

## **RECTANGULAR POWER CONNECTORS**

















**PRODUCT DRAWING** 



3D PDF



VAL-U-LOK | VAL-U-LOK

1-1586037-4

TE Internal Number: 1-1586037-4

Always EU RoHS/ELV Compliant

Product Type **Header** 

Housing Type Plug

Connector System Wire-to-Board

Applies To Printed Circuit Board

Contact Current Rating (A) 9

**Product Drawings** 

VERTICAL HEADER WITHOUT PEGS, WITH DRAIN HOLES VAL-U-LOK(TM)

PDF **English** 

**CAD Files** 

Customer View Model

3D IGS.ZIP

Customer View Model

3D\_STP.ZIP English

**Customer View Model** 

2D\_DXF.ZIP English

3D PDF

PDF English

Catalog Pages/Data Sheets

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

PDF **English** 

**Product Specifications** 

**Product Specification VAL-U-LOK Connectors** 

PDF **English** 

Application Specification VAL-U-LOK Series Headers, Connectors And TPA Accessories

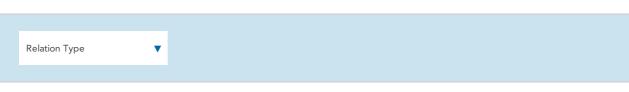
PDF **English** 

Please review product documents or contact us for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

**Product Type Features** Product Type Header

	Housing Type  Contact Type  Header Type	Plug Pin Shrouded
Configuration Features	Number of Positions  Centerline  PCB Mounting Orientation  Number of Signal Positions  Number of Rows  Row-to-Row Spacing  Contact Layout	14 4.2 mm [.165 in] Vertical 14 2 4.2 mm [.165 in] Inline, Matrix
Electrical Characteristics	Contact Current Rating (A)  Operating Voltage (VAC)	9 600
Contact Features	Contact Retention  Contact Termination Area Plating Material	With Brass Alloy, Tin
Termination Features	Wire/Cable Size (AWG) Wire/Cable Size (mm²) Termination Method to PC Board Termination Post/Tail Length	26 – 18 .12 – 1.4 Through Hole - Solder 3.5 mm [ .138 in ]
Mechanical Attachment	Mating Alignment  Mating Retention  PCB Mount Retention  Mating Alignment Type  PCB Mount Alignment  Mating Retention Type	With Without Keyed Without Latch
Housing Features	UL Flammability Rating Housing Color Housing Material	UL 94V-2 Natural Nylon
Dimensions	Accepts Wire Insulation Diameter Range Width Height	1.2 – 3.1 mm [ .047 – .122 in ] 9.75 mm [ .384 in ] 12.8 mm [ .504 in ]

PCB Thickness (Recommended) 1.6 mm [ .063 in ] 30.6 mm [ 1.204 in ] Length 2.39 Insulation Diameter (Max) (mm) Sealed Condition Not Sealed Usage Conditions Operation/Application Connector System Wire-to-Board **Printed Circuit Board** Applies To Operating Temperature -40 – 105 °C [ -40 – 221 °F ] Circuit Application Signal With Identification Marking Circuit Identification Feature Standard Part - Not Glow Wire Industry Standards Glow Wire Rating **VDE** Tested No Agency/Standard Number E28476 **UL** Rating Recognized CSA File Number 208567 Agency/Standard CSA, UL Packaging Features Packaging Method Bag, Tray/Box Packaging Quantity 195 Other Selectively Loaded No **Product Compliance** Statement of Compliance VIEW ALL PRODUCT COMPLIANCE **Products** - 2 Results





Always EU RoHS/ELV Compliant



RELATIONSHIP

## **Mating Products**

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors VAL-U-LOK | VAL-U-LOK

14P RCPT VAL-U-LOK V2 - 1-794954-4

TE INTERNAL NUMBER: 1-794954-4

✓ Active

## Always EU RoHS/ELV Compliant

Product Type **Housing** 

Housing Type **Receptacle** 

Connector System Wire-to-

Board, Wire-to-Wire

Applies To Wire/Cable

Number of Positions 14

