2-1969613-0 ✔ ACTIVE

VAL-U-LOK

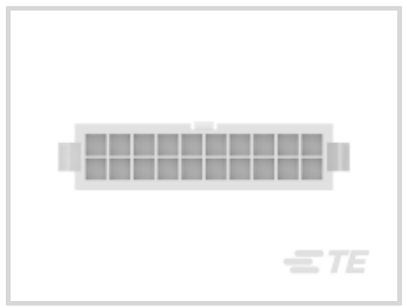
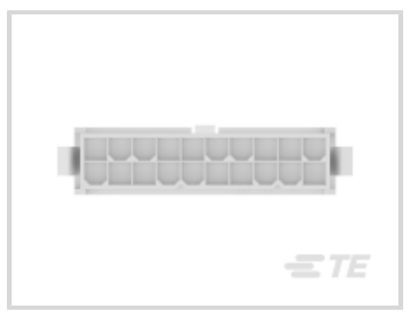
TE Internal #: 2-1969613-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 20 Position, 4.2mm [.165in] Centerline, Wire & Cable, UL 94V-0

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-Panel, Wire-to-Wire**

Number of Positions: **20**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Height	11.6 mm[.457 in]
Length	43.2 mm[1.7 in]
Width	23.8 mm[.906 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard Number	E28476
CSA File Number	208567
Agency/Standard	CSA, UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	500

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: JAN 2021 (211) 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 reviewed for solder process capability

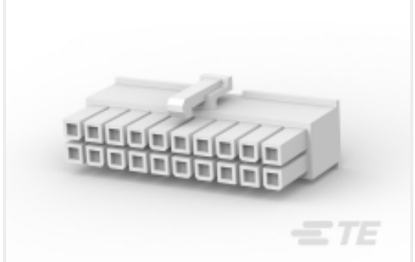
Product Compliance Disclaimer

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



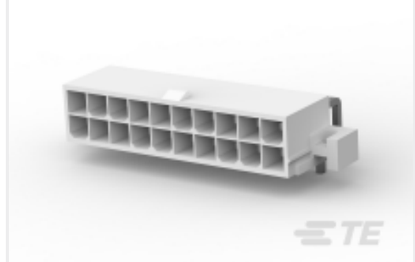
TE Part # 2-1586040-0
20P VAL-U-LOK VRT HDR W/P V0



TE Part # 2-1586019-0
20P RCPT VAL-U-LOK V0



TE Part # 2-1586038-0
20P VRT HDR VAL-U-LOK V0



TE Part # 2-1586044-0
20P VAL-U-LOK R/A HDR SCRMT V0



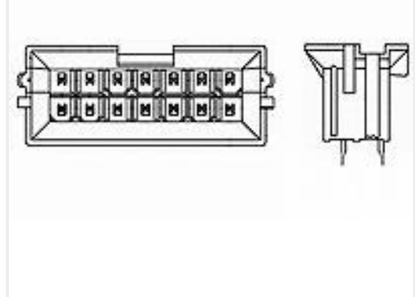
TE Part # 2-1969614-0
20P RCPT VAL-U-LOK V0



TE Part # 2-1586042-0
20P VAL-U-LOK R/A HDR V0



TE Part # 2-1586587-0
20P VAL-U-LOK BMI VRT HDR V0



TE Part # 2-1586588-0
20P VAL-U-LOK BMI VRT HDR V0

TE Part # 2-2029029-0
20P RCPT VAL-U-LOK V0 BLK

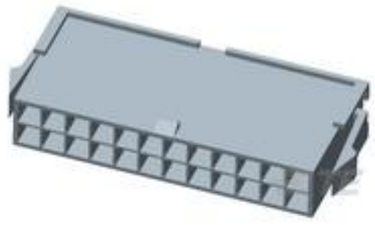
TE Part # 2-2029094-0
20P RCPT VAL-U-LOK V0 RED

TE Part # 2-2029100-0
20P RCPT VAL-U-LOK V0 BLUE

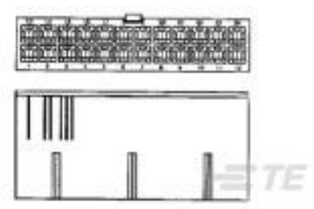
Customers Also Bought



TE Part #0462-209-16141
DEUTSCH SOLID CONTACTS



TE Part #1-1969613-8
18P PM PLUG VAL-U-LOK V0



TE Part #1-1586862-6
16P FH PLUG VAL-U-LOK FH GW



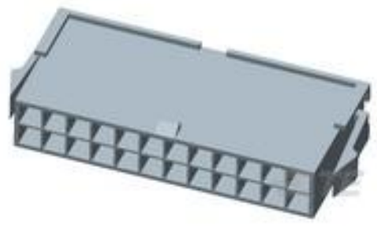
TE Part #W6P
DEUTSCH DT WEDGELOCKS



TE Part #1-480698-0
02P UMNL PLUG HSG NATL



TE Part #1-1969590-0
HSG, REC, PANEL MOUNT, SINGLE ROW,EP2.5



TE Part #1-1969613-4
14P PM PLUG VAL-U-LOK V0

Documents

Product Drawings

20P PM PLUG VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1969613-0_A_c-2-1969613-0-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1969613-0_A_c-2-1969613-0-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1969613-0_A_c-2-1969613-0-a.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

1-1773730-3 VAL-U-LOK Connectors with TPA Flyer

English

Agency Approvals

UL Report

English