**SlimStack Board-to-Board Connectors, 0.35mm Pitch, SSB RP Series**

**0.35mm pitch connectors deliver up to 3.0A power through protective metal covers and provide superior mating guidance and electrical contact assurance.**

SSB RP Series delivers design flexibility while meeting tight-packaging needs with mated height variation, 0.60mm to 1.00mm, without having to redesign the PCB layout. As consumers continue to demand smaller devices, the need for microminiature designs grows.

**Features and Advantages**

- **Dual-Contact Design**
  - Provides secure reliability

- **Wide Alignment Area**
  - Provides easy and secure mating

- **Metal Power Armor Nail Feature**
  - Provides housing protection with up to 3.0A current

- **Double Contact Armor Nail**
  - Provides reliable contact interface with flexible arm springs and two-point contact

Customer can select stack height without having to redesign the PCB layout.

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<th>Mated Height (mm)</th>
<th>Receptacle</th>
<th>Plug</th>
</tr>
</thead>
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<tr>
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**Applications**

**Mobile Devices**
- Smartphones
- Tablet PCs
- Wearable Devices
- Portable Audio
- Portable Navigation Equipment

**Medical Devices**
- Patient Monitoring
- Therapeutic and Surgical

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**Smartphone**

**Wearable Watch**

**Patient Monitoring**
SlimStack Board-to-Board Connectors, 0.35mm Pitch, SSB RP Series

Specifications

REFERENCE INFORMATION
Packaging: Embossed Tape on Reel
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low-Halogen

ELECTRICAL
Voltage (max.): 50V
Current (max.):
  - Signal Contact: 0.3A per circuit
  - Nail Contact: 3.0A per circuit
Contact Resistance (max.):
  - Signal Contact: 80 milliohms
  - Nail Contact: 30 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance (min.): 100 Megohms

MECHANICAL
Durability (max.): 30 cycles

PHYSICAL
Housing: LCP, UL94V-0, Black
Contact: Copper Alloy
Plating:
  - Contact Area – Gold
  - Solder Tail Area – Gold
  - Underplating – Nickel
Operating Temperature: -40 to +85°C

Dimensions

* Refer to drawing for detail dimension

Receptacle

Plug

Ordering Information

<table>
<thead>
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<th>Mated Width (mm)</th>
<th>Circuits</th>
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**: circuit size

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