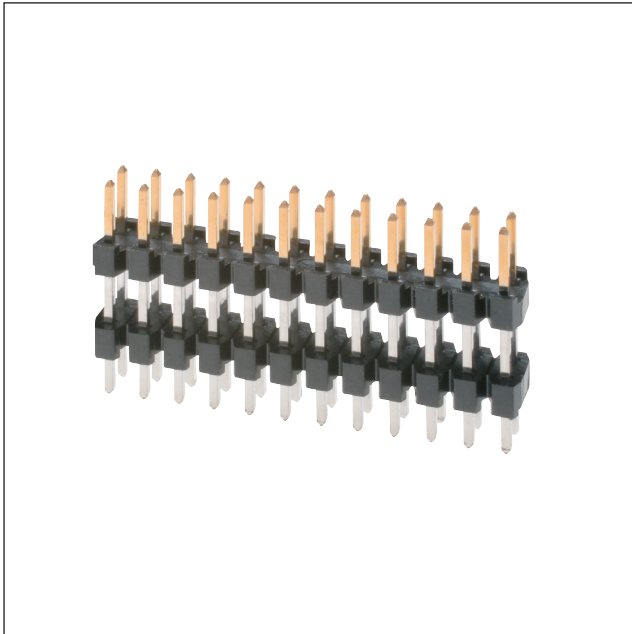


3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Dual Insulator, Straight, Solder Tail

951 Series



- High temperature dielectric
- “No lead” wave and reflow solder compatible
- Optimizes use of PC board space
- End stackable feature
- Side stackable feature
- 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 27, 2012

TS-2160-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 μ''] Nickel
Wiping Area: Flash Gold
Solder Tail Area: 1–3 μm [40–118 μ''] 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

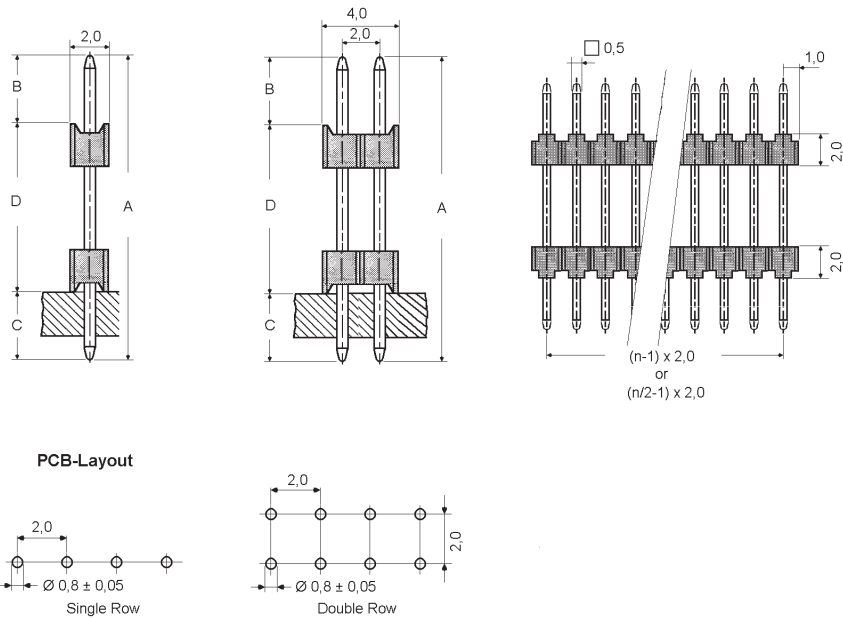
Temperature Range: -40 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

3M™ Pin Strip Header

2 mm and 2 mm x 2 mm Dual Insulator, Straight, Solder Tail

951 Series



| Contact Dimensions | | | | |
|--------------------|------|-----------------|-----|------|
| Coding No. | A | Mating Length B | C | D |
| 08 | 10.8 | 4.0 | 2.8 | 4.0 |
| 11 | 11.9 | 4.0 | 2.8 | 5.1 |
| 15 | 14.3 | 4.0 | 2.8 | 7.5 |
| 19 | 16.5 | 4.0 | 2.8 | 9.7 |
| 22 | 18.6 | 4.0 | 2.8 | 11.8 |
| 25 | 21.2 | 4.0 | 2.8 | 14.4 |
| Others on Request | | | | |

| Contact Dimensions | | | | |
|--------------------|------|-----------------|-----|------|
| Coding No. | A | Mating Length B | C | D |
| 08 | 12.7 | 5.9 | 2.8 | 4.0 |
| 11 | 13.8 | 5.9 | 2.8 | 5.1 |
| 15 | 16.2 | 5.9 | 2.8 | 7.5 |
| 19 | 18.4 | 5.9 | 2.8 | 9.7 |
| 22 | 20.5 | 5.9 | 2.8 | 11.8 |
| 25 | 23.1 | 5.9 | 2.8 | 14.4 |
| Others on Request | | | | |

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

9514XX — XXX XX 06 — AR (RIA E1 & C1 Apply)

Contact Quantity:
02-40 Pins / 1 Row
04-80 Pins / 2 Row

Mounting Style:
8 = Solder Tail, 2 Row
9 = Solder Tail, 1 Row

Mating Pin Length
Dimension B:
01 = 4.0 mm
06 = 5.9 mm

Bord Stacking Height (D):
Coding Number: see Table

TS-2160-C
Sheet 2 of 2

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