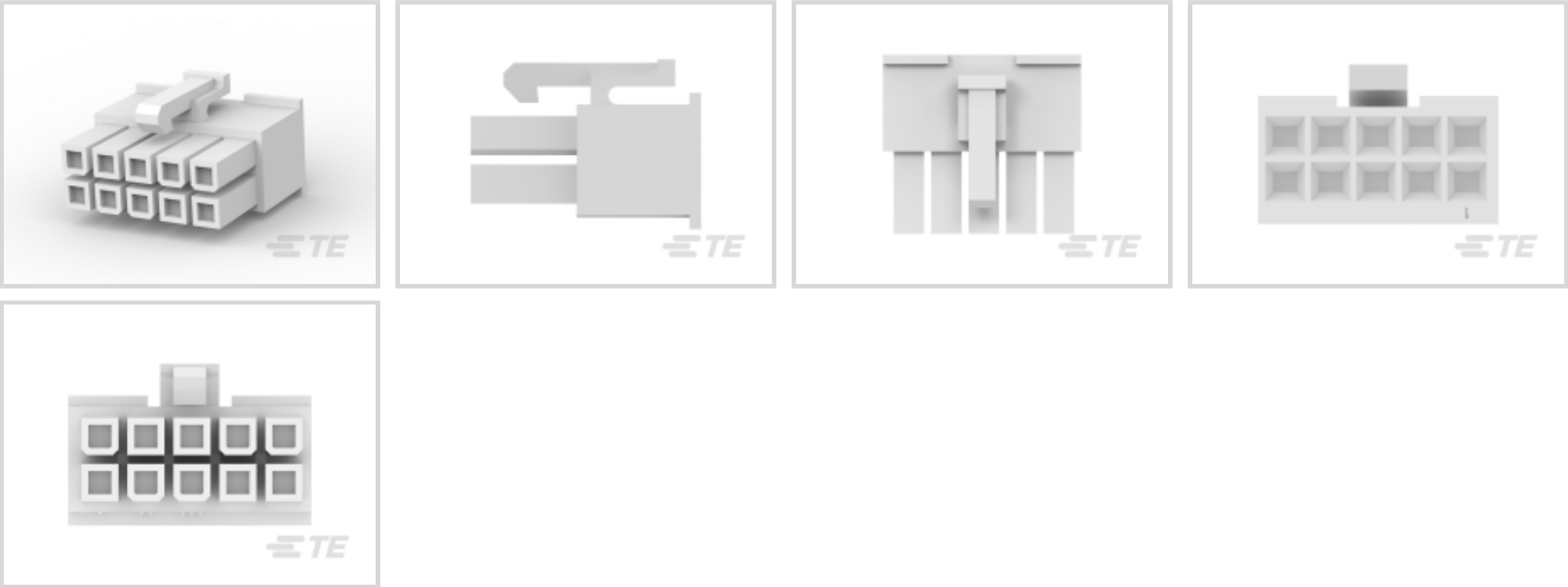




Connectors > Rectangular Connectors > Standard Rectangular Connectors



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

|                     |           |
|---------------------|-----------|
| Insertion Force     | 15 Newton |
| Number of Positions | 10        |
| Number of Rows      | 2         |

Electrical Characteristics

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

Body Features

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

Contact Features

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



|                                  |            |
|----------------------------------|------------|
| Multiple Contact Types           | With       |
| 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   | Nylon           |
| 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                     | 22.2 mm[.874 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   | UL                            |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-0                      |

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)<br>Candidate List Declared Against: JAN 2025 (247)<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 # 1-1586018-0  
10P PM PLUG VAL-U-LOK V0



TE Part # 1-1586040-0  
10P VAL-U-LOK VRT HDR W/P V0



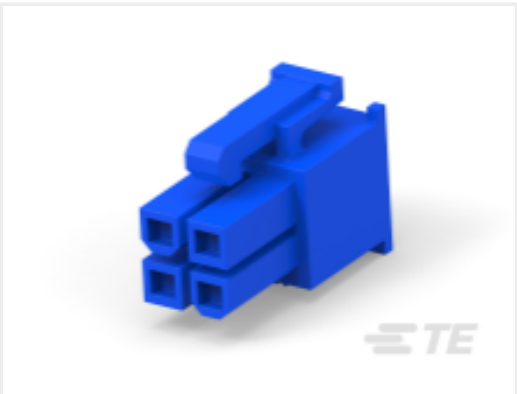
TE Part # 1-1586038-0  
10P VRT HDR VAL-U-LOK V0



TE Part # 1-1586042-0  
10P VAL-U-LOK R/A HDR V0







TE Part # 2029100-4  
4P RCPT VAL-U-LOK V0 BLUE



TE Part # 1-1586017-0  
10P FH PLUG VAL-U-LOK V0



TE Part # 1-1586044-0  
10P VAL-U-LOK R/A HDR SCRMT V0



TE Part # 1-1969612-0  
10P FH PLUG VAL-U-LOK V0

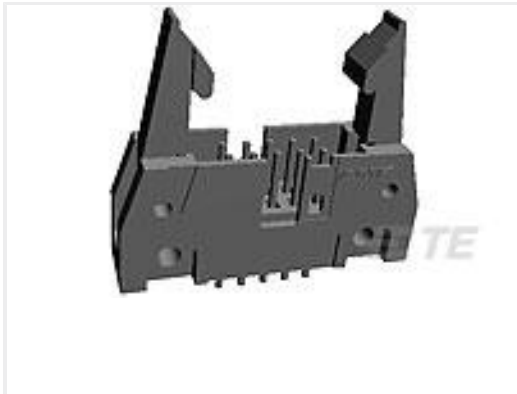
Customers Also Bought



TE Part #1658622-5  
24 NOVO MIL/CTR 30DP, LEAD FREE



TE Part #1393118-3  
KUP-14A55-240=KU



TE Part #5499910-5  
A/L UNIV HDR 24P VERT SHT LAT



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



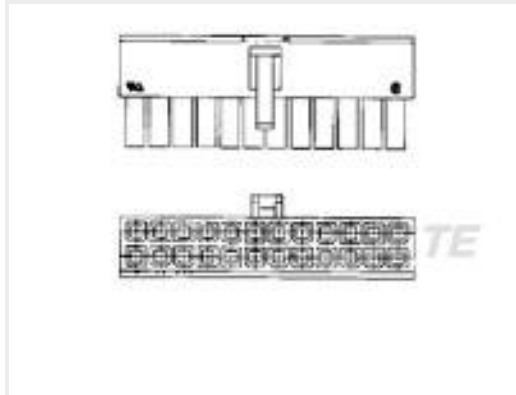
TE Part #F77529-000  
WP-381191-5-9



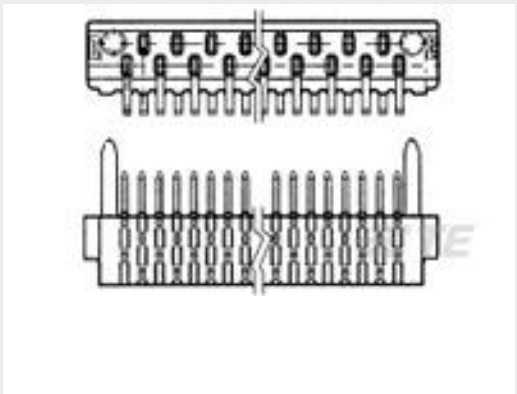
TE Part #54315-1  
MTG ADAPTER, POWER LOCK, SRS 1



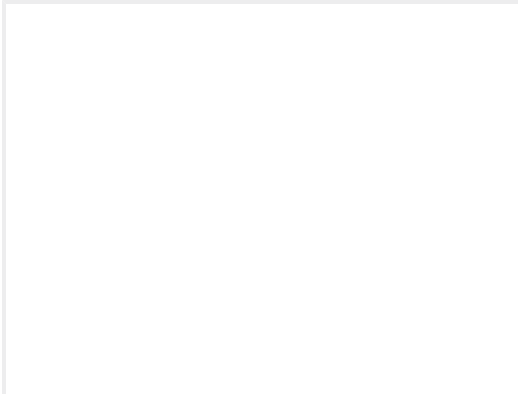
TE Part #350981-2  
RING 18-14 AWG PTPBR



TE Part #1-1586019-8  
18P RCPT VAL-U-LOK V0



TE Part #1-582843-2  
41 AMP BLADE HDR ASSY/MIL



TE Part #8-1618412-9  
KC-28/S7=RELAY, PRESSURIZED

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1586019-0\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1586019-0\_C.3d\_igs.zip

English



Customer View Model

[ENG\\_CVM\\_CVM\\_1-1586019-0\\_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](#)

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Agency Approvals

[UL Report](#)

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