

Products Focus

Ceres

Size	Spec.	Pin #	Current Rating	Operating Temperature
Mini (A Size)	2P~6P	2A~5A	Receptacle -40°C~105°C Receptacle W/ Wires -20°C~80°C Overmolded Cable -20°C~80°C Field Installable -40°C~105°C	
Standard (B Size)	2P~12P	2A~10A 5A+2A 10A+5A		
Middle (C Size)	2P~18P	2A~20A 5A+2A 10A+5A 10A+2A		
Large (D Size)	2P~22P	2A~20A 20A+2A 20A+5A		
Macro (E Size)	31P	5A		
Others	2P~7P	5A~10A 10A+5A		



RJ 45

Spec.	Transmission Speed	POE	Operating Temperature
Cat. 5e	Up To 1Gbps	60W/2A	Receptacle -20°C~80°C Overmolded Cable -20°C~80°C
Cat. 6A	Up To 10Gbps	N/A	Field Installable -40°C~105°C Coupler -40°C~105°C



HS-Lok

Type	Spec.	Pin #	Current Rating	Operating Temperature
Q8D	2P~6P	2A~6P	5A	-40°C~105°C
Q8U			2A	
Q8DU			5A+2A	



Amphenol LTW Technology Co., Ltd.

Cable Gland / LED Indicator / RF / Fiber Optics

Series	Spec.	Operating Temperature
Cable Gland		-40°C~105°C
RF		
Fiber Optics		
LED Indicator		-40°C~80°C

IP 67/68, RoHS, REACH

FICX / Cable Joiner

Type	Spec.	Pin #	Current Rating	Operating Temperature
PG11 / UL11	2P~5P		10A~20A	-40°C~105°C
PG12 / UL12			8A~20A	
PG13 / UL13			8A~20A	
PGT2 / ULT2			10A~20A	
M20	4P		10A~30A	
M32	4P		10A~30A	



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201901EN01



Amphenol LTW Technology Co., Ltd.

Amphenol LTW Product & Application Guide



<http://www.amphenolltw.com>

Products Focus

M Series

Size	Spec.	Pin #	Current Rating	Operating Temperature
M8 / G8	2P~6P	1.5A~3A	Receptacle -40°C~105°C Overmolded Cable PVC -20°C~80°C PUR -20°C~85°C Field Installable -40°C~105°C	
M10.5	2P~5P	2A		
M12 A Code	2P~12P	1.5A~4A		
M12 B Code	3P~5P	4A		
M12 D Code	3P~5P	4A		
M12 I Code	5P	4A		
M12 S & T Code	4P	12A		
M12 X Code	8P	0.5A		
M12 K & L Code	5P	12A(16A)		
M20	2P~14P	5A~20A		
M23	6P	28A		



X-Lok

Size	Spec.	Pin #	Current Rating	Operating Temperature
Mini (A Size)	2P~8P	2A~12A	Receptacle -40°C~105°C Overmolded Cable Date -20°C~80°C Power -20°C~105°C Hybrid -40°C~105°C	
Standard (B Size)	2P~8P	5A~10A 10A+5A		
Middle (C Size)	2P~12P	5A~20A 10A+5A		
Large (D Size)	2P~18P	5A~20A 20A+5A		



FLO

Series	Spec.	Pin #	Current Rating	Operating Temperature
B Series (IP 50)	2P~64P		1.5A~25A	Receptacle -40°C~125°C Overmolded Cable -20°C~80°C
K Series (IP 68)				Field Installable -40°C~125°C



Products Focus

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USB



Spec.	Transmission Speed	Current Rating	Operating Temperature
USB 2.0 (Type A / B)	Up To 480Mb/s	1.5A	Receptacle PA: -20°C~105°C M-PPE: -40°C~105°C ABS: -20°C~80°C
USB 3.0 (Type A)	Up To 5Gbps	1A	
Mini USB (Type B)	Up To 480Mb/s	1.5A	Receptacle W/ Wires PA: -20°C~105°C ABS: -20°C~80°C
Micro USB (Type AB)	Up To 480Mb/s	1A/1.8A	
USB 3.1 (Type C)	Up To 10Gbps	3A~5A	Overmolded Cable -20°C~80°C



Power



Type	Spec.	Pin #	Current Rating	Operating Temperature
PWE	5P~7P	8A	Receptacle -40°C~105°C	
PWF	2P~4P	12A		
PWG	4P	16A	Overmolded Cable -20°C~80°C	
PWC	3P	20A		
PWCU	4P~12P	20A+2A	Field Installable -40°C~105°C	
PWH	3P~5P	25A		
PWL	3P	30A		



DVI / HDMI / D-Sub



Series	Spec.	Pin #	Current Rating	Operating Temperature
DVI	19P~29P	1.5A	Receptacle -20°C~80°C	
HDMI	19P	0.5A		
D-Sub Standard	9P~50P	5A	Receptacle -40°C~105°C	
D-Sub High Density	15P~78P	2A		
			Overmolded Cable -20°C~80°C	
			Field Installable -40°C~105°C	



Products Application

Amphenol LTW successfully develops high-end waterproof connectors to meet strict requirements for various outdoor and industrial applications. Our products are compliant with many certificates including UL 1977, UL 2238, and NMEA 2000 for your best interconnection solutions.

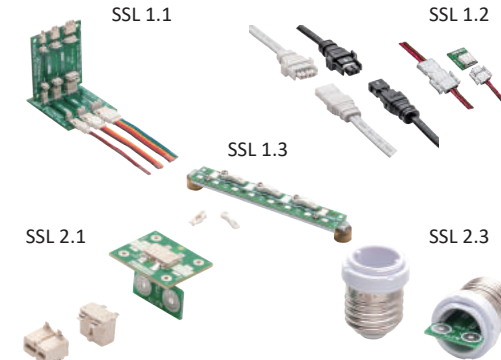
Application	Ceres	M Series	X-Lok	RBL	HS-Lok	FLO	RJ45	USB	Power	SSL	D-Sub	NMEA 2000	Fiber	Vent	DVI / HDMI	FICX / UL FICX	LED Indicator	RF	Cable Gland
Marine Electronics / Cruise / Shipyards	✓	✓	✓	✓	✓		✓	✓			✓	✓		✓	✓	✓		✓	✓
Industrial Automation / Factory Automation	✓	✓	✓		✓	✓	✓	✓			✓			✓	✓	✓			✓
LED Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓			✓
Outdoor Broadband Wireless Access	✓	✓	✓		✓		✓	✓	✓				✓	✓	✓	✓		✓	✓
Hybrid Electric Vehicle / Electric Vehicle	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			✓		✓			✓
Smart Grids / Advanced Metering Infrastructure	✓	✓	✓		✓		✓	✓	✓					✓		✓		✓	✓
Construction Machineries / Heavy Vehicle	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓
Testing and Measurement Equipment	✓	✓	✓		✓	✓	✓	✓			✓			✓		✓	✓	✓	✓
IP Closed-circuit Television & Security	✓	✓	✓		✓		✓	✓			✓			✓		✓	✓	✓	✓
Smart Phones / Mobile Devices / Wearables								✓											
Mass Rapid Transit	✓	✓	✓	✓	✓		✓	✓	✓		✓			✓	✓	✓		✓	✓
Medical Devices	✓	✓	✓		✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓
Renewable Energy	✓	✓	✓	✓			✓	✓	✓		✓			✓		✓			✓
Agriculture & Farm Automation	✓	✓	✓	✓	✓		✓	✓	✓		✓			✓	✓	✓	✓	✓	✓
Automotive Diagnostics	✓	✓	✓		✓			✓	✓		✓			✓					
Lift & Materials Handling	✓	✓	✓		✓			✓	✓		✓			✓	✓	✓			✓
Commercial and Consumer Drones	✓	✓	✓		✓				✓								✓	✓	
Robotics	✓	✓	✓		✓	✓	✓	✓			✓			✓	✓	✓			✓
Robot Pool Cleaner	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓			✓
Aerospace / Automotive / Military Devices	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓		✓		✓	✓
Safety Detection and Warning System	✓	✓	✓	✓	✓		✓	✓			✓			✓		✓		✓	
Autonomous	✓	✓	✓		✓	✓	✓	✓			✓			✓	✓	✓			✓
Spa Controller	✓	✓	✓	✓	✓			✓						✓		✓			✓
Metal Detectors	✓	✓	✓		✓		✓	✓	✓					✓		✓	✓		✓
Fuel Cell Technologies	✓	✓	✓		✓		✓	✓	✓		✓			✓		✓	✓		✓
UV Water Filtering	✓	✓	✓	✓	✓		✓	✓	✓		✓					✓	✓		✓
Smart Building	✓	✓	✓	✓	✓			✓	✓	✓	✓			✓	✓	✓		✓	✓

Amphenol LTW Technology Co., Ltd.

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SSL



Series	Spec.	Pin #	Current Rating	Operating Temperature
SSL 1.1	2P~6P	3A	-40°C~105°C	
SSL 1.2	2P~4P	5A		
SSL 1.3	1P	5A		
SSL 2.1	2P	12A		
SSL 2.3	2P	3A		



NMEA 2000



Series	Spec.	Pin #	Current Rating	Operating Temperature
Micro	5P	4A	Receptacle -40°C~85°C Overmolded Cable PVC -20°C~80°C PUR -20°C~85°C	
Mini	4P~5P	8A		Field Installable -40°C~105°C



RBL



Size	Spec.	Pin #	Current Rating	Operating Temperature
Middle (C Size)	2P~9P	5A~10A 10A+5A	Receptacle W/ Wires -40°C~105°C Overmolded Cable Data -20°C~80°C Power -20°C~105°C Hybrid -40°C~105°C	
Large (D Size)	2P~18P	5A~20A 20A+5A		Field Installable -40°C~105°C



Vent



Series	Spec.	Membrane	Material	Operating Temperature
M6x0.75			Thermoplastic	-40°C~125°C
M12x1.5		Hydrophobic Oleophobic	Metal Stainless Thermoplastic	
Snap-in			Thermoplastic	

