

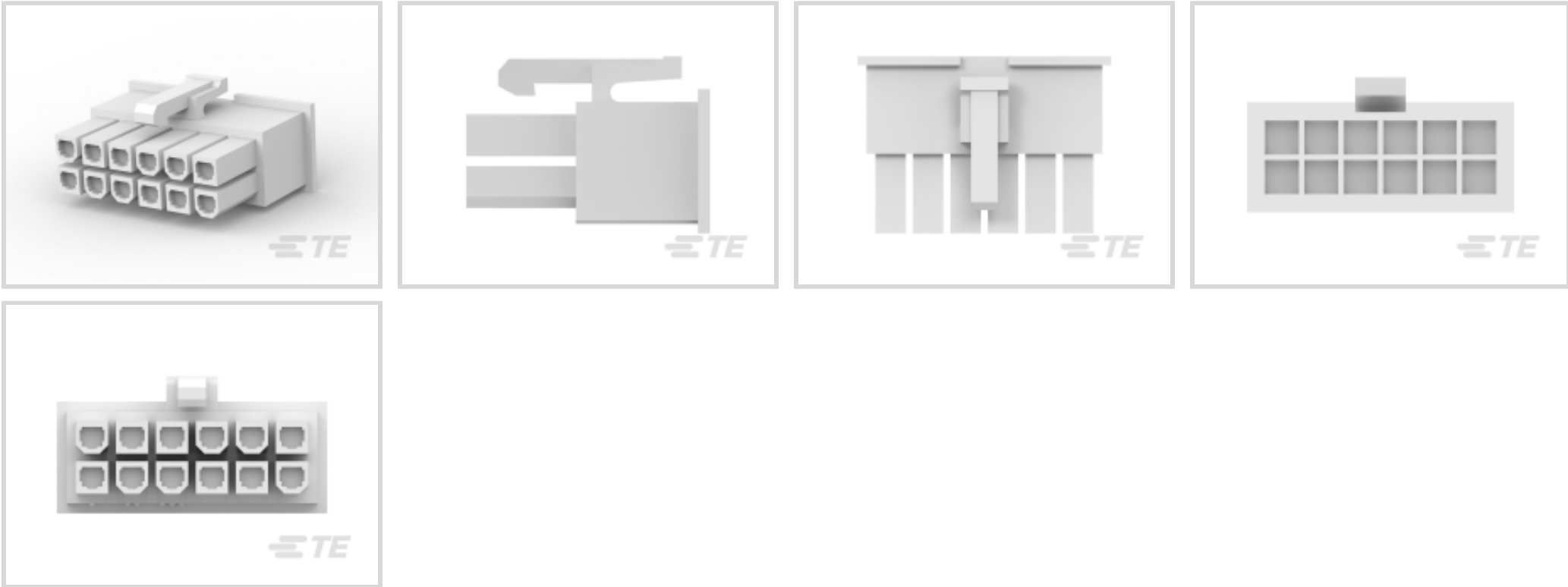


VAL-U-LOK

TE Internal #: 1-1969597-2
Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Board, 12 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board, Wire-to-Wire**
Number of Positions: **12**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board, 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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Contact Features

Contact Retention Within Housing	Without
Contact Type	Receptacle



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

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Connector Height	11.7 mm[.461 in]
Product Width	19.8 mm[.779 in]
Product Length	26.4 mm[1.039 in]
Row-to-Row Spacing	4.2 mm[.165 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

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-2
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	Not Yet Reviewed

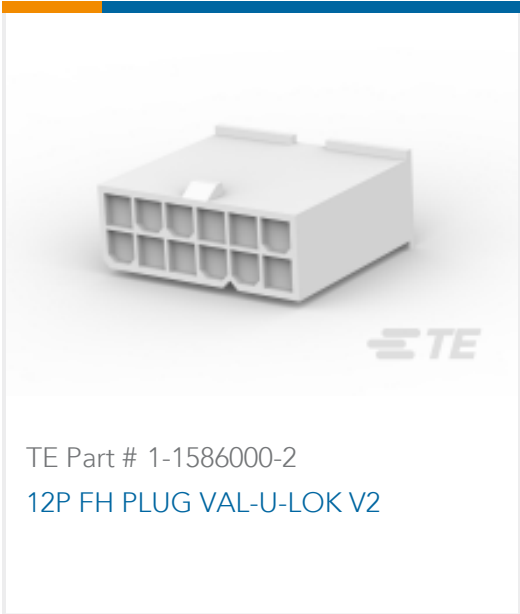


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not 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 # 1-1586000-2
12P FH PLUG VAL-U-LOK V2



TE Part # 1-794953-2
12P PM PLUG VAL-U-LOK V2



TE Part # 1-2029088-2
12P PLUG VAL-U-LOK V2 PM BLK

Customers Also Bought



TE Part # 3-1630019-1
HSC200 1K8 5%



TE Part # 2-1879453-8
TE 1000W 180R 5% Bracket



TE Part # 1-1546405-1
ETHERNET DIRECT PCB MNT RCPT



TE Part # 2238017-1
VAL-U-LOK SKT BR SN 18-22AWG



TE Part # 1-350777-3
02P UMN L V0 PLUG HSG ORANGE

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

TE Part # YDTS26Z11-98PNV001
PLUG ASSY

TE Part # 1-794953-2
12P PM PLUG VAL-U-LOK V2

TE Part # 2-2176467-0
TLRP 1206 1.0W R033 1% 75PPM 5K RL

Documents

Product Drawings
12P RCPT VAL-U-LOK V2

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1969597-2_A_c-1-1969597-2-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1969597-2_A_c-1-1969597-2-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1969597-2_A_c-1-1969597-2-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.)



English

[Agency Approvals](#)

[UL Report](#)

English