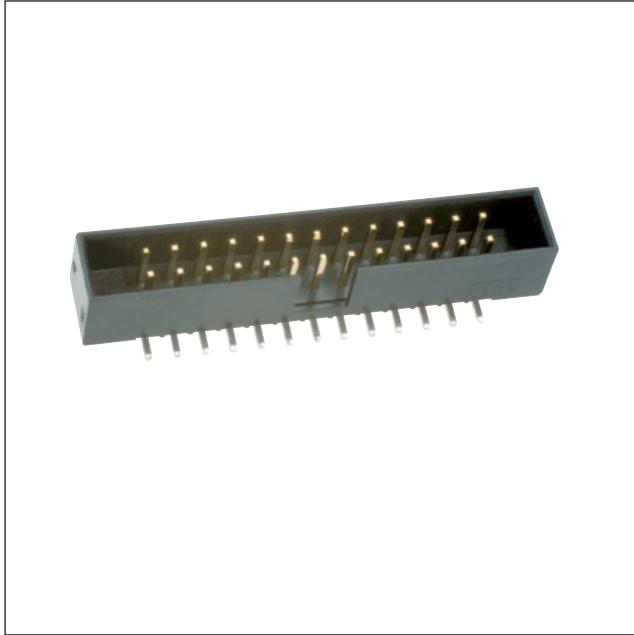


3M™ Pak 20 Box Header

2 mm x 2 mm, Surface Mount

957 Series



- Industry standard compatible
- High temperature dielectric
- IR, vapor & wave solder compatible
- Maximizes use of PC board space
- Center slot polarization prevents mis-insertions and reduces insertion time
- RoHS* compliant
- Mates with wiremount products, series 952

Date Modified: March 21, 2006

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Sheet 1 of 2

Physical

Insulation

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

Contact

Material: Square Pin □ 0.5 mm, Copper Alloy

Plating

Underplating: 1,25–2.5 µm [100 µ"] Nickel
Wiping Area: 0.25 µm [10 µ"] Gold
Solder Tail Area: 1–3 µm [40–118 µ"] 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 ... +105 °C

Processing Temperature: max. 260 °C (Profile per J-STD-020C)

Note: "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.



Interconnect Solutions

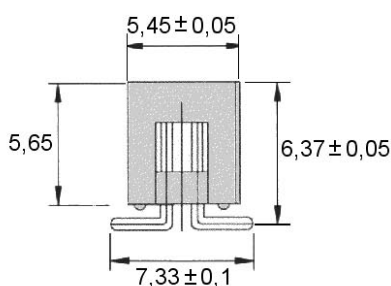
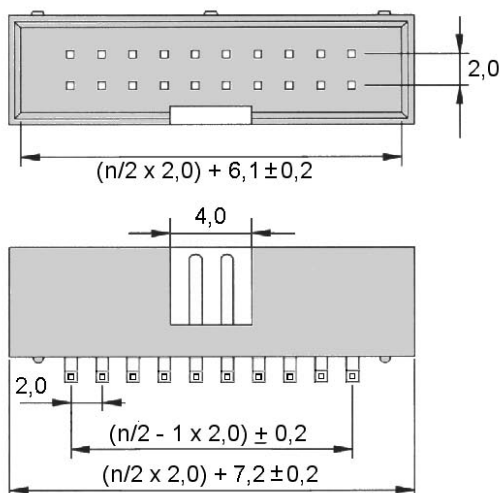
<http://www.3M.com/interconnects/>

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call your Local 3M Service Center

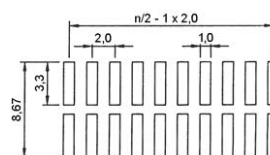
3M™ Pak 20 Box Header

2 mm x 2 mm, Surface Mount

957 Series



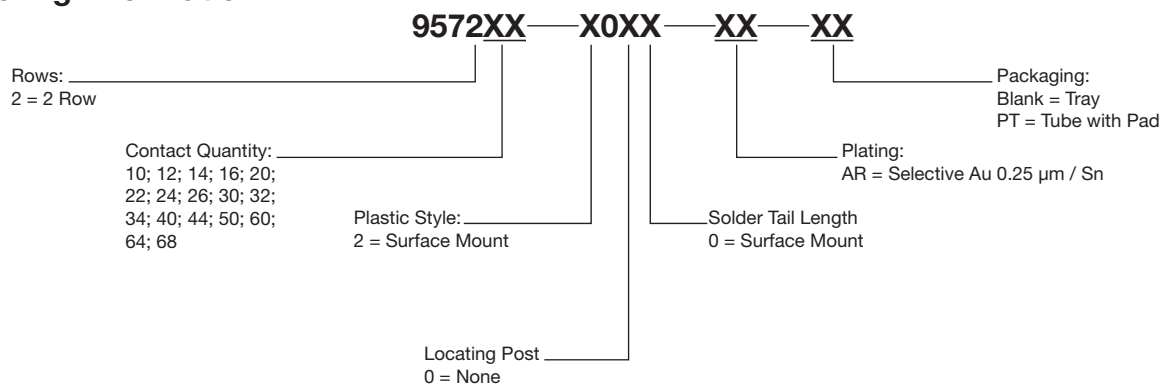
PCB-Layout



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

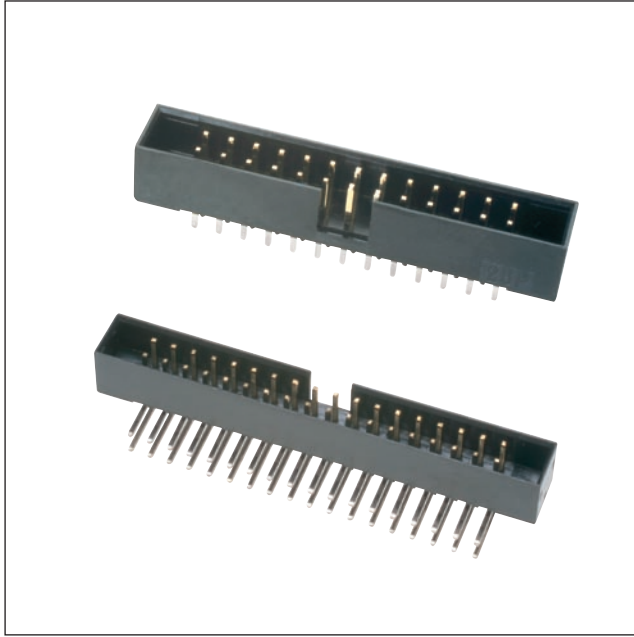


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Sheet 2 of 2

3M™ Pak 20 Box Header

2 mm x 2 mm, Solder Tail

957 Series



- Industry standard compatible
- High temperature dielectric
- “No lead” wave and reflow solder compatible
- Maximizes use of PC board space
- Center slot polarization prevents mis-insertions and reduces insertion time
- RoHS* compliant
- Mates with wiremount products, series 952

Date Modified: March 21, 2006

TS-2174-01
Sheet 1 of 2

Physical

Insulation

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

Contact

Material: Square Pin □ 0.5 mm, Copper Alloy

Plating

Underplating: 1.25–2.5 µm [100 µ"] Nickel
Wiping Area: 0.25 µm [10 µ"] Gold
Solder Tail Area: 1–3 µm [40–118 µ"] 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

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Interconnect Solutions

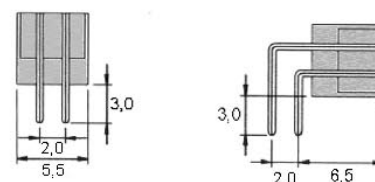
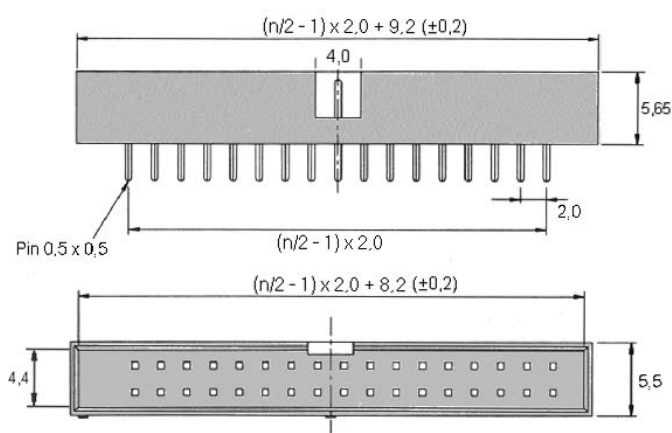
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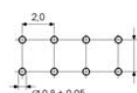
3M™ Pak 20 Box Header

2 mm x 2 mm, Surface Mount

957 Series



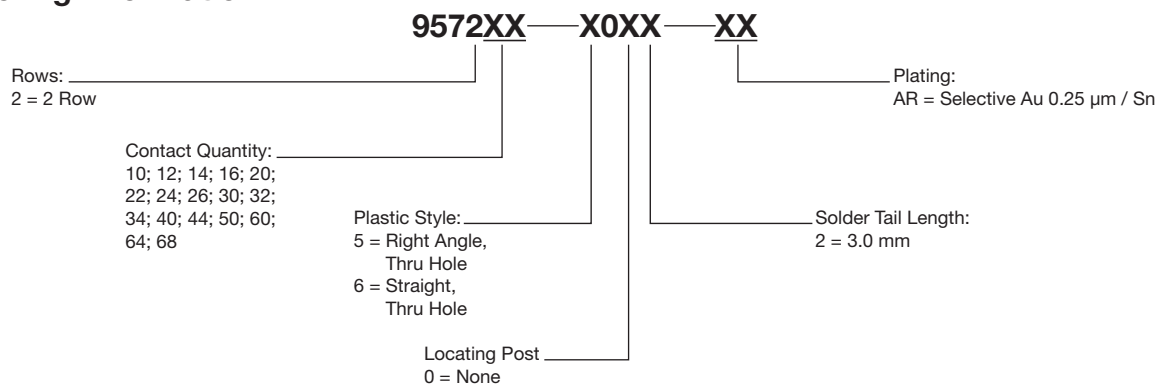
PCB-Layout



n = No. of Contacts

Tolerance Unless Noted [mm]				
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Linear Dim	+/- 0.1	+/- 0.1	+/- 0.2	+/- 0.3
Radii	+/- 0.2	+/- 0.5	+/- 1	+/- 1

Ordering Information



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