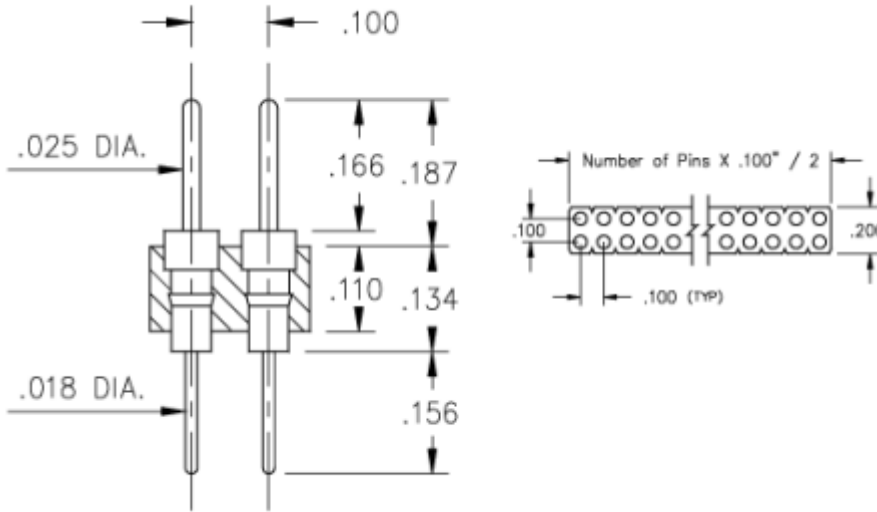




Product Number: 450-40-218-00-001000



**Description:**

Interconnect Header  
.100 Grid; Straight Pin Header  
.025 Pin Head with Solder Tail  
Double Row  
Through Hole

**Plating Code:**

40

**Shell Plating:**

200 μ" Tin (matte finish) over 100 μ" Nickel

# Of Pins	Mill-Max Part Number	RoHS Compliant
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18

450-40-218-00-001000



**LOOSE PIN:**

Loose Pin Used: 0290

**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:**

**PBT\*** Polyester, (Valox 420-SEO, black), Self-extinguishing, rated UL94V-0

Standard Temperature

**Properties of PBT Polyester:**

- Brand: Valox

- Grade: 420-SEO
- Color: Black
- Rated voltage: 100 VRMS/150 VDC
- Insulation resistance: 10,000 Megaohms min.
- Dielectric strength: 1000 VRMS min. (700 VRMS min. for series 117 Shrink DIP)
- Material Heat Deflection Temp (per ASTM D 648): 420°F(216°C) @ 66 psi
- Resistant to detergents, mineral acids, solvents, greases and oils (short time)