USB TYPE-C CONNECTORS

TE Connectivity's (TE) USB Type-C connectors are designed to an industry standard that provides a sleek, slim design small enough for handheld devices and robust enough for industrial applications. The USB Type-C connector features a reversible mating interface; the receptacle is designed to accept a plug in any direction, enabling easy, reliable mating. This connector supports a variety of different protocols, and with the use of adaptors, it is backwards compatible to HDMI, VGA, DisplayPort, and other types of connections from the single USB Type-C port. We provide a distinctive electromagnetic interference (EMI) design on the back of the receptacle shell to help eliminate unwanted EMI leakage, as well as enhanced retention features, waterproof and splash proof options for better performance in rugged environments.

USB Type-C Connectors

Benefits

- Distinctive design on the back of the receptacle shell for industry leading EMI performance
- Enhanced board retention features for added durability
- IPX8 waterproof and IPX4 splash proof options available
- Available in one of the smallest dual row surface mount (SMT) footprints, saving valuable board real-estate.
- Provide one interconnect solution for data, power, and A/V
- Designed with a flippable and reversible mating interface
- Supports USB 2.0, USB 3.1 Gen 1 and USB 3.1 Gen 2
- Deliver power up to 100W at 20V
- Backward compatible to other USB connectors using converter cables or adaptors

New Waterproof Dual Row SMT Receptacle

Mid-Mount Hybrid Receptacle

Applications

- Factory automation
- Industrial machinery
- Data centers
- Medical devices
- A/V digital switches
- Power packs and chargers
- Automotive infotainment
- Business equipment
- Lighting
- Tablets
- PCs and laptops
- Wearables
- Smart phones

Splash Proof Dual Row SMT Receptacle

Part Number Information

Description	TE Part Number
USB Type-C Receptacle On Board Dual Row SMT, IPX8	2305018-2
USB Type-C Receptacle Mid-Mount 0.485 Hybrid	2129691-1
USB Type-C Receptacle Offset 0.65mm Dual Row SMT, Splash Proof	2295018-2
USB Type-C Receptacle Offset 0.65mm Dual Row SMT	1-2295018-2

te.com/products/USBTypeC

Materials

- Contact: Copper alloy
- Housing: Thermo plastic, UL 94 V-0
- Shell: stainless steel

Ratings

- Voltage rating: 30V max.
- Current rating:
  - VBUS pins: 5A max, GND pins: 6.25A
  - VCONN pins: 1.25A max.
  - Signal pins contact: 0.25A min.
- Temperature rating: -30°C to 85°C

Specifications

- Product specs: 108-99061, 108-115109-2

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