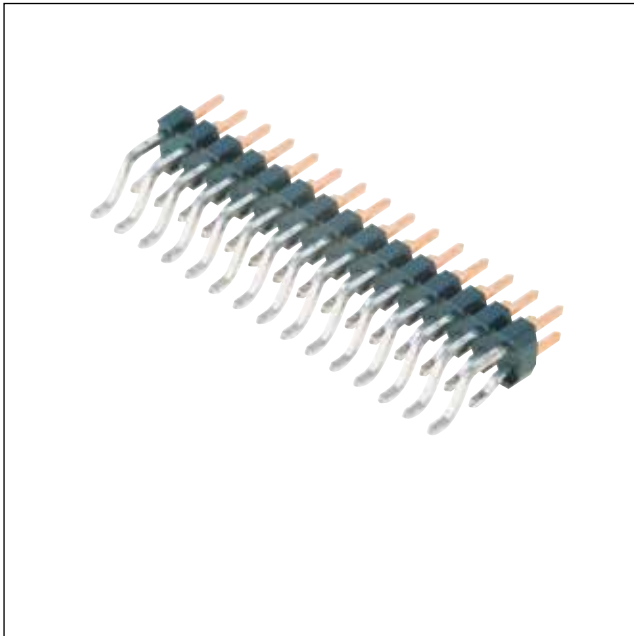


3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Right Angle, Surface Mount

951 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- Optimizes use of PC board space
- End stackable feature
- Mates with boardmount and wiremount 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: January 2, 2013

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Sheet 1 of 2

Physical

Insulation

Material: High Temperature Thermoplastic
Flammability: UL 94V-0
Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 1.25–2.5 μm [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

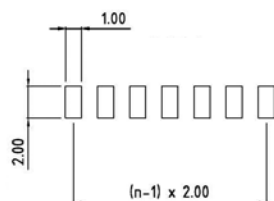
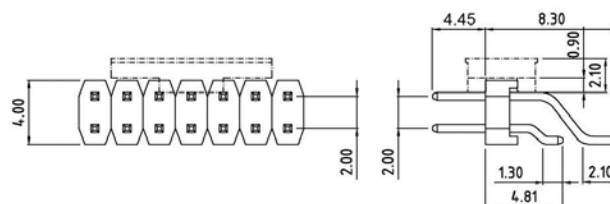
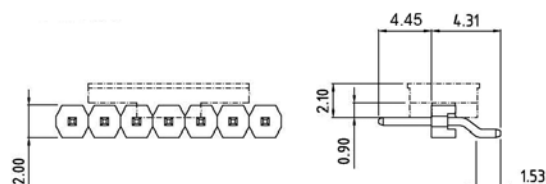
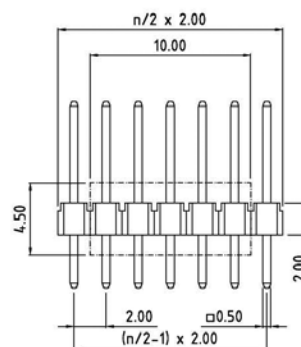
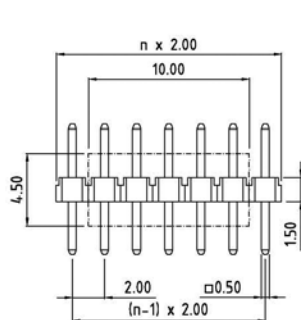
Temperature Range: -25 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

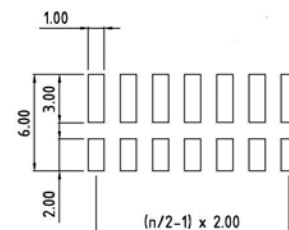
3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Right Angle, Surface Mount

951 Series



PCB-Layout



PCB-Layout



Tape & Reel Option						
9511xx-4620 (1 Row)	Contact Quantity	4-7	8-10	11-16	17-22	23-25
9512xx-4620 (2 Row)		8-12	14-20	22-30	32-44	46-50
Tape Width [mm]		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

951XXX — 4620 — AR — XX (RIA E1 & C1 Apply)

Rows:
1 = 1 Row
2 = 2 Row

Contact Quantity:
03-25 Pins / 1 Row
06-50 Pins / 2 Row

Mounting Style:
4 = Surface Mount, Right Angle

Packaging:
TP = Tube
PT = Tube with Pad
PR = Tape & Reel with Pad
Note: Pad options
1 Row - 4 to 25 pos.
2 Row - 8 to 50 pos.

TS-2158-E
Sheet 2 of 2

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