



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Wire**

Number of Positions: **5**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Identification Marking

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

Dimensions

| | |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 1.2 – 3.1 mm[.047 – .122 in] |
| Product Width | 19.8 mm[.779 in] |
| Product Length | 22.2 mm[.874 in] |
| Connector Height | 7.5 mm[.295 in] |

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 1000 |
| Packaging Method | Bag & Box |

Contact Features

| | |
|----------------------------------|------------|
| Contact Layout | Inline |
| Contact Retention Within Housing | Without |
| Contact Type | Receptacle |

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 |

Configuration Features

| | |
|-----------------------------------|---------------|
| Insertion Force | 15 Newton |
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Positions | 5 |
| Number of Rows | 1 |

Product Type Features

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

Electrical Characteristics

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

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Color | Natural |
| Housing Material | Nylon 66 |

Usage Conditions

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

Operation/Application

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

Other



| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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 # 1586024-5
5P S/R FH PLUG VAL-U-LOK V2



TE Part # 1586023-5
5P S/R PM PLUG VAL-U-LOK V0

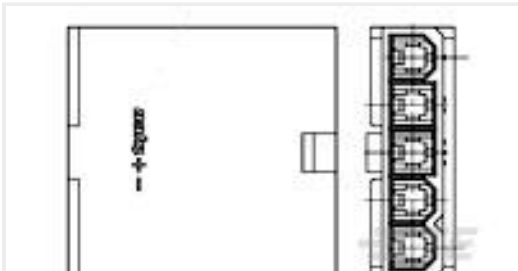


TE Part # 1586025-5
5P S/R FH PLUG VAL-U-LOK V0

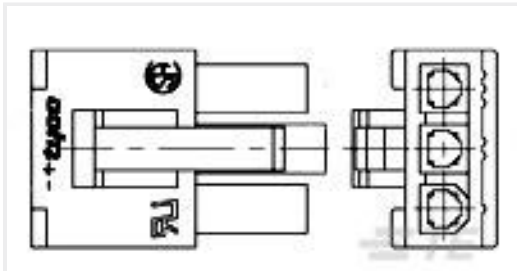
Customers Also Bought



TE Part #1743282-1
8POS MQS REC COD A



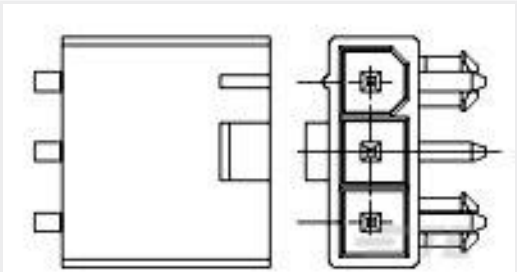
TE Part #1586024-5
5P S/R FH PLUG VAL-U-LOK V2



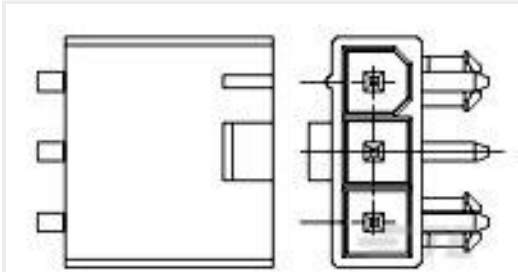
TE Part #1586106-3
3P RCPT VAL-U-LOK SR V0



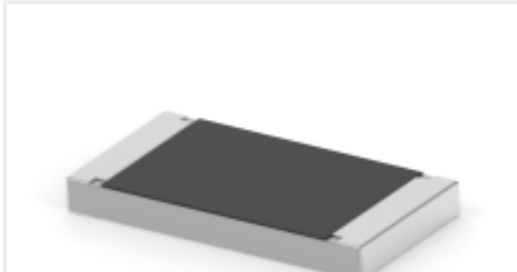
TE Part #163300-8
MATENLOK SOCKET



TE Part #2029150-4
4P R/A HDR VAL-U-LOK V2 W/P



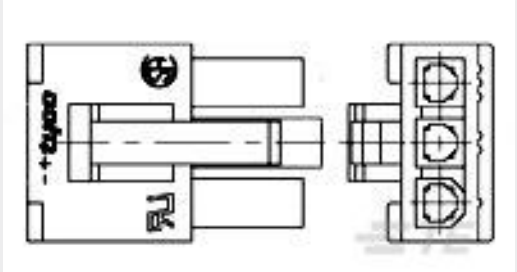
TE Part #2029150-5
5P R/A HDR VAL-U-LOK V2 W/P



TE Part #4-2176350-0
CRGCQ 2512 3M3 5%



TE Part #7-2176414-5
7W STD M/OX 5% 24K



TE Part #1586027-4
4P SR RCPT VAL-U-LOK V0



TE Part #1625960-8
HBA RE 33M 1% 100PPM

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1586027-5_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586027-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586027-5_D.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

VAL-U-LOK_SINGLE_ROW_HEADERS

English



Product Specifications

Application Specification

English

Agency Approvals

UL Report

English