ConntoConn
From Connectors to Connectivity

USB 2.0 Type C (Lite version)

WATERPROOF & NON-WATERPROOF HIGH SPEED, LITE USB 2.0 TYPE C

The Lite version of 16pin USB 2.0 Type C connectors come with, top and middle mount options. These connectors can deliver a speed performance of 480Mb/s, with a current rating of 5A, and power rating up to 100W. It is ideal for consumer applications such as wearable devices, power banks, smart home devices, e-cigarettes and especially for TWS (True Wireless Stereo) headphones.

- Competitive price
- Current rating of 5A and power rating up to100W
- Reversible plug and cable orientation
- Tailored for consumer products

TARGET MARKETS

FEATURES	BENEFITS
Lite version	16 pin with competitive cost
Data transmission up to 480Mb/s	High speed data communication
Excellent copper alloy material for terminal design	Extended 5A current rating for USB power delivery
Reversible plug and cable orientation	Tailored for emerging product designs for better user experience
Advanced LIM (Liquid Injection Molding) technology	Reach IPX8 waterproof level
Up to 10,000 mating cycles	Enhanced durability

USB 2.0 Type C (Lite version)

TECHNICAL INFORMATION

MATERIAL

☞Housing: PA46 or LCP, receptacle: PA46 or LCP

☞Molding Housing: Black, high temperature plastic

☞Top Terminal: Copper alloy

☞Bottom Terminal: Copper alloy

☞Mid Plate: Stainless steel, nickel 30μin min.

☞Outer Shell: Stainless steel, solder nickel 30μin min.

☞Main Shell: Stainless steel, NI plated or leaning

☞Small Shell: Stainless steel, NI plated or cleaning

☞LIM: Silica gel, black

MECHANICAL PERFORMANCE

☞Durability: 10000 cycles

☞After Durability extraction force: 6 to 20N

☞Insertion Force: 5 to 20 N

☞Extraction Force: 8 to 20 N

ELECTRICAL PERFORMANCE

☞Low Level Contact Resistance: 40mΩ max.

☞Insulation Resistance: 100mΩ min.

☞Contact Current Rating: 5A max.

☞Dielectric Withstanding Voltage: 100VAC

PACKAGING

☞Tape & Reel

SPECIFICATION

☞Product Specification: SSN002

ENVIRONMENTAL

☞Operation Temperature Range: -40°C to +85°C

APPROVALS AND CERTIFICATION

☞RoHS

☞Halogen Free

TARGET MARKETS/APPLICATIONS

Wearable Devices
Power Banks
Smart Home Devices
E-Cigarettes
TWS (True Wireless Stereo) Headphone Markets.

PART NUMBERS

Description	Part Numbers
USB 2.0, Mid mount, 16 pin, Center Height 0.65mm, Single Row SMT	12401976E212A
USB 2.0, Top mount, 16 pin, Center Height 1.50mm, Dual Row SMT, IP68	124019772112A