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

- Lite version
- Data transmission up to 480Mb/s
- Excellent copper alloy material for terminal design
- Reversible plug and cable orientation
- Advanced LIM (Liquid Injection Molding) technology
- Up to 10,000 mating cycles

BENEFITS

- 16 pin with competitive cost
- High speed data communication
- Extended 5A current rating for USB power delivery
- Tailored for emerging product designs for better user experience
- Reach IPX8 waterproof level
- Enhanced durability

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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: $40m\Omega$ max.
- Insulation Resistance: $100m\Omega$ min.
- Contact Current Rating: 5A max.
- Dielectric Withstanding Voltage: 100V AC

PACKAGING

- Tape & Reel

SPECIFICATION

- Amphenol 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

CMIOUSB20LTE1019EA4

...ve information is subject to change without notice.

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