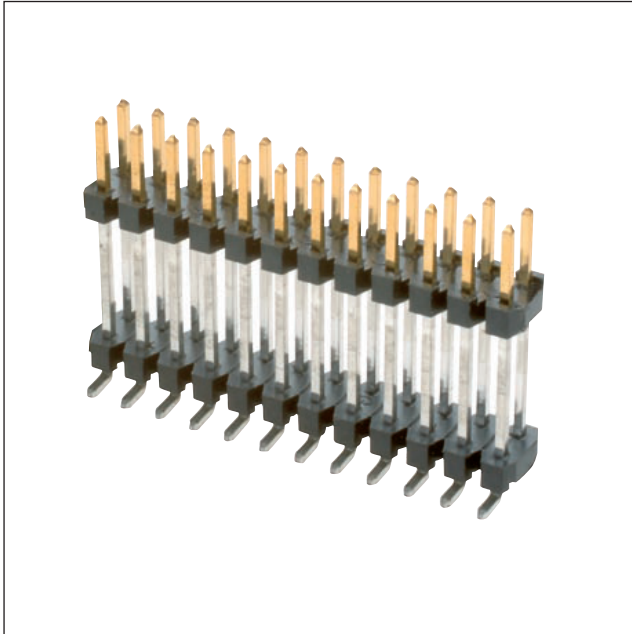


# 3M™ Pin Strip Header

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

Date Modified: November 19, 2014

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Sheet 1 of 2

## Physical

### Insulation

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

### Contact

Material: Copper Alloy

### Plating

Underplating: 1.25–2.5  $\mu\text{m}$  [100  $\mu\text{in}$ ] Nickel  
Wiping Area: Flash Gold  
Solder Tail Area: 1–3  $\mu\text{m}$  [40–118  $\mu\text{in}$ ] 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

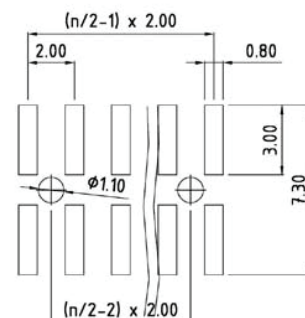
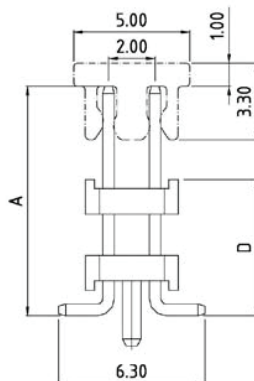
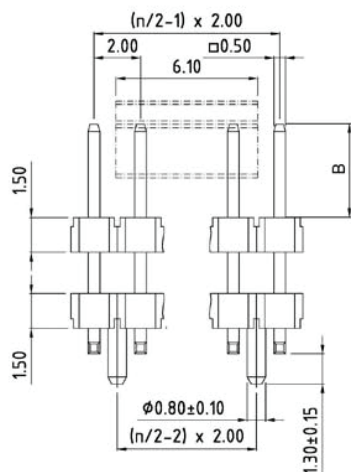
**Temperature Range:** -40 °C to +105 °C  
**Processing Temperature:** max. 260°C (Profile per J-STD-020C)  
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

# 3M™ Pin Strip Header

2 mm x 2 mm Dual Insulator, Straight, Surface Mount

951 Series



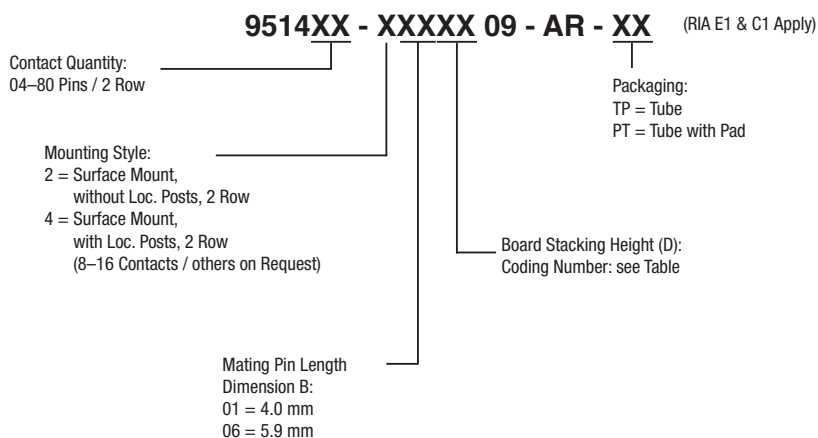
| Contact Dimensions |      |               |      |
|--------------------|------|---------------|------|
| Coding No.         | A    | Mating Length | D    |
| 13                 | 9.9  | 4.0           | 5.9  |
| 14                 | 10.7 | 4.0           | 6.7  |
| 16                 | 11.9 | 4.0           | 7.9  |
| 17                 | 12.4 | 4.0           | 8.4  |
| 20                 | 15.4 | 4.0           | 11.4 |
| 23                 | 17.4 | 4.0           | 13.4 |
| Others on Request  |      |               |      |

| Contact Dimensions |      |               |      |
|--------------------|------|---------------|------|
| Coding No.         | A    | Mating Length | D    |
| 13                 | 11.8 | 5.9           | 5.9  |
| 14                 | 12.6 | 5.9           | 6.7  |
| 16                 | 13.8 | 5.9           | 7.9  |
| 17                 | 14.3 | 5.9           | 8.4  |
| 20                 | 17.3 | 5.9           | 11.4 |
| 23                 | 19.3 | 5.9           | 13.4 |
| 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



Note: Pad options 8 to 80 pos.

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 Sheet 2 of 2

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