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## 2-1586039-2 Product Details



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TE Internal Number: 2-1586039-2 Active

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## **VAL-U-LOK Series Connector System**

Always EU RoHS/ELV Compliant (Statement of

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Glow Wire Rating = Standard Part Not Glow Wire
- Header

View all Features

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### **Documentation & Additional Information**

### **Product Drawings:**

VERTICAL HEADER WITH PEGS, WITH DRAIN HOLES VAL-U-LO... (PDF, English)

Catalog Pages/Data Sheets:

• SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG (PDF, English)

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

### **Product Specifications:**

VAL-U-LOK Connectors (PDF, English)

## **Application Specifications:**

VAL-U-LOK Series Headers and Connectors (PDF, English)

### **Instruction Sheets:**

None Available

### CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version B)
- 3D Model (IGES, Version B)
- 3D Model (STEP, Version B)

## Related Products:

- Tooling
- Mating Products (2)

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## **Product Type Features:**

- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Alignment = With
- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)
- Sealed = No
- UL File Number = E28476
- CSA File Number = 208567

## **Mechanical Attachment:**

• Mating Retention Type = Latching

## **Electrical Characteristics:**

- Contact Current Rating, Max. (A) = 9
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 600

### **Termination Features:**

- Wire/Cable Size (AWG) = 16 26
- Wire/Cable Size (mm2) = 0.12 1.4
- Termination Method to PC Board = Through Hole Solder

### Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- Tail Length (mm [in]) = 3.5 [0.138]
- Length (X-Axis) (mm [in]) = 47.40 [1.8661]
- Width (Z-Axis) (mm [in]) = 9.80 [0.386]
- Profile Height (Y-Axis) (mm [in]) = 12.80 [0.504]

### **Body Features:**

- Header Type = Shrouded
- Mating Retention = With

## **Housing Features:**

- Connector Style = Plug
- Centerline (mm [in]) = 4.20 [0.165]
- Mating Alignment = With
- Mating Alignment Type = Keyed
- Housing Color = Natural
- UL Flammability Rating = UL 94V-2

### Configuration Features:

- Number of Positions = 22
- Number of Rows = 2
- Tail Orientation = In-line
- Shrouded = Yes

## 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
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = UL, CSA
- UL Rating = Recognized

## Identification Marking:

• Circuit Identification Feature = With

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

- Conditions for Usage:

   Applies To = Printed Circuit Board
  - Glow Wire Rating = Standard Part Not Glow Wire

- Operation/Application:
   Application Use = Wire-to-Board
  - Contact Transmits (Typical Application) = Signal (Data)

• Selectively Loaded = No

### **Contact Features:**

- Contact Type = Pin
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Tin
- Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54
- Contact Plating, Termination Area, Material = Tin
- Contact Plating, Termination Area, Thickness ( $\mu$ m [ $\mu$ in]) = 2.54 [100]
- Contact Design = Square Post

• Pick and Place Cover = Without

Packaging Features:
• Packaging Method = Tray

Other:
• Brand = AMP

