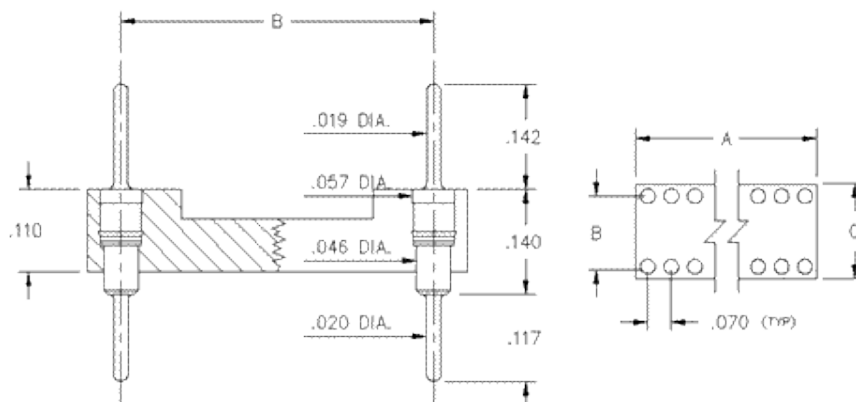


**Product Number: 162-90-648-00-180000**

**Description:**

 DIP Header  
 Solder Tail  
 Shrink DIP (.070 Spacing)  
 Open Frame  
 Through Hole

**Plating Code:**

90

**Shell Plating:**

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

**Packaging:**

Packaged in Tubes

| #<br>Of<br>Pins | A     | B     | C     | Qty.<br>per<br>Tube | Mill-Max<br>Part<br>Number | RoHS<br>Compliant |
|-----------------|-------|-------|-------|---------------------|----------------------------|-------------------|
| 48              | 1.692 | 0.600 | 0.690 | 12                  | 162-90-648-00-180000       | 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.