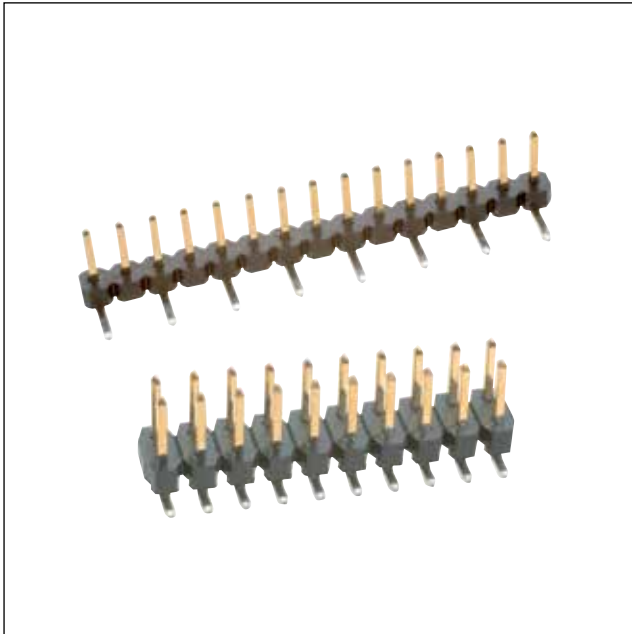


3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Straight, 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 μm] Nickel
Wiping Area: Flash Gold
Solder Tail Area: 1–3 μm [40–118 μm] Matte Tin

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)

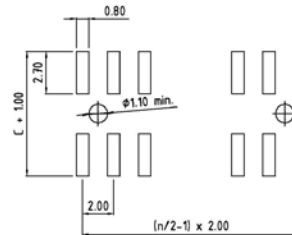
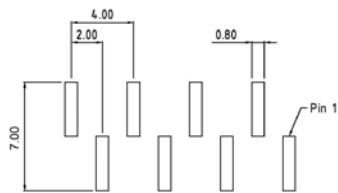
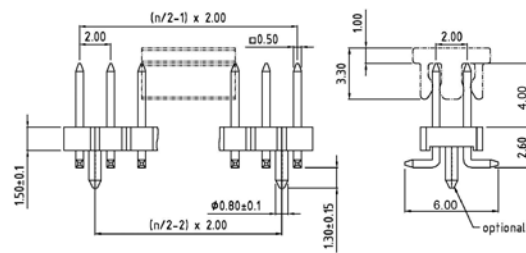
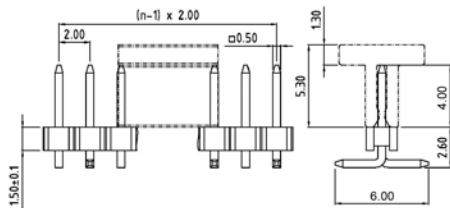
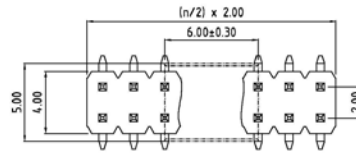
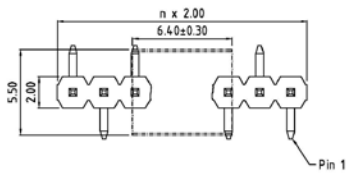
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Straight, Surface Mount

951 Series



PCB-Layout

PCB-Layout

Tape & Reel Option								
9511xx-2530 (1 Row)	Contact Quantity	4-6	7-9	10-15	16-20	21-27	28-36	37-40
9512xx-25x0 (2 Row)		8-14	16-20	22-30	32-42	44-58	60-74	76-80
Tape Width [mm]		24	32	44	56	72	88	104

Tolerance Unless Noted [mm]				
n = No. of Contacts				
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 — 25X0 — AR — XX (RIA E1 & C1 Apply)

Rows:
1 = 1 Row
2 = 2 Row

Contact Quantity:
03-40 Pins / 1 Row
04-80 Pins / 2 Row

Mounting Style:
2 = Surface Mount,
Straight

Board Location Features:
3 = 1 Row / Pin 1 Left
2 = 2 Row / none
5 = 2 Row / with Loc. Posts
(8-14 Contacts)

Packaging:
TP = Tube
PT = Tube with Pad
PR = Tape & Reel with Pad
Note: Pad options
1 Row - 4 to 40 pos.
2 Row - 8 to 80 pos.

TS-2157-F
Sheet 2 of 2

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