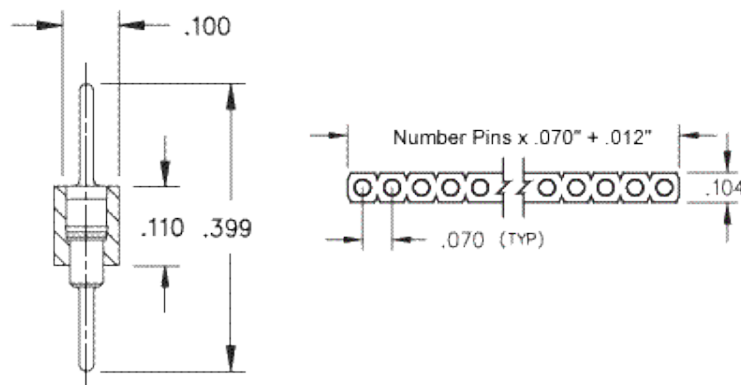


**Product Number: 862-90-021-00-180000**

**Description:**

Interconnect Header  
.070 Grid; Straight Pin Header  
Standard Solder Tail  
Through Hole

**Plating Code:**

90

**Shell Plating:**

200  $\mu$ " Tin/Lead(93/7) over 100  $\mu$ "  
Nickel

# Of Pins	Mill-Max Part Number	RoHS Compliant
21	862-90-021-00-180000	NO

**LOOSE PIN:**

Pin Used: 6218 (Brass Alloy)

**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:**

**PCT Polyester, (Thermx CG933, black)**

High Temperature

**Properties of PCT Polyester:**

- Brand: Thermx
- Grade: CG-933
- Rated voltage: 100 VRMS/150 VDC
- Insulation resistance: 10,000 Megaohms min.

- Material Heat Deflection Temp (per ASTM D 648): 529°F (276°C) @ 66 psi
- Dielectric strength: 1000 VRMS min. (700 VRMS min. for series 117 Shrink DIP)

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

# Mouser Electronics

Authorized Distributor

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Mill-Max:

862-90-021-00-180000