

KEY FEATURES

- The ITB card edge connector is surface mounted at the same time as other devices on the PCB eliminating secondary processes
- One piece mating solution for faster and easier assembly operation
- Low profile space saving design. The 1.5 mm height above the PCB minimizes LED light obstruction
- Offered in two versions to accept either 1.0 mm or 1.2 mm thick mating PCB's
- The connector surface mount hold downs provide stability during driver board mating and un-mating
- Designed with round corners to minimize shadowing
- Flat top surface allows for vacuum pick up
- Tape and reel packaging for high speed SMT processing

APPLICATIONS

- Edison style LED bulbs
- MR16 & PAR series LED replacement lamps
- Indoor and outdoor LED lighting devices
- Various non-lighting applications that require a cable-less, compact, right angle, inverted board to board interconnect

Introducing ITB Card Edge Connector

The ITB (Inverted Thru-Board) Card Edge Connector provides direct power connection between driver boards to the underside of LED array boards. This 2 position, SMT card edge connector provides a perpendicular mating, cable-less, space saving power connection that is ideal for compact LED assembly designs such as those found in today's retrofit lamps & bulbs. The low profile design has a 1.5 mm height above the LED mounted board and accepts either 1.0 mm or 1.2 mm thick driver boards.

MECHANICAL

- Operating temperature:
- Mating cycles:
- Mating force:
- 40° to +125°C 5 max. 20N max

ELECTRICAL

Current Rating:	3.0A MAX
Voltage Rating:	50V (IEC) / 250 VAC/DC (UL)
Dielectric Withstand Voltage:	1500 VAC

MATERIALS

• Housing:	High temperature resistant thermoplastic UL94VO flammability rating
Contact:	Copper alloy, tin over nickel plating

PRODUCT OFFERING

	 1-1971748-2: 	1 mm thick mating PCB
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• 1971748-2: 1.2 mm thick mating PCB

APPLICATIONS AND SPECIFICATIONS

- UL 1977
- IEC 60838-2-2
- Application specification #: 114-106066
- Product Specification #: 108-106075



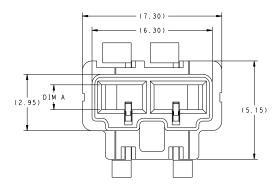
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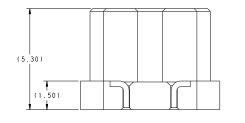
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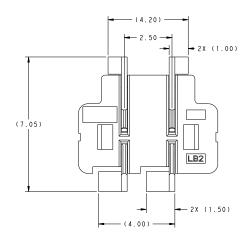
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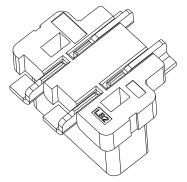
PRODUCT DIMENSIONS

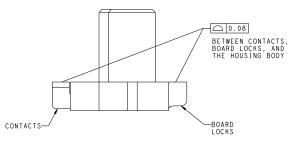


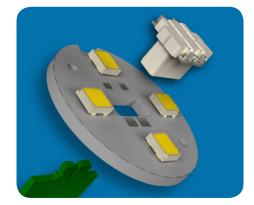




A Dimension	TE Part Number	PCB Thickness
1.0	1-1971748-2	1.0 mm
1.3	1971748-2	1.2 mm







Dimensions are shown for reference purposes only. Specifications subject to change. Customer drawing should be used for all design activity.



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