

3M™ Through-Board Socket

2 mm Single Row, Straight, Dual Entry, Surface Mount

953 Series



- Optimizes use of PC board space
- High temperature dielectric
- “No lead” reflow solder compatible
- Single row design, 4–40 pins
- Minimized PC Board stacking heights
- Mates with pin headers for board stacking applications
- 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: December 3, 2013

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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 μm [50–100 μin] Nickel
Wiping Area: Flash Gold
Solder Tail Area: 1–3 μm [40–118 μin] Matte Tin

Electrical

Current Rating: 1 A
Insulation Resistance: $> 5 \times 10^8$ Ohm at 100 V_{DC}
Withstanding Voltage: 1000 V_{DC}
Transition Resistance: ≤ 20 mOhm

Environmental

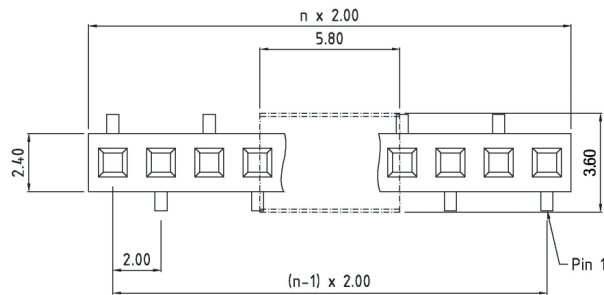
Temperature Range: -40 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

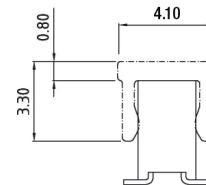
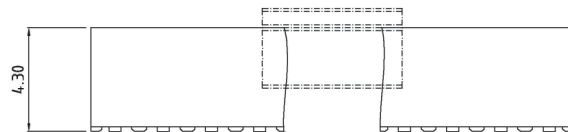
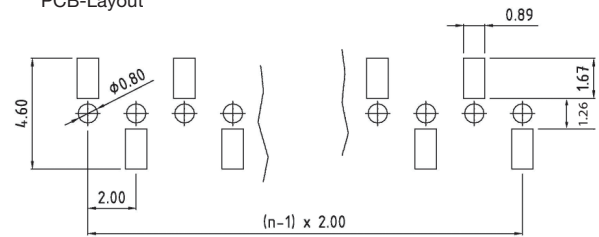
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PCB-Layout



Tape & Reel Option							
Contact Quantity	4-8	9-10	11-15	16-21	22-28	29-36	37-40
Tape Width [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

9531XX - 2000 - AR - XX (RIA E1 & C1 Apply)

Contact Quantity:
04-40 Pins

Tail Style:
2 = Straight, Surface Mount

Packaging:
TP = Tube
PT = Tube with Pad
PR = Tape & Reel with Pad

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