# 1-2029059-6 V ACTIVE

#### VAL-U-LOK

TE Internal #: 1-2029059-6

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 4.2 mm [. 165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder,

Power, Natural

View on TE.com >

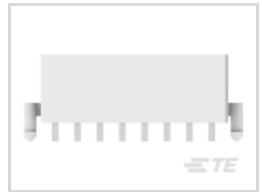


### Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Wire-to-Board

Number of Positions: 16

Number of Rows: 2

## **Features**

## **Product Type Features**

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly
Configuration Features	
Number of Loaded Positions	16
Number of Power Positions	16
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	2



Operating Voltage	600 VAC
Body Features	
Primary Product Color	Natural
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 μm[30 μin]
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
PCB Contact Termination Area Plating Material Thickness	2.03 µm[80 µin]
Contact Layout	Matrix
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	9 A
Termination Features	
Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Keyed
PCB Mount Retention Type	Boardlock
PCB Mount Alignment Type	Pegs
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	Nylon 66 GF20
Centerline (Pitch)	4.2 mm[.165 in]
Dimensions	
Row-to-Row Spacing	4.2 mm[.165 in]



Connector Width	9.75 mm[.384 in]
PCB Thickness (Recommended)	1.78 mm[.07 in]
Connector Height	12.8 mm[.504 in]
Connector Length	34.8 mm[1.37 in]
Usage Conditions	
Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Operation/Application	
Shielded	No
Silleided	INO
Circuit Application	Power
Circuit Application	
Circuit Application  Industry Standards	Power
Circuit Application  Industry Standards  Compatible With Agency/Standards Products	Power  CSA, UL
Circuit Application  Industry Standards  Compatible With Agency/Standards Products  UL Rating	Power  CSA, UL  Recognized
Circuit Application  Industry Standards  Compatible With Agency/Standards Products  UL Rating  Compatible With Approved Standards Products	Power  CSA, UL  Recognized  UL E28476

## **Packaging Features**

Packaging Quantity	150
Packaging Method	Tray

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2018 (181) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C



#### Product Compliance Disclaimer

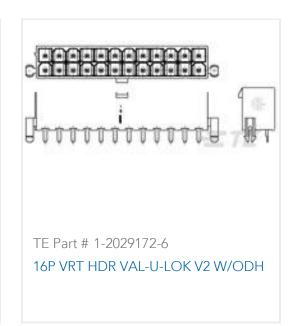
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts













# Customers Also Bought





















### **Documents**

## **Product Drawings**

16P VAL-U-LOK VRTHDR W/PGS GW

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-2029059-6\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-2029059-6\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-2029059-6\_C.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

VAL-U-LOK\_GLOW\_WIRE\_CONNECTORS

English

## **Product Specifications**

**Application Specification** 

English

### **Agency Approvals**

**UL Report** 

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, Natural



English

**UL Report** 

English