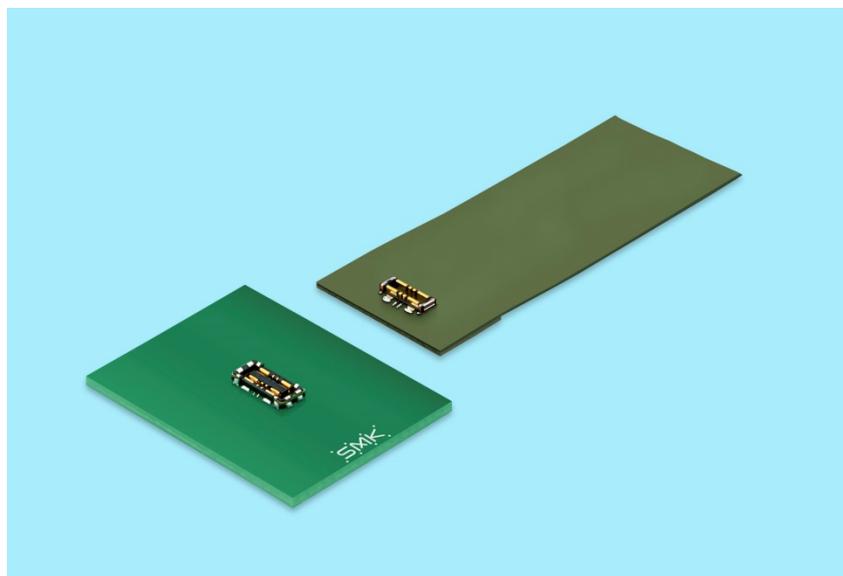


## SMK Develops “FB-9 Series” FPC to Board Battery Connectors Corresponding to 15 Ampere High Current Capacity



SMK Corporation has developed the “FB-9 Series” FPC to board connectors for connecting the batteries of small mobile devices which expands the product line of “FB Series”.

In the small mobile device market, correspondence to high currents and miniaturization are required to battery connectors in recent years. The newly developed FB-9 Series has the power terminal rated at 15 Amps (twice higher than the previous products “FB-8 Series”), meeting the high current requirements. It features a space-saving design with stack height of 0.70mm and external dimensions of 4.95mm Length × 2.20mm Width.

The functionality of batteries found in thin mobile devices has increased; accordingly there is demand for the increase in the number of signal pins in battery connectors. In order to satisfy these functionalities, FB-9 series connector has four signal pins.

FB Series offers high retention force with SMK’s unique locking mechanism on the contact terminal and hold-down.



## **【Applications】**

Smartphones, tablet PCs, other mobile devices

Published Date	September 20th, 2017	
Press Release Number	1087CS	
Product Name	FPC to Board Connectors "FB-9 Series" Part Number: CPBC308-0301F (Socket) CPBC408-0301F (Plug)	
Major Specifications	Number of Pins	8 (4 power + 4 signal)
	Rating	50V AC/DC, 1.5A/pin (signal), 7.5A/pin (power)
	Contact Resistance	5mΩ maximum (power), 30mΩ maximum (signal)
	Insulation Resistance	100V DC (1 minute)/ 100 MΩ
	Withstanding Voltage	100V AC (1 minute)
	Operating Temperature Range	-40℃ to +85℃
	External Dimensions	Length: 4.95mm Width: 2.20mm Stack height: 0.70mm
Release Date	October, 2017	
Production Capacity	3,000,000 units per month	
Sample Price	100 yen per unit	
Inquiry	<a href="#">For more information, please contact the CS Division</a>	