



VAL-U-LOK

TE Internal #: 1-1969613-2
Housing, Plug, Crimp, Wire-to-Panel / Wire-to-Wire, UL 94V-0, 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	Natural
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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	Nylon 6/6
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	23 mm[.906 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	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
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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: 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 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 # 1-1586019-2
12P RCPT VAL-U-LOK V0

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

TE Part # 1-1586040-2
12P VAL-U-LOK VRT HDR W/P V0

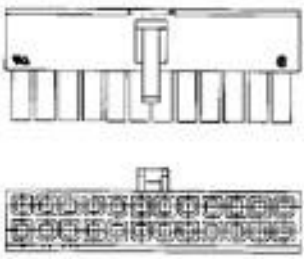
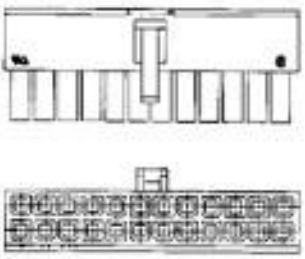
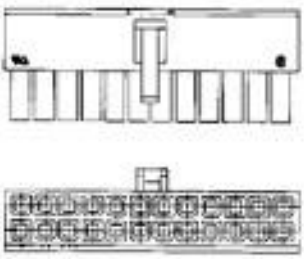
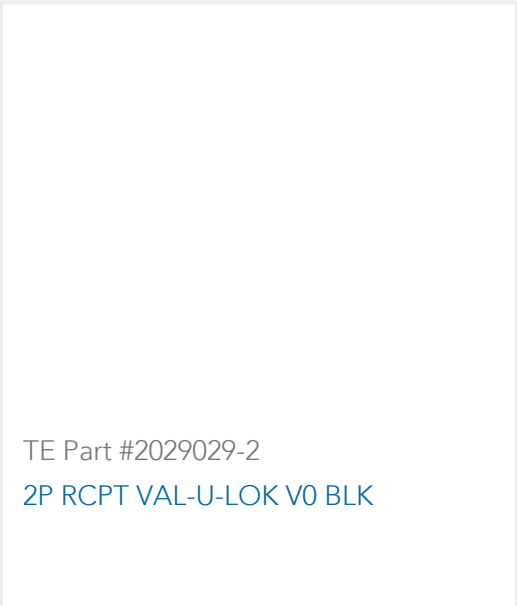
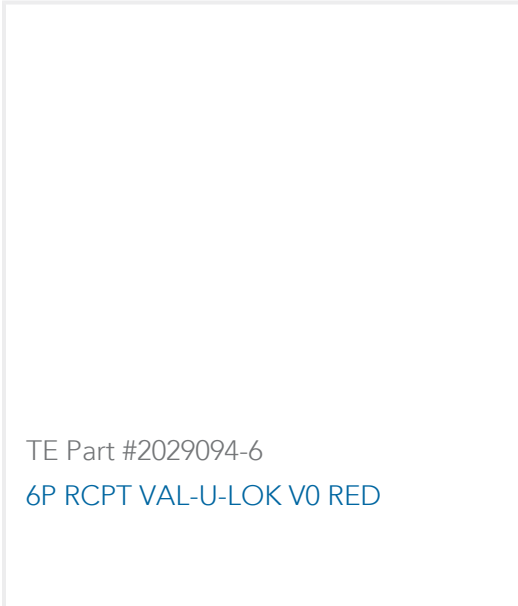
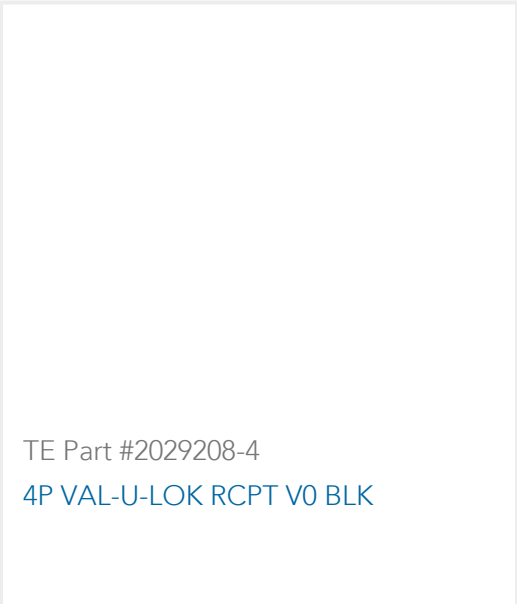
TE Part # 1-1586042-2
12P VAL-U-LOK R/A HDR V0

TE Part # 1-1586038-2
12P VRT HDR VAL-U-LOK V0

TE Part # 1-1586044-2
12P VAL-U-LOK R/A HDR SCRMT V0

Customers Also Bought



 TE Part #2029100-4 4P RCPT VAL-U-LOK V0 BLUE	 TE Part #2029029-4 4P RCPT VAL-U-LOK V0 BLK	 TE Part #3-2299282-2 POD-LOK 250 STR. AWG 18-14 PTPBR GF	 TE Part #2029094-4 4P RCPT VAL-U-LOK V0 RED
 TE Part #2029029-2 2P RCPT VAL-U-LOK V0 BLK	 TE Part #2029094-6 6P RCPT VAL-U-LOK V0 RED	 TE Part #2029100-6 6P RCPT VAL-U-LOK V0 BLUE	 TE Part #2029100-8 8P RCPT VAL-U-LOK V0 BLUE
 TE Part #2029208-4 4P VAL-U-LOK RCPT V0 BLK	 TE Part #2029094-8 8P RCPT VAL-U-LOK V0 RED		

Documents

Product Drawings

12P PM PLUG VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969613-2_A_c-1-1969613-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1969613-2_A_c-1-1969613-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1969613-2_A_c-1-1969613-2-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