



Connectors > Rectangular Connectors > Rectangular Connector Housings



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

Number of Positions: **5**

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

Number of Rows: **1**

Housing Material: **Nylon 6**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Connector System                  | Wire-to-Wire |
| Connector & Housing Type          | Plug         |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

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

Electrical Characteristics

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

Contact Features

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|



Mechanical Attachment

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

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Color      | White           |
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Material   | Nylon 6         |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 7.4 mm[.291 in]  |
| Product Width    | 22.2 mm[.874 in] |
| Product Length   | 23.8 mm[.937 in] |

Usage Conditions

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

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Identification Marking

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

Industry Standards

|                        |           |
|------------------------|-----------|
| CSA Rating             | 208567    |
| Glow Wire Rating       | Glow Wire |
| Agency/Standard        | CSA, UL   |
| Approved Standards     | UL E28476 |
| UL Flammability Rating | UL 94V-2  |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| 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: JUNE 2023 (235)  
Candidate List Declared Against: JUNE 2023 (235)  
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  |

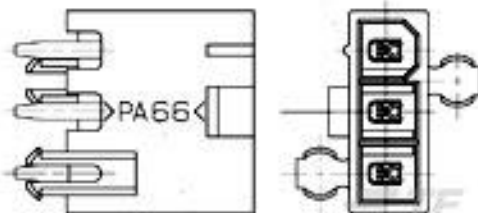
Product Compliance Disclaimer

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>

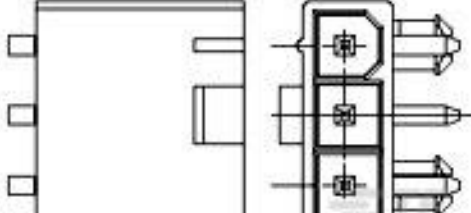
Compatible Parts




TE Part # 2029181-5  
5P VAL-U-LOK VRTHDR W/PGS GW



TE Part # 2029113-5  
5P VAL-U-LOK VRTHDR W/PGS GW




TE Part # 2029154-5  
5P R/A HDR VAL-U-LOK GW W/P




TE Part # 2348036-5  
5P SR RCPT VAL-U-LOK GW V0

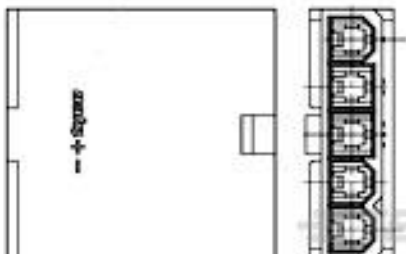
Customers Also Bought



TE Part #41580  
RING TERMINAL 24-20 AWG TPBR



TE Part #1586314-1  
VAL-U-LOK PIN BR TN 22-18 LP



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

Documents

Product Drawings  
5P PLUG SR VAL-U-LOK FH GW



English

**CAD Files**  
Customer View Model  
[ENG\\_CVM\\_2029180-5\\_A.3d\\_igs.zip](#)

English  
Customer View Model  
[ENG\\_CVM\\_2029180-5\\_A.3d\\_stp.zip](#)

English  
Customer View Model  
[ENG\\_CVM\\_2029180-5\\_A.2d\\_dxf.zip](#)

English  
**3D PDF**

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

**Instruction Sheets**  
[Instruction Sheet \(U.S.\)](#)

English

**Agency Approvals**  
[UL Report](#)

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