3M™ Through-Board Socket

2.54 mm, Single Row, Dual Entry, Surface Mount — 963 Series



- High temperature dielectric
- "No lead" reflow solder compatible
- Single row design, 3–30 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 for compliance information (RIA E1 & C1 apply)

Date Modified: November 26, 2012

Physical

Insulation	
Material:	High Temperature Thermoplastic
Flammability:	UL 94V-0
Color:	Black
Contact	
Material:	Copper Alloy
Plating	
Underplating:	1.25–2.5 µm [50–100 µ"] Nickel
Wiping Area:	Flash Gold
Solder Tail Area:	1–3 µm [40–118 µ"] Matte Tin

Electrical

Current Rating:	2 A
Insulation Resistance:	> 5 x 10^8 Ohm at 100 V_{DC}
Withstanding Voltage:	1000 V_{DC}

Environmental

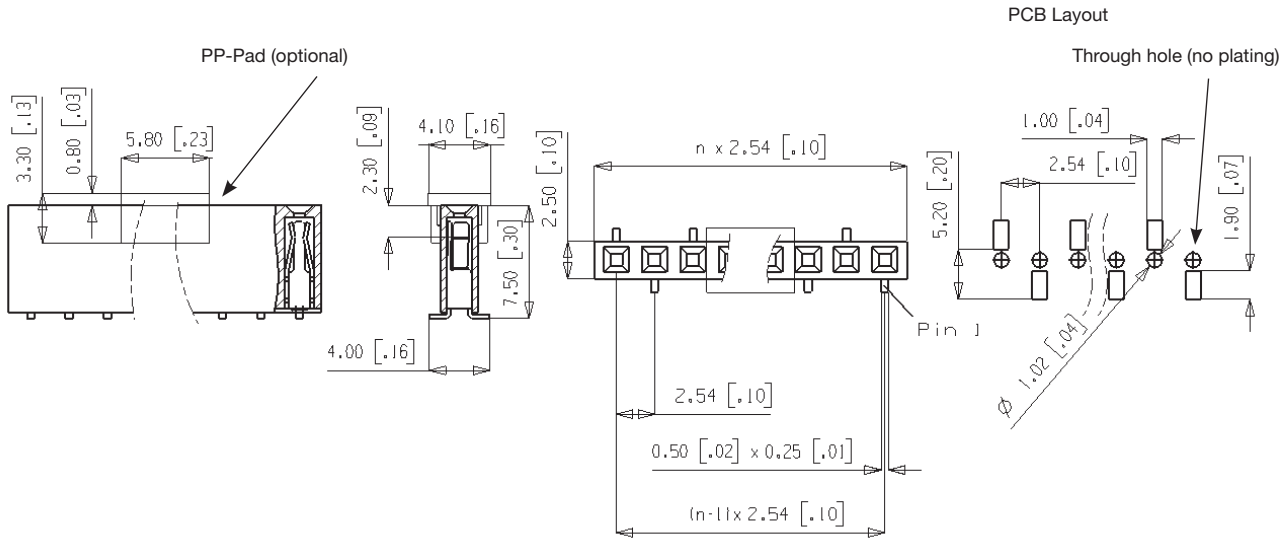
Temperature Range:	-25 °C to +105 °C
Processing Temperature:	max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level:	1 (per J-STD-020C)

UL File No.: E68080

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n = No. of Contacts

Tape & Reel Option							
Contact Quantity	4–5	6–8	9–12	13–17	18–22	23–28	29–30
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

9631XX - 2000 - AR-XX (RIA E1 & C1 Apply)

Packaging:
TP = Tube without Pad (3 to 30 pos)
PT = Tube with Pad (4 to 30 pos)
PR = Tape & Reel with Pad(4 to 30 pos)

Contact Quantity:
03–30 Pins / 1 Row

3M
Interconnect Solutions
http://www.3Mconnectors.com

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