

3M™ Low Profile Through-Board Socket

2 mm x 2 mm Straight, Dual or Bottom Entry, Surface Mount

956 Series



- Optimizes use of PC board space
- High temperature dielectric
- “No lead” reflow solder compatible
- Dual row design, 6–50 pins
- Minimized PC Board stacking heights
- Ultra Low Profile Version
- 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: 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

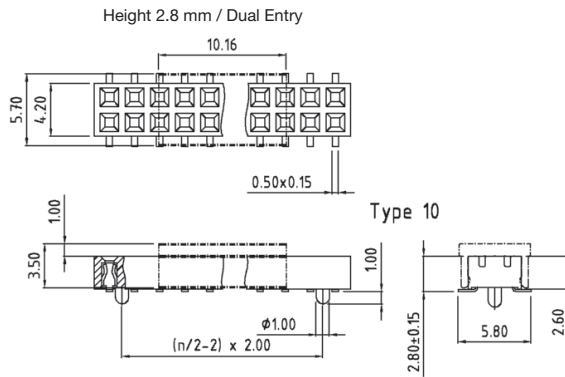
Temperature Range: -40 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

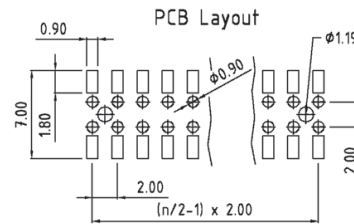
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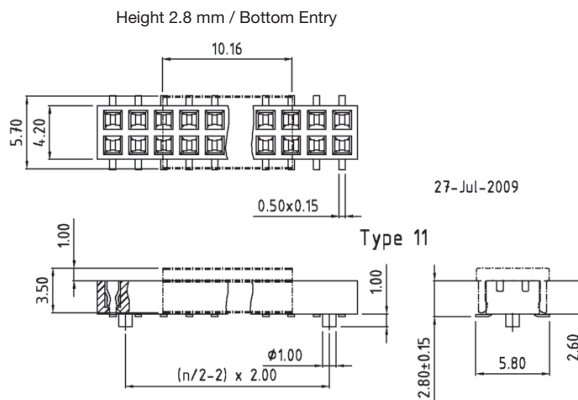
Type 10



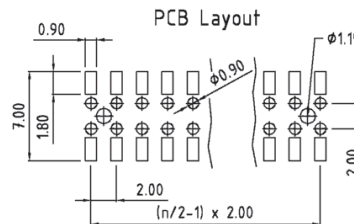
PCB Layout

PCB-Layout

Tape & Reel Option						
9562xx-2000	Contact Quantity	10-14	16-18	20-30	32-44	46-50
9562xx-2700		10-14	16-18	20-30	32-42	44-50
9562xx-2020		10-14	16-18	20-30	32-42	44-50
9562xx-2720		10-14	16-18	20-30	32-42	44-50
Tape Width [mm]		24	32	44	56	72



Type 11



PCB Layout

PCB-Layout

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

9562XX - 2XX0 - AR - XX (RIA E1 & C1 Apply)

Contact Quantity:
06-50 Pins

Tail Style:
2 = Straight,
Surface Mount

Special Features:
0 = Dual Entry Contact
7 = Bottom Entry Contact

see packaging option

Packaging:
TP = Tube
PT = Tube with Pad 10 to 50 pos
PR = Tape & Reel with Pad 10 to 50 pos

Board Location Features:
0 = None
2 = with Board Loc. Posts

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