SlimStack Board-to-Board Connectors, 0.35mm Pitch, SSB6 Standard Series

0.35mm pitch, 0.60mm height B-to-B connectors offer maximum space savings for tight-packaging applications.

SSB6 Standard Series delivers design flexibility while meeting tight-packaging needs. As consumers continue to demand smaller devices, the need for microminiature designs grows. We can meet these low-profile needs with pitch sizes as small as 0.35mm, mated heights as low as 0.60mm and widths as narrow as 2.00mm.

Features and Advantages

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

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

- **Low-Halogen**
  Best material selection for environmental considerations

- **Wide Pick-and-Place Area**
  Vacuum space for SMT nozzle

Applications

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

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

**Smartphone**

**Wearable Watch**

**Patient Monitoring**
Specifications

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

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

MECHANICAL
Durability (max.): 30 cycles

PHYSICAL
Housing: LCP, UL 94V-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

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Mated Height (mm)</th>
<th>Mated Width (mm)</th>
<th>Circuits</th>
</tr>
</thead>
<tbody>
<tr>
<td>**504618-**12</td>
<td><strong>0.60</strong></td>
<td><strong>2.00</strong></td>
<td>10, 20, 24, 30, 34, 40, 50, 64, 70</td>
</tr>
</tbody>
</table>

Plug

Ordering Information

** indicates Circuit Size

www.molex.com/link/slimstack.html

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