

3M™ Boardmount Socket

2 mm x 2 mm Right Angle, Surface Mount

950 Series



- Optimizes use of PC board space
- High temperature dielectric
- “No lead” reflow solder compatible
- Dual row design, 6–50 pins
- Mates with pin-strip header products
- 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

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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

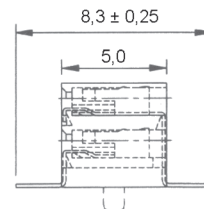
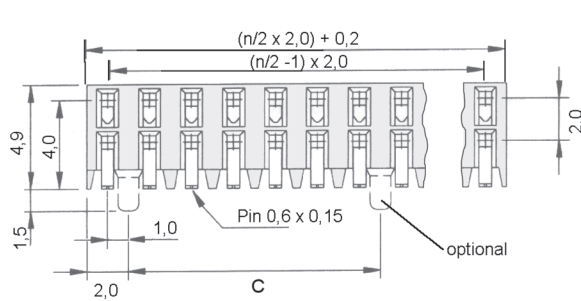
Temperature Range: -40 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

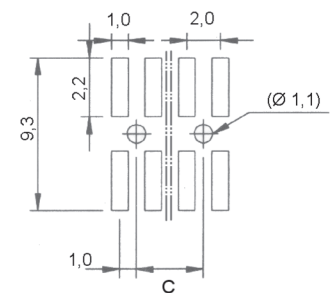
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PCB-Layout



Dimensions (mm)							
Contacts			10	12	14	16	20
C			4.0	4.0	6.0	8.0	12.0
Contacts	22	24	26	28	30	32	34
C	14.0	16.0	18.0	20.0	22.0	24.0	26.0
Contacts	38	40	42	44	46	48	50
C	30.0	32.0	34.0	36.0	38.0	40.0	42.0



Tape & Reel Option							
9504xx-8200	Contact Quantity	6	8-14	16-20	22-30	32-44	46-50
9504xx-8220		—	10-14	16	—	—	—
Tape Width [mm]		16	24	32	44	56	72

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

9504XX - 82X0 - AR - XX (RIA E1 & C1 Apply)

Contact Quantity:
06-50 Pins

Tail Style:
8 = Right Angle,
Surface Mount

Packaging:
TP = Tube
TR = Tape & Reel

Board Location Features:
0 = None
2 = with Board Loc. Posts
(6-16 Contacts / others on Request)

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