

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.

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

MECHANICAL

Operating temperature: - 40° to +125°C

Mating cycles: 5 max.Mating force: 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

UL94V0 flammability rating

Contact: Copper alloy, tin over nickel plating

PRODUCT OFFERING

1-1971748-2: 1 mm thick mating PCB1971748-2: 1.2 mm thick mating PCB

APPLICATIONS AND SPECIFICATIONS

• UL 1977

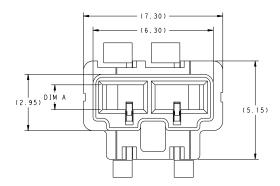
• IEC 60838-2-2

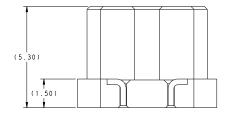
• Application specification #: 114-106066

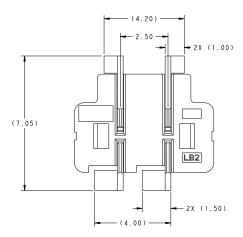
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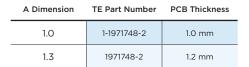


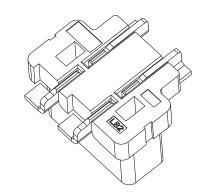
PRODUCT DIMENSIONS

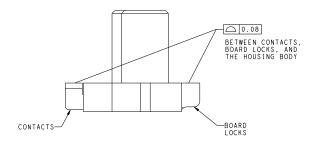














Dimensions are shown for reference purposes only. Specifications subject to change. Customer drawing should be used for all design activity.

