1586000-8 ✔ ACTIVE

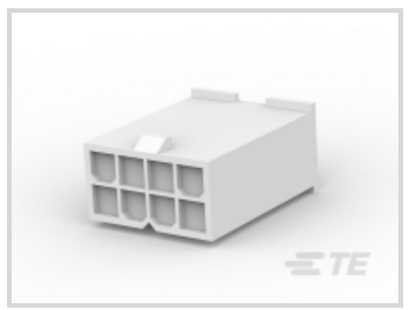
VAL-U-LOK

TE Internal #: 1586000-8

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 8 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2

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: **8**

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

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Matrix

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

Dimensions

Connector Height	9.6 mm[.378 in]
Product Width	23.8 mm[.937 in]
Product Length	18 mm[.709 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 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

Identification Marking

Circuit Identification Feature	With

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-2
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 applicable for solder process capability

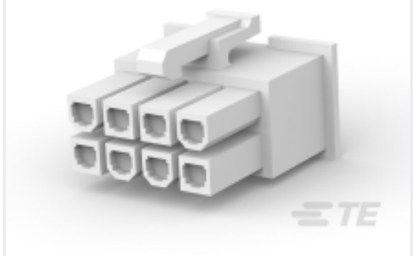
Product Compliance Disclaimer

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

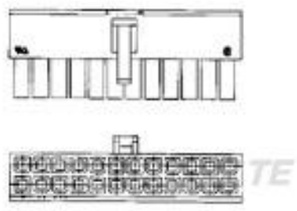


TE Part # 794954-8
8P RCPT VAL-U-LOK V2

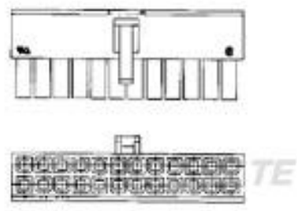


TE Part # 1969597-8
8P RCPT VAL-U-LOK V2

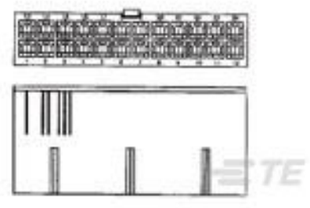
Customers Also Bought



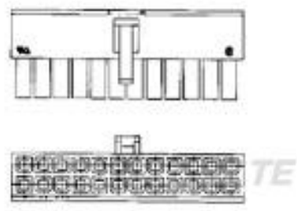
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12P RCPT VAL-U-LOK V2



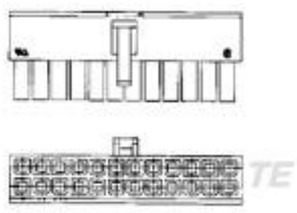
TE Part #1-794954-0
10P RCPT VAL-U-LOK V2



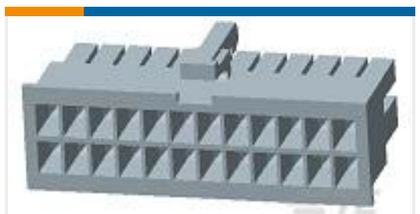
TE Part #1586000-4
4P FH PLUG VAL-U-LOK V2



TE Part #794954-4
4P RCPT VAL-U-LOK V2



TE Part #794954-2
2P RCPT VAL-U-LOK V2



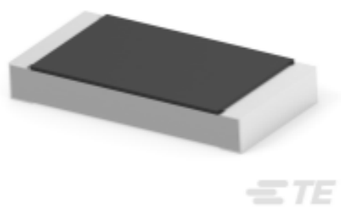
TE Part #1969614-6
6P RCPT VAL-U-LOK V0



TE Part #1586314-1
VAL-U-LOK PIN BR TN 22-18 LP



TE Part #927892-1
FF 110 TAB 0.5-1 MM2 PTP CUSN30



TE Part #2176607-9
RLC73PH 3A R022 1% 1K RL



TE Part #1337773-4
50/OHM COAX BNC ELB PLUG ELB P

Documents

Product Drawings

8P FH PLUG VAL-U-LOK V2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586000-8_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586000-8_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586000-8_D.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1586000-8_C.3d_igs.zip

English

Customer View Model

ENG_CVM_1586000-8_C.3d_stp.zip

English

Customer View Model

ENG_CVM_1586000-8_C.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English