



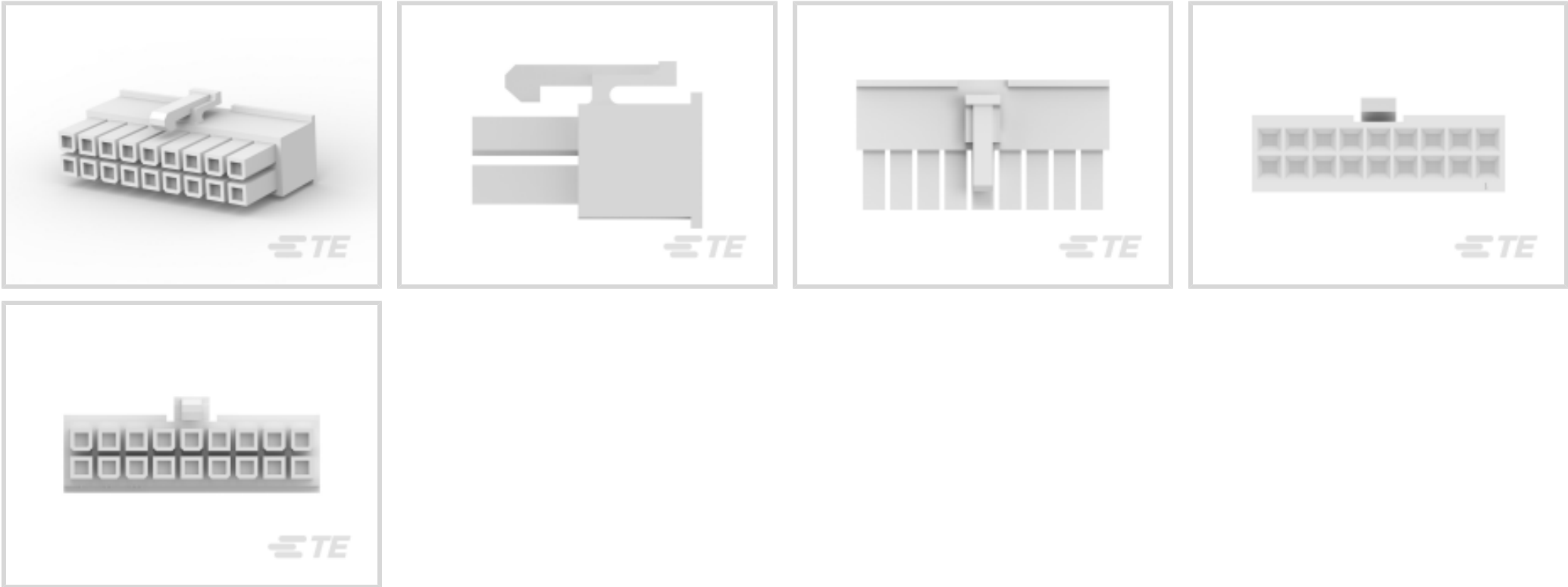
VAL-U-LOK

TE Internal #: 1-794954-8

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 18 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board, Wire-to-Wire**

Number of Positions: **18**

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

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	18
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Contact Layout	Matrix
----------------	--------



Contact Retention Within Housing	Without
Contact Type	Receptacle
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon
Dimensions	
Connector Height	10.8 mm[.425 in]
Product Width	20 mm[.787 in]
Product Length	39 mm[1.535 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Row-to-Row Spacing	4.2 mm[.165 in]
Usage Conditions	
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Identification Marking	
Circuit Identification Feature	With
Industry Standards	
CSA Rating	208567
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Quantity	500



Packaging Method

Bag

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

 TE Part # 1-1586037-8 18P VERT HDR VAL-U-LOK V2	 TE Part # 1-1586041-8 18P VAL-U-LOK R/A HDR V2	 TE Part # 1-794953-8 18P PM PLUG VAL-U-LOK V2	 TE Part # 1-1586000-8 18P FH PLUG VAL-U-LOK V2
--	---	--	---



TE Part # 1-1586043-8  
18P VAL-U-LOK R/A HDR SCRMT V2

TE Part # 1-1586039-8  
18P VAL-U-LOK VRT HDR W/P V2

TE Part # 2029097-2  
2P RCPT VAL-U-LOK V2 BLUE

Customers Also Bought

TE Part #1-174938-1  
MULTILOCK, CONNECTOR HOUSING

TE Part #2-794954-0  
20P RCPT VAL-U-LOK V2

TE Part #1-794954-0  
10P RCPT VAL-U-LOK V2

TE Part #794954-8  
8P RCPT VAL-U-LOK V2

TE Part #1-794954-4  
14P RCPT VAL-U-LOK V2

TE Part #1-174936-1  
070 MLC W-W CAP HSG 20P F/A

TE Part #170096-2  
250 FASTON,REC.,22-18 AWG,TPPB

TE Part #2280239-1  
MNTG, VANE SWITCH, 3K,5K

Documents

Product Drawings  
18P RCPT VAL-U-LOK V2

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-794954-8\_E.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-794954-8\_E.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_1-794954-8\_E.3d\_stp.zip  
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

VDE Certificate

English