

VAL-U-LOK

TE Internal #: 1586000-6
Housing, Plug, Crimp, Wire-to-Wire, UL 94V-2, 6 Position, 4.2 mm [.165 in] Centerline, 2 Row, 600 VAC, Rectangular Wire & Cable Connectors & Housings

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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	6
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

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	13.8 mm [.543 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

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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: JUNE 2024 (241) 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 # 794954-6
6P RCPT VAL-U-LOK V2



TE Part # 1969597-6
6P RCPT VAL-U-LOK V2

Customers Also Bought



TE Part #1-1586000-0
10P FH PLUG VAL-U-LOK V2

TE Part #42692-2
250 FASTON REC 18-14 AWG TPBR

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

TE Part #794955-3
VAL-U-LOK PIN PHBZ SN 22-18AWG

TE Part #640052-1
RING 18-14 AWG SST

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

TE Part #1586000-8
8P FH PLUG VAL-U-LOK V2

TE Part #1586315-1
VAL-U-LOK SKT BR SN 24-18 LP

TE Part #1586054-1
VAL-U-LOK PIN BR SN 16AWG

TE Part #3-644893-6
06P CST100 SHRD HDR ASSY LF

Documents

Product Drawings

6P FH PLUG VAL-U-LOK V2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586000-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586000-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586000-6_D.3d_stp.zip

English

Customer View Model

ENG_CVM_1586000-6_C.3d_igs.zip

English



Customer View Model

[ENG_CVM_1586000-6_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_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](#)

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Agency Approvals

[UL Report](#)

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