3M™ Pin Strip Header
2 mm x 2 mm Dual Insulator, Straight, Surface Mount  951 Series

- High temperature dielectric
- “No lead” reflow solder compatible
- Maximizes use of PC board space
- End stackable feature
- Mates with boardmount 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 10⁶ Ohm at 100 V<sub>DC</sub>
- Withstanding Voltage: 1000 V<sub>DC</sub>
- 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

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For technical, sales or ordering information call your Local 3M Service Center
3M™ Pin Strip Header
2 mm x 2 mm Dual Insulator, Straight, Surface Mount

Electronic Materials Solutions Division
http://www.3Mconnectors.com

Contact Dimensions

<table>
<thead>
<tr>
<th>Coding No.</th>
<th>A</th>
<th>Mating Length</th>
<th>D</th>
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Others on Request

Contact Dimensions

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</table>

Others on Request

Ordering Information

9514XX - XXXXX 09 - AR - XX

Contact Quantity:
04–80 Pins / 2 Row

Mounting Style:
2 = Surface Mount, without Loc. Posts, 2 Row
4 = Surface Mount, with Loc. Posts, 2 Row
(8–16 Contacts / others on Request)

Mating Pin Length
Dimension B:
01 = 4.0 mm
06 = 5.9 mm

Tolerance Unless Noted [mm]

<table>
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<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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<td>+/-1</td>
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Note: Pad options 8 to 80 pos.

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TS-2159-D
Sheet 2 of 2
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Electronic Materials Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnectors.com

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