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

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

Date Modified: November 27, 2012

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

Electrical

Current Rating: 1 A
Insulation Resistance: > 5 x 10^8 Ohm at 100 V_{DC}
Withstanding Voltage: 1000 V_{DC}
Transition Resistance: ≤ 20 mOhm

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
### 3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Dual Insulator, Straight, Solder Tail

**951 Series**

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#### Contact Dimensions

<table>
<thead>
<tr>
<th>Coding No.</th>
<th>A</th>
<th>Mating Length B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>10.8</td>
<td>4.0</td>
<td>2.8</td>
<td>4.0</td>
</tr>
<tr>
<td>11</td>
<td>11.9</td>
<td>4.0</td>
<td>2.8</td>
<td>5.1</td>
</tr>
<tr>
<td>15</td>
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<td>4.0</td>
<td>2.8</td>
<td>7.5</td>
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<td>19</td>
<td>16.5</td>
<td>4.0</td>
<td>2.8</td>
<td>9.7</td>
</tr>
<tr>
<td>22</td>
<td>18.6</td>
<td>4.0</td>
<td>2.8</td>
<td>11.8</td>
</tr>
<tr>
<td>25</td>
<td>21.2</td>
<td>4.0</td>
<td>2.8</td>
<td>14.4</td>
</tr>
</tbody>
</table>

Others on Request

#### Mating Pin Length Dimension B:

- 01 = 4.0 mm
- 06 = 5.9 mm

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#### Ordering Information

**9514XX—XXX XX 06—AR**  
(RIA E1 & C1 Apply)

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

- **Mounting Style:**
  - 8 = Solder Tail, 2 Row
  - 9 = Solder Tail, 1 Row

- **Coding Number:** see Table

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**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>
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</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>

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Interconnect Solutions

www.3Mconnectors.com
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