



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	6
Number of Rows	2

Electrical Characteristics

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Operating Voltage	600 VAC
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Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	4.2 mm [.165 in]
Housing Color	White
Housing Material	Nylon

Dimensions

Compatible Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 in]
Product Width	23.8 mm [.937 in]
Product Length	13.8 mm [.543 in]
Connector Height	9.6 mm [.378 in]
Row-to-Row Spacing	4.2 mm [.165 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	208567
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>

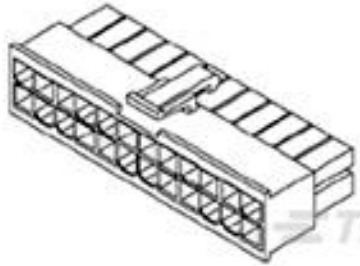
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

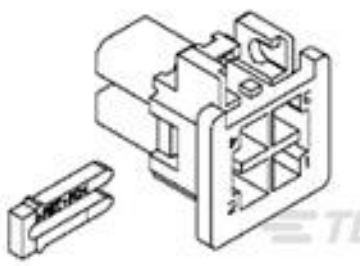
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1586019-6 6P RCPT VAL-U-LOK V0	 TE Part # 1969614-6 6P RCPT VAL-U-LOK V0	 TE Part # 2029171-6 6P VRT HDR VAL-U-LOK V0 W/ODH	 TE Part # 2029173-6 6P VRT HDR VAL-U-LOK V0 W/ODH
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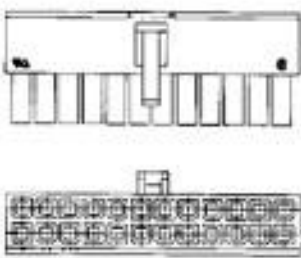


TE Part # 794153-1
[AMP DUAC/PL 06P RECEPTACLE](#)



TE Part # 794319-1
[AMP DUAC/PL 06P KIT BULK PKG](#)

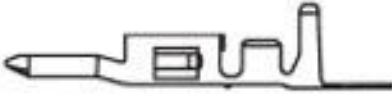
Customers Also Bought



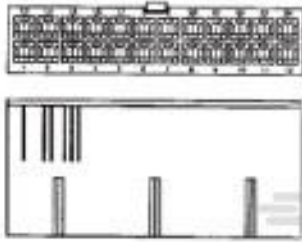
TE Part #1-1586019-2
[12P RCPT VAL-U-LOK V0](#)



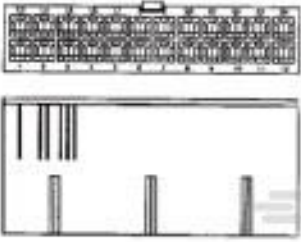
TE Part #2058128-2
[Dust Cap, 4 Posn, Natural](#)



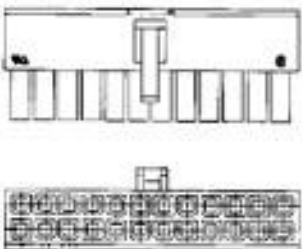
TE Part #1586054-1
[VAL-U-LOK PIN BR SN 16AWG](#)



TE Part #1586017-4
[4P FH PLUG VAL-U-LOK V0](#)



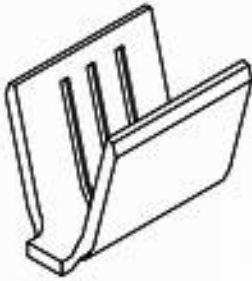
TE Part #1586017-2
[2P FH PLUG VAL-U-LOK V0](#)



TE Part #1586019-6
[6P RCPT VAL-U-LOK V0](#)



TE Part #40725
[RING 190\(4.82MM\)TERMINAL 18-14 AWG TPBR](#)



TE Part #40552
[SPlice 3300 TO 9000 CMA TPBR](#)



CRIMPER REPRESENTATION ONLY
TE Part #2-1803224-2
[CRIMPER, WIRE F](#)



ANVIL REPRESENTATION ONLY
TE Part #3-1803000-6
[ANVIL, COMBINATION, END FEED](#)

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1586017-6_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1586017-6_B.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1586017-6_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