

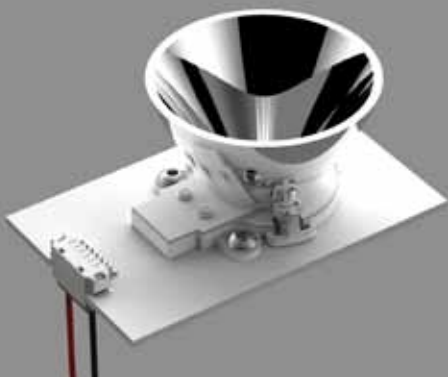
Introducing Solderless LED Socket, Type CM

TE Connectivity's Solderless LED Socket, Type CM provides solderless Class 2 **parallel** (6 conductor) and Class 1, high voltage **serial** (2 conductor) quick termination options to the 1500 lumen output Cree XLamp® MP-L™ LED. This solderless termination technique facilitates easy integration of the LED into the end customer's lighting fixtures with simple screw-down installation. Multiple versions are offered to provide application flexibility. To further enhance functionality to the fixture manufacturer, the socket also features integral, robust, snap attachment of LEDIL Tyra series reflector optics.

OBSOLETE
NOT the LATEST
REVISION



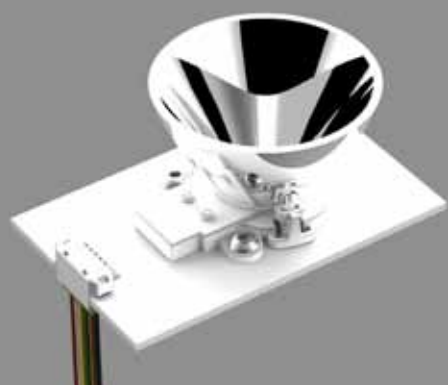
LED to Board Serial shown



KEY FEATURES

- Solderless termination to the Cree XLamp MP-L LED
- Fast, rapid termination and assembly – eliminates hand soldering wires to the MPL 0.70mm x 0.85mm pads
- Offered in separable board termination and wire termination versions
- Snap-on optics assembly using LEDIL's Tyra series reflector optics
- Custom parallel and serial AMP Mini CT cable assembly lengths are available upon request

LED to inverted wire parallel shown



APPLICATIONS

- Commercial and residential lighting fixtures
- Integrated custom lighting

ELECTRICAL

- Operating current: 500mA
- Operating voltage: 30VDC (parallel); 90VDC (serial)
- Dielectric withstanding voltage: 500 VDC

MECHANICAL

- Select silver plated contact interface to Cree XLamp MP-L LED
- Secure attachment to substrate using three standard #4 or M3 screws
- Wire version incorporates 6 position AMP Mini CT header
- Low profile- <3 mm height around the dome (w/o latches) and 5.20 mm high at the connector interface
- Select silver plated contact interface to Cree XLamp MP-L LED
- 6 line parallel terminations in both wire and board versions
- Parallel wire version accepts 6 conductor AMP Mini CT wire assembly
- 2 line serial terminations in both wire and board versions
- Serial wire version accepts 2 conductor AMP Mini CT wire assembly

MATERIALS

- Housings: 94 V0 rated high temperature resistant thermoplastic

Contacts:

- Base material copper alloy
- Silver plated interface to Cree XLamp MP-L LED
- Tin plated interface to AMP Mini CT or to PCB

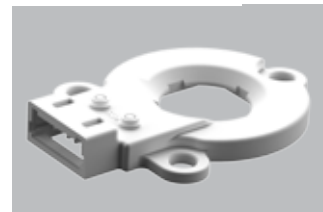
APPLICATIONS AND SPECIFICATION

- Product Specification 108-2439
- Application specification 114-13281
- UL 1977 File No. E28476
- CSA C22.2 No. 182.3

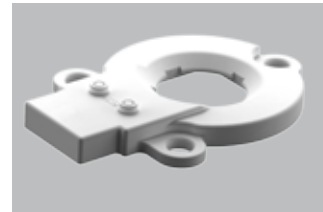
PRODUCT OFFERINGS

Parallel	Serial	Description
2106946-1	2106947-1	LED to Wire, w/o Optics Latch
2106946-2	2106947-2	LED to Wire, w/ Optics Latch
2106946-3	2106947-3	LED to Board, w/o Optics Latch
2106946-4	2106947-4	LED to Board, w/ Optics Latch
2106946-5	2106947-5	LED to Inverted Wire, w/o Optics Latch
2106946-6	2106947-6	LED to Inverted Wire, w/ Optics Latch
	2154000-1	AMP Mini CT, 2 Conductor Cable Assembly
2058943-5		AMP Mini CT, 6 Conductor Cable Assembly

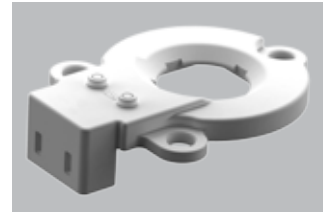
WITHOUT LATCHES



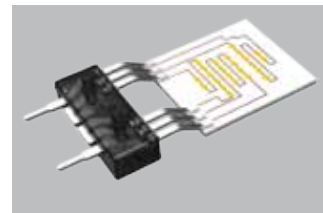
LED to Wire



LED to Board

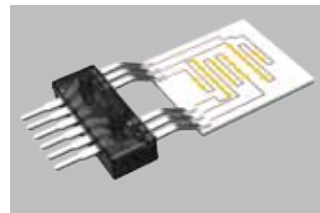


LED to Inverted Wire



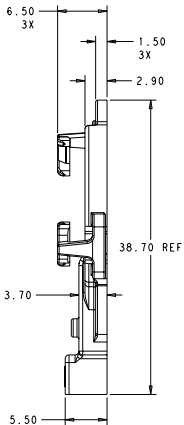
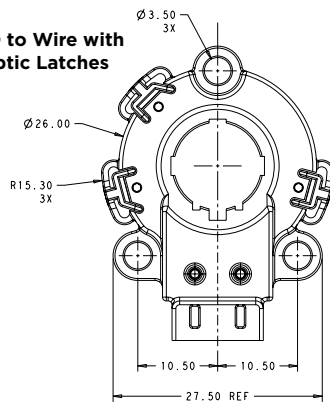
Class 1, serial schematic

WITH OPTIC LATCHES

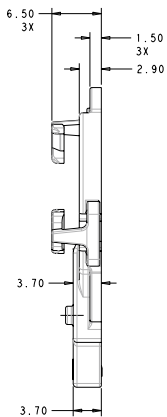
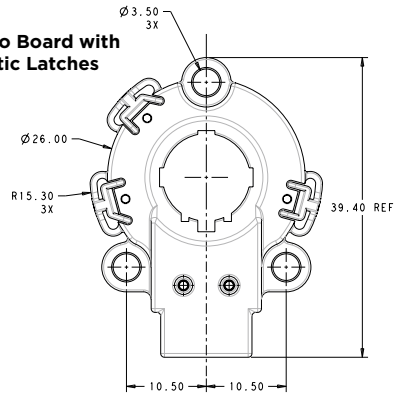


Class 2, parallel schematic

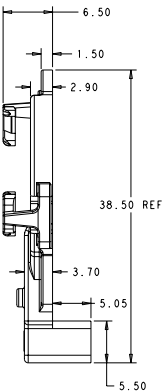
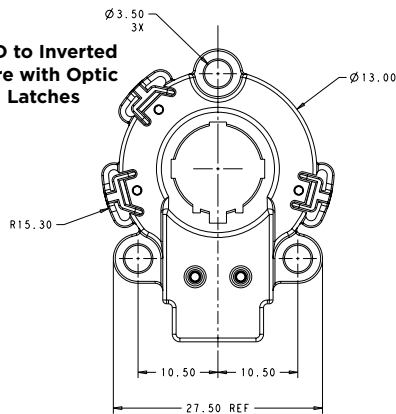
LED to Wire with Optic Latches



LED to Board with Optic Latches



LED to Inverted Wire with Optic Latches



FOR MORE INFORMATION

te.com/products/lighting

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*as defined www.te.com/leadfree

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