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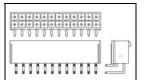
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## 2-1586041-4 Product Details



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TE Internal Number: 2-1586041-4





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



## Product Highlights:

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

View all Features

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# **Documentation & Additional Information**

## **Product Drawings:**

RIGHT ANGLE HEADER, WITHOUT PEGS VAL-U-LOK(TM) (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 B)
- 3D Model (IGES, Version B)
- 3D Model (STEP, Version B)

## Related Products:

- Tooling
- 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 = Right Angle
- PCB Mount Alignment = Without
- PCB Mount Retention = Without
- 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

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- Tail Length (mm [in]) = 3.5 [0.138]
- Length (X-Axis) (mm [in]) = 51.60 [2.031] • Width (Z-Axis) (mm [in]) = 13.00 [0.5118]
- Profile Height (Y-Axis) (mm [in]) = 9.80 [0.386]

## **Body Features:**

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

## **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 = 24
- 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 = CSA, UL
- 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)

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

• Pick and Place Cover = Without

Packaging Features:
• Packaging Method = Tray

Other:

• Brand = AMP

