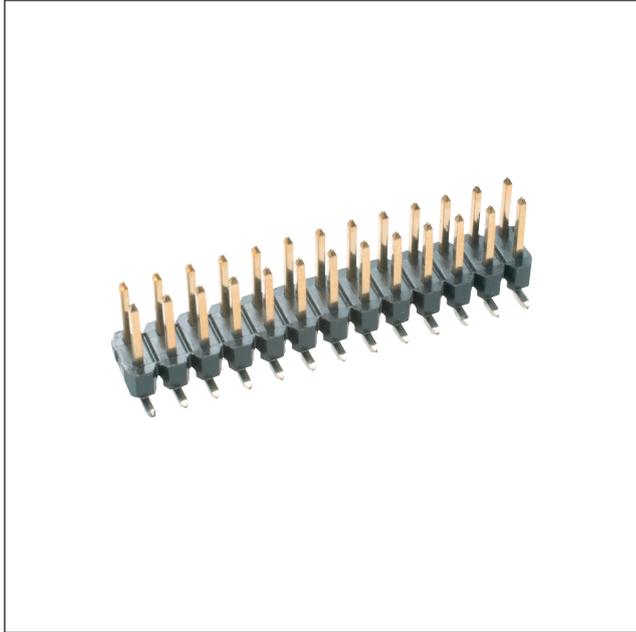


3M™ Pin Strip Header

2.54 mm and 2.54 mm x 2.54 mm, Straight, Surface Mount

961 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- End stackable feature
- Single- and dual row version
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3M.com/interconnects for compliance information

Date Modified: April 24, 2012

TS-2183-C
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 [50–100 μin] Nickel
Wiping Area: 0.25 μm [10 μin] Gold
Solder Tail Area: 1–3 μm [40–118 μin] Matte Tin

Electrical

Current Rating: 2 A
Insulation Resistance: $> 5 \times 10^8$ Ohm at 100 V_{DC}
Withstanding Voltage: 1000 V_{DC}

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

2.54 mm and 2.54 mm x 2.54 mm, Straight, Surface Mount

961 Series

1-Row Header Dimensions:

- PP - Pad (optional): 6.4 [.25]
- Pin height: 2.50 [.098]
- Pin pitch: 2.54 [.100]
- PCB Layout: 1.27 [.050], 5.08 [.200], 2.54 [.100]
- Pin 1 location: 7.50 [.295]
- Dimensions: 5.3 [.21], 5.5 [.22], 0.635 [.025], 4.10 [.161], 5.08 [.200]

2-Row Header Dimensions:

- PP - Pad (optional): 8.5 [.33]
- Pin height: 2.5 [.098]
- Pin pitch: 2.54 [.100]
- PCB Layout: 1.27 [.050], 10.00 [.394], 3.60 [.142], 2.54 [.100]
- Pin 1 location: 8.00 [.315]
- Dimensions: 6.0 [.24], 2.54 [.100], 0.635 [.025], 6.8 [.27], 1.3 [.05], 4.10 [.161], 8.00 [.315]

Tape & Reel Option								
9611xx-6300 (1 Row)	Contact Quantity	5	6-8	9-12	13-17	18-22	23-28	29-30
9611xx-6700 (1 Row)		5	6-7	8-12	13-16	17-21	22-28	29-30
9612xx-6300 (2 Row)		10	12-14	16-24	26-32	34-42	44-56	58-60
9612xx-6700 (2 Row)			10-14	16-22	24-32	34-42	44-54	56-60
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

961XXX — 6X00 — AR — XX

Rows: _____

1 = 1 Row
2 = 2 Row

Contact Quantity: _____

03-30 Pins / 1 Row
04-60 Pins / 2 Row

Mating Pin Length: _____

Dim 'B'
3 = 5.3 mm [.21]
7 = 6.6 mm [.26]

Packaging:
TP = Tube without Pad
PT = Tube with Pad
PR = Tape & Reel with Pad
Note: Pad options
1 Row - 5 to 30 pos.
2 Row - 10 to 60 pos.

Plating:
AR = Selective Au 0.25 μm [10 μm] / Sn
(RIA E1 & C1 apply)

TS-2183-C
Sheet 2 of 2

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