

1586017-2 ✓ ACTIVE



VAL-U-LOK

TE Internal #: 1586017-2

Housing, Plug, Wire-to-Wire, 2 Position, 4.2 mm [.165 in] Centerline,
Wire & Cable, UL 94V-0, Rectangular Power Connectors

[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: **2**

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	2
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Contact Layout	Inline
----------------	--------



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	White
---------------	-------

Housing Material	Nylon
------------------	-------

Dimensions

Connector Height	9.6 mm [.378 in]
------------------	------------------

Product Width	23.8 mm [.937 in]
---------------	-------------------

Product Length	5.4 mm [.213 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-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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 1586019-2
2P RCPT VAL-U-LOK V0



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



TE Part # 2029096-2
2P PLUG VAL-U-LOK V2 FH BLUE



TE Part # 2029171-2
2P VRT HDR VAL-U-LOK V0 W/ODH

TE Part # 2029173-2
2P VRT HDR VAL-U-LOK V0 W/ODH

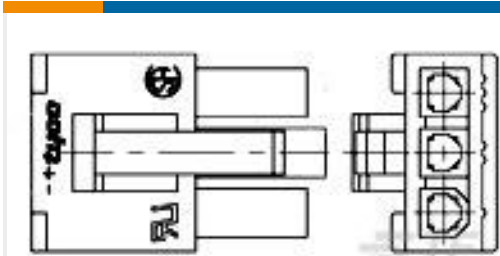
Customers Also Bought



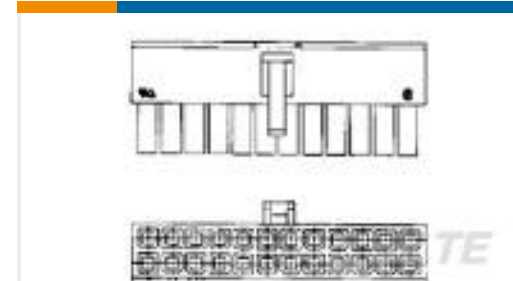
TE Part #3-6609107-3
PS0SXSS6A=C1079



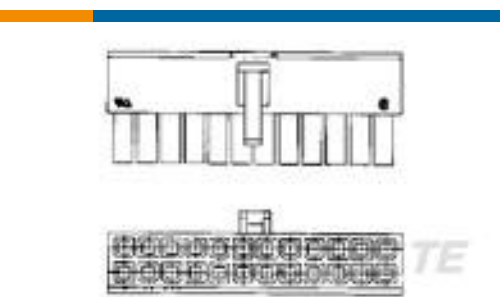
TE Part #1-327717-2
PIDG SPD 22-16 COMM 22-18MIL 4



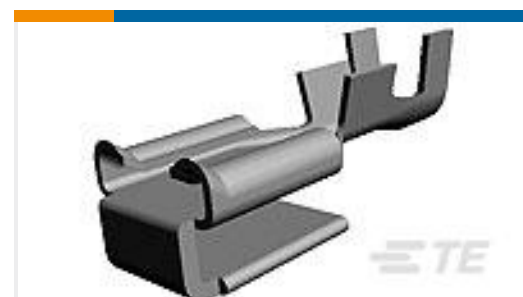
TE Part #1586106-3
3P RCPT VAL-U-LOK SR V0



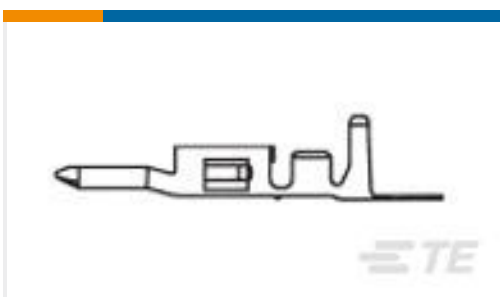
TE Part #1-1586019-2
12P RCPT VAL-U-LOK V0



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



TE Part #62109-1
250 FASTON REC 18-14 AWG BR



TE Part #794955-1
VAL-U-LOK PIN BR SN 22-18AWG



TE Part #2-34104-6
SOLIS R 22-16 COMM 22-18 MIL 4



TE Part #1544969-1
TAB, 8MM NG1 PLUS



TE Part #1544970-3
SEAL, NG9K

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1586017-2_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1586017-2_B.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1586017-2_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English