

# Board to Board (FPC) Connectors

## **Board to FPC Connectors: FB-11 Series**

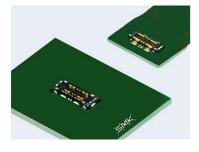
#### Features

- 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 10A 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 6.08mm depth.

: 8 (Power : 4Pin, Signal : 4Pin)

#### Specifications

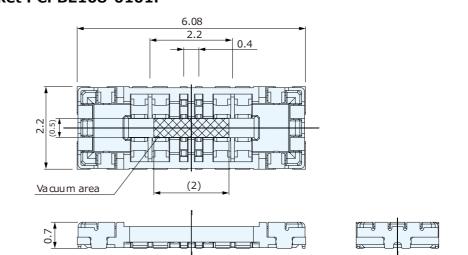
- Pitch Mating Height
- : 0.4mm : 0.7mm
- : 0.7mm : 2.2mm (Socket)
- Width
- Number of Pins
- Rating
- Contact Resistance
- Insulation Resistance
- : 100MΩ min. at 100V DC : 250V AC (for one minute)
- Withstanding Voltage : 250V AC (for
  Operating Temperature Pange : -40°C tr
- Operating Temperature Range : -40°C to +85°C



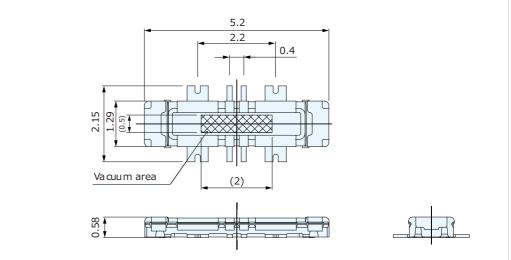
## Socket : CPBE108-0101F

: 50V AC/DC, 5.0A/pin (Power), 0.4A/pin (Signal)

:  $20m\Omega$  max. (Power Pin),  $40m\Omega$  max. (Signal Pin)



### Plug : CPBE208-0101F



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Dimensions and specifications given in this catalog are for major items only. For details, please refer to individual drawings and specifications, which are available upon request. Prior to commencement of deliveries, our relevant delivery specifications need to be mutually agreed upon in writing.