1-1586862-2 ✔ ACTIVE

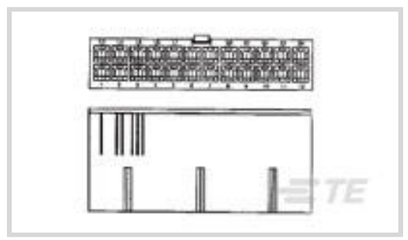
VAL-U-LOK

TE Internal #: 1-1586862-2

Rectangular Connector Housings, Wire-to-Wire, 12 Position, .165 in [4.2 mm] Centerline, 2 Row, Polyamide, Plug, Pin, Wire & Cable, Power

View on TE.com >

Connectors > Rectangular Connectors > Rectangular Connector Housings



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

Number of Positions: **12**

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

Number of Rows: **2**

Housing Material: **Polyamide**

Features

Product Type Features

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

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Signal Positions	12
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix
Contact Type	Pin

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	9.6 mm[.378 in]
Product Width	23.8 mm[.94 in]
Product Length	26.4 mm[1.039 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power

Identification Marking

Circuit Identification Feature	With

Industry Standards

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

Packaging Features

Packaging Quantity	500
Packaging Method	Box

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	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 # 1-1586765-2
12P RCPT VAL-U-LOK GW



TE Part # 1-2029265-2
12P VAL-U-LOK VRTHDR W/PGS GW



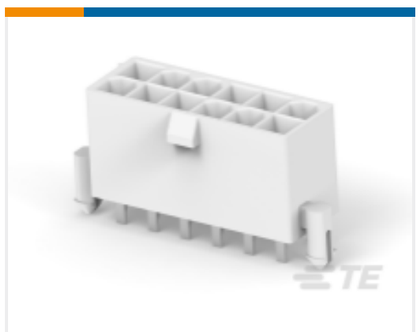
TE Part # 1-2296205-2
12P RCPT VAL-U-LOK GWT/V0



TE Part # 1-1586768-2
12P VERT HDR VAL-U-LOK GW



TE Part # 1-1586863-2
12P VAL-U-LOK R/A HDR GW



TE Part # 1-2029059-2
12P VAL-U-LOK VRTHDR W/PGS GW

Customers Also Bought



TE Part #206070-8
CABLE CLAMP KIT #17



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



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



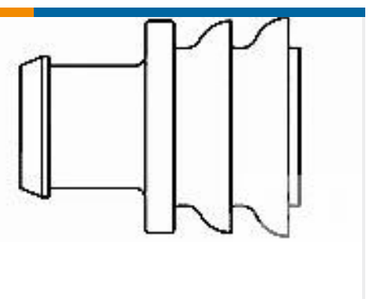
TE Part #W2S
Wedgelocks: DEUTSCH DT



TE Part #0462-201-16141
DEUTSCH Solid Contacts



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



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

12P FH PLUG VAL-U-LOK FH GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586862-2_B_c-1-1586862-2-b.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586862-2_B_c-1-1586862-2-b.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586862-2_B_c-1-1586862-2-b.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

VDE Certificate

English