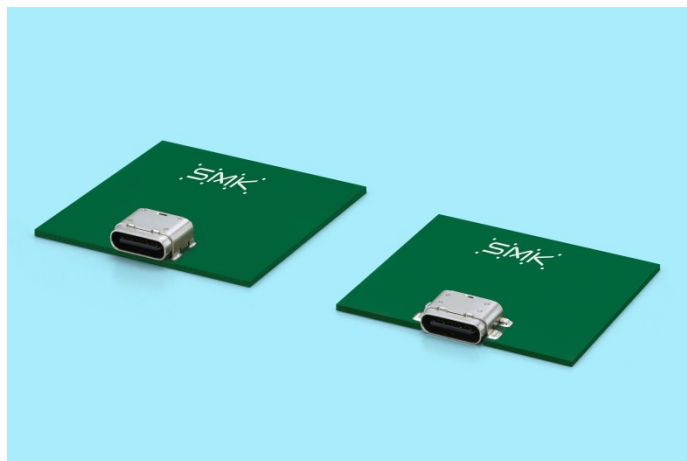**SMK**

SMK Develops USB Type-C™ PCB Mount Receptacles Having the Industry's Shortest-level Depth of 7.6mm

SMK Corporation has developed two types of right angle PCB mount receptacles —On Board Type/Mid Mount Type— which are compatible with USB Type-C™ standard*.

As the trend toward smaller products is growing, the miniaturization of installed connectors is also required. SMK's new USB receptacles have the industry's shortest-level depth of only 7.6mm.

Simultaneously, enhanced durability against plug twisting has achieved by the double-shell structure.

Also, the SMK's unique structure ensures a precise coplanarity of 0.08mm (max.), contributing to reliable mounting.

The design of outer shell for mounting is customizable in accordance with the customer's request.

* USB Type-C™ is a trademark of USB Implementers Forum.
  USB Type-C™ is a new standard for USB connector, featuring the support of high-speed transmission of up to 10Gbps, and reversible mating which enables insertion and extraction regardless of the plug's orientation.

【Applications】

Smartphones, tablet PCs, car navigation equipment, set-top boxes, head-mounted displays, robots, digital cameras, etc.

Published Date	June 20th, 2017	
Press Release Number	1082CS	
Product Name	USB Type-C™ Receptacle Part Number: CSS5324-1M01F (Mid Mount Type), 　　　　　　　CSS5324-3M01F (On Board Type)	
Major Specifications	Rated Power	5A maximum, 20V DC
	Contact Resistance	40mΩ maximum
	Insulation Resistance	100V DC, 100MΩ minimum
	Withstanding Voltage	100V AC (1 minute, no arc or dielectric breakdown)
	Operating Temperature Range	-30℃ to + 80℃
	External Dimensions	CSS5324-1M01F (Mid Mount Type): 8.94mm (W)×7.6mm (D)×3.46mm (H) 　　Mounting Height: 1.88mm 　　Mounting Area: 92.575mm^2 CSS5324-3M01F (On Board Type): 8.94mm (W)×7.6mm (D)×3.5mm (H) 　　Mounting Height: 3.5mm 　　Mounting Area: 74.463mm^2
	Operating Life	10,000 cycles

Goes Into Mass Production From	August, 2017
Production Capacity	1,000,000 units per month
Sample Price	200 yen per unit
Inquiry	For more information, please contact the CS Division