

USB Type-C Waterproof Connectors

Amphenol LTW Waterproof Rugged USB Type C Connectors support a variety of protocols – such as USB 2.0, USB Gen 1 – and meet Surper Speed communication of 10Gb/s, with up to 5A and 5V ~ 30V power supply.

Mating and/or stand-alone waterproof, dustproof, high temperature and high vibration resistant, quick mating are your ideal solution to data/power transfer in harsh or demanding environments.

Available in low profile receptacle, receptacle with FPC, overmolded or overmolding on inter-locking conduit, or any customized requirement is possible and welcome.



Protection level
up to IP68



Quick lock
design



Compact
design



Faster and
robust

USB Type-C 2.0

Waterproof Connectors

General Specification

Operating Voltage	Up to 30VDC	Mating Cycles	10,000
Current Rating	3A	Material	Plastic, Shielded
Operating Temperature	-20°C ~ 80°C	Back Shell	Straight
Salt Spray	48h	Recommended Wire AWG	26 AWG, 30 AWG
Vibration	Frequency range 10 ~ 55Hz / Amplitude 1.52mm	IP Rating	IP68



Push Lock

Connector Gender	Male	Female	Cable Length (mm)
Part Number	UC20ML-NAML-KA001	UC20FL-NAML-KA001	1,000
	UC20ML-NAML-KA002	UC20FL-NAML-KA002	2,000
	UC20ML-NAML-KA003	UC20FL-NAML-KA003	3,000



Snap-In

Connector Gender	Male	Female	Cable Length (mm)
Part Number	UC20ML-NAML-QA001	UC20FL-NAML-QA001	1,000
	UC20ML-NAML-QA002	UC20FL-NAML-QA002	2,000
	UC20ML-NAML-QA003	UC20FL-NAML-QA003	3,000

USB Type-C Waterproof Connectors



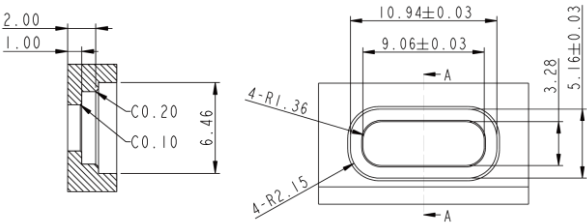
Snap-in

NEW

Part Number	UC-00PFFT-QF7001	Material	Plastic, Shielded	Salt Spray	48h
Connector Type	Receptacle	Mating Cycles	10,000	IP Rating	IP67
Operating Voltage	20V AC/DC	Gender	Female / Jack	Back Shell	Rectangular
Current Rating	5A	Assembly Style	SMT	TID Association	Yes
Operating Temperature	-25°C ~ 85°C	Vibration	Frequency range 10 ~ 55Hz / Amplitude 1.52mm	No. of Contacts	24 pins

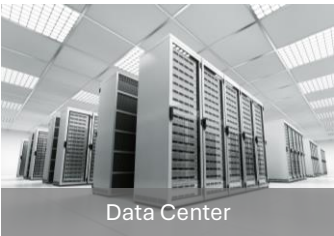
Panel Cut-out

(unit: mm)



- FEATURES
- ✓ Quick disconnect
 - ✓ Lightweight
 - ✓ Compact design
 - ✓ Affordable
 - ✓ Extremely robust
 - ✓ Secure and reliable signal/data transmission

Applications



Data Center



Transportation



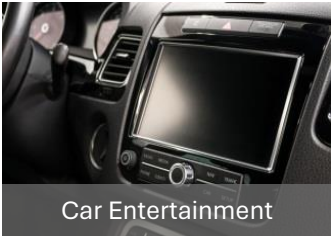
Industrial Automation



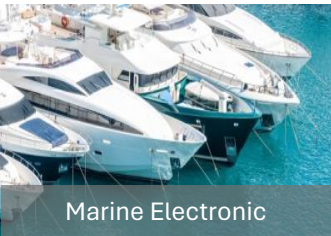
Heavy Equipment



Automotive Diagnostic



Car Entertainment



Marine Electronic



Test Equipment

USB Type-C

Waterproof Connectors

General Specification

Current Rating	3A	Operating Voltage	Up to 30VDC
Mating Cycles	10,000	Vibration	Frequency range 10 ~ 55Hz / Amplitude 1.52mm
Salt Spray	48h		



Snap-In

Connector / Contact Gender	Female / Jack				
Part Number	UC-00PFFH-QF7001	UC-00PFFH-QF7002	UC-00PFFH-QF8001	UC-00PFFH-QF8002	UC-00PFFP-QS8001
Connector Type	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Assembly Style	SMT	SMT	SMT	SMT	PCB 180°
Back Shell	Rectangular	Rectangular	Rectangular	Rectangular	Square
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
IP Rating	IP67	IP67	IP68	IP68	IP68
Material	Metal, Shielded	Metal, Shielded	Metal, Shielded	Metal, Shielded	Plastic, Shielded



Screw Thread

Connector / Contact Gender	Male / Jack	Male / Jack
Part Number	UC-00PMFY-SC7001	USC-00PMFY-SC7001
Connector Type	Receptacle	Receptacle
Assembly Style	FPC	FPC
Back Shell	Circular	Circular
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C
IP Rating	IP67	IP67
Material	Plastic, Shielded	Metal, Shielded
Receptacle Nut Thread	13/16" - 28 UNS	13/16" - 28 UNS
Recommended Wire AWG	N/A	N/A

USB Type-C Gen 1

Waterproof Connectors

General Specification

Current Rating	3A	Material	Plastic, Metal
Mating Cycles	10,000	Back Shell	Straight
Salt Spray	48h	Cable Length	1000 mm
Operating Temperature	-20°C ~ 80°C	Vibration	Frequency range 10 ~ 55Hz / Amplitude 1.52mm

Push Lock

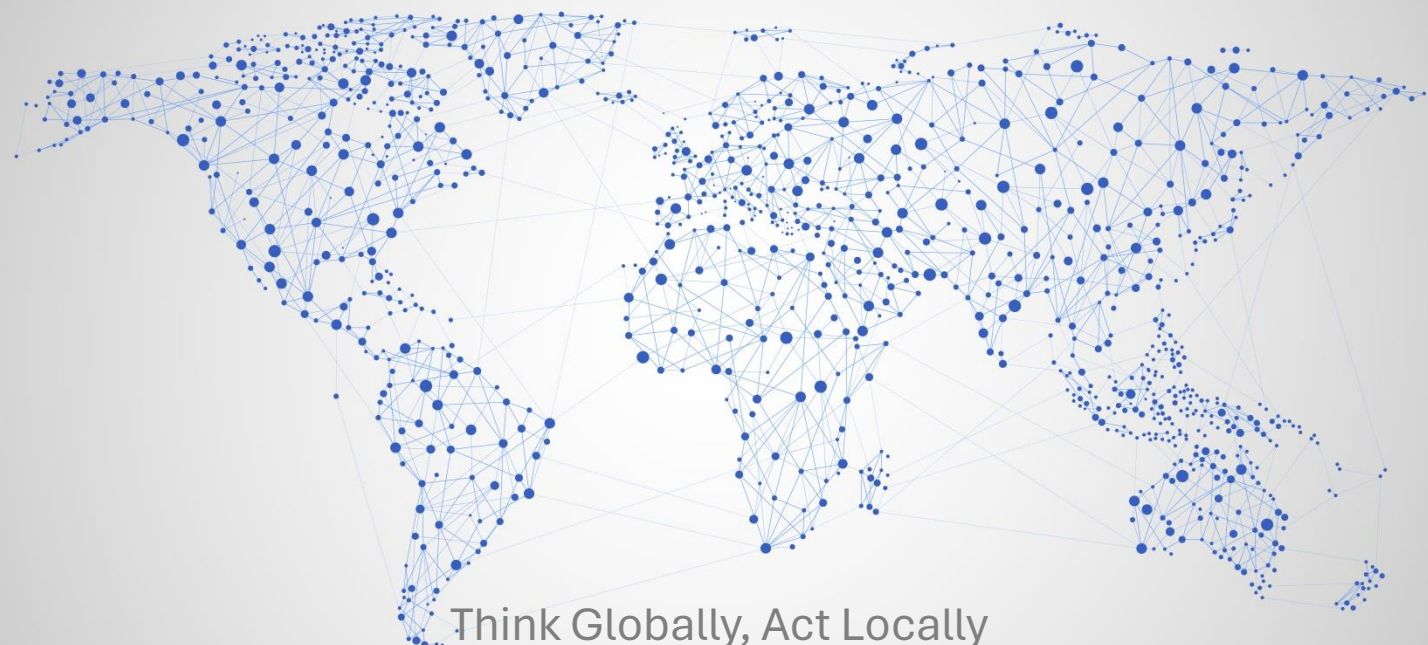
	Connector / Contact Gender	Male / Jack	Female / Plug
	Part Number	UC30ML-NAML-KB001	UC30FL-NAML-KB001
	Material	Plastic, Shielded	Plastic, Shielded
	Operating Voltage	Up to 30VDC	Up to 30VDC
	IP Rating	IP68	IP68
	Recommended Wire AWG	26 AWG, 30 AWG	26 AWG, 30 AWG

Snap-In

	Connector / Contact Gender	Male / Plug	Female / Jack
	Part Number	UC30ML-NAML-QB001	UC30FL-NAML-QB001
	Material	Plastic, Shielded	Plastic, Shielded
	Operating Voltage	5V AC/DC	Up to 30VDC
	IP Rating	IP68	IP68
	Recommended Wire AWG	26 AWG, 32 AWG	26 AWG, 30 AWG

Screw Thread

	Connector / Contact Gender	Female / Plug	Female / Plug
	Part Number	UC30FL-NCML-SC001	UC30FL-NCML-SC001
	Material	Metal, Shielded	Plastic, Non-shielded
	Operating Voltage	Up to 30VDC	Up to 30VDC
	IP Rating	IP67	IP67
	Recommended Wire AWG	24 AWG, 30 AWG, 32 AWG	24 AWG, 30 AWG, 32 AWG



Think Globally, Act Locally

Contact Us

Luc Kan | Sales & Marketing

Email: luc@ltw-tech.com

Customer Service

Email: sales@ltw-tech.com

Follow Us



Amphenol LTW

