

Board to Board (FPC) Connectors

Board to FPC Connectors: FB-1E 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 3A current (when using 2pins for power).
- 5. Multiple pin count with 5pins satisfies the need of multifunctional battery (Power: 2Pin, Signal: 3Pin).
- 6. Low profile and space-saving design with 0.5mm mating height, 1.5mm width and 3.2mm depth.

Specification

Pitch :0.35mmMating Height :0.5mm

• Width :1.5mm (Socket)

Number of Pins :5 (Power:2Pin, Signal:3Pin)

Rating
Contact Resistance
20V AC/DC, 3.0A/pin (Power), 0.3A/pin (Signal)
10mΩ max. (Power Pin), 30mΩ max. (Signal Pin)

Insulation Resistance :1000MΩ min. at 100V DC
Withstanding Voltage :100V AC (for one minute)
Operating Temperature Range: -25℃ to +85℃





