

USB TYPE-C CHARGE-ONLY RECEPTACLES

USB Type-C charge-only receptacles are a simplified version of a standard USB Type-C receptacle that use the familiar USB Type-C form factor for power-only applications. USB charge-only receptacles reduce the complexity and failure rate of the connector by eliminating most of the pins and associated solder points in the connector which also helps to reduce the overall cost. The 16 data transfer pins and 2 of the ground pins are removed, leaving only 4 power pins and 2 ground pins. The connectors mate with standard USB Type-C plugs and cable assemblies that transfers both data and power, so there are no additional steps or hardware needed by the end-user when interacting with the product. The customer's end product can also be upgraded to a higher performance standard USB Type-C receptacle with little to no change in the existing board design.



PRODUCT FACTS

- Standard USB Type-C interface
- 4 power pins and 2 ground pins
- Designed for power-only applications
- Durability: 20,000 cycles
- Insulator UL 94V-0 rated
- Shell: Stainless steel / nickel finish
- Contacts: Copper alloy / gold plated
- Insertion force: 20N (2.04 kg) maximum
- Extraction force: 6N (0.61 kg) minimum
- Temperature Range:
 - Operating: -30°C to +85°C

APPLICATIONS

- Portable device charging
- Modular system interfaces
- POS devices
- Tracking and logistics (industrial)
- Robotics

KEY FEATURES

- By stripping away features that would otherwise go unused, USB Type-C charge-only receptacles allow for a no-frills option to charge/power devices at a lower price point
- Mates with standard USB Type-C plugs and cable assemblies
- Designed to allow upgrade to standard USB Type-C receptacle without requiring changes to existing board designs
- Top mount, mid mount, and vertical mount options available

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USB TYPE-C CHARGE-ONLY RECEPTACLES

Part Number	Description
2479774-1	USB Type-C Charge-Only Receptacle,6 Pin, Top Mount, 1u GF
2479774-2	USB Type-C Charge-Only Receptacle,6 Pin, Top Mount, 3u GF
2480843-1	USB Type-C Charge-Only Receptacle,6 Pin, Mid mount, 3u GF
2480790-1	USB Type-C Charge-Only Receptacle,6 Pin, Vertical, Long, 3u GF
2480803-1	USB Type-C Charge-Only Receptacle,6 Pin, Vertical, Short, 3u GF
2480842-1	USB Type-C Charge-Only Receptacle,6 Pin, Top mount, 3u GF

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