1969613-6 ✔ ACTIVE

VAL-U-LOK

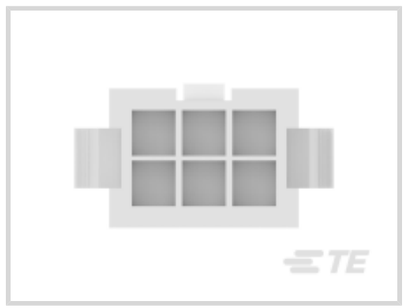
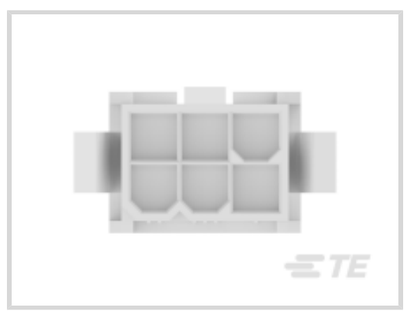
TE Internal #: 1969613-6

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel / Wire-to-Wire, 6 Position, 4.2 mm [.165 in] 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: **6**

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	6
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

Connector Height	11.6 mm[.457 in]
Product Width	23.8 mm[.906 in]
Product Length	13.8 mm[.543 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 & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1586038-6
6P VRT HDR VAL-U-LOK V0



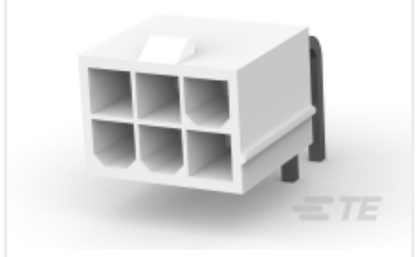
TE Part # 1969614-6
6P RCPT VAL-U-LOK V0



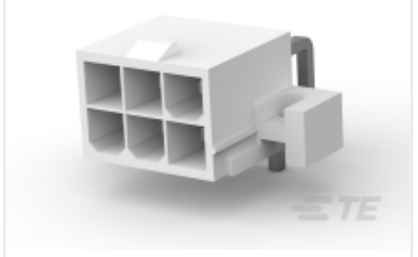
TE Part # 1586040-6
6P VAL-U-LOK VRT HDR W/P V0



TE Part # 1586019-6
6P RCPT VAL-U-LOK V0



TE Part # 1586042-6
6P VAL-U-LOK R/A HDR V0



TE Part # 1586044-6
6P VAL-U-LOK R/A HDR SCR MT V0

TE Part # 2029029-6
6P RCPT VAL-U-LOK V0 BLK

TE Part # 2029094-6
6P RCPT VAL-U-LOK V0 RED

TE Part # 2029100-6
6P RCPT VAL-U-LOK V0 BLUE

Customers Also Bought



TE Part #1744544-6
EP II TPA 06P, BLACK



TE Part #5-2232263-7
PTL 1X5 CAP PANEL MT GLW WIRE KEY A DGR



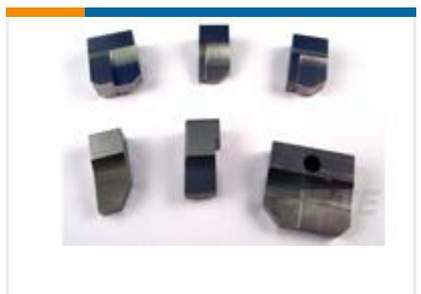
TE Part #1-1969443-2
EP 2.5 TPA Retainer, 12 Pos



TE Part #1-2232890-7
7P MONOPLUG 2.5 SELECTIVELY LOADED



TE Part #1-2324201-4
HSG,REC,FREE-HANGING,GWT, DUALROW,EP2.5



TE Part #1633917-1
ANVIL COMBINATION



TE Part #1744544-9
EP II TPA 09P, BLACK



TE Part #2345754-1
STD TIMER PLUG HSG 2P W/EXT. LOCKING



TE Part #3-1534799-3
AMP DUOPLUG MARK II CONNEC. SELEC.LOADED



TE Part #1-1969567-2
HOUSING, PLUG, GWT, DUAL ROW, EP2.5

Documents

Product Drawings

6P PM PLUG VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969613-6_A_c-1969613-6-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969613-6_A_c-1969613-6-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969613-6_A_c-1969613-6-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

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1969613-6_0323201879_dmtec

English

MD_1969613-6_0323201879_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English