



VAL-U-LOK

TE Internal #: 2-1586018-0
Rectangular Power Connectors, Housing, Plug, Wire-to-Panel /
Wire-to-Wire, 20 Position, 4.2 mm [.165 in] Centerline, Wire &
Cable, UL 94V-0

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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: **20**
Centerline (Pitch): **4.2 mm [.165 in]**

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

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
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Contact Retention Within Housing	Without
Contact Type	Pin
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Connector Mounting Type	Panel Mount
Housing Features	
Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	White
Housing Material	Nylon
Dimensions	
Connector Height	9.6 mm[.378 in]
Product Width	23.9 mm[.94 in]
Product Length	43.2 mm[1.7 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-0
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 2-1586019-0
20P RCPT VAL-U-LOK V0



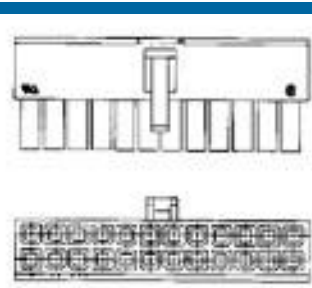
TE Part # 2-1969614-0
20P RCPT VAL-U-LOK V0

Customers Also Bought

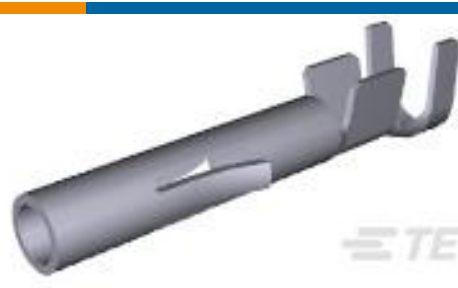




TE Part # 1-1718346-1
3POS MQS REC COD A



TE Part # 2-1586019-4
24P RCPT VAL-U-LOK V0



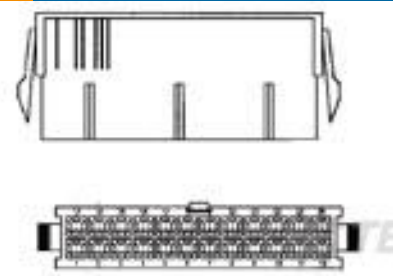
TE Part # 350536-1
UMNL SOK 20-14 .0126 PTPBR



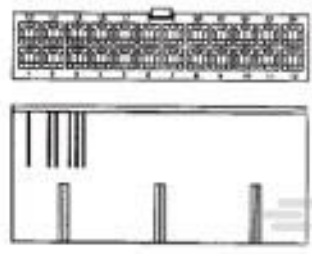
TE Part # 2-2176339-8
CRGCQ 0603 1K8 1%



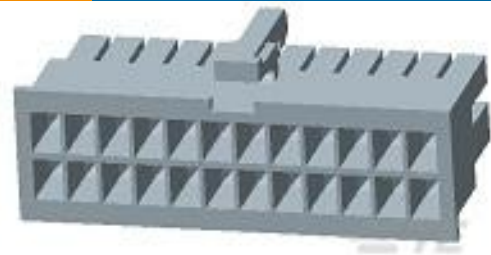
TE Part # 1-2176341-2
CRGCQ 0805 82R 1%



TE Part # 1-1586018-6
16P PM PLUG VAL-U-LOK V0



TE Part # 2-1586017-4
24P FH PLUG VAL-U-LOK V0



TE Part # 2-1969597-0
20P RCPT VAL-U-LOK V2



TE Part # 60-0254-011-000
CONTACT SOCKET 2 MM

Documents

Product Drawings
20P PM PLUG VAL-U-LOK V0

English

CAD Files
Customer View Model
ENG_CVM_2-1586018-0_A.3d_igs.zip

English

Customer View Model
ENG_CVM_2-1586018-0_A.3d_stp.zip

English

Customer View Model
ENG_CVM_2-1586018-0_A.2d_dxf.zip

English

3D PDF

English

Datasheets & Catalog Pages



SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English