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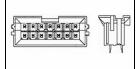
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2-1586586-0 Product Details



2-1586586-0

TE Internal Number: 2-1586586-0



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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 Add to My Part List

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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]) = 48.60 [1.913]
- 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 = 20
- 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

