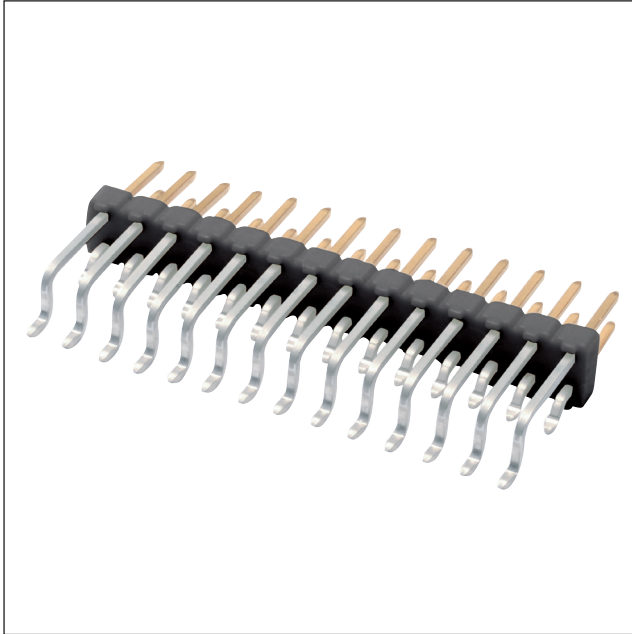


# 3M™ Pin Strip Header

2.54 mm and 2.54 mm x 2.54 mm, Right Angle, Surface Mount

961 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- End stackable feature
- Single- and dual row version
- 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 26, 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  $\mu\text{in}$ ] Nickel  
Wiping Area: Flash Gold  
Solder Tail Area: 1–3  $\mu\text{m}$  [40–118  $\mu\text{in}$ ] Matte Tin

## Electrical

**Current Rating:** 2 A

**Insulation Resistance:**  $> 5 \times 10^8$  Ohm at 100 V<sub>DC</sub>

**Withstanding Voltage:** 1000 V<sub>DC</sub>

## Environmental

**Temperature Range:** -25 °C to +105 °C

**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)

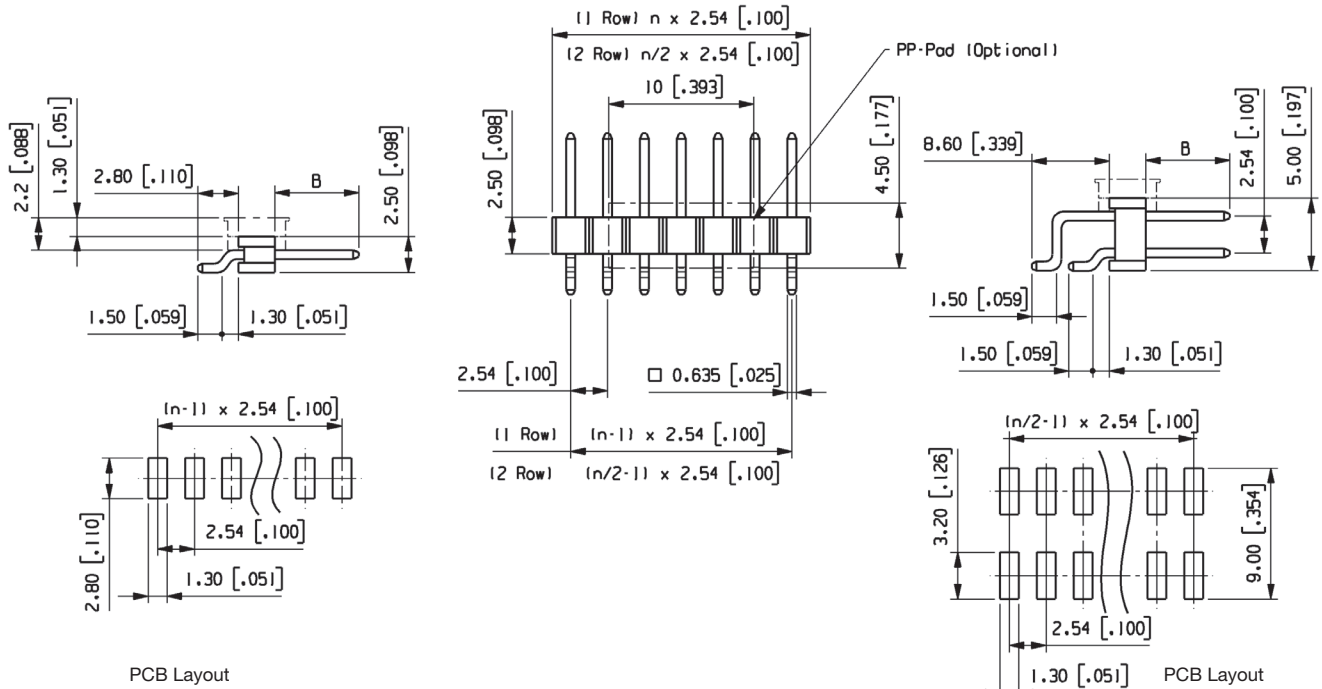
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

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PCB Layout

n = No. of Contacts

| Tape & Reel Option     |                     |     |       |       |       |       |       |       |
|------------------------|---------------------|-----|-------|-------|-------|-------|-------|-------|
| 9611xx-5500<br>(1 Row) | Contact<br>Quantity | 5   | 6-7   | 8-12  | 13-16 | 17-22 | 23-28 | 29-30 |
| 9611xx-5900<br>(1 Row) |                     | 5-6 | 7-8   | 9-13  | 14-17 | 18-22 | 23-28 | 29-30 |
| 9612xx-5500<br>(2 Row) |                     | 10  | 12-16 | 18-24 | 26-34 | 36-44 | 46-58 | 60    |
| 9612xx-5900<br>(2 Row) |                     |     | 10-14 | 16-22 | 24-32 | 34-42 | 44-54 | 56-60 |
| Tape Width<br>[mm]     |                     | 24  | 32    | 44    | 56    | 72    | 88    | 104   |



| 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

961XXX — 5X00 — AR — XX (RIA E1 & C1 Apply)

Rows:  
1 = 1 Row  
2 = 2 Row

Contact Quantity:  
03-30 Pins / 1 Row  
04-60 Pins / 2 Row

Mating Pin Length:  
Dim 'B'  
5 = 5.8 mm [.23]  
9 = 7.1 mm [.28]

Packaging:  
TP = Tube without Pad  
PT = Tube with Pad  
PR = Tape & Reel with Pad  
Note: Pad options  
1 Row - 5 to 30 pos.  
2 Row - 10 to 60 pos.

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RIA-2217A-E

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