.00 [3.543]</td>
<td>78.74 [3.100]</td>
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<td>32</td>
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<td>95.00 [3.740]</td>
<td>85.00 [3.346]</td>
<td>90.00 [3.543]</td>
<td>78.74 [3.100]</td>
</tr>
</tbody>
</table>

**Dimensions:**

- **A:** 3.80 (.150)
- **B:** 10.50 (0.413)
- **C:** 2.54 (.100)
- **D:** 1.00 (.039)
- **E:** 0.30 (.012)

**Tolerance Unless Noted:**

<table>
<thead>
<tr>
<th>X</th>
<th>.X</th>
<th>.XX</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>± 0.50</td>
<td>± 0.25</td>
</tr>
</tbody>
</table>

[] Dimension for Reference Only
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**RECOMMENDED PCB LAYOUT**

**Ordering Information**

- **DIN - XXXCS X - XXX - XX**
- **Contact Quantity:** SEE TABLE 1
- **Termination Options:** SEE TABLE 2
- **Plating Options:**
  - SH = 1 - 3 μ" Gold on Contact
  - 120 - 200 μ" Matte Tin on Terminal
  - FJ = 10 - 20 μ" Gold on Contact
  - 120 - 200 μ" Matte Tin on Terminal
  - KR = 30 - 40 μ" Gold on Contact
  - 120 - 200 μ" Matte Tin on Terminal
  - HM = 3 μ" Gold on contact area, 1 - 3 μ" Gold on Board Termination
  - KV = 30 μ" Gold on contact area, 1 - 3 μ" Gold on Board Termination

**Table 2**

<table>
<thead>
<tr>
<th>SOLDER TERMINATION OPTION NO.</th>
<th>DIM “C” mm (in)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1L</td>
<td>3.75 (.148)</td>
<td>with Retention Clips</td>
</tr>
<tr>
<td>R3L</td>
<td>2.29 (.090)</td>
<td>with Retention Clips</td>
</tr>
<tr>
<td>S1L</td>
<td>3.75 (.148)</td>
<td>no Retention Clips</td>
</tr>
<tr>
<td>S3L</td>
<td>2.29 (.090)</td>
<td>no Retention Clips</td>
</tr>
<tr>
<td>W</td>
<td>14.70 (.579)</td>
<td>no Retention Clips</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESS-FIT TERMINATION OPTION NO.</th>
<th>DIM “C” mm (in)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS</td>
<td>5.99 (.236)</td>
<td></td>
</tr>
<tr>
<td>PSL</td>
<td>4.25 (.167)</td>
<td></td>
</tr>
<tr>
<td>PW1</td>
<td>12.90 (.508)</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** A and E options are not currently covered in UL File No. E68080
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