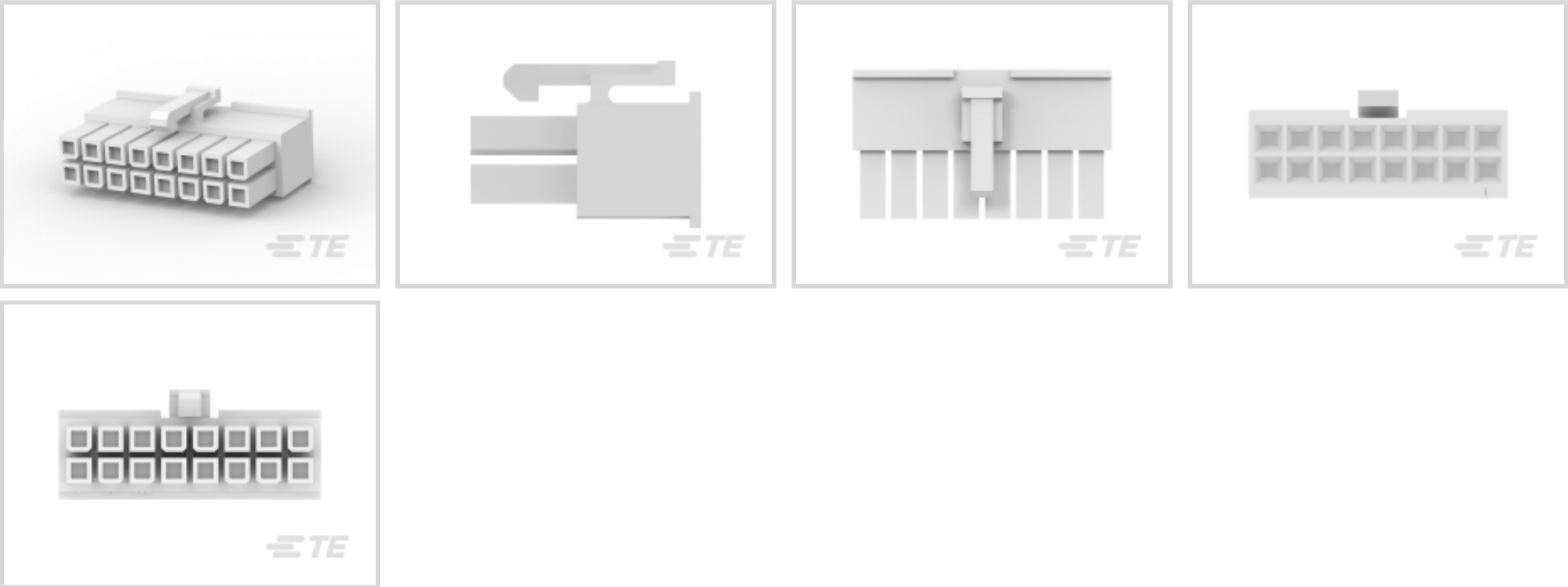




VAL-U-LOK

TE Internal #: 1-1586765-6
Housing, Receptacle, Crimp, Wire-to-Board / Wire-to-Wire, UL 94V-2, 16 Position, Rectangular Wire & Cable Connectors & Housings
[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Receptacle**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Board, Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

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

Body Features

Primary Product Color	White
-----------------------	-------

Contact Features

Contact Layout	Matrix
----------------	--------



Contact Type	Receptacle
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

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

Housing Features

Housing Material	Polyamide
Centerline (Pitch)	4.2 mm[.165 in]

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Connector Width	20 mm[.787 in]
Connector Height	11.8 mm[.464 in]
Connector Length	34.8 mm[1.37 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

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	208567
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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 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>

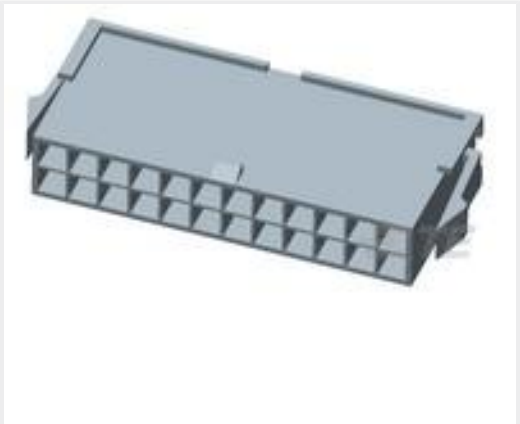
Compatible Parts



TE Part # 1-2296206-6
16P FH PLUG VAL-U-LOK FH GWT/V0



TE Part # 1-1586862-6
16P FH PLUG VAL-U-LOK FH GW



TE Part # 1-2296207-6
16P PM PLUG VAL-U-LOK PM GWT/V0



TE Part # 1-1586861-6
16P PM PLUG VAL-U-LOK PM GW

Customers Also Bought





TE Part #42639-1
RING TERMINAL 14-12 AWG BR



TE Part #2-1393117-9
KUP-11A55-120=KU



TE Part #42801-2
187 FASTON REC 20-16 AWG TPBR



TE Part #1-320627-0
N PIDG RING 16-14 HD 8



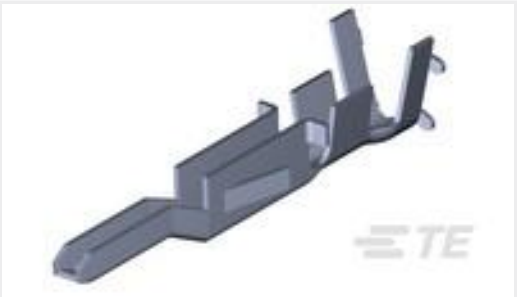
TE Part #2-32952-1
PG R 22-16 COMM 22-18 MIL 10



TE Part #7-1393118-0
KUP-5D55-12=KU



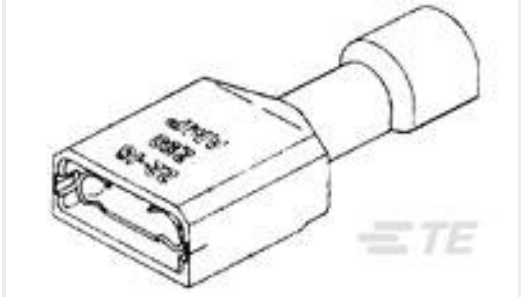
TE Part #41333
RING 18-14 AWG TPBR



TE Part #2238020-1
VAL-U-LOK PIN BR TN 22-18 LP



TE Part #61944-2
250 FASTON REC 18-14 AWG TPBR



TE Part #3-520140-2
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR

Documents

Product Drawings
16P RCPT VAL-U-LOK GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1586765-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1586765-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1586765-6_D.3d_stp.zip

English

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

Datasheets & Catalog Pages



VAL-U-LOK_GLOW_WIRE_CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

UL Report

English