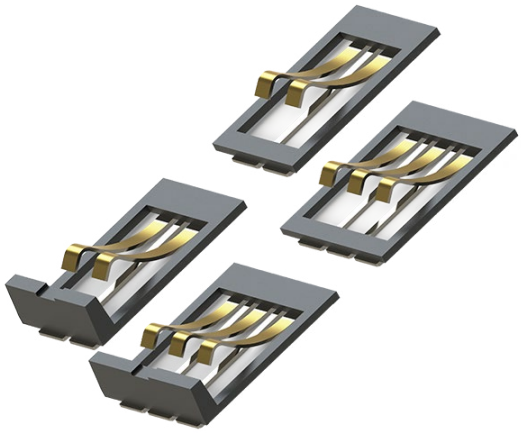
ULTRA-LOW PROFILE 2.5MM PITCH BATTERY: 9155-100

General Information



KYOCERA AVX has been leading the industry with reliable board-to-board (BTB) compression connectors for commercial, medical and harsh industrial applications since the very first contact patent in the early 1990s. The wide range of connectors offers both signal contacts supporting 1 amp/contact up to 40 positions and low pin count (LPC) power contacts up to 3 amp/contact.

The latest addition is the Ultra Low Profile (ULP) power connector that supports a compressed height of 1.3mm, the lowest on the market. Gold plated Beryllium Copper (BeCu) contacts provide the most reliable and robust contact performance in this miniature package. The sweeping contact design provides a 0.7mm deflection range, long contact wipe and more than 40 grams of contact force at minimum operating deflection. All combined, this connector is rated at an incredible 5000 mating cycles for mechanical endurance.

APPLICATIONS

- Low profile power, signal, ground or shielding requirements
- Repeatable/Pluggable module or battery pack requirements
- Low profile flex circuit to PCB applications
- Portable devices
- Product Specification: Refer to 201-01-094

FEATURES AND BENEFITS

- High Reliability / High Cycle Life BeCu contacts for maximum system performance
- ULP 1.3mm minimum operating height with 0.7mm "Z" axis compression/ tolerance range
- Gold plating supports a broad range applications based on reliability and environments
- 3 Amp contact rating over a -40°C to +105°C operating range supports a broad application spectrum

ELECTRICAL

- Current Rating: 3 Amps / Contact
- Voltage Rating: 125 VAC (RMS) or DC equivalent

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +70°C

MECHANICAL

- Insulator Material: Glass-Filled Nylon 46; UL94 V-O
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles

HOW TO ORDER

00 — **Prefix**

9155 — **Series**

00X — **No. of Ways**
2 = 002
3 = 003

10X — **Low Profile Battery Connector**
100 = No Stop, 1.30mm (0.051in) Operating Height
101 = Stop, 1.30mm (0.051in) Operating Height

00X — **Plating Option**
006 = 0.4µm Selective Gold, Standard
008 = 0.8µm Selective Gold, Special Order

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