

USB Type-C

All in one solution for your Power, Video and Data requirements

Introduction:

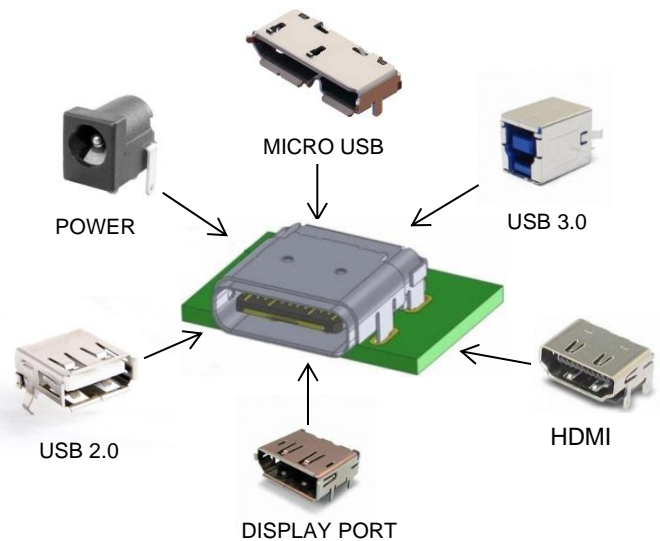
USB Type-C is a reversible-plug connector designed to support USB 3.1 with a top speed of 10Gbps. It is a 24 pin double sided connector similar in size to a micro-USB type B connector with a high power output of up to 100W (20vdc @ 5A). The connector provides four power/ground pairs, two differential pairs for USB 2.0 data bus (though only one pair is implemented in a Type-C cable), four pairs for high-speed data bus, two "sideband use" pins, and two configuration pins for cable orientation detection, a dedicated bi-phase mark code (BMC) configuration data channel, and VCONN +5 V power for active cables. USB Type-C also allows for bi-directional power charging input/output which significantly cuts down the amount of connectors / cables currently needed to make devices work. Type-C USB is backward-compatible with USB 3.0 and USB 2.0 connectors.

Electrical Specifications:

Current rating: 5.0 A (Vbus) / .25 A (Vconn)
Contact resistance: 40 mohms max @ 20mV,
Insulation resistance: 100 Mohms min.
Dielectric withstanding: 100 VAC RMS

Mechanical:

Insertion force: 5~20 N
Withdrawal force: 8~20 N
Durability: 10,000 Cycles



Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper Alloy
Shell: Stainless Steel, Nickel plated
Plating:
Gold flash over Nickel under plate on contact area,
Tin over Nickel underplate on solder tails.

Features:

- Supports USB 3.1 with the top speed of 10Gbps
- High power output of up to 100W (20vdc @ 5A) and standard cables @ 3A
- Allows for bi-directional power charging input/output (Laptops to Smartphones).
- Significantly cuts down the amount of connectors / cables currently needed to make devices work
- Backward-compatible with USB 3.0 and USB 2.0



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USB Type-C

All in one solution for your Power, Video and Data requirements



USB-C31-S-RA-CS2-BK
USB Type C R/A Long
Body, Top PCB Mount



USB-C31-S-RA-BK
USB Type C R/A,
Extra Shield Pins
Top PCB Mount



USB-C31-S-RA-CS1-BK
USB Type C R/A
Top PCB Mount



USB-C31-S-RA-CS1-BK-SS
USB Type C R/A Short Body,
Top PCB Mount



USB-C31-S-RA-EH2.0-BK
USB Type C R/A
Mid PCB Mount



USB-C31-S-VT-CS2-BK
USB Type C Vertical PCB
Surface Mount



USB-C31-PLUG-BK-PCB
USB Type C Plug
Vertical PCB Mount



USB-C31-PLUG-BK
USB Type C Cable
Mount Plug



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