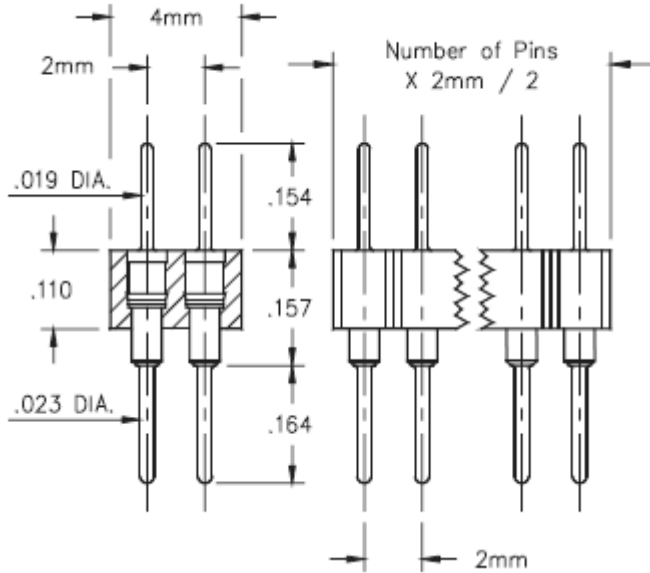




Product Number: 832-90-018-10-001000



**Description:**

Interconnect Header  
2mm Grid; Straight Pin Header  
Double Row  
Through Hole

**Plating Code:**

90

**Shell Plating:**

200 μ" Tin/Lead(93/7) over 100 μ" Nickel

# Of Pins	Mill-Max Part Number	RoHS Compliant
18	832-90-018-10-001000	NO

**LOOSE PIN:**

Loose Pin Used: 5012

**BRASS ALLOY** (UNS C36000) per ASTM B 16

**Properties of BRASS ALLOY:**

- Chemical composition: Cu 61.5%, Zn 35.4%, Pb 3.1%†
- Hardness as machined: 80-90 Rockwell B
- Density: .307 lbs/in<sup>3</sup>
- Electrical conductivity: 26% IACS\*
- Melting point: 900°C/885°C (liquidus/solidus)

†(3 to 4% lead is used to permit "free machining" and is permitted by EC Directive 2002/95Annex 6; so all pin materials are RoHS compliant)

\*International Annealed Copper Standard, i.e. as a % of pure copper.

**INSULATOR INFORMATION:**

**NYLON 46** (Stanyl TE250F6 {30% glass} or TE250F9 {45% glass}, black)

High Temperature

**Properties of NYLON 46:**

- Brand: Stanyl

- Grade: TE250-F6 or F9
- Material Heat Deflection Temp. (per ASTM D 648): 554°F (290°C) @ 264 psi

Note: Materials above 446°F (230°C) are considered suitable for "eutectic" reflow soldering, above 500°F (260°C) for "lead-free" reflow soldering.