

# USB 3.1 Type-C Waterproof IP67 Connectors To Enhance The Connectivity For Your Device



IP67  
waterproof  
(unmated)



UL 94V-0,  
flammability  
rating



High data  
transmission  
rate



Space  
saving

ALTW USB 3.1 Type-C is a small and compact reversible plug that supports data transfer up to 10 gigabits per second (Gbps) as well as superior power charging at 5A max current. The connector is designed with waterproof capacity of IP67 (unmated). It comes with an assembly type O-ring to provide a secure connection and to ensure a smooth mating process while giving you a cost-effective solution. Our USB 3.1 Type-C is applicable for wide varieties of I/O applications and supports hundreds of protocols to enable your devices to work in various network connections.

## Applications:



Data Center



Portable Device



Industrial Automation



Agriculture & Data Acquisition



Automotive Diagnostic



Car Entertainment



Marine Electronic



Outdoor LED Display

And many more....

## Specification:

### General Specification

Number of Contacts	12P
Current Rating	A4,A9,B4,B9: Total 5A Max. A1,A12,B1,B12: Total 5A Max. A5,B5: Total 1.25A Max. Others: 0.25A
Voltage Rating	30V DC/AC
Lock Mechanism	Quick Lock
Flammability	UL 94V-0
Waterproof Rating	IP67 (unmated)
Operating Temperature	-40 °C ~ 85°C
Insertion Force	5N~20N
Withdrawal Force	8N~20N (Within 10,000 cycles)

### Technical Characteristics - Electrical

Contact Resistance	40 mΩ Max.
Dielectric Withstanding Voltage	100 Vac (for 1 minute)
Insulation Resistance	100 MΩ Min.

### Material Specification

Contact	Copper Alloy, Gold Plated
Housing	LCP , BK
Flammability	UL 94V-0

USB 3.1 is backwards compatible with USB 3.0 and USB 2.0

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Innovation in Waterproof Solution