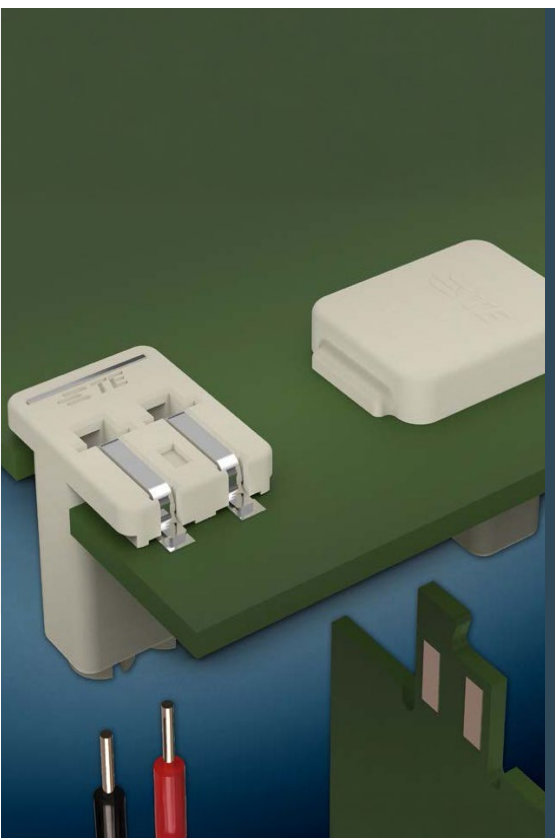




INVERTED THRU BOARD CARD EDGE AND INVERTED POKE-IN PLATFORM CONNECTORS

The Inverted Card Edge and Poke-In Platform Connectors provide 3.0mm creep and clearance from all other conductive components on FR4 and metal clad printed circuit boards (PCB). The 2 position connectors share the same PCB footprint while offering flexibility in providing either a direct power driver board one piece mating solution or a poke-in wire connection to the underside of the LED array boards.

ELECTRICAL

- Operating Voltage: 400 VAC / VDC
- Operating Current:
 - 3 A, Inverted Card Edge and 18-22 AWG Poke-In
 - 2 A, 24-26 AWG Poke-In
- Operating Temperature: -20 to 130°C
- 3mm creep and clearance from contacts to metal clad printed circuit board (MCPCB) substrate for non-isolated line voltage power supplies (dielectric withstand voltage)

MECHANICAL

Inverted Card Edge Termination:

- Offered in two versions to accept 1.0mm or 1.6mm driver boards
- Polarity keying retention feature options provide additional retention force
- Upto 5 mating cycles

Inverted Poke-In Termination:

- Offered in two versions for poke-in termination of 18 AWG stranded and 18-22 AWG solid and pre-bonded wire or 24-26 AWG solid wire
- Added 1mm depth dimension to accommodate the wire insulation guide barrels
- Single insertion mating

MATERIALS

- Housing and Cover: 94 V-0 rated high temperature resistant thermoplastic
- Contacts: Tin over nickel plated copper alloy

BENEFITS

- The inverted thru board ITB connectors are surface mounted at the same time as other devices on the PCB significantly reducing secondary processes
- Low profile, space-saving connector designed with and without a cover
- The 1.55mm without cover or 1.90mm with cover height above the PCB helps minimize LED light obstruction
- Surface mount hold downs provide stability during driver board mating, un-mating and poke-in mating
- Flat top surface helps to allow for vacuum pick up
- Tape and reel packaging for high speed SMT processing
- Designed with round corners to help minimize shadowing
- Both the Inverted Poke-in and Inverted Card Edge Connectors are available with an optional cap that provides for a touch safe design once soldered to the printed circuit board

APPLICATIONS

- Retrofit LED bulbs
- Track lighting
- Spot lights
- Down lights

STANDARDS AND SPECIFICATIONS

- UL 1977
- CSA Std. C22.2 No. 182.3
- Product Specification: [108-32041](#)
- Application Specification: [108-32054](#)

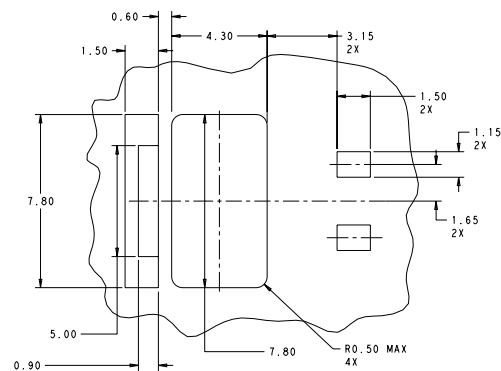
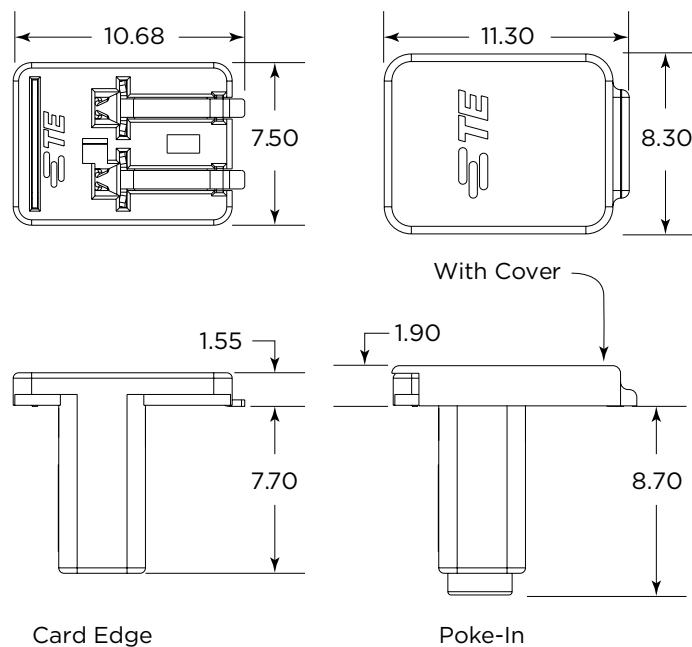
INVERTED THRU BOARD CARD EDGE & INVERTED POKE-IN PLATFORM CONNECTORS

PRODUCT OFFERING

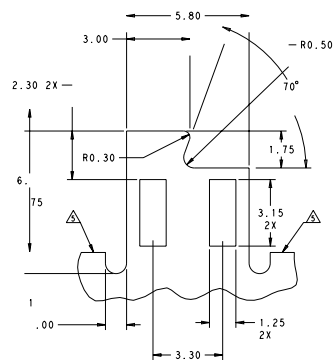
Part Number	Inverted Through Board Connector Style	Board Thickness	Wire Gauge
2213188-1	Card Edge	1.0mm	
2213188-2	Card Edge	1.6mm	
2213188-3	Card Edge with Pre-installed Cover	1.0mm	
2213188-4	Card Edge with Pre-installed Cover	1.6mm	
2213189-1	Poke-In		18-22 AWG
2213189-2	Poke-In		24-26 AWG
2213189-3	Poke-In with Pre-installed Cover		18-22 AWG
2213189-4	Poke-In with Pre-installed Cover		24-26 AWG



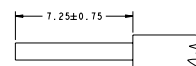
PRODUCT DIMENSIONS



Board Layout



Mating PCB detail



Wire preparation detail

View Products

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 to chat with a Product Information Specialist.

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