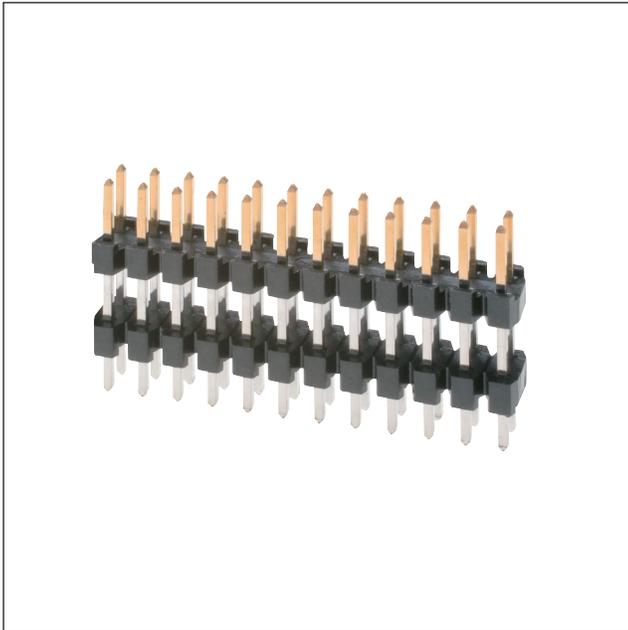


# 3M™ Pin Strip Header

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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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  $\mu\text{m}$  [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

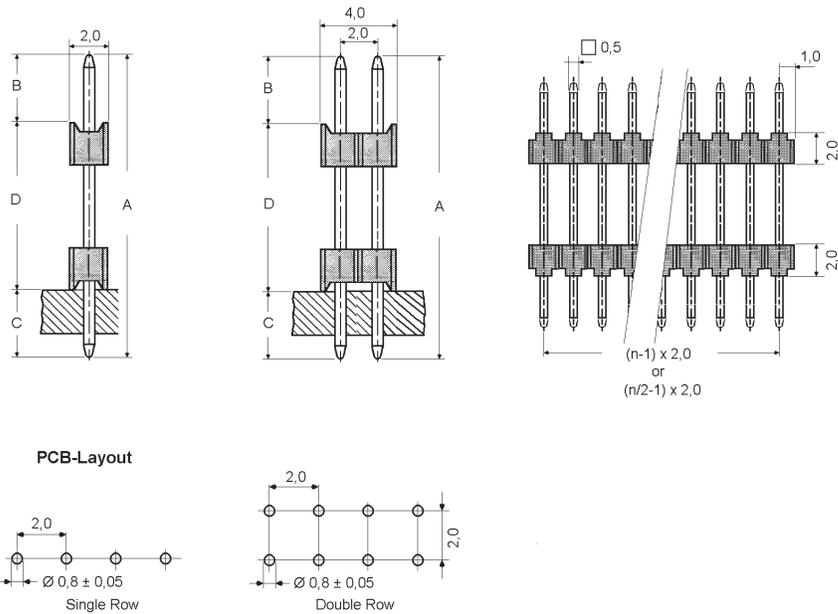
**Temperature Range:** -40 °C to +105 °C  
**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)  
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

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

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

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Sheet 2 of 2

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