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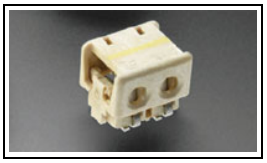
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2106003-2 Product Details

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2106003-2

TE Internal Number: 2106003-2

Active

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
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Documentation & Additional Information

Documents are temporarily unavailable. We are working hard to correct the problem. Please try again later.

Related Products:

- Tooling

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

Product Type Features:

- Connector Type = Connector Assembly
- Connector Design = Closed End
- 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 = Insulation Displacement Crimp (IDC)
- Keyed = No
- PCB Mount Retention Type = Solder Pads
- Make First / Break Last = No

Electrical Characteristics:

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

Termination Features:

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

Dimensions:

- 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]

Body Features:

- Header Mating Direction = Horizontal
- Strain Relief Type = Terminating Covers

Contact Features:

- Contact Plating, Termination Area, Material = Matte Tin-Lead over Nickel
- Contact Plating, Termination Area, 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 Features:

- Centerline (mm [in]) = 4.00 [0.157]
- Housing Material = Liquid Crystal Polymer (LCP)
- Housing Color = Natural
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Number of Positions = 2
- Number of Rows = 1
- Pre-Designed Cables Available = No

Industry Standards:

- Agency/Standard = CSA, UL
- Agency/Standard Number = C22.2 No. 182.3-M1987, UL 1977
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Reflow solder capable to 245°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Identification Marking:

- Circuit Identification Feature = Without

Environmental:

- Operating Temperature (°C [°F]) = -40 – +105 [-40 – +221]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Accepts Wire Insulation Diameter, Range (mm [in]) = 2.20 [0.0866]
- SMT Soldering Temperature (°C [°F]) = 220 [428]
- Lighting Interconnect Level = Level 1
- Glow Wire Rating = Standard Part, Not Glow Wire
- UV Exposure Rated = No

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = SMT Pocket Tape

Other:

- Brand = TE Connectivity

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