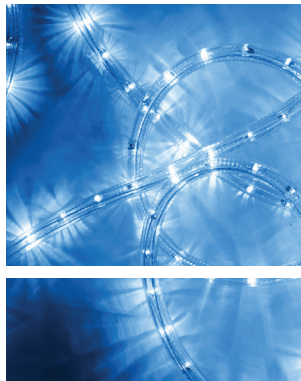
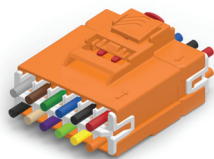




POWER CONNECTORS FOR LIGHTING APPLICATIONS



From outdoor luminaires to commercial refrigeration, new technology boosts innovation in lighting. By 2019, nearly 2 billion connected home devices—many with innovative lighting—are expected to ship globally. Partner with TE Connectivity (TE) to help bring your products to market fast with our broad range of power connector solutions.

POWER TRIPLE LOCK Connectors

Combining high performance with a functional design, these connectors with 6mm centerline spacing were specifically developed for better power connections up to 20A. The system offers three enhanced methods to help assure secure connections. Available in wire-to-wire and wire-to-board types. With the available high temperature (150°C) material, this connector system is ideal for lighting applications.

Economy Power Connectors

These wire-to-board connectors are widely utilized for power circuit applications up to 11A in lighting, household appliances and industrial machinery. Choose from 3.96, 5.08 or 7.92mm pitches. Optional terminal position assurance (TPA) devices help assure contacts are seated in housings. These connectors are offered in Glow Wire compatible material that also meet UL 94 V-0.

Power Key Connectors

Power key connectors are designed and built for manufacturing efficiency by optimizing contact seating and proper mating to the PCB headers. The 5.0mm pitch connectors offer a compact 20.7mm mated height, and are ergonomically friendly for assembly. Various colors and keys help prevent mis-mating, and are potting capable for PCB boards. GWT compliant models meeting UL 94 V-0 are offered.

Universal MATE-N-LOK Connectors

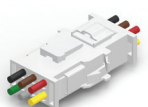
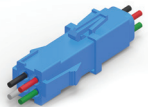
With pins and sockets intermixed in .250" [6.35mm] pitch housings, these connectors are rated to 19A. They offer wire-to-wire, wire-to-panel, and wire-to-board configurations. Polarization, positive locking, and rear cavity identification ease assembly. Options include circular, flanged, bulkhead, sealed, and colored housings in various materials (including Glow Wire compliant) for lighting and other applications.

Mini Universal MATE-N-LOK Connectors

Compact, durable connectors rated up to 10.5A provide panel mount, free hanging, and wire-to-board connections in a .163" [4.14mm] pitch package. They are polarized to provide proper plug-to-cap mating and have a latch to help prevent accidental un-mating. A sealed option offers moisture resistance where there is high humidity or intermittent liquid splashing, or for foam-in applications.

Micro Universal MATE-N-LOK Connectors

Micro MATE-N-LOK connectors, with a 3mm contact centerline and 5A rating, are the smallest solutions in the MATE-N-LOK connector family, offering wire-to-wire and wire-to-board types. Low profile versions are less than 4.7mm tall. IR reflow-compatible headers include vertical and right angle types for through-hole and surface mounting. Typical uses include lighting, appliances, industrial equipment, home equipment, and security systems.

	Centerline (mm)	Current Rating	Voltage Rating	Wire Size (AWG)	Position Size	Configurations	Operating Temp. Range °C	Flammability	Approvals	Features
POWER TRIPLE LOCK Connectors										
	6.00	20	600 VAC or VDC	12-20 2x18 2x20	2-15	Wire to Wire Wire to Panel Wire to Board MFBL	-55°C to +105°C HT 150°C	GWEPT 750 & UL 94 V0, High Temperature 150°C	UL, CSA	CPA, TPA color specific keyings & polarizations
Economy Power Connectors										
	3.96	8 (1p) -7.5	250 VAC	22-18	2-12	Wire to Wire Shrouded Headers Unshrouded Headers	-25°C to +105°C	GWEPT 750°C UL 94 V0	UL, CSA	TPA (EP II), inspection window for electrical check, lubricated contact external robust locking latch
	5.08	7.5	250 VAC							
	7.92		250 VAC							
	3.96 (EP II)	11	600 VAC	22-16					UL	
Power Key Connectors										
	5.00	10	300 VAC	24-16	2, 3, 4, 6	Wire to Board	-30°C to +105°C	UL 94 V0 & V2, GWEPT 750°C NF	UL, CSA	TPA, four colors and keyings, potting compatible, lanceless contacts
Universal MATE-N-LOK Connectors, Universal MATE-N-LOK II Connectors										
	6.35	19	600 VAC or VDC	30-10	1-15 2-15 (II)	Wire to Wire Wire to Board	-55°C to +105°C 125°C	UL 94 V0, V2 & GWEPT 750°C	UL, CSA, VDE	Sealed version
Mini Universal MATE-N-LOK Connectors, Mini Universal MATE-N-LOK II Connectors										
	4.14	9.5 (both) 10.5 (II)	600 VAC or VDC	30-16	1-4, 6, 9, 12, 15 (WTW) 2-24 (WTB)	Wire to Wire Wire to Board	-55°C to +105°C	UL 94 V0&V2	UL, CSA, (250V Max.) UL, CSA, VDE (II)	Sealed version
Micro Universal MATE-N-LOK Connectors										
	3.0	5	250 VAC	30-18	2-24	Wire to Wire Wire to Board Wire to Panel	-40°C to +105°C	UL 94 V0 & V2 GWEPT 750°C NF Version available for headers	UL, CSA, VDE	45% lower profile version available, surface-mount header configuration, dual beam contact design

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