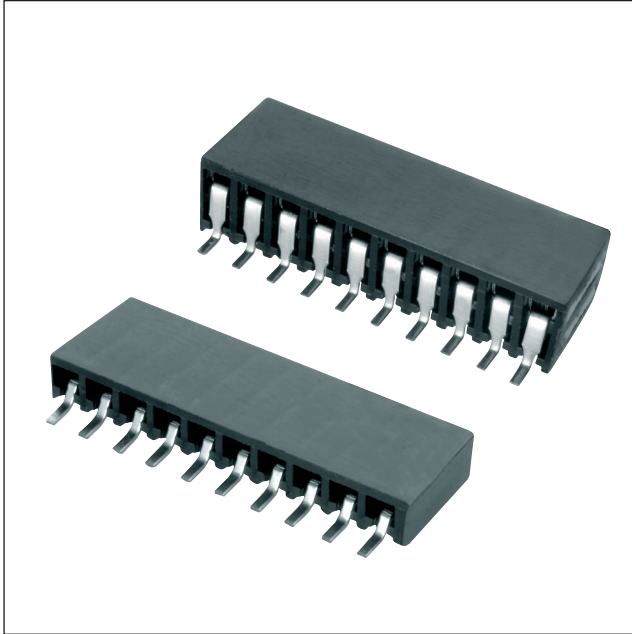


# 3M™ Boardmount Socket

2.54 mm and 2.54 mm x 2.54 mm, Side Entry, Surface Mount

960 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- Single- and dual row design, 4–30 pins or 8–60 pins
- Mates with pin-strip header 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, 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)

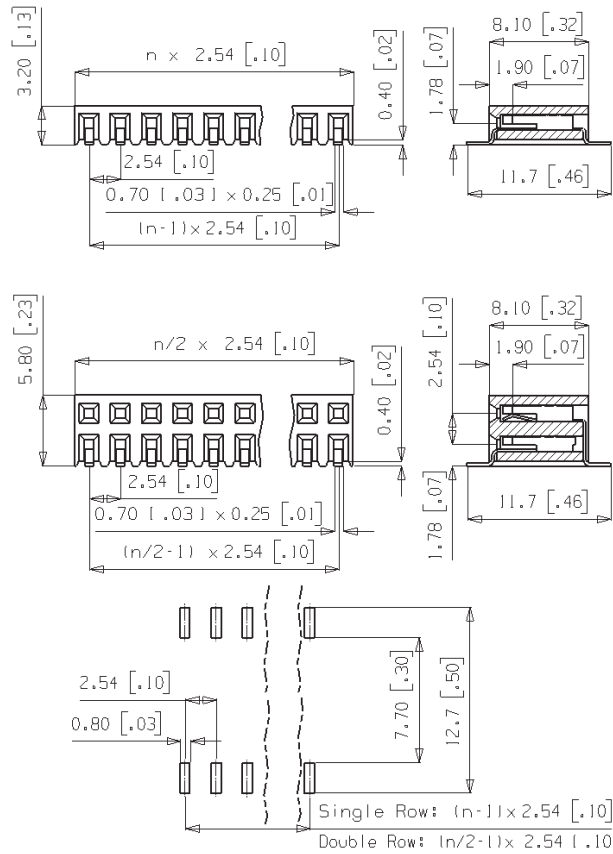
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

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PCB Layout

| Tape & Reel Option     |                     |      |       |       |       |       |       |     |
|------------------------|---------------------|------|-------|-------|-------|-------|-------|-----|
| 9601xx-8100<br>(1 Row) | Contact<br>Quantity | 4-6  | 7-8   | 9-13  | 14-17 | 18-22 | 23-29 | 30  |
| 9602xx-8100<br>(2 Row) |                     | 8-12 | 14-16 | 18-26 | 28-34 | 36-44 | 46-58 | 60  |
| Tape Width<br>[mm]     |                     | 24   | 32    | 44    | 56    | 72    | 88    | 104 |

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

**960XXX — 8100 — AR — XX (RIA E1 & C1 Apply)**

Rows:  
1 = 1 Row  
2 = 2 Row

Contact Quantity:  
04-30 Pins / 1 Row  
08-60 Pins / 2 Row

Packaging:  
TP = Tube without Pad  
TR = Tape & Reel

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