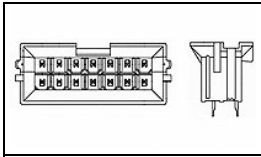


## 1586585-2 Product Details

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1586585-2

TE Internal Number: 1586585-2



Active

[View 3D PDF](#)

## VAL-U-LOK Series Connector System



Always EU RoHS/ELV Compliant (Statement of Compliance)

## Product Highlights:

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

[View all Features](#)

## Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(2\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)[Request Sample](#)[Find Similar Products](#)[Buy Product](#)

## Documentation &amp; Additional Information

## Product Drawings:

- [VERTICAL HEADER ASSEMBLY - BLINDMATE WITH DRAIN HOLE...](#) (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 &amp; Compression Information)

- [2D Drawing](#) (DXF, Version A1)
- [3D Model](#) (IGES, Version A1)
- [3D Model](#) (STEP, Version A1)

[List all Documents](#)

## Related Products:

- [Tooling](#)
- [Mating Products \(2\)](#)

## 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<sup>2</sup>) = 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]) = 10.80 [0.425]
- 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:

- 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 = 2
- 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

