

Type C Charging Connector

5A
High current
charging

SMT
6pin Vertical
type

>10000
Mating Cycle



Features

A one-stop interconnection solution that can satisfy data, power and A/V at the same time.

The interface adopts reversible design.

Support USB 2.0, USB 3.1 Gen 1 and USB 3.1 Gen 2 and other types.

Up to 100W at 20V.

Easily backward compatible with other USB connectors using conversion cables or adapters.

Application

- It can be widely used in the charging connection base of household appliances.
- Charging dock that can be used for rechargeable children's toys.
- It can be widely used in the general charging of products in the low-end application market, and has patent protection.



Material

1. Housing: LCP, Glass Fiber Filled Black, UL-94V-0

2. Contact Terminal: Copper Alloy

3. Shell: Stainless steel

Electrical

1. A current of 5.0 A shall be applied collectively to VBUS pins (pins A4, A9, B4, and B9)

2. 1.25 A applied to the VCONN pin (pins B5 of the plug connector) with the return path through the corresponding GND pins (pins A1, A12, B1, and B12).

3. A minimum current of 0.25 A shall also be applied individually to all the other contacts.

4. Contact Resistance: 40mΩ Max (Initial), 50mΩ Max (After Test)

5. Insulation resistance: 100MΩ Min
Dielectric withstanding voltage: 100V AC for 1 minute between adjacent terminal, no breakdown

Mechanical

Durability: 10,000 Cycles

Mating Force: 5 to 20N

Unmating Force: 8 to 20N after testing

Environmental and Processing

Operating Temperature: -40°C to +80°C

Solder Temperature: Peak temp 255°C (+5/-0°C) Maximum (5 seconds above 250°C)

