



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 chargeonly 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

LEARN MORE

• Landing Page

USB TYPE-C CHARGE-ONLY RECEPTACLES

Part Number	Description
<u>2479774-1</u>	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

te.com

TE, TE Connectivity, TE connectivity (logo), and FASTON are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2024 TE Connectivity. All Rights Reserved.

Published 02-24

