3M™ Through-Board Socket

2.54 mm x 2.54 mm, Dual Entry, Surface Mount

963 Series

- High temperature dielectric
- “No lead” reflow solder compatible
- Dual row design, 4–60 pins
- Mates with pin headers for board stacking applications
- Dual entry design allows mating from top side or bottom side through the printed circuit board
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the RoHS compliance section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

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**Physical**

**Insulation**
- Material: High Temperature Thermoplastic
- Flammability: UL 94V-0
- Color: Black

**Contact**
- Material: Copper Alloy

**Plating**
- Underplating: 1.25–2.5 µm [50–100 µ"] Nickel
- Wiping Area: Flash Gold
- Solder Tail Area: 1–3 µm [40–118 µ"] Matte Tin

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**Electrical**

- Current Rating: 2 A
- Insulation Resistance: $> 5 \times 10^8$ Ohm at 100 V$_{DC}$
- Withstanding Voltage: 1000 V$_{DC}$

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**Environmental**

- Temperature Range: -25 °C to +105 °C
- Processing Temperature: max. 260 °C (Profile per J-STD-020C)
- Moisture Sensitivity Level: 1 (per J-STD-020C)

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UL File No.: E68080

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#### Ordering Information

**Contact Quantity:**

| 04-60 Pins / 2 Row |

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**9632XX - 2000 - AR - XX**

*RIA E1 & C1 Apply*

**Packaging:**

- TP = Tube without Pad (4 to 60 pos)
- PT = Tube with Pad (10 to 60 pos)
- PR = Tape & Reel with Pad (10 to 60 pos)

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**Tape & Reel Option**

<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>10</th>
<th>12–16</th>
<th>18–24</th>
<th>26–34</th>
<th>36–44</th>
<th>46–56</th>
<th>58–60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tape Width [mm]</td>
<td>24</td>
<td>32</td>
<td>44</td>
<td>56</td>
<td>72</td>
<td>88</td>
<td>104</td>
</tr>
</tbody>
</table>

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**Tolerance Unless Noted [mm]**

<table>
<thead>
<tr>
<th>Linear Dim</th>
<th>+/- 0.1</th>
<th>+/- 0.1</th>
<th>+/- 0.2</th>
<th>+/- 0.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Size</td>
<td>0.5–3</td>
<td>3–6</td>
<td>6–30</td>
<td>30–120</td>
</tr>
<tr>
<td>Radii</td>
<td>+/- 0.2</td>
<td>+/- 0.5</td>
<td>+/- 1</td>
<td>+/- 1</td>
</tr>
</tbody>
</table>

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