Introducing
Inverted SMT Thru Board Connector

Tyco Electronics

Our commitment. Your advantage.

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KEY FEATURES

- Available in 2 through 6 positions

- Eliminates wire dress management issues with discreet wire leads around the surface of the LED pc board

- Accepts 2 thru 6 Position TE Mini CT Connector

- Low profile design

- Rounded corners to minimize shadowing

- Connector is positioned through cutout or notch in pc board

- Surface mount hold downs provide stability during mating and unmating

- High temperature material for reflow processing

- Flat top surface allows for vacuum pick up

- Tape and reel packaging for high speed SMT processing

- Mini CT Cable Assemblies are available in customer specified lengths upon special request

- Selectively loaded Inverted SMT Thru Board Connectors available upon special request

DESCRIPTIONS

The Inverted SMT Thru Board Connector provides a means to bring power to LED aluminum clad and FR4 boards from the underside of the pc board.

APPLICATIONS

LED lighting controls

Indoor and outdoor lighting fixtures

General LED illumination fixtures

Various non-lighting applications that require wire dress connections below the pc board

ELECTRICAL

Operating Voltage: 50VAC / 50VDC

Operating Current:

#24 AWG – 3A

#26 AWG – 2.5A

#28 AWG – 1.5A

MATERIALS

Housing : 94 V0 rated high temperature resistant thermoplastic

Contacts : Tin over nickel plated copper alloy

STANDARDS AND SPECS

108-2376 : Inverted SMT Thru Board Product Specification

114-13245 : Inverted SMT Thru Board Application Specification

108-60025 : Mini CT Connector Product Specification

114-5245 : Mini CT Connector Application Specification

UL 1977 File No. E28476

MECHANICAL

Operating Temperature : -40°C to +105°C

PRODUCT OFFERING

Connector P/N	Position	"A" DIM	"B" DIM	"C" DIM	"D" DIM	Mini CT Cable Assy P/N 158.8 mm [6.25] long
2106091-1	2	5.5 [.216]	9.11 [.359]	6.00 [.236]	4.10 [.161]	2058943-1
2106091-2	3	7.00 [.275]	10.61 [.418]	7.50 [.295]	4.85 [.191]	2058943-2
2106091-3	4	8.50 [.335]	12.11 [.477]	9.00 [.354]	5.60 [.220]	2058943-3
2106091-4	5	10.00 [.394]	13.61 [.536]	10.50 [.413]	6.35 [.250]	2058943-4
2106091-5	6	11.50 [.453]	15.11 [.595]	12.00 [.472]	7.10 [.280]	2058943-5

Even Position PCB Layout
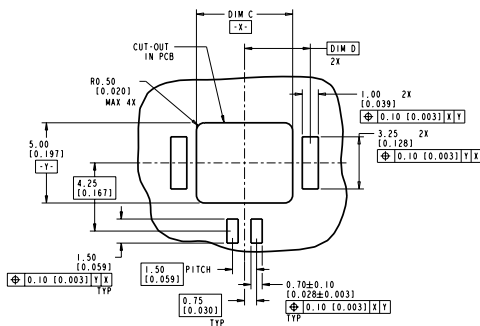
Odd Position PCB Layout
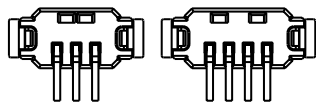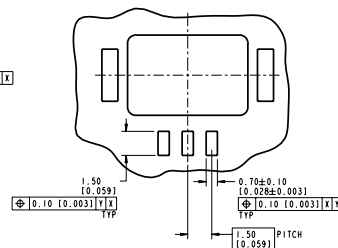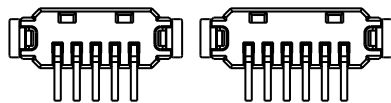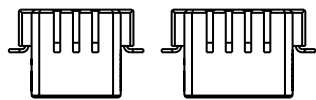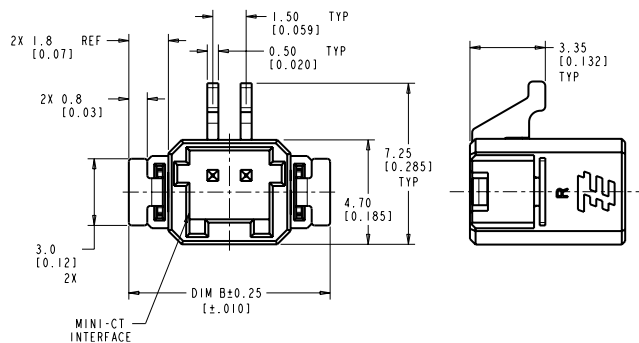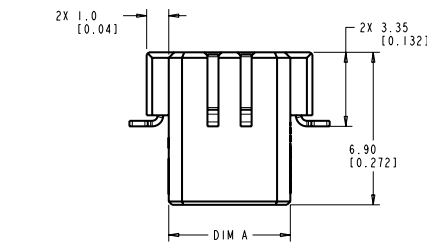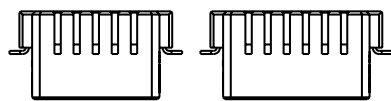
FOR MORE INFORMATION
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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.
*as defined www.tycoelectronics.com/leadfree

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