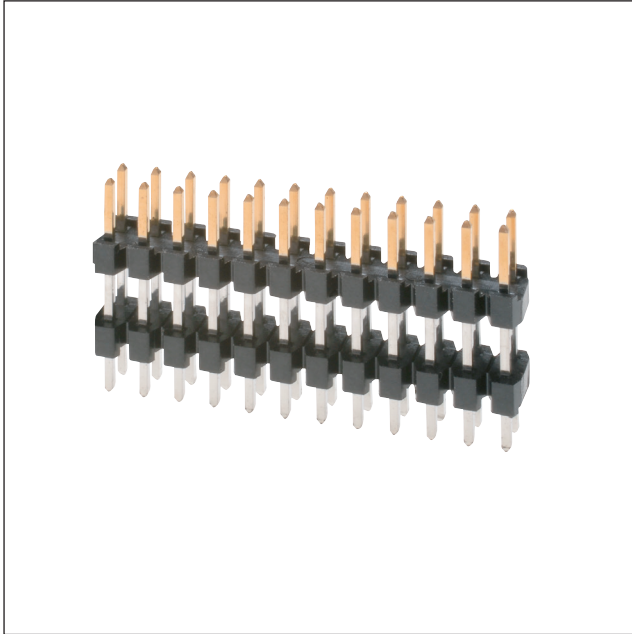


# 3M™ Pin Strip Header

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](http://www.3Mconnectors.com) for compliance information (RIA E1 & C1 apply)

Date Modified: November 27, 2012

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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  $\mu\text{m}$  [50–100  $\mu''$ ] Nickel  
Wiping Area: Flash Gold  
Solder Tail Area: 1–3  $\mu\text{m}$  [40–118  $\mu''$ ] Matte Tin

## Electrical

Current Rating: 1 A  
Insulation Resistance:  $> 5 \times 10^8$  Ohm at 100 V<sub>DC</sub>  
Withstanding Voltage: 1000 V<sub>DC</sub>  
Transition Resistance:  $\leq 20$  mOhm

## Environmental

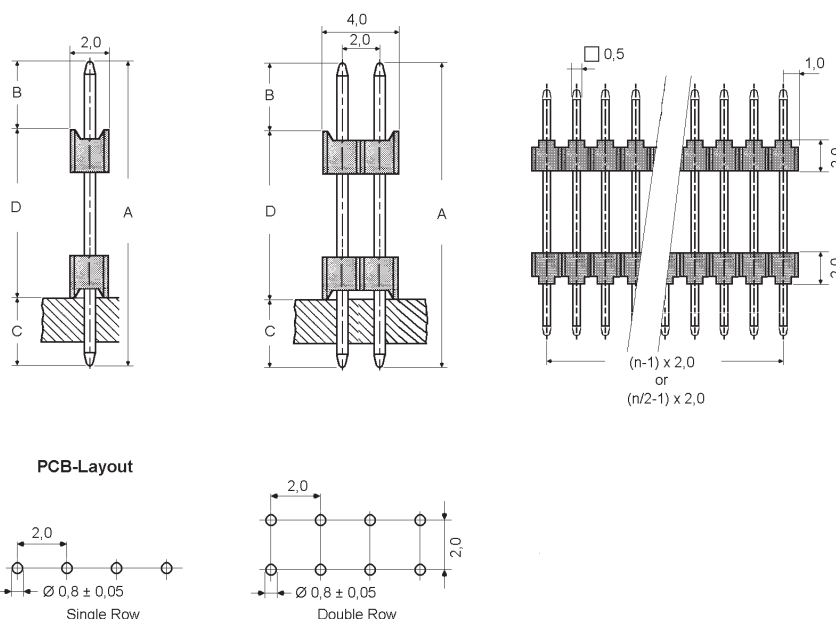
Temperature Range: -40 °C to +105 °C  
Processing Temperature: max. 260 °C (Profile per J-STD-020C)  
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

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| Contact Dimensions |      |                 |     |      |
|--------------------|------|-----------------|-----|------|
| Coding No.         | A    | Mating Length B | C   | D    |
| 08                 | 10.8 | 4.0             | 2.8 | 4.0  |
| 11                 | 11.9 | 4.0             | 2.8 | 5.1  |
| 15                 | 14.3 | 4.0             | 2.8 | 7.5  |
| 19                 | 16.5 | 4.0             | 2.8 | 9.7  |
| 22                 | 18.6 | 4.0             | 2.8 | 11.8 |
| 25                 | 21.2 | 4.0             | 2.8 | 14.4 |
| Others on Request  |      |                 |     |      |

| Contact Dimensions |      |                 |     |      |
|--------------------|------|-----------------|-----|------|
| Coding No.         | A    | Mating Length B | C   | D    |
| 08                 | 12.7 | 5.9             | 2.8 | 4.0  |
| 11                 | 13.8 | 5.9             | 2.8 | 5.1  |
| 15                 | 16.2 | 5.9             | 2.8 | 7.5  |
| 19                 | 18.4 | 5.9             | 2.8 | 9.7  |
| 22                 | 20.5 | 5.9             | 2.8 | 11.8 |
| 25                 | 23.1 | 5.9             | 2.8 | 14.4 |
| Others on Request  |      |                 |     |      |

n = No. of Contacts

| Tolerance Unless Noted [mm] |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|
| Nominal Size                | 0.5–3   | 3–6     | 6–30    | 30–120  |
| Linear Dim                  | +/- 0.1 | +/- 0.1 | +/- 0.2 | +/- 0.3 |
| Radii                       | +/- 0.2 | +/- 0.5 | +/- 1   | +/- 1   |

## 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

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

Bord Stacking Height (D):  
Coding Number: see Table

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Sheet 2 of 2

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