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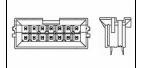
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## 1-1586586-8 Product Details



#### 1-1586586-8

TE Internal Number: 1-1586586-8





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



#### **Product Highlights:**

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

Request Sample

View all Features

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#### **Documentation & Additional Information**

Product Drawings:

• VERTICAL HEADER ASSEMBLY - BLINDMATE WITHOUT DRAIN H... (PDF, English)

#### Catalog Pages/Data Sheets:

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

#### **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 A1)

- 3D Model (IGES, Version A1)
- 3D Model (STEP, Version A1)

#### Related Products:

- Mating Products (2)

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

### **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  $(mm^2) = 0.12 1.4$
- 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]) = 44.40 [1.748]
- Width (Z-Axis) (mm [in]) = 15.00 [0.5905]
- Profile Height (Y-Axis) (mm [in]) = 14.10 [0.555]

#### **Body Features:**

- Header Type = Shrouded
- Mating Retention = With
- Selectively Loaded = No

#### Housing Features:

List all Documents

- 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 = 18
- 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

### Environmental:

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)
- Pick and Place Cover = Without

- Contact Features:
   Contact Type = Pin
   Contact Base Material = Brass

  - Contact Plating, Mating Area, Material = Tin
     Contact Plating, Mating Area, Thickness (μm [μin]) = 2.54 [100]

  - Contact Plating, Termination Area, Material = Tin
     Contact Plating, Termination Area, Thickness (µm [µin]) = 2.54 [100]
  - Contact Design = Square Post

Packaging Features:
• Packaging Method = Tray

Other:
• Brand = AMP

