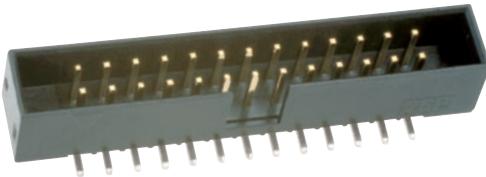


# 3M™ Pak 20 Box Header

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

TS-2175-01  
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<sub>DC</sub>

**Withstanding Voltage:** 1000 V<sub>DC</sub>

**Transition Resistance:**  $\leq 20$  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.

**3M**

**Interconnect Solutions**

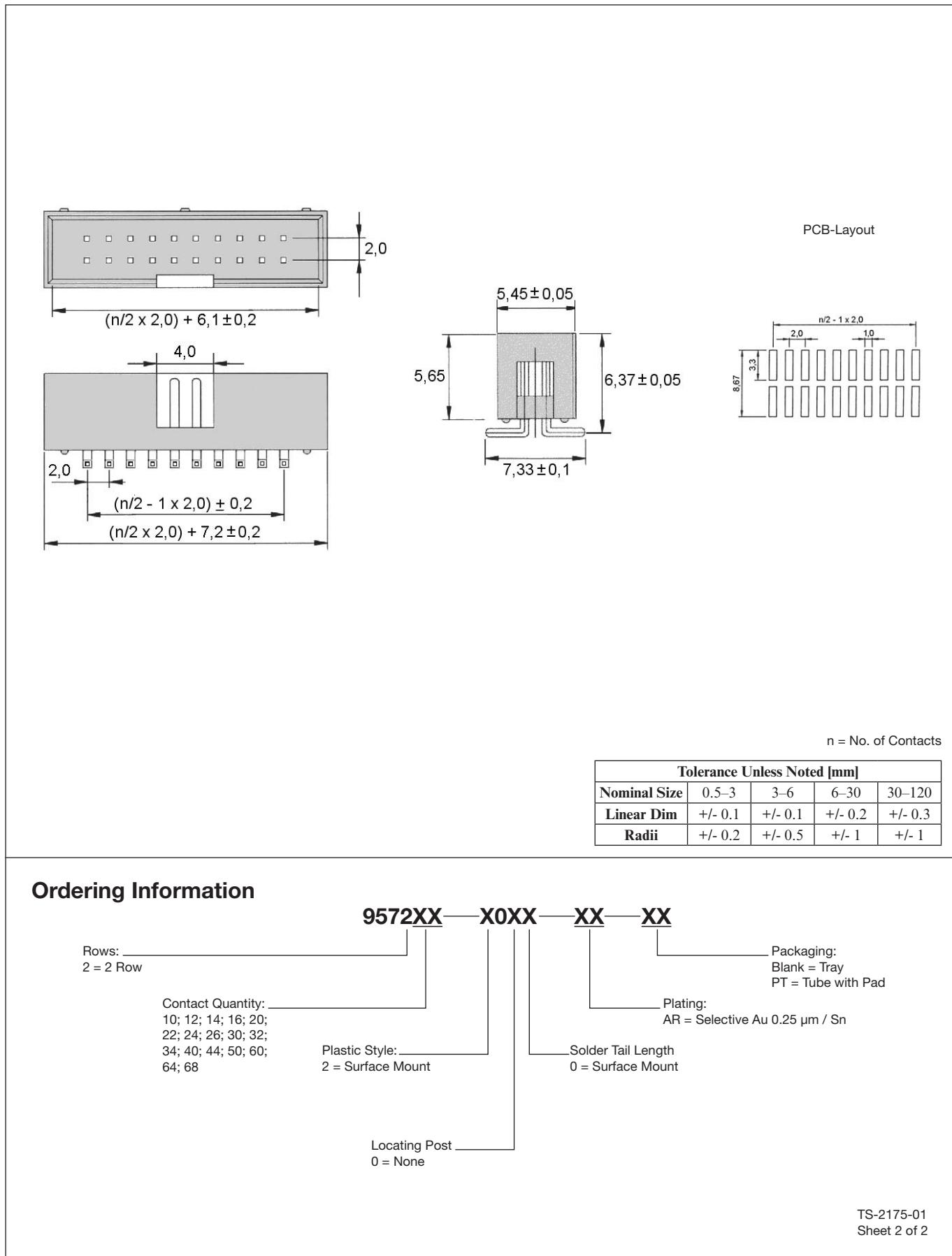
<http://www.3M.com/interconnects/>

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call your Local 3M Service Center

# 3M™ Pak 20 Box Header

2 mm x 2 mm, Surface Mount

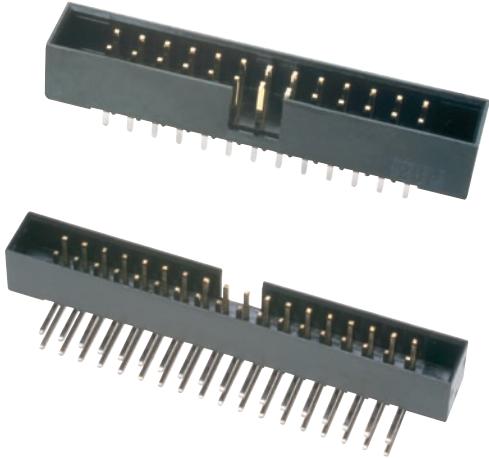
957 Series



# 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<sub>DC</sub>

**Withstanding Voltage:** 1000 V<sub>DC</sub>

**Transition Resistance:**  $\leq 20$  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.

**3M**  
**Interconnect Solutions**

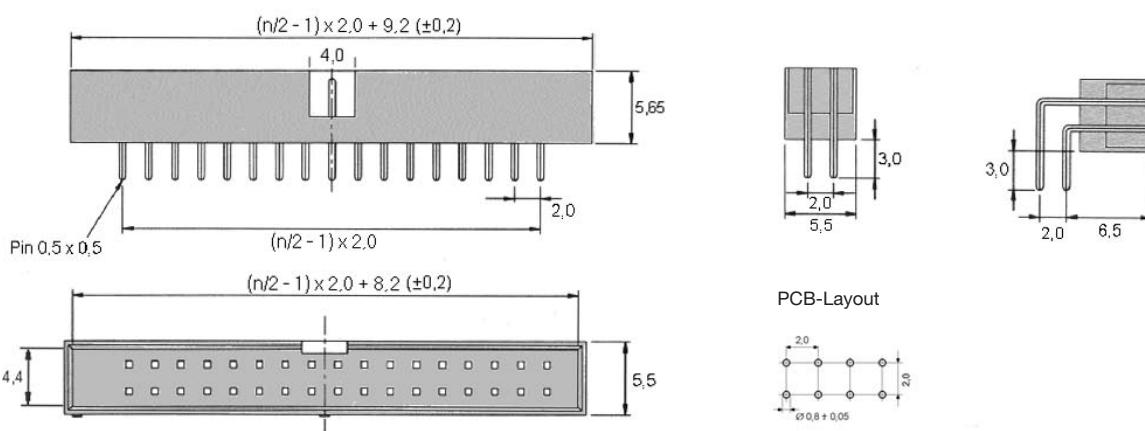
<http://www.3M.com/interconnects/>

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# 3M™ Pak 20 Box Header

2 mm x 2 mm, Surface Mount

957 Series



n = No. of Contacts

Tolerance Unless Noted [mm]			
Nominal Size	0.5-3	3-6	6-30
Linear Dim	+/- 0.1	+/- 0.1	+/- 0.2
Radii	+/- 0.2	+/- 0.5	+/- 1

## Ordering Information

9572XX—X0XX—XX

Rows: \_\_\_\_\_  
2 = 2 Row

Plating:  
AR = Selective Au 0.25 µm / Sn

Contact Quantity: \_\_\_\_\_  
10; 12; 14; 16; 20;  
22; 24; 26; 30; 32;  
34; 40; 44; 50; 60;  
64; 68

Plastic Style: \_\_\_\_\_  
5 = Right Angle,  
Thru Hole  
6 = Straight,  
Thru Hole

Locating Post \_\_\_\_\_  
0 = None

Solder Tail Length:  
2 = 3.0 mm

TS-2174-01  
Sheet 2 of 2

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