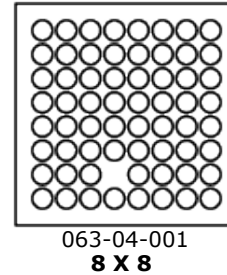
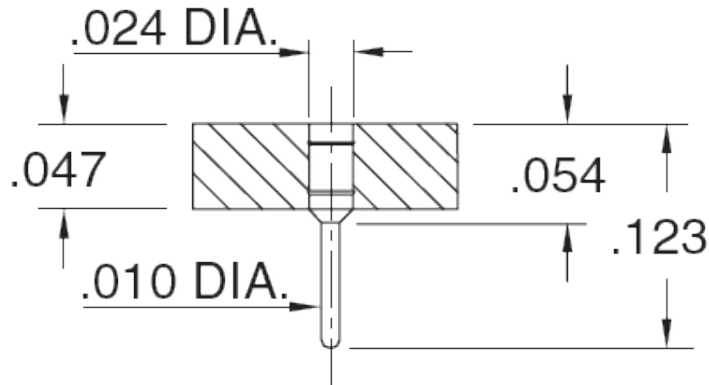


Product Number: 599-10-063-04-001429



**Description:**  
 BGA Header  
 0.8mm Grid; BGA Header  
**Plating Code:**  
 10  
**Shell Plating:**  
 10 μ" Gold over 100 μ" Nickel

# Of Pins	Mill-Max Part Number	RoHS Compliant
63	599-10-063-04-001429	

**LOOSE PIN:**

Pin Used: 9929 (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:**

## FR-4 Laminate

High Temperature

### Properties of FR-4 Laminate:

Epoxy/Glass Laminate. Thicknesses available: .010", .020", .031", .047", .062", .093", .125" (natural color, beige)

#### ENVIRONMENTAL DATA:

- Operating temperature range: -55/+125 °C
- Shock (No electrical discontinuity greater than 1µs):50 G
- Solderability: 364-52
- Resistance to soldering heat: 364-56A Test Cond. C
- Resistance to atmospheric corrosion: 364-22A/31A
- Climactic category (IEC): 365-17A
  - Nitric Acid Vapor Test: 365-17A
- Vibration (No electrical discontinuity greater than 1µs): 10-2000 HZ, 15 G