



VAL-U-LOK

TE Internal #: 2-1586765-0

Rectangular Connector Housings, Wire-to-Board / Wire-to-Wire, 20 Position, .165 in [4.2 mm] Centerline, 2 Row, Polyamide, Receptacle, Socket

[View on TE.com >](#)

Connectors > Rectangular Connectors > Rectangular Connector Housings



Connector System: Wire-to-Board, Wire-to-Wire

Number of Positions: 20

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

Number of Rows: 2

Housing Material: Polyamide

Features

Product Type Features

Connector System	Wire-to-Board, Wire-to-Wire
Connector & Housing Type	Receptacle
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Type	Socket
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Mechanical Attachment

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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Color	White
Centerline (Pitch)	4.2 mm[.165 in]
Housing Material	Polyamide

Dimensions

Connector Height	11.8 mm[.464 in]
Product Width	20 mm[.787 in]
Product Length	43.2 mm[1.7 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
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Industry Standards

CSA Rating	208567
Glow Wire Rating	Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Method	Bag/Box
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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: 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 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 # 2-2296206-0  
20P FH PLUG VAL-U-LOK FH GWT/V0



TE Part # 2-1586862-0  
20P FH PLUG VAL-U-LOK FH GW




TE Part # 2-2296207-0  
20P PM PLUG VAL-U-LOK PM GWT/V0




TE Part # 2-1586861-0  
20P PM PLUG VAL-U-LOK PM GW


Customers Also Bought




TE Part #DT04-2P  
REC, 2P, GRY, N




TE Part #DT06-2S  
PLG, 2P, GRY, N



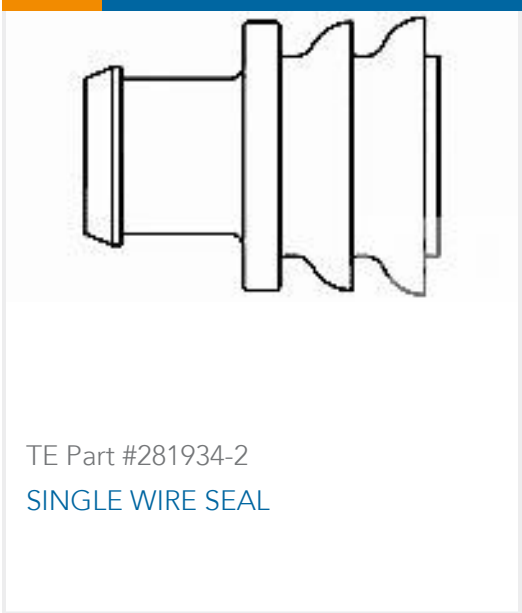
TE Part #W2S  
WedgeLocks: DEUTSCH DT




TE Part #0460-202-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



Documents

Product Drawings

20P RCPT VAL-U-LOK GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1586765-0\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1586765-0\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1586765-0\_D.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

VAL-U-LOK\_GLOW\_WIRE\_CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English