# 1-1586018-6 ACTIVE

#### VAL-U-LOK

TE Internal #: 1-1586018-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 16 Position, 4.2 mm [.165 in] Centerline, Wire &

Cable, UL 94V-0

View on TE.com >

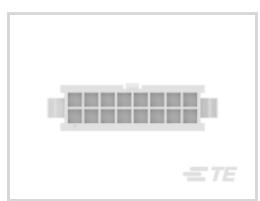


Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Housing

Connector & Housing Type: Plug

Connector System: Wire-to-Panel, Wire-to-Wire

Number of Positions: 16

Centerline (Pitch): 4.2 mm [ .165 in ]

# **Features**

#### **Product Type Features**

Product Type Features	
Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	16
Number of Rows	2
Electrical Characteristics	
Operating Voltage	600 VAC
Contact Features	
Contact Layout	Matrix
Multiple Contact Types	With

Without

Contact Retention Within Housing



Contact Type	Pin
Termination Features	
Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Mechanical Attachment	
Connector Mounting Type	Panel Mount
Housing Features	
Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	White
Housing Material	Nylon
Dimensions	
Row-to-Row Spacing	4.2 mm[.165 in]
Width	23.9 mm[.94 in]
Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Height	9.6 mm[.378 in]
Length	34.8 mm[1.37 in]
Usage Conditions	
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Insertion Force	15 Newton
Operation/Application	
Assembly Integration Feature	Without
Circuit Application	Power & Signal
Identification Marking	
Circuit Identification Feature	With
Industry Standards	
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	208567



VDE Tested	No
Packaging Features	
Packaging Method	Bag
Packaging Quantity	500

## **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: JUNE 2022 (224) Candidate List Declared Against: JUN 2020 (209) 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	Not applicable for solder process capability

#### 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**







#### **Documents**

#### **Product Drawings**

16P PM PLUG VAL-U-LOK VO

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_1-1586018-6\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_1-1586018-6\_A.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_1-1586018-6\_A.2d\_dxf.zip

English

3D PDF

English

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

### Datasheets & Catalog Pages

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

English

#### **Product Specifications**

**Application Specification** 

English

# Agency Approvals

**UL Report** 

English