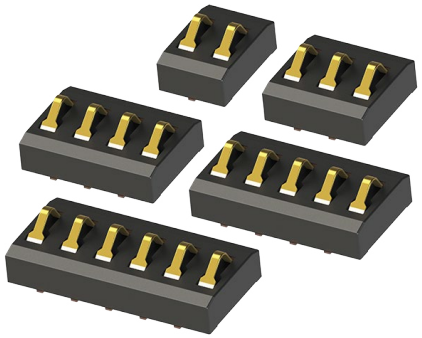
TWO-PIECE 4.0MM PITCH BATTERY: 9155-400

General Information



This unique battery or removable module-style connector differs from most others in that it allows the pluggable device to be connected from either direction. The spring contact offers an enhanced contact deflection range compared to existing connectors on the market, with a full 1.4 mm of travel after engagement. This contact design enables the connector to absorb more plastic or housing tolerances, making it more functional and reliable in real-life applications.

The fixed pad connector is unique in that it replaces the plating of gold directly onto PCB pads. The main benefit of this connector is that it elevates the pad surface well above the PCB, allowing the gold contacts to be close to flush with the outside packaging. This minimizes the distance that a spring contact would need to absorb within the mating tolerance band. Another unique feature of this connector is the angled contact lead-in on both sides, which facilitates smooth engagement of the spring contact from either direction.

APPLICATIONS

- Portable electronics requiring a removable battery
- Interface for removable/pluggable modules or cartridges
- Docking cradle for charging and data transfer
- Product Specification: 201-01-207

FEATURES AND BENEFITS

- Proven contact reliability in harsh industrial or medical applications
- Increased contact deflection range above existing connectors on the market
- Gold plated Beryllium contact spring contact assures maximum contact reliability and functionality up to 5000 cycles
- Beveled lead in on pad connector facilitates smooth module engagement from either direction

ELECTRICAL

- Current Rating: 5 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

- Contact Material: Spring contact is Be Cu, Fixed contact is Phosphor Bronze
- Contact Plating: Gold over nickel mating area, pure Tin SMT tails
- Durability 5000 Cycles

HOW TO ORDER

00 — **Prefix**

9155 — **Series**

00X — **No. of Ways**
2 = 002
3 = 003
4 = 004
5 = 005
6 = 006

40X — **Standard Battery Connector**
401 = Battery Connector, Sprung Half, 550 Per Reel
402 = Battery Connector, Fixed Half, 1100 Per Reel

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



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