

2106431-2 Product Details



[Chat with a Product Information Specialist](#)



2106431-2

TE Internal Number: 2106431-2

Active

View 3D PDF

Solid State Lighting (SSL) IDC Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Wire-to-Board
- 4.00 mm Centerline
- Applies To Printed Circuit Board
- Contact Current Rating, Max = 8 A
- Operating Voltage = 250 VAC

[View all Features](#)

Quick Links

- [Check Pricing & Availability](#)
- [Search for Tooling](#)
- [Product Feature Selector](#)
- [Contact Us About This Product](#)

Add to My Part List Request Sample Find Similar Products Buy Product

Documentation & Additional Information

Product Drawings:

- [ASSEMBLY, IDC, SSL CONNECTOR, SMT, PASS THRU](#) (PDF, English)

Catalog Pages/Data Sheets:

- [IDC, SSL CONNECTOR](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- [IDC, SSL Connector](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version 9)
- [3D Model](#) (IGES, Version 9)
- [3D Model](#) (STEP, Version 9)

Related Products:

- [Tooling](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Connector Type = Connector Assembly
- Connector Design = Feed Through
- Strain Relief = With
- Sealed = No
- Termination Method to PC Board = Surface Mount
- PCB Mount Retention = With
- PCB Mount Alignment = Without
- SMT Compatible = Yes
- Mount Angle = Right Angle
- Wire/Cable Type = Discrete Wire
- Termination Method to Wire/Cable = IDC
- Keyed = No
- Make First / Break Last = No

Electrical Characteristics:

- Contact Current Rating, Max (A) = 8
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

Termination Related Features:

- Tail Orientation = Staggered
- Wire/Cable Size (AWG) = 18
- Tool-less Wire Termination = Yes

Body Related Features:

- Centerline (mm [in]) = 4.00 [0.157]
- Number of Positions = 2
- Number of Rows = 1
- Length (X-Axis) (mm [in]) = 9.70 [0.382]
- Width (Z-Axis) (mm [in]) = 7.75 [0.305]
- Profile Height (Y-Axis) (mm [in]) = 5.80 [0.228]
- Post-Mating Assembly Measurement (mm [in]) = 9.7 [0.382]
- Header Mating Direction = Horizontal
- PCB Mount Retention Type = Solder Pads
- Strain Relief Type = Terminating Covers

Contact Related Features:

- Tail Plating Material = Matte Tin-Lead over Nickel
- Tail Plating, Thickness (µm [µin]) = 5.08 [200]
- Contact Plating, Mating Area, Material = Matte Tin
- Contact Plating, Mating Area, Thickness (µm [µin]) = 5.08 [200]
- Stamped and Formed = Yes

Housing Related Features:

- Housing Material = Liquid Crystal Polymer (LCP)
- Housing Color = Natural
- UL Flammability Rating = UL 94V-0

Configuration Related Features:

- Pre-Designed Cables Available = No

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- Agency/Standard = CSA, UL
- Agency/Standard Number = C22.2 No. 182.3-M1987, UL 1977
- RoHS/ELV Compliance History = Always was RoHS compliant

Identification Marking:

- Circuit Identification Feature = Without

Conditions for Usage:

- Applies To = Printed Circuit Board
- Operating Temperature (°C [°F]) = -40 - +105 [-40 - +221]
- Accepts Wire Insulation Diameter, Range (mm [in]) = 2.20 [0.087]
- Lighting Interconnect Level = Level 1
- SMT Soldering Temperature (°C [°F]) = 220 [428]
- Glow Wire Rating = No
- UV Exposure Rated = No

Operation/Application:

- Application Use = Wire-to-Board

Packaging Related Features:

- Packaging Method = SMT Pocket Tape

Other:

- Brand = Tyco Electronics



Corporate Information

[Who We Are](#)
[Investors](#)
[News Room](#)
[Supplier Portal](#)
[Careers](#)

Quick Links

[Check Distributor Inventory](#)
[Cross Reference](#)
[Find Documents & Drawings](#)
[Product Compliance Support Center](#)
[Site Map](#)

Customer Support

[Email or Chat with Us](#)
[Find a Phone Number](#)
[Search Knowledge Base](#)
[Manage Your Account](#)

Sign up for our eNewsletter

Enter your email address

Follow Us On:



Visit Us On:

