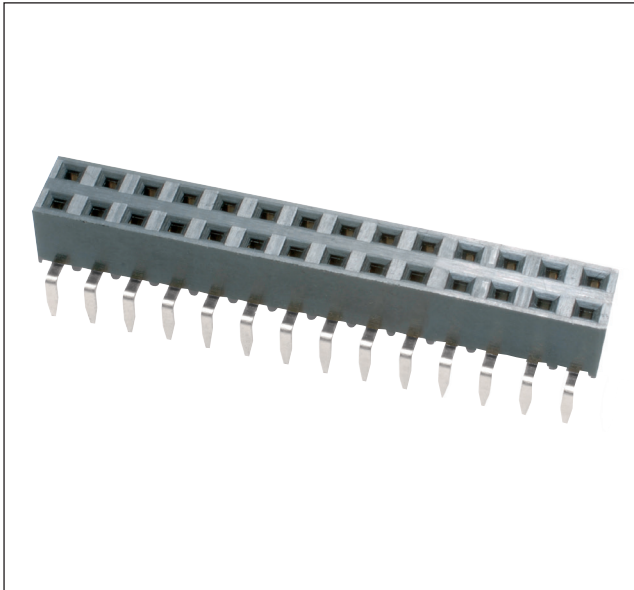


# 3M™ Through-Board Socket

2.54 mm x 2.54 mm, Straight, Solder Tail

966 Series



- High temperature dielectric
- “No lead” wave and reflow solder compatible
- Dual row design, 4–72 pins
- Dual entry version
- 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 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  $\mu''$ ] Nickel  
Wiping Area: Flash Gold  
Solder Tail Area: 1–3  $\mu\text{m}$  [40–118  $\mu''$ ] Matte Tin

## Electrical

**Current Rating:** 2 A  
**Insulation Resistance:**  $> 5 \times 10^8$  Ohm at 100  $V_{\text{DC}}$   
**Withstanding Voltage:** 1000  $V_{\text{DC}}$

## Environmental

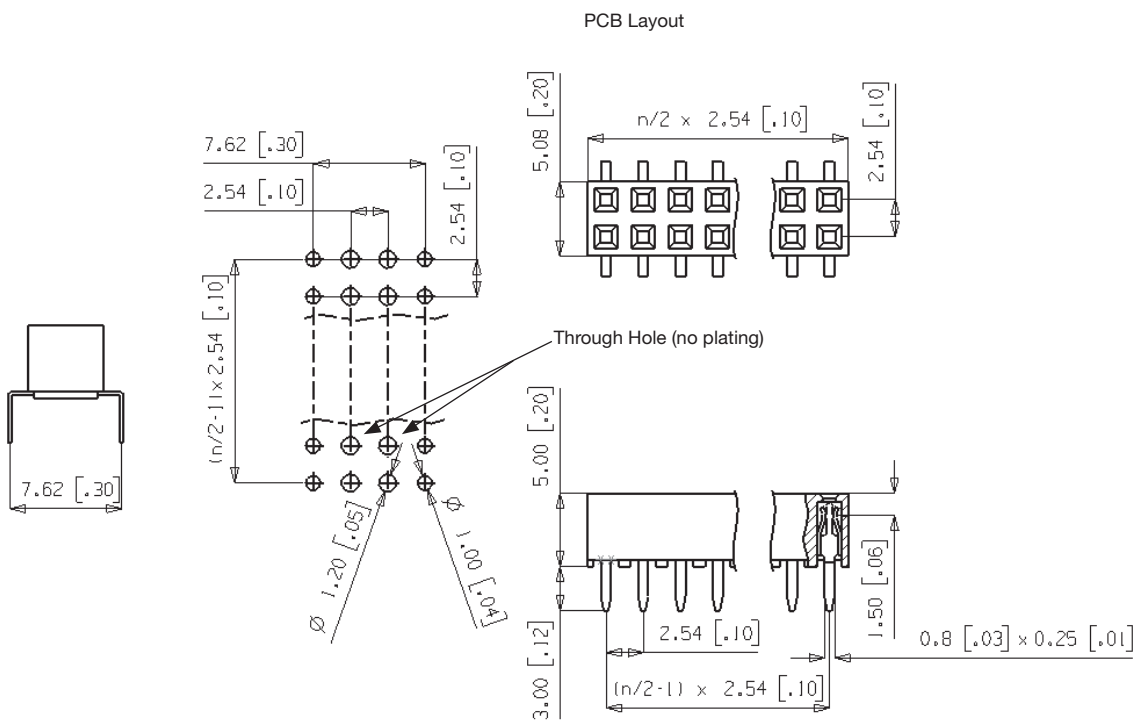
**Temperature Range:** -25 °C to +105 °C  
**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)  
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

# 3M™ Through-Board Socket

2.54 mm and 2.54 mm x 2.54 mm, Straight, Solder Tail

966 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

**9662XX — 6702 — AR** (RIA E1 & C1 Apply)

Contact Quantity:  
04–72 Pins

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Sheet 2 of 2

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