1969612-6 ✔ ACTIVE

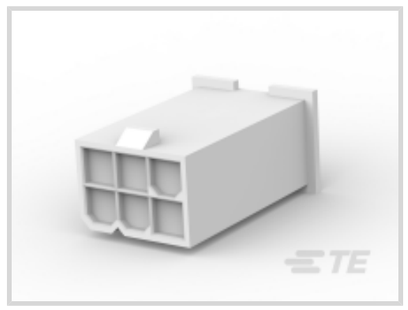
VAL-U-LOK

TE Internal #: 1969612-6

Rectangular Power Connectors, Housing, Plug, 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-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-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	Cable Mount (Free-Hanging)

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[.937 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
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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



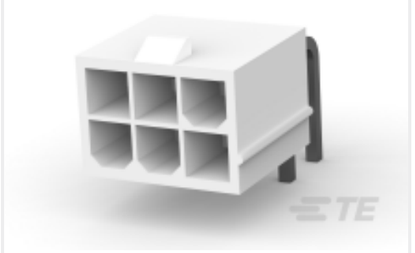
TE Part # 1586019-6
6P RCPT VAL-U-LOK V0



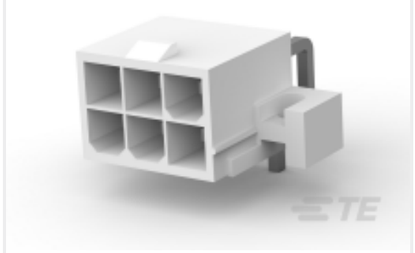
TE Part # 1969614-6
6P RCPT VAL-U-LOK V0



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



TE Part # 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

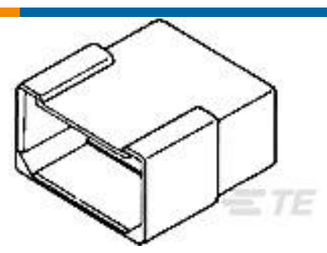
6P RCPT VAL-U-LOK V0 BLUE

Customers Also Bought



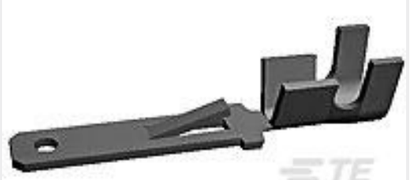
TE Part # 928343-6

STD-TIM GEH 6P



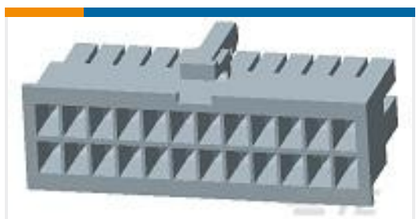
TE Part # 180906

FF 250 TAB HSG 6P NYLON NAT



TE Part # 928962-2

FF 250 TAB 1.0-2.5MM2 TBR



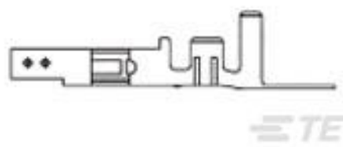
TE Part # 1969614-6

6P RCPT VAL-U-LOK V0



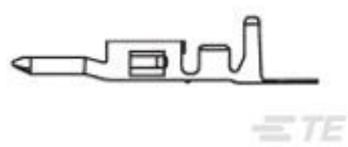
TE Part # 62048-2

250 FASTON REC 18-14 AWG TPBR



TE Part # 2238019-1

VAL-U-LOK SKT BR SN 22-26AWG



TE Part # 2238016-1

VAL-U-LOK PIN BR SN 18-22AWG



TE Part # 293041-2

FF 250 TAB 0.35-1.0MM2 TPBR



TE Part # 1969612-2

2P FH PLUG VAL-U-LOK V0



TE Part # 170360-1

UNIV M-N-L PIN 22-18 AWG

Documents

Product Drawings

6P FH PLUG VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969612-6_A_c-1969612-6-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969612-6_A_c-1969612-6-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969612-6_A_c-1969612-6-a.3d_stp.zip

English

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

Datasheets & Catalog Pages

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

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English