

Amphenol LED Market










<http://www.amphenolltw.com>

LED Focus

Product	Pin Number	Current Rating	Operating Temperature	IP Rating	Certification / Compliance
SSL1.1	 2, 4, 6P	SSL1.1 3A per pin	-40°C–105°C	N/A	RoHS / REACH CSA C222, UL 1977
SSL1.2	 2, 4P	SSL1.2 5A per pin	-40°C–105°C	(mated) IP68	RoHS / REACH UL 1977, CSA C22.2, cUL UL 2238 + UL 50e
SSL1.3	 1P	SSL1.3 5A	-40°C–105°C	NA	RoHS / REACH CSA, UL 1977
SSL2.1	 2P	SSL2.1 12A	-40°C–105°C	NA	RoHS / REACH CSA, UL 1977
SSL2.3	 2P	SSL2.3 3A	-40°C–105°C	NA	RoHS / REACH CSA, UL 1977
X-Lok	 Standard Size (B) 2–8P Middle Size (C) 2–12P Large Size (D) 2–18P	Standard Size Data (BD) 2–8P: 5A / (BB) 2–4P: 10A / Power (BD) 3P: 5A / (BB) 2–4P: 10A / Hybrid (BBD) 3–6P: 10A+5A Middle Size Data (CD) 7, 8, 9, 10, 12P: 5A / (CB) 4–8P: 10A / Power (CC) 2–3P: 20A / Hybrid (CBD) 4–8P: 10A+5A Large Size Data (DD) 12, 14, 18P: 5A / Power (DC) 2, 3, 8P: 20A / Hybrid (DCC) 4–12P: 20A+5A	Receptacle -40°C–105°C Overmolded with Cable Date Group: -20°C–80°C / Power Group: -20°C–105°C / Hybrid Group: -40°C–105°C Field Installable -40°C–105°C	Receptacle (mated) IP68 Overmolded with Cable / Field Installable (mated) IP68	RoHS / REACH CSA, UL 1977, UL 2238, UL 50e
RBL	 Middle Size (C) 2–9P Large Size (D) 2–18P	Middle Size (CD) 2–9P: 5A / (CB) 2–4P: 10A Large Size (DD) 10, 12, 14, 18P: 5A / (DC) 2–4P: 20A	Receptacle with Wire Harness -40°C – 105°C Overmolded with Cable -20°C – 80°C Field Installable -40°C – 105°C	Receptacle (mated) IP67 Overmolded with Cable/ Field Installable (mated) IP67	RoHS / REACH UL1977
FLO	 2–64P	1.5–36A	-55°C to – +125°C	P50 / IP68	RoHS / REACH

LED Focus

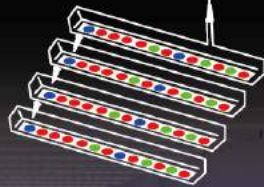
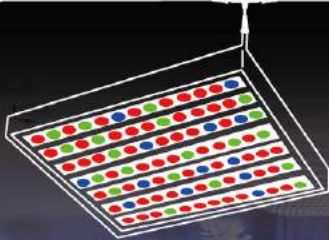
Product	Pin Number	Current Rating	Operating Temperature	IP Rating	Certification / Compliance
FICX / UL FICX (Cable Joiner)	 PG11, PGT2 2P, 3P & 4P PG12, PG13 2P, 3P, 4P & 5P UL11, ULT2 2P, 3P & 4P UL12, UL13 2P, 3P, 4P & 5P Cable Joiner 4 Conductors	PG11 20A for 2P, 3P & 4P PG12, PG13 & PGT2 20A for 2P & 3P, 15A for 4P UL11 20A for 2P, 3P & 4P UL12, 13, ULT2 20A for 2P & 3P / 15A for 4P / 8A for 5P	-40°C–105°C	Field Installable (mated) IP68	RoHS / REACH UL 2238 / TUV
IPCS	 N/A	VTC I Junction Trunk Range: UL 15A–30A / TUV 17–25A / 3–4P VTC I SMC: 5A / 3–4P BMC: UL17A / TUV 19A / 3–4P	-40°C–85°C / Upper Limit Temperature: 105°C	IP67	VTC I Junction: ETL: UL 9703, TUV: 2 plg 1915 VTC I SMC: ETL: UL 8703, TUV: 2 plg 1915 BMC: ETL: UL 8703, TUV: 2 plg 1915
HS-Lok	 2–6P	Q8D 2, 3, 4P, 5A Q8D 5, 6P: 2A Q8D U 2–3P, 5A+2A	Receptacle -40°C–105°C Overmolded with Cable -40°C–105°C	Receptacle / Overmolded with Cable (mated) IP68	RoHS / REACH UL 2238 (Outdoor Use, UL 50e)
Vent / New Vent	 N/A	N/A	-40°C–125°C	IP68 / IP69K	RoHS / REACH GB / T 2423.16 (Fungus)
POWER	 PWE 5–7P, 8A PWF 2–4P, 12A PWG 4P, 16A PWC 3P, 20A PWH 3, 5P, 25A PWCU 4, 12P, 20A+2A PWL 3P, 30A PWJ 3P, 30A	PWE 5–7P, 8A PWF 2–4P, 12A PWG 4P, 16A PWC 3P, 20A PWH 3, 5P, 25A PWCU 4, 12P, 20A+2A PWL 3P, 30A PWJ 3P, 30A	Receptacle -40°C–105°C -20°C–80°C Field Installable -40°C–105°C	Receptacle (unmated) IP67 (mated) IP68 Overmolded with cable (unmated & mated) IP67 Field Installable (unmated) IP67 (mated) IP68	RoHS / REACH UL 1977 / TUV
Circular	 Mini Size (A) 2–6P Standard Size (B) 2–12P Middle Size (C) 2–18P Large Size (D) 2–22P Macro Size 31P	Mini Size (AU) (ASU) 4–6P: 2A / (AD) 2–3P, 5A / (ASD) 2P, 5A Standard Size (BU) (BSU) 10, 12P: 2A / (BD) 2–8P: 5A / (BSD) 4–8P: 5A / (BBD) 2–4P, 10A / (BSB) 4P: 10A / (BDU) 8P: 5A+2A / (BBD) 6P: 10A+5A Middle Size (CU) 18P: 2A / (CD) 7, 8, 9, 10, 12, 14P: 5A / (CB) 4–6P: 10A / (CC) 2–3P: 20A / (CCU) 12, 14P: 5A+2A / (BC) 8P: 10A+5A / (CBU) 8P: 10A+2A Large Size (DU) 20–22P: 2A / (DD) (DSD) 18P: 5A / (DC) 2–7P: 20A / (DCU) 8P: 20A+2A / (DCC) 12P: 20A+5A Macro Size (ED) 31P: 5A Other Size (GBD) 8P: 10A+5A / (MAB) 4P: 10A / (PLD) 2–4P: 5A	Receptacle -40°C–105°C Receptacle with Cable -20°C–80°C Overmolded with Cable -20°C–80°C Field Installable -40°C–105°C	Receptacle (unmated) IP67 Overmolded with Cable (mated) IP68 / IP67 Field Installable (mated) IP67	RoHS / REACH / UL 1977
M Series	 G8 2–6P M8 3–4P M10.5 2–6P M12 A Code: 3–12P / B Code: 3–5P / D Code: 3–5P / I Code: 5P / S & T Code: 4P / X Code: 8P HDSC 2–14P M23 6P	G8 5–6P: 1.5A / 2–4P: 3A M8 3A M10.5 2A M12 A Code 10, 12P: 1.5A / 6, 8P: 2A M12 A, B, D Code 3, 4, 5P, 4A, I Code: 4A / S & T Code: 12A / X Code: 0.5A HDSC 10, 12, 14P: 5A / HDSC 4, 5, 7P: 10A / HDSC 2, 3P: 20A M23 28A	Panel -40°C–105°C FI -40°C–105°C Overmolded PVC: -20°C–80°C / PUR: -20°C–85°C	Receptacle (unmated) IP68 / IP69K Overmolded with Cable (mated) IP66 / IP68 Field Installable (unmated) IP68	RoHS / REACH M12 – IEC 61076-2-101 ; IEC 61076-2-103 (X code) M8 – IEC 61076-2-104 ; IEC 61076-2-111 (S & T code)

Architectural Lighting



Outdoor LED Display

Commercial Lighting



Horticulture Lighting

LED Applications

At Amphenol LTW (ALTW), we understand the unique interconnect needs of the LED market and its vast application. We know that outdoor environments are paramount to LED applications.

Through our Intelligent Pre-Cabling System (IPCS), we offer you solutions that seamlessly integrate different interfaces for scoreboards, industrial buildings, department and retail stores, pools, street lights, and many more.

With protection from IP65 to IP68 waterproof ratings and compliant as well as certified with many International regulations, and production cost. Whether you need signal or power connectors, hybrid connectors, complete cable assemblies, or high

Lighting Application	SSL	X-Lok	FLO	RBL	FICX
Architectural	✓	✓		✓	✓
Outdoor LED Displays	✓	✓	✓	✓	✓
Outdoor Signage	✓	✓		✓	✓
Entertainment	✓	✓		✓	✓
Street	✓	✓		✓	✓
Tunnel	✓	✓		✓	✓
Parking	✓	✓		✓	✓
Cruise & Shipyards	✓	✓		✓	✓
Train & Bus	✓	✓		✓	
Commercial	✓	✓		✓	✓
ATEX	✓				
Refrigeration	✓	✓		✓	
Horticulture / Grow	✓	✓		✓	
Warehouse	✓	✓		✓	✓
Underwater	✓	✓		✓	✓

M12 Pin Code

A-Code



B-Code



D-Code



I-Style



S-Code



T-Code

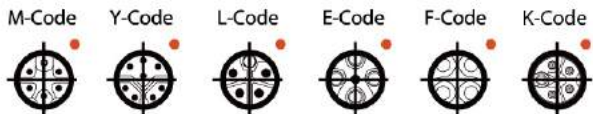


X-Code



...ow that long life, minimal maintenance, extreme energy efficiency and sensitivity to moisture in both indoor and harsh
 ...all your lighting creation from the world's tallest skyscrapers, museums & monuments, smart buildings, stadiums display
 ...we deliver you solutions with utmost safety, high product reliability, and improve efficiency for your overall assembly time
 ...ly customized value-added products, ALTW has the right solutions for all your LED applications.

	IPCS	HS-Lok	Vent	POWER	Circular	M series
	✓	✓	✓	✓	✓	✓
	✓		✓	✓	✓	✓
	✓		✓	✓	✓	
	✓	✓	✓	✓	✓	
			✓	✓	✓	
	✓		✓	✓	✓	✓
	✓	✓	✓	✓	✓	
	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	
	✓	✓	✓	✓	✓	✓
			✓	✓	✓	✓
	✓		✓	✓	✓	✓



● Coming Soon

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