

Board to Board (FPC) Connectors

Board to FPC Connectors: FB-9 Series

Features

- 1. Large current connector for battery.
- 2. Highly reliable and stable connection using SMK's unique contact structure.
- 3. High retention force by SMK's unique locking mechanism on the contact terminal and hold-down.
- 4. Power terminal supports 15A current (when using 4pins for power).
- 5. Multiple pin count with 8pins satisfies the need of multifunctional battery (Power: 4Pin, Signal: 4Pin).
- 6. Low profile design with 0.7mm mating height, 2.2mm width and 4.95mm depth.

Specifications

Pitch : 0.4mmMating Height : 0.7mm

Width : 2.2mm (Socket)

• Number of Pins : 8 (Power: 4Pin, Signal: 4Pin)

Rating
Contact Resistance
50V AC/DC, 7.5A/pin (Power), 1.5A/pin (Signal)
5mΩ max. (Power Pin), 30mΩ max. (Signal Pin)

Insulation Resistance : 100MΩ min. at 100V DC
Withstanding Voltage : 100V AC (for one minute)
Operating Temperature Range : -40°C to +85°C





