



VAL-U-LOK

TE Internal #: 1-1586017-2

Housing, Plug, Crimp, Wire-to-Wire, UL 94V-0, 12 Position, 4.2 mm [.165 in] Centerline, 2 Row, 600 VAC, Rectangular Wire & Cable Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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Contact Features

Multiple Contact Types	With
Contact Layout	Matrix
Contact Type	Pin
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Nylon
Centerline (Pitch)	4.2 mm [.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 in]
Connector Width	23.8 mm [.937 in]
Connector Height	9.6 mm [.378 in]
Connector Length	26.4 mm [1.039 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	208567
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0



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 2025 (247) 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

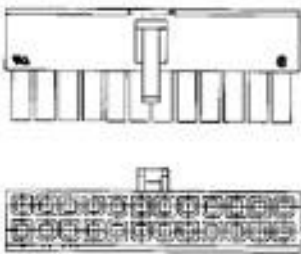
TE Part # 1-1586019-2
12P RCPT VAL-U-LOK V0

TE Part # 1-1969614-2
12P RCPT VAL-U-LOK V0

TE Part # 1-2029171-2
12P VRT HDR VAL-U-LOK V0 W/ODH

Customers Also Bought

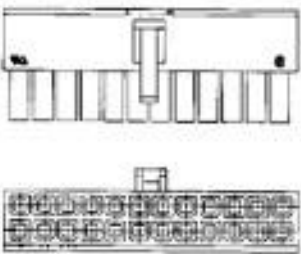




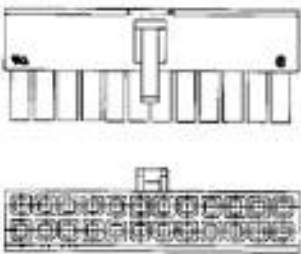
TE Part #1586019-6
6P RCPT VAL-U-LOK V0



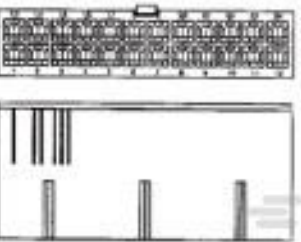
TE Part #691091-000
CWT-9004



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



TE Part #1-1586019-2
12P RCPT VAL-U-LOK V0



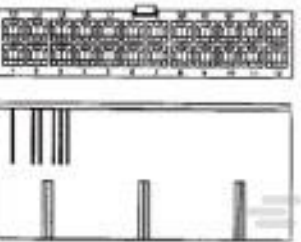
TE Part #2-1586017-0
20P FH PLUG VAL-U-LOK V0



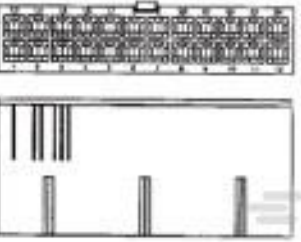
TE Part #470037-000
CWT-9002



TE Part #114163-000
CWT-9003



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



TE Part #1586017-6
6P FH PLUG VAL-U-LOK V0



TE Part #770904-3
MINI UMNL SOK 22-18 AWG AU

Documents

Product Drawings
12P FH PLUG VAL-U-LOK V0

English

CAD Files
Customer View Model
ENG_CVM_CVM_1-1586017-2_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1586017-2_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1586017-2_B.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

UL Report

English

UL Report

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