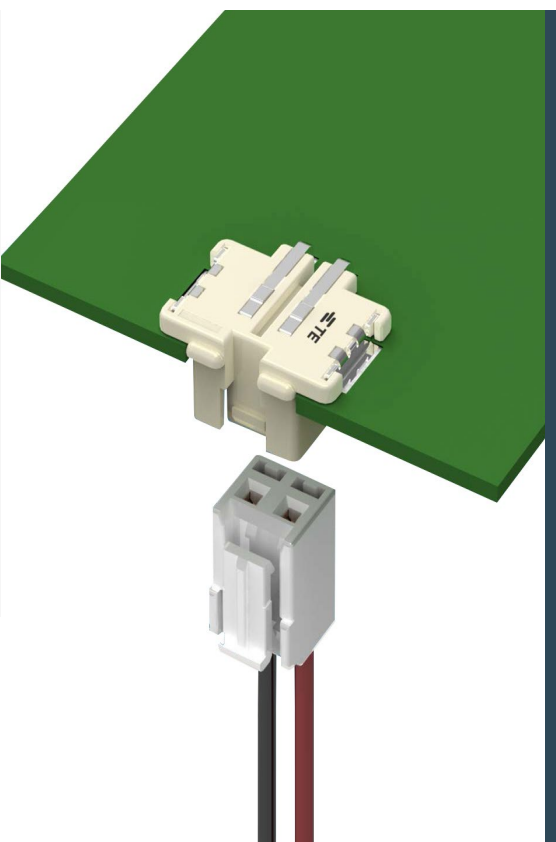




HIGH POWER INVERTED THRU BOARD SMT CONNECTOR

The High Power Inverted Thru Board Surface Mount Technology (SMT) connector, available in 2, 3 and 4 positions, provides a means to bring power to LED aluminum clad boards from the underside of the printed circuit board. The mating Economy Power II (EP) plug connectors, based on a .156" [3.96mm] pitch, are rated for 600VAC up to 7A and accepts 22 - 18 AWG [.034mm² to 0.75mm²] stranded wire sizes that are highly reliable for delivering power to printed circuit boards

ELECTRICAL

- Operating Current: 7A
- Operating Voltage: 600 VAC
- Dielectric Withstanding Voltage: 2200 VAC

MECHANICAL

- Operating Temperature: -30°C to +105°C Temperature
- Meets 2.0mm creep and clearance design
- EP II connectors accepts 22 - 18 AWG (0.34mm² - 0.75mm²) stranded wire

MATERIALS

- Housing: UL 94 V0 rated high temperature resistant thermoplastic
- Contacts: Tin over nickel plated copper alloy

APPLICATIONS AND SPECIFICATIONS

- cUR approved to UL1977
- High Power Inverted Thru Board SMT Connector
 - Application Specification: [114-32030](#)
 - Product Specification: [108-133000](#)
- EP II Contacts and Connector
 - Application Specification: 114-13265
 - Product Specification: [108-2297](#)

KEY FEATURES

- Helps eliminate wire dress management issues with discrete wire leads around the top surface of LED printed circuit boards
- EP II connectors provide positive latching
- Low profile top surface height of 2.00mm above the LED printed circuit board
- Rounded corners to help prevent shadowing
- Connector is positioned in cutout or notch in the printed circuit board
- Surface mount board locks help prevent stability during mating and unmating
- High temperature material for reflow soldering process
- Tape and reel packaging for high speed SMT processing
- Flat top surface helps to allow for vacuum pick up
- EP II cable assemblies available upon request
- RoHS compliant

APPLICATIONS

- Indoor and outdoor solid state lighting fixtures
- Solid state lighting modules and controls
- Industrial / commercial meters and controls

APPLICATION TOOLING

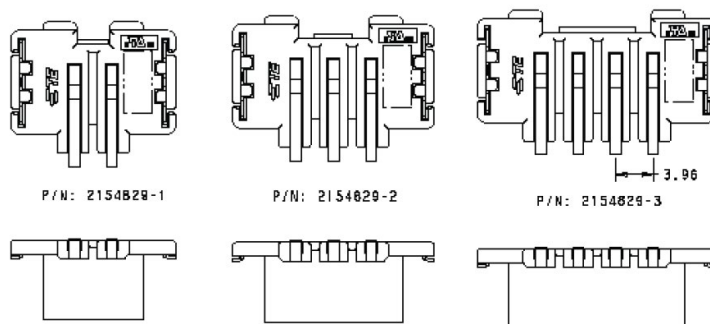
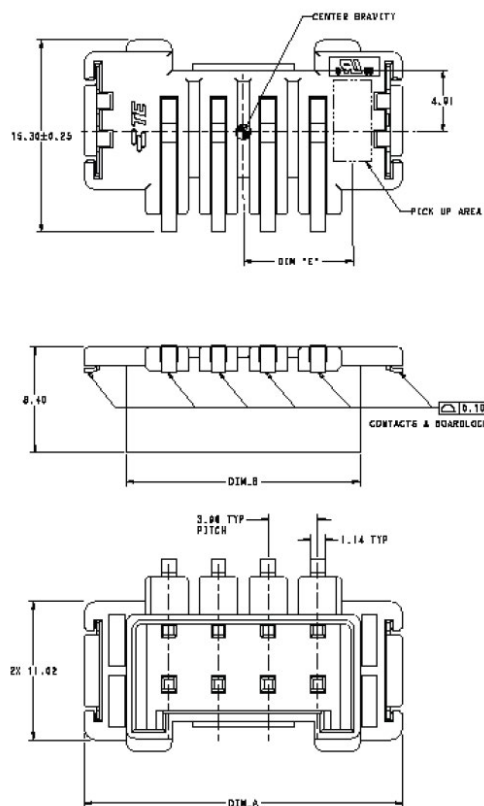
- EP II Contact Applicator: [2151113-1](#)

HIGH POWER INVERTED THRU BOARD SMT CONNECTOR

PRODUCT OFFERING

ITB Connector P/N	POSN	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	EP II Plug Cable Assy P/Ns
2154829-1	2	25.3	18.6	19	12.04	8.73	2154828-1
2154829-2	3	21.34	14.64	15	10.06	6.75	2154828-2
2154829-3	4	17.38	10.68	11	8.08	4.77	2154828-3

PRODUCT DIMENSIONS



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Visit te.com/support to chat with a Product Information Specialist.

te.com/inverted-thru-board-connectors

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