



VAL-U-LOK

TE Internal #: 2029090-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2

Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **2**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin

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]
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Housing Color	Red
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Housing Material	Nylon
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Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
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Height	10.6 mm [.417 in]
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Length	5.4 mm [.213 in]
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Width	23.8 mm [.937 in]
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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

UL Flammability Rating	UL 94V-2
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Glow Wire Rating	Standard Part - Not Glow Wire
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UL Rating	Recognized
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Agency/Standard Number	E28476
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CSA File Number	208567
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Agency/Standard	CSA, UL
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Packaging Features

Packaging Method	Package
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	
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Current ECHA Candidate List: JUNE 2022
 (224)
 Candidate List Declared Against: JAN 2018
 (181)
 SVHC > Threshold:
 Not Yet Reviewed

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 1586017-2
 2P FH PLUG VAL-U-LOK V0

TE Part # 1586000-2
 2P FH PLUG VAL-U-LOK V2

TE Part # 1-1586000-4
 14P FH PLUG VAL-U-LOK V2

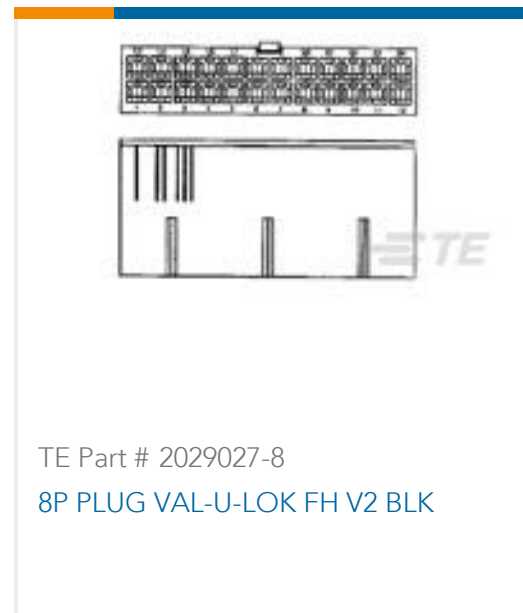
TE Part # 1-1586000-8
 18P FH PLUG VAL-U-LOK V2

TE Part # 1969612-2
 2P FH PLUG VAL-U-LOK V0

TE Part # 1-1586000-2
 12P FH PLUG VAL-U-LOK V2

TE Part # 1969598-2
 2P FH PLUG VAL-U-LOK V2

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



Documents

Product Drawings

[2P PLUG VAL-U-LOK V2 FH RED](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2029090-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029090-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029090-2_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English