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	9258	001	1X0	0	0	X
Prefix	Series	Number of Ways 001 = 1	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			Gold Plating 4 = Flash 6 = 0.4 µm

SALES DRAWINGS
CLICK TO DOWNLOAD

Safety Standards: UL 1977-File #E90723

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.