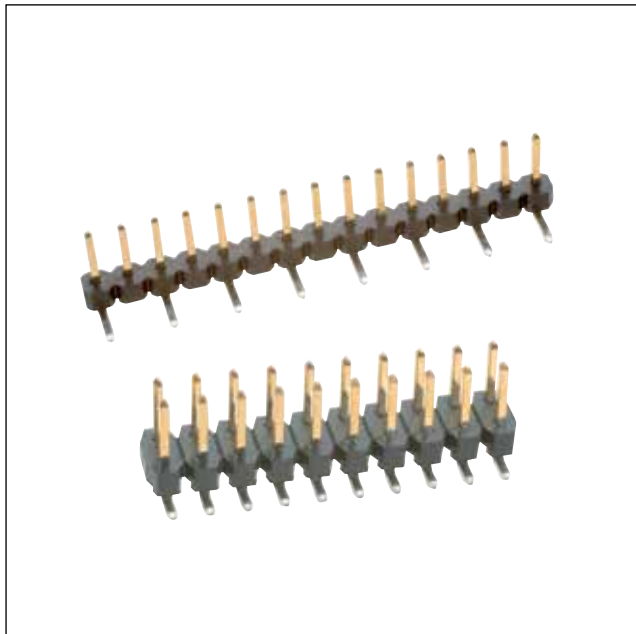


# 3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Straight, Surface Mount

951 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- Optimizes use of PC board space
- End stackable feature
- Mates with boardmount and wiremount 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: January 2, 2013

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

**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:** -25 °C to +105 °C

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

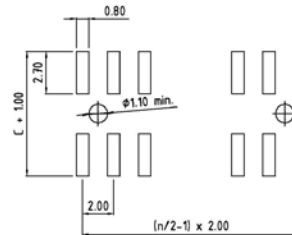
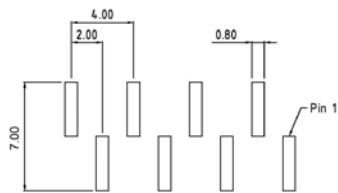
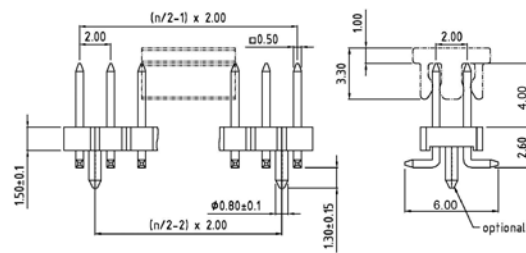
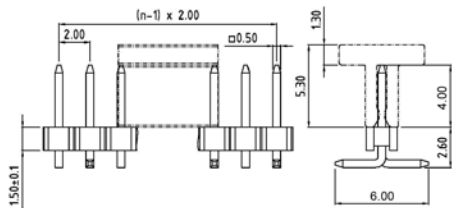
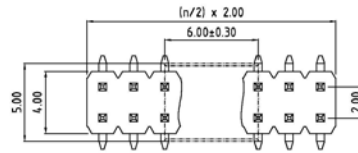
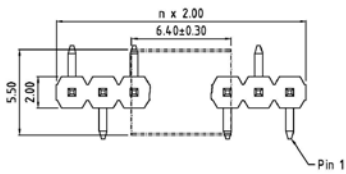
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

# 3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Straight, Surface Mount

951 Series



PCB-Layout

PCB-Layout

Tape & Reel Option								
9511xx-2530 (1 Row)	Contact Quantity	4-6	7-9	10-15	16-20	21-27	28-36	37-40
9512xx-25x0 (2 Row)		8-14	16-20	22-30	32-42	44-58	60-74	76-80
Tape Width [mm]		24	32	44	56	72	88	104

Tolerance Unless Noted [mm]				
Nominal Size	n = No. of Contacts			
Linear Dim	+/- 0.1	+/- 0.1	+/- 0.2	+/- 0.3
Radii	+/- 0.2	+/- 0.5	+/- 1	+/- 1

## Ordering Information

**951XXX — 25X0 — AR — XX (RIA E1 & C1 Apply)**

Rows: \_\_\_\_\_  
 1 = 1 Row  
 2 = 2 Row

Contact Quantity: \_\_\_\_\_  
 03-40 Pins / 1 Row  
 04-80 Pins / 2 Row

Mounting Style: \_\_\_\_\_  
 2 = Surface Mount,  
 Straight

Board Location Features:  
 3 = 1 Row / Pin 1 Left  
 2 = 2 Row / none  
 5 = 2 Row / with Loc. Posts  
 (8-14 Contacts)

Packaging:  
 TP = Tube  
 PT = Tube with Pad  
 PR = Tape & Reel with Pad  
 Note: Pad options  
 1 Row - 4 to 40 pos.  
 2 Row - 8 to 80 pos.

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 Sheet 2 of 2

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