



VAL-U-LOK

TE Internal #: 1-2029096-2

Rectangular Connector Housings, Wire-to-Wire, 15 Newton Insertion Force, 12 Position, .165 in [4.2 mm] Centerline, 2 Row, Nylon, Plug, Pin

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings



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

Insertion Force: **15 Newton**

Number of Positions: **12**

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

Row-to-Row Spacing: **4.2 mm [.165 in]**

Features

Product Type Features

Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector Type	Housing
Product Type	Connector
Glow Wire Rating	Standard Part - Not Glow Wire

Configuration Features

Insertion Force	15 Newton
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Contact Type	Pin
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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 Material	Nylon
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Housing Color	Blue
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Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
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Height	11.6 mm [.457 in]
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Length	26.4 mm [1.039 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
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Industry Standards

CSA Rating	208567
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Agency/Standard	CSA, UL
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CSA File Number	208567
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UL File Number	E28476
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UL Flammability Rating	UL 94V-2
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UL Rating	Recognized
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Packaging Features

Packaging Quantity	500
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Packaging Method	Bag
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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

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022 (224)

Candidate List Declared Against: JUL 2017 (174)

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 # 1-794954-2
12P RCPT VAL-U-LOK V2



TE Part # 1-1586037-2
12P VERT HDR VAL-U-LOK V2



TE Part # 1-1586041-2
12P VAL-U-LOK R/A HDR V2



TE Part # 1-1586043-2
12P VAL-U-LOK R/A HDR SCRMT V2



TE Part # 1-1969597-2
12P RCPT VAL-U-LOK V2



TE Part # 1-1586585-2
12P VAL-U-LOK BMI VRT HDR V2



TE Part # 1-1586586-2
12P VAL-U-LOK BMI VRT HDR V2



TE Part # 1-2029097-2
12P RCPT VAL-U-LOK V2 BLUE



Documents

Product Drawings

[12P PLUG VAL-U-LOK V2 FH BLUE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-2029096-2_A_c-1-2029096-2-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2029096-2_A_c-1-2029096-2-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2029096-2_A_c-1-2029096-2-a.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English