



VAL-U-LOK

TE Internal #: 1586862-2
Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 2
Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2, GWT
750°C (Without Flame)

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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

Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	2
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features



Contact Layout	Inline
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	White
Housing Material	Polyamide

Dimensions

Connector Height	10.6 mm[.42 in]
Product Width	23.9 mm[.94 in]
Product Length	5.4 mm[.213 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 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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Identification Marking

Circuit Identification Feature	With
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Industry Standards

CSA Rating	208567
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

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Packaging Quantity	500
Packaging Method	Package

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	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 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 # 1586765-2
2P RCPT VAL-U-LOK GW



TE Part # 2029265-2
2P VAL-U-LOK VRTHDR W/PGS GW



TE Part # 1586768-2
2P VERT HDR VAL-U-LOK GW



TE Part # 1586863-2
2P VAL-U-LOK R/A HDR GW



TE Part # 2296205-2
2P RCPT VAL-U-LOK GWT/V0

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

TE Part # 2029059-2
2P VAL-U-LOK VRTHDR W/PGS GW

Customers Also Bought

TE Part #1-1969442-1
EP 2.5 TPA Housing, 11 Pos

TE Part #1-2333134-0
DYNAMIC 1100D REC HSG X 40P
BLACK 33%GF

TE Part #1534072-2
MULTIF.ASSY MK2 2POS,AR

TE Part #1534072-3
MULTIF.ASSY MK2 3POS,AR

TE Part #1534072-5
MULTIF.ASSY MK2 5P,AR

TE Part #852743-3
CRIMPER, WIRE

TE Part #170328-3
250 PL MKII REC. 18-14AWG PTBR

TE Part #2331088-2
250 PL MII HSG. REC. 13MM2P BLACK

Documents

Product Drawings

2P FH PLUG VAL-U-LOK FH GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586862-2_B_c-1586862-2-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586862-2_B_c-1586862-2-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586862-2_B_c-1586862-2-b.3d_stp.zip

English

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Datasheets & Catalog Pages

VAL-U-LOK_GLOW_WIRE_CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English