

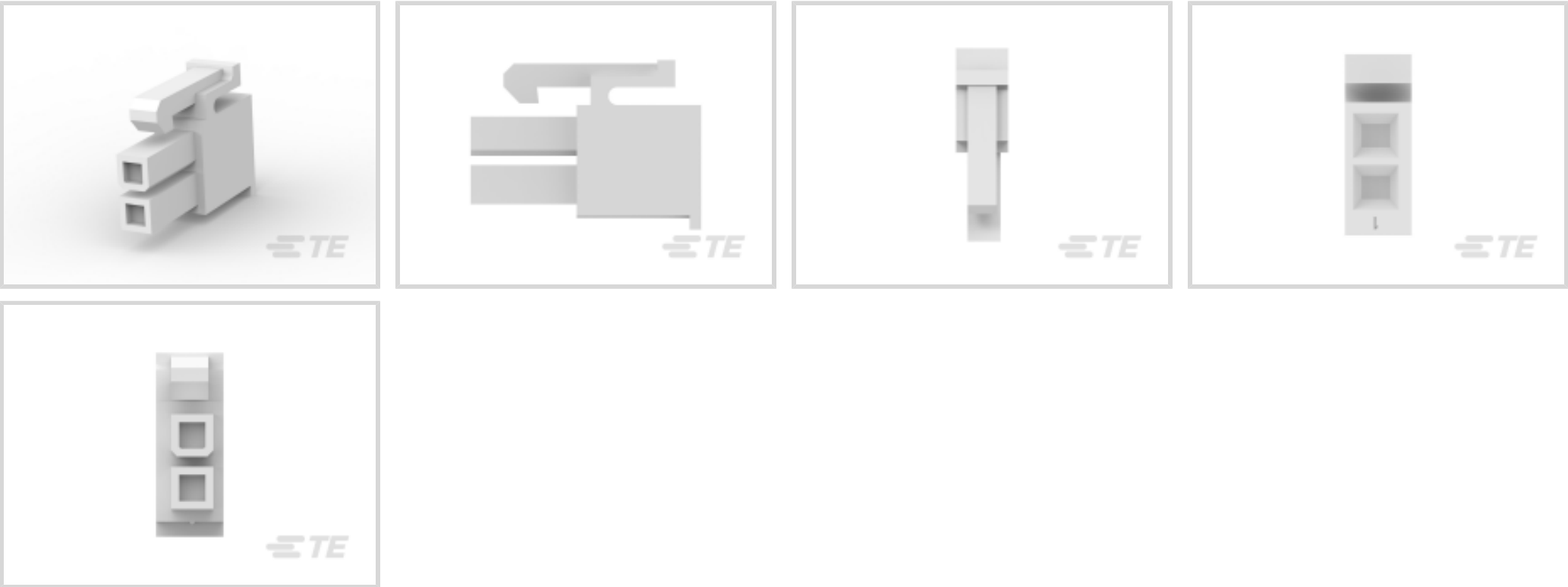


VAL-U-LOK

TE Internal #: 1586019-2  
Rectangular Power Connectors, Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 2 Position, .165 in [4.2 mm] Centerline, Wire & Cable, UL 94V-0

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**  
Connector & Housing Type: **Receptacle**  
Connector System: **Wire-to-Board, 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          | Receptacle                  |
| Connector System                  | Wire-to-Board, Wire-to-Wire |
| Sealable                          | No                          |
| Connector & Contact Terminates To | Wire & Cable                |

Configuration Features

|                     |   |
|---------------------|---|
| 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                     | Receptacle |



Termination Features

|                                    |               |
|------------------------------------|---------------|
| Termination Method to Wire & Cable | Crimp         |
| Wire/Cable Type                    | Discrete Wire |

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

|                                        |                              |
|----------------------------------------|------------------------------|
| Row-to-Row Spacing                     | 4.2 mm[.165 in]              |
| Width                                  | 20 mm[.787 in]               |
| Accepts Wire Insulation Diameter Range | 1.2 – 3.1 mm[.047 – .122 in] |
| Height                                 | 10.8 mm[.425 in]             |
| Length                                 | 5.4 mm[.213 in]              |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
| Insertion Force             | 15 Newton                  |

Operation/Application

|                              |                |
|------------------------------|----------------|
| Assembly Integration Feature | Without        |
| Circuit Application          | Power & Signal |

Identification Marking

|                                |      |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| Agency/Standard Number | E28476                        |
| Agency/Standard        | UL                            |
| UL Rating              | Recognized                    |
| VDE Tested             | No                            |

Packaging Features

|  |  |
|--|--|
|  |  |
|--|--|



|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 500 |

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 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<br>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 # 1586017-2  
2P FH PLUG VAL-U-LOK V0



TE Part # 1586040-2  
2P VAL-U-LOK VRT HDR W/P V0



TE Part # 1586018-2  
2P PM PLUG VAL-U-LOK V0



TE Part # 1586038-2  
2P VRT HDR VAL-U-LOK V0



TE Part # 1586042-2  
2P VAL-U-LOK R/A HDR V0



TE Part # 2825272-2  
2P VERT HDR VAL-U-LOK HCS GW



TE Part # 2825274-2  
2P VAL-U-LOK HCS VRTHDR W/PGS GW



TE Part # 1586587-2  
2P VAL-U-LOK BMI VRT HDR V0



TE Part # 1969612-2  
2P FH PLUG VAL-U-LOK V0



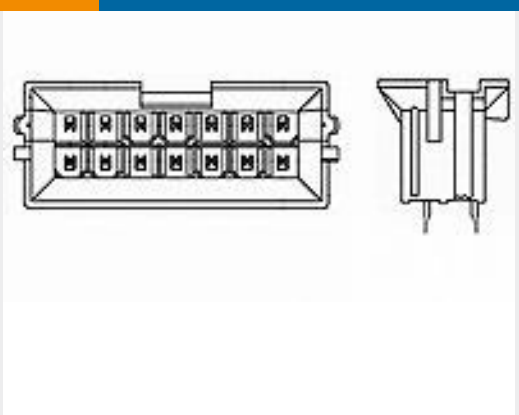
TE Part # 1586044-2  
2P VAL-U-LOK R/A HDR SCR MT V0



TE Part # 1969613-2  
2P PM PLUG VAL-U-LOK V0



TE Part # 2029097-2  
2P RCPT VAL-U-LOK V2 BLUE



TE Part # 1586588-2  
2P VAL-U-LOK BMI VRT HDR V0

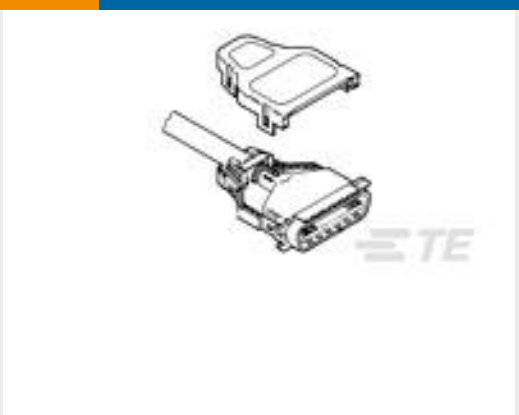


TE Part # 2029091-2  
2P RCPT VAL-U-LOK V2 RED

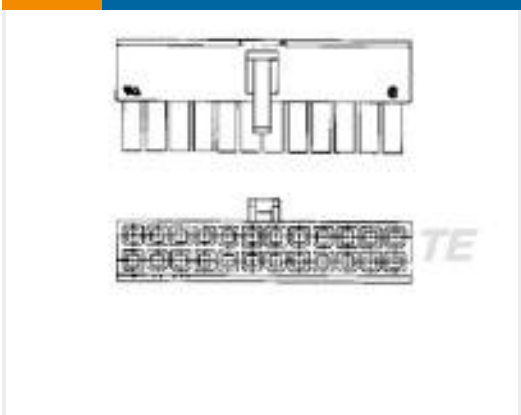


TE Part # 5794172-2  
AMP DUAC/PL 04P HDR ASSY RA

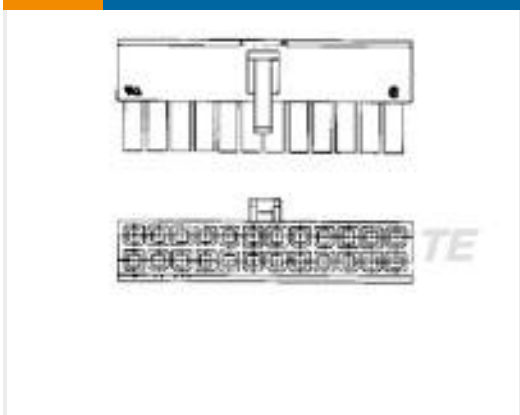
Customers Also Bought



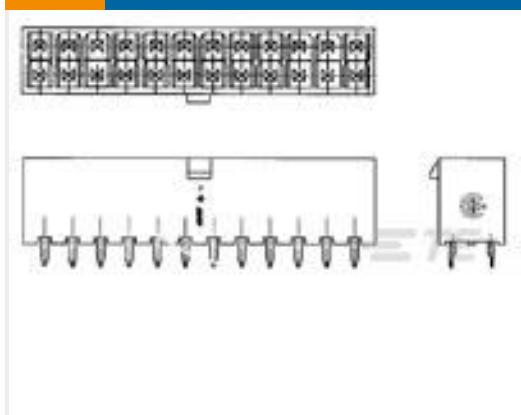
TE Part #554950-2  
PLUG KIT,36 POSN,BAIL LK,SHLD



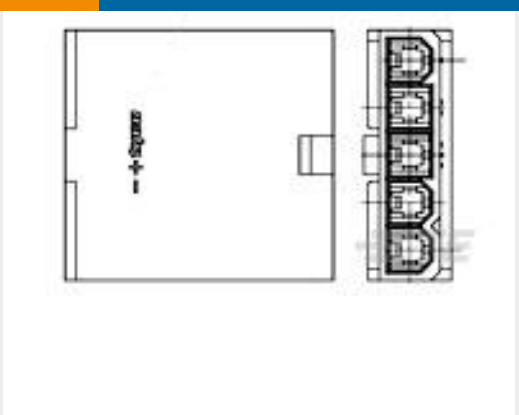
TE Part #1586019-8  
8P RCPT VAL-U-LOK V0



TE Part #1-1586019-4  
14P RCPT VAL-U-LOK V0



TE Part #1586038-2  
2P VRT HDR VAL-U-LOK V0



TE Part #1586104-3  
3P PLUG VAL-U-LOK SR FH V0



TE Part #42239-4  
205 FASTON REC 18-14 AWG PHBZ



TE Part #6-1423008-8  
T92S7D2X-24-99



TE Part #356623-1  
CAM, SA ADAPTER



Documents

Product Drawings

2P RCPT VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1586019-2\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586019-2\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586019-2\_C.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

Product Environmental Compliance

MD\_1586019-2\_06122018952\_dmtec

English

MD\_1586019-2\_06122018952\_dmtec

English

Agency Approvals

UL Report

English