

# 3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Straight and Right Angle, Solder Tail

951 Series



- High temperature dielectric
- “No lead” wave and reflow solder compatible
- Maximizes 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: November 19, 2014

TS-2156-E  
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 and 2 mm x 2 mm Straight and Right Angle, Solder Tail

951 Series



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

**951XXX — XX22 — AR (RIA E1 & C1 Apply)**

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

Contact Quantity: \_\_\_\_\_  
 02-40 Pins / 1 Row  
 04-80 Pins / 2 Row

Mounting Style: \_\_\_\_\_  
 8 = Vertical, Solder Tail  
 7 = Right Angle, Solder Tail

Mating Pin Length  
 Dimension B:  
 6 = 4.4 mm  
 7 = 7.5 mm  
 (for Right Angle only)

TS-2156-E  
 Sheet 2 of 2

### **Important Notice**

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

### **Warranty; Limited Remedy; Limited Liability.**

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



### **Electronic Materials Solutions Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
U.S.A.  
1-800-225-5373  
www.3Mconnectors.com

3M is a trademark of 3M Company.

Please recycle. Printed in USA.  
© 3M 2014. All rights reserved.  
RIA-2217A-E