

# SPRING FINGER BTB COMPRESSION CONTACT: 9258-100



## General Description



KYOCERA AVX expands its product offering with the new 9258-100 Series Spring Finger Board-to-Board Compression Contact that reduces size and cost without compromising performance. This new low profile compression contact from KYOCERA AVX is surface mounted to a PCB and provides a reliable compression connection to the mating board even under extreme shock (50G) and vibration (2.7G random) applications. With over 30 years of experience in 1-piece compression contacts, this innovative contact provides full connector performance functionality at the individual contact level. This allows individual contacts to be placed in any location or position on a PCB.

The high-strength copper alloy contact is gold-plated to maximize reliability and signal integrity. The current offering includes three contacts covering heights from 1.00mm to 3.75mm. Contacts are supplied in tape and reel for easy SMT assembly.

This product is UL approved.

### APPLICATIONS

- Industrial/Rugged handheld or portable devices
- BTB connection for any traditional power or signal application
- Ground connections between PCB's or housings
- Application Notes: Refer to 201-01-251
- Product Specification: Refer to 201-01-252

### FEATURES AND BENEFITS

- Reliable gold plated copper alloy contacts for high cycle life and signal integrity up to 2500 cycles
- Tape and reel packaged for automated SMT placement
- Two gold plating options to match end product environmental or expected life requirements

### ELECTRICAL

- Current Rating: 6 Amp
- Voltage Rating: 600VAC (RMS) or DC Equivalent

### ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +60°C

### MECHANICAL

- Contact Material: Copper alloy
- Plating: Gold over nickel
- Durability: Up to 2500 Cycles (Au 0.4µ)

### HOW TO ORDER

**70**

Prefix

**9258**

Series

**001**

Number of Ways  
001 = 1

**1X0**

Type

110 = Deflected height 1.00 - 1.80 mm  
120 = Deflected height 1.60 - 2.80 mm  
130 = Deflected height 2.35 - 3.75 mm

**0**

**0**

**X**

Gold Plating  
4 = Flash  
6 = 0.4 µm



**SALES DRAWINGS**  
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Safety Standards: UL 1977-File #E90723



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