

## 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 an excellent for compact LED assembly designs such as those found in today's retrofit lamps & bulbs. The low profile design has a 1.5mm height above the LED mounted board and accepts either 1.0mm or 1.2mm thick driver boards.

### ELECTRICAL

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

### MECHANICAL

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

### MATERIALS

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

### APPLICATIONS AND SPECIFICATIONS

- UL 1977
- IEC 60838-2-2
- Application specification #: [114-32027](#)
- Product Specification #: [108-106075](#)

### KEY FEATURES

- The ITB card edge connector is surface mounted at the same time as other devices on the printed circuit board (PCB) significantly reducing secondary processes
- One piece mating solution for faster and easier assembly operation
- Low profile space saving design. The 1.5mm height above the PCB minimizes LED light obstruction
- Offered in two versions to accept either
- 1.0mm or 1.2mm 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

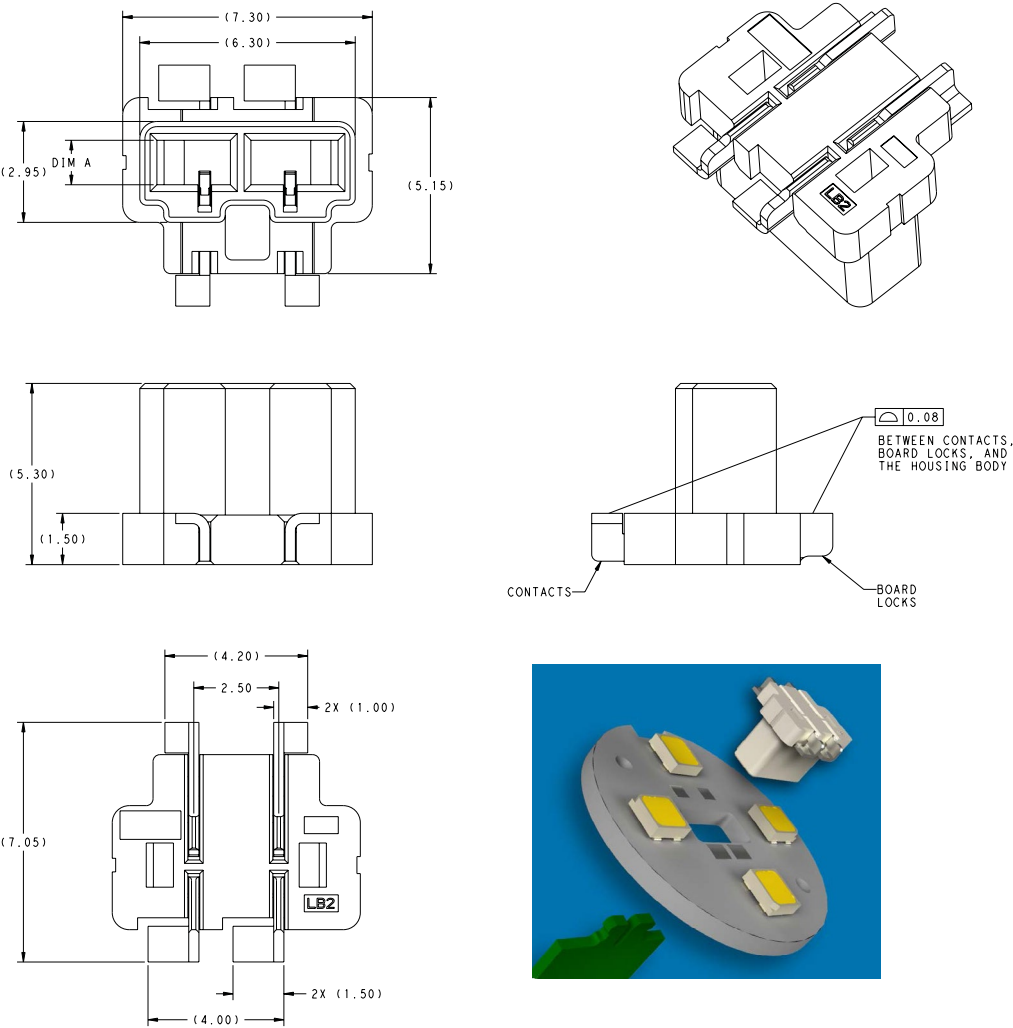
- Edison style LED bulbs
- MR16 & PAR series LED replacement lamps
- Indoor and outdoor LED lighting devices
- Various non-lighting applications that require a cable-less, compact, right angle, inverted board to board interconnect

### PRODUCT OFFERING

- [1-1971748-2](#): 1mm thick mating PCB
- [1971748-2](#): 1.2mm thick mating PCB

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## PRODUCT DIMENSIONS



A Dimension	TE Part Number	PCB Thickness
1.0	<a href="#">1-1971748-2</a>	1.0mm
1.3	<a href="#">1971748-2</a>	1.2mm

### Contact Our Product Team

We make it easy to connect with our experts and are ready to provide the support you need. Visit [te.com/support](https://te.com/support) to chat with a Product Information Specialist.

### te.com/inverted-thru-board-connector

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06-25