



VAL-U-LOK

TE Internal #: 1-1969605-2
Housing, Plug, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-2, 12
Position, 4.2 mm [.165 in] Centerline, 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-Panel, Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

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

Configuration Features

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

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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	Panel Mount
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Housing Features

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

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	23.9 mm[.94 in]
Connector Height	11.6 mm[.457 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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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	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	500
Packaging Method	Box

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 1-1586039-2
12P VAL-U-LOK VRT HDR W/P V2

TE Part # 1-1969603-2
12P RCPT VAL-U-LOK GW

Customers Also Bought

TE Part #2118308-9
4G WORLD BAND, METASPAN, PCB ANT, 350MM

TE Part #104549-7
50 SYS50 SURFMNT HDR DRST SHRD

TE Part #1-104656-0
100 50/50 HDR DRST SFMNT .320

TE Part #1863005-1
12P UMNL PLUG HSG





TE Part #2339978-6
SFP56 STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #3-2176215-7
CPF A 0402 34K8 0.1% 25PPM 1K RL



TE Part #1982995-3
CROWN CLIP JUNIOR SCREW-MOUNT CONN



TE Part #1-1969603-2
12P RCPT VAL-U-LOK GW



TE Part #2-1445097-8
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #2204899-1
Crown Clip 250(125+&125-) Dual Power

Documents

Product Drawings

12P PM PLUG VAL-U-LOK PM GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969605-2_A_c-1-1969605-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1969605-2_A_c-1-1969605-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1969605-2_A_c-1-1969605-2-a.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773730-3 VAL-U-LOK Connectors with TPA Flyer

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

1-1969605-2

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English