

# 3M™ Through-Board Socket

2.54 mm x 2.54 mm, Dual Entry, Surface Mount

963 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- Dual row design, 4–60 pins
- Mates with pin headers for board stacking applications
- Dual entry design allows mating from top side or bottom side through the printed circuit board
- 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

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## 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>

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## Environmental

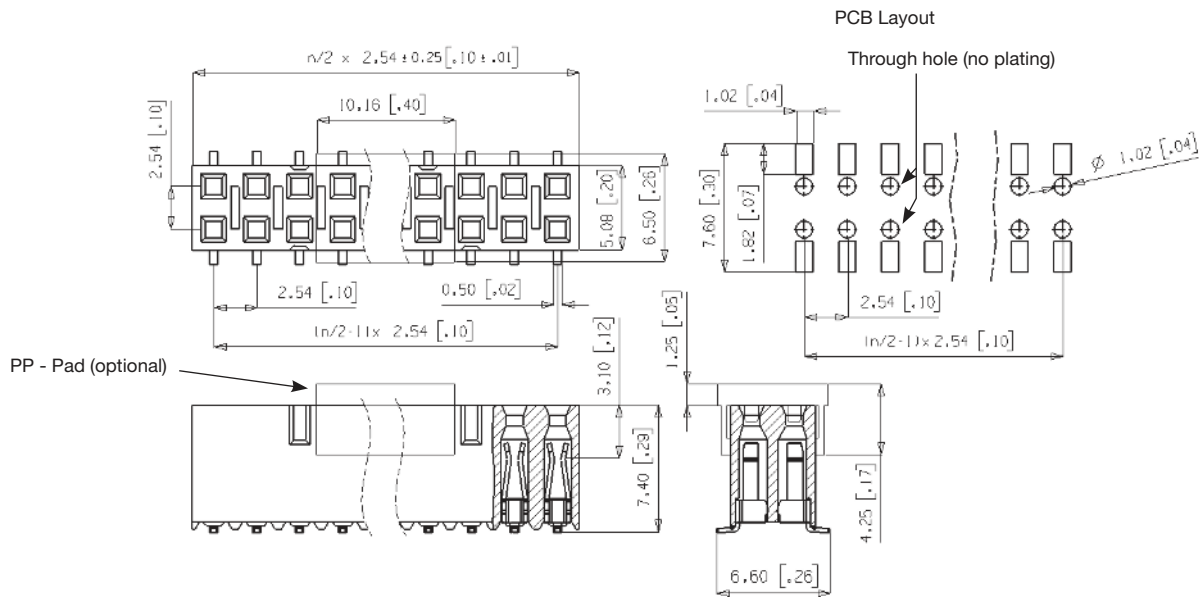
**Temperature Range:** -25 °C to +105 °C  
**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)  
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

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n = No. of Contacts

| Tape & Reel Option |    |       |       |       |       |       |       |
|--------------------|----|-------|-------|-------|-------|-------|-------|
| Contact Quantity   | 10 | 12-16 | 18-24 | 26-34 | 36-44 | 46-56 | 58-60 |
| Tape Width [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

**9632XX - 2000 - AR - XX**

(RIA E1 & C1 Apply)

Contact Quantity:  
04-60 Pins / 2 Row

Packaging:  
 TP = Tube without Pad (4 to 60 pos)  
 PT = Tube with Pad (10 to 60 pos)  
 PR = Tape & Reel with Pad (10 to 60 pos)

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