3M™ Pin Strip Header
2 mm and 2 mm x 2 mm Straight and Right Angle, Solder Tail 951 Series

- High temperature dielectric
- “No lead” wave and reflow solder compatible
- Maximizes use of PC board space
- End stackable feature
- Mates with boardmount and wiremount products
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the RoHS compliance section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Physical

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

**Contact**
- Material: Copper Alloy

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

Electrical

**Current Rating:** 1 A
**Insulation Resistance:** > 5 x 10⁸ Ohm at 100 V<sub>DC</sub>
**Withstanding Voltage:** 1000 V<sub>DC</sub>
**Transition Resistance:** ≤ 20 mΩhm

Environmental

**Temperature Range:** -40 °C to +105 °C
**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

Date Modified: November 19, 2014

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Ordering Information

951XXX — XX22 — AR (RIA E1 & C1 Apply)

Rows:
1 = 1 Row
2 = 2 Row

Contact Quantity:
02-40 Pins / 1 Row
04-80 Pins / 2 Row

Mounting Style:
8 = Vertical, Solder Tail
7 = Right Angle, Solder Tail

Mating Pin Length
Dimension B:
6 = 4.4 mm
7 = 7.5 mm
(for Right Angle only)

Tolerance Unless Noted [mm]

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

n = No. of Contacts

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