

USB 3.1 TYPE C GEN 2 CONNECTOR

Superior performance up to 10Gb/s

COMPACT, HIGHLY RELIABLE, HIGH SPEED CONNECTOR

USB 3.1 Type C Gen 2 is the future of the USB technology providing multifunction single cable solution for Data, Power, Audio and Video. The slim form factor supports the evolving design trends. The reversible design enables quick and easy connections no matter which way it is inserted. It supports scalable power delivery up to 100W and performance speed up to 10Gb/s.

- Supports SuperSpeed communication 10Gb/s
- Reversible plug and cable orientation
- Slim and sleek design
- Better EMI shielding design



FEATURES

- Supports SuperSpeed communication 10Gb/s
- Reversible plug and cable orientation
- Robust and small form factor design
- Better EMI (Electromagnetic Interference) shielding design
- RoHS compliant and lead-free

BENEFITS

- Minimizes user waiting time
- Ready for next-generation applications
- Ensures quick and easy connections whichever way it is inserted
- Tailored for emerging product designs
- Suitable for applications in very thin platforms and the I&M market
- Protects against EMI and ESD (Electromagnetic Discharge)
- Meets environmental, health and safety requirements



► USB 3.1 TYPE C GEN 2 CONNECTOR

TECHNICAL INFORMATION

MATERIAL

- Housing : High Temperature Thermoplastic
- Shell : Stainless Steel
- Terminal: Copper Alloy

MECHANICAL PERFORMANCE

- Mating Force: 5 to 20N
- Durability: 10,000 mating cycles

PACKAGING

- Receptacle: Tape/Reel
- Plug: Tray

ELECTRICAL PERFORMANCE

- Low Level Contact Resistance:
 - Initial 40mΩ max.
 - $\Delta R = \pm 10m\Omega$ max. after environmental stress
- Insulation Resistance: 100MΩ min.
- Transfer SuperSpeed: 10Gb/s
- Voltage Rating: 100VAC/DC
- Current Rating:
 - 5.0A for VBUS and GND
 - 1.25A for Vconn and GND
 - 0.25A for all other contacts

ENVIRONMENTAL

- Operating Temperature -55°C to 85°C

SPECIFICATIONS

- Product Specification: GS-
- Packaging Specification: GS-

TARGET MARKET/APPLICATIONS



Infotainment



Laptop
Flash Drive
Adaptor
Phone
Tablet
Portable Power Bank
Portable HDD
Wearable Device



Motherboard Add-on Card
Storage Adaptor
Storage Enclosure



Factory Automation Equipment
Industrial Equipment

PART NUMBERS

Description	Orientation	Mounting Style	Part Numbers
USB 3.1 Type C Gen 2 receptacle	Right angle	Top mount SMT + DIP (Long shell)	10133476-10001LF
USB 3.1 Type C Gen 2 receptacle	Vertical	Top mount dual SMT	10132328-10011LF
USB 3.1 Type C Gen 2 plug	-	-	10133475-10001LF
USB 3.1 Type C Gen 2 receptacle	Right angle	Top mount dual SMT (Short body)	10137737-10001LF

INOUSB31GEN20816EA4

Disclaimer

Please note that the above information is subject to change without notice.