



VAL-U-LOK

TE Internal #: 1-1586000-6

Housing, Plug, Crimp, Wire-to-Wire, UL 94V-2, 16 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	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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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	34.8 mm [1.37 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-2



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 2025 (247) 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 # 1-1969597-6
16P RCPT VAL-U-LOK V2

TE Part # 2029096-2
2P PLUG VAL-U-LOK V2 FH BLUE

TE Part # 1-794954-6
16P RCPT VAL-U-LOK V2

Customers Also Bought



TE Part #770680-1
23POS,AMPSEAL,SOC HSG ASSY,SLD, COD 1

TE Part #208491-1
CMC RECEPTACLE ASSY,SIZE 22

TE Part #B8965CNS
WHIP,MC,CC,896-970MHz TUN,5,CH, NGP,SPRIN

TE Part #2-520272-2
ULTRA-FAST .110/.125 ASY REC 22-18 TPBR

TE Part #1-794407-0
MINI UMNL SOK 20-16 AWG AU LF

TE Part #EH2295-000
DWFR-4/1-0-STK

TE Part #794954-6
6P RCPT VAL-U-LOK V2

TE Part #794958-1
VAL-U-LOK SKT BR SN 22-26AWG

TE Part #770854-3
CONTACT,AMPSEAL AU L/P

TE Part #9-1393211-3
T92S11D22-12

Documents

Product Drawings
16P FH PLUG VAL-U-LOK V2
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-1586000-6_D.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-1586000-6_D.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-1586000-6_D.3d_stp.zip
English
Customer View Model
ENG_CVM_1-1586000-6_C.3d_igs.zip
English



Customer View Model

[ENG_CVM_1-1586000-6_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-1586000-6_C.2d_dxf.zip](#)

English

3D PDF

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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