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 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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For technical, sales or ordering information
call your Local 3M Service Center

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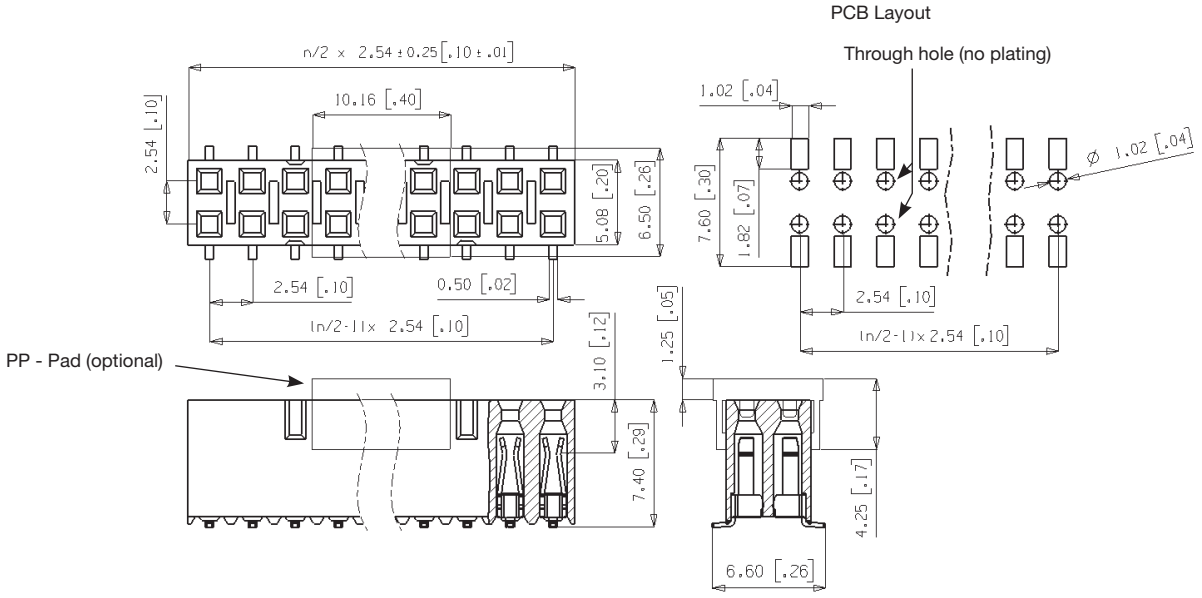
963 Series



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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