



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**
Housing Type: **Receptacle**
Connector System: **Wire-to-Board, Wire-to-Wire**
Number of Positions: **16**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Product Type	Housing
Housing Type	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Contact Type	Socket

Configuration Features

Number of Positions	16
Number of Rows	2
Row-to-Row Spacing	.165 mm[4.2 in]

Electrical Characteristics

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

Contact Features

Contact Retention	Without
-------------------	---------

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]
UL Flammability Rating	UL 94V-2
Housing Color	Natural
Housing Material	Nylon

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

Packaging Features

Packaging Method	Bag
------------------	-----

Product Compliance

For compliance documentation, visit the product page on TE.com>

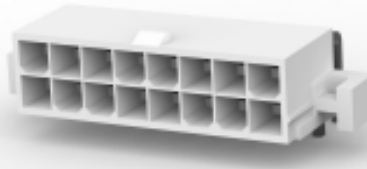
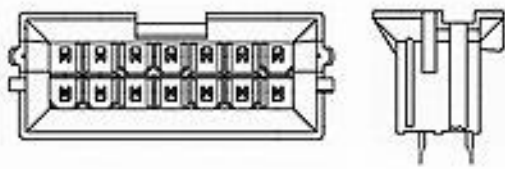
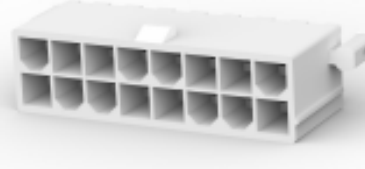
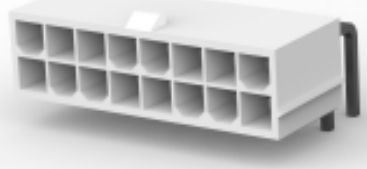
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability



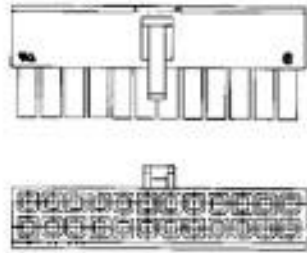
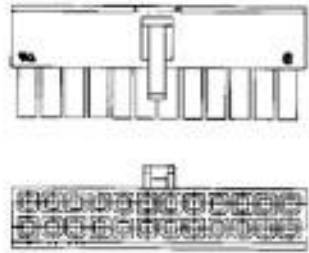
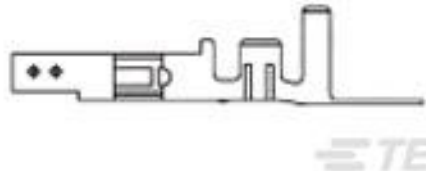
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # 1-1586037-6 16P VERT HDR VAL-U-LOK V2	 TE Part # 1-1586043-6 16P VAL-U-LOK R/A HDR SCRMT V2	 TE Part # 1-1586586-6 16P VAL-U-LOK BMI VRT HDR V2	 TE Part # 1-1586000-6 16P FH PLUG VAL-U-LOK V2
 TE Part # 1-1586039-6 16P VAL-U-LOK VRT HDR W/P V2	 TE Part # 1-1586041-6 16P VAL-U-LOK R/A HDR V2	 TE Part # 1-794953-6 16P PM PLUG VAL-U-LOK V2	 TE Part # 1-1586585-6 16P VAL-U-LOK BMI VRT HDR V2

Customers Also Bought

 TE Part #2-794954-0 20P RCPT VAL-U-LOK V2	 TE Part #1-794954-2 12P RCPT VAL-U-LOK V2	 TE Part #794772-2 02P MINI UMNL SEAL,DIE CUT	 TE Part #794956-1 VAL-U-LOK SKT BR SN 22-18AWG
---	---	--	--



TE Part #1-1586037-6
16P VERT HDR VAL-U-LOK V2

TE Part #1-1586043-6
16P VAL-U-LOK R/A HDR SCRMT V2

TE Part #1586314-1
VAL-U-LOK PIN BR TN 24-18 LP

TE Part #1586314-3
VAL-U-LOK PIN PHBZ SN 24-18 LP

TE Part #1586315-1
VAL-U-LOK SKT BR SN 24-18 LP

TE Part #91388-1
PRO-CRIMPER TOOL & DIE

Documents

Product Drawings
16P RCPT VAL-U-LOK V2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-794954-6_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-794954-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-794954-6_E.3d_stp.zip

English

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English



Agency Approvals

VDE Certificate

English

VDE Certificate

English