

INTRODUCING USB TYPE-C (USB4 GEN 3) CONNECTORS

- Premium high frequency performance
- Reliability during assembly



TE Connectivity's new USB Type-C (USB4 Gen 3) receptacle connectors provide the premium performance required by next-generation applications like mobile phones and notebooks in AI and IoT that demand data transfer speeds up to 40 Gbps and reliable charging functionality.

APPLICATIONS

- Mobile phones
- Notebooks
- Tablets
- Peripherals (monitors, displays, projectors, printers)
- Gaming or home entertainment (TV, VR/AR devices)
- Computing, PC or SOC design

ELECTRICAL

- **Voltage rating:** 20V
- **Current rating:** 5A
- **Data transmission:** Up to 40 Gbps

MECHANICAL

- **Mating/unmating force:** 4-20N after 10,000 mating cycles
- **Operating temperature:** -40° to 80° C

MATERIALS

- **Housing:** LCP
- **Shell:** Stainless steel
- **Contact:** Copper alloy
- **Mid-plate:** Stainless steel

KEY BENEFITS

- Excellent signal integrity (SI) performance in harsh environments (from low to high frequency)
- Transfers data up to 40 Gbps
- Excellent structure strength for a more robust connector shell
- Manufactured with an advanced insert molding process that helps avoid pin warping issues
- Supports resistance to damage and connection integrity during the customer assembly process
- Backward-compatible with Thunderbolt 3, USB 3.x and USB 2.0 connectors

STANDARDS AND SPECIFICATIONS

- USB4 specification