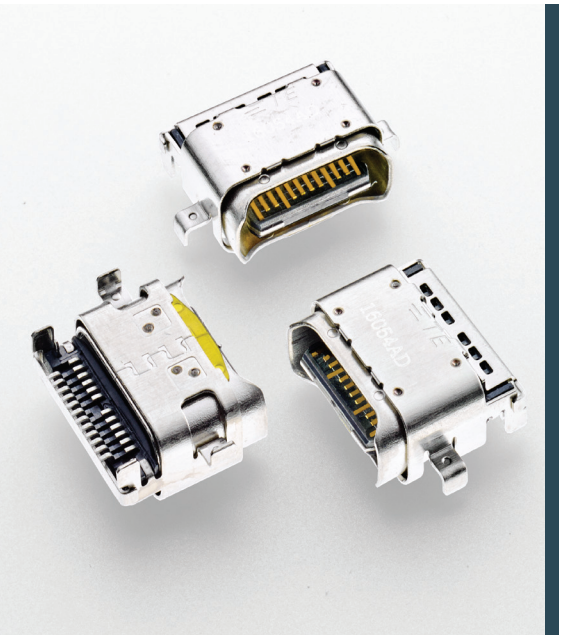

USB TYPE-C CONNECTORS

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 small/home appliances, 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, Display Port 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.

APPLICATIONS

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

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
- Support USB4 Gen 3, USB 3.1 Gen 1, USB 3.1 Gen 2 and USB 2.0
- Transfer data up to 40 Gbps
- Deliver power up to 100W at 20V
- Backward compatible to other USB connectors using converter cables or adaptors

Waterproof Dual Row SMT Receptacle

Mid-Mount Hybrid Receptacle

Splash Proof Dual Row SMT Receptacle

Top Mount Dual SMT Receptacle

MATERIALS

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

RATINGS

- Voltage rating: 20V 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 80°C

SPECIFICATIONS

- Product specs: 108-99061, 108-115109-2, 108-160251

PART NUMBER INFORMATION

Description	TE Part Number
USB 3.1 Receptacle on Board Dual Row SMT, IPX8	2305018-2
USB 3.1 Receptacle Mid-Mount 0.485 Hybrid	2129691-1
USB 3.1 Receptacle Offset 0.65mm Dual Row SMT, Splash Proof	2295018-2
USB 3.1 Receptacle Offset 0.65mm Dual Row SMT	1-2295018-2
USB 3.1 Receptacle Mid-Mount 0.485 Hybrid	2129691-2
USB 3.1 Receptacle Top Mount CH1.6	2338792-1
USB 2.0 Receptacle Mid-Mount 16pos	2340901-1
USB 3.1 Receptacle Top Mount Dual SMT 1.63CH	2345986-1
USB 3.1 Receptacle Vertica	2337857-1
USB 3.1 Top Mount Dual SMT 1.63CH 15U	2345986-2
USB 3.1 Top Mount Dual SMT 1.63CH 30U	2345986-3
USB4.0 Gen3 Mid PCB Mount Receptacle	2385692-1
USB4.0 Gen3 Top Mount Dual SMT Receptacle	2388749-1

te.com/products/USBTypeC

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