

## 2106056-8 Product Details

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**2106056-8**

TE Internal Number: 2106056-8

Active

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### SlimSeal Solid State Lighting (SSL) Connectors

[Always EU RoHS/ELV Compliant](#) (Statement of Compliance)

**Product Highlights:**

- Connector
- Wire-to-Board
- 3.50 mm Centerline
- Applies To Printed Circuit Board
- Contact Current Rating, Max = 5 A

[View all Features](#)

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#### Documentation & Additional Information

**Product Drawings:**

- [ASSEMBLY RIGHT ANGLE SMT HEADER SLIMSEAL SSL CONNECTOR](#) (PDF, English)

**Catalog Pages/Data Sheets:**

- [SLIMSEAL SSL CONNECOTS](#) (PDF, English)

**Product Specifications:**

- None Available

**Application Specifications:**

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

**Instruction Sheets:**

- None Available

**CAD Files:** ([CAD Format & Compression Information](#))

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

**Related Products:**

- [Tooling](#)

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

**Product Type Features:**

- Product Type = Connector
- Connector Type = Header
- Sealed = Yes
- Termination Method to PC Board = Surface Mount
- PCB Mount Retention = With
- PCB Mount Alignment = Without
- SMT Compatible = Yes
- Mount Angle = Right Angle
- Keyed = Yes
- Make First / Break Last = No

**Mechanical Attachment:**

- Mating Post Length (mm [in]) = 6.48 [0.255]
- Mating Retention Type = Latch

**Electrical Characteristics:**

- Contact Current Rating, Max (A) = 5
- Operating Voltage (VAC) = 250
- Operating Voltage (VDC) = 250

**Termination Related Features:**

- Tail Orientation = In-line

**Body Related Features:**

- Centerline (mm [in]) = 3.50 [0.137]
- Number of Positions = 3
- [Number of Rows](#) = 1
- Length (X-Axis) (mm [in]) = 34.61 [1.362]
- Width (Z-Axis) (mm [in]) = 20.54 [0.809]
- Post-Mating Assembly Measurement (mm [in]) = 11.58 [0.456]
- Mating Retention = With
- Header Mating Direction = Horizontal
- PCB Mount Retention Type = Solder Pads

**Contact Related Features:**

- Tail Plating Material = Matte Tin over Nickel
- Tail Plating, Thickness (µm [µin]) = 7.62 [300]
- Contact Type = Tab
- Contact Plating, Mating Area, Material = Tin
- Contact Plating, Mating Area, Thickness (µm [µin]) = 2.54 [100]
- Stamped and Formed = Yes

**Housing Related Features:**

- Connector Style = Receptacle
- Mating Alignment = With
- Housing Material = High Temperature Nylon
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

**Industry Standards:**

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- IP Dust Sealing Level = 6
- IP Water Sealing Level = 7
- RoHS/ELV Compliance History = Always was RoHS compliant

**Identification Marking:**

- Circuit Identification Feature = With

**Conditions for Usage:**

- Applies To = Printed Circuit Board
- Operating Temperature (°C [°F]) = -40 - +105 [-40 - +221]
- SMT Soldering Temperature (°C [°F]) = 225 [437]
- Lighting Interconnect Level = Level 1
- 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

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