



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**  
Connector & Housing Type: **Plug**  
Connector System: **Wire-to-Panel, Wire-to-Wire**  
Number of Positions: **8**  
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

|                     |           |
|---------------------|-----------|
| Insertion Force     | 15 Newton |
| Number of Positions | 8         |
| Number of Rows      | 2         |

Contact Features

|              |        |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

Mechanical Attachment

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

Housing Features

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



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

Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 4.2 mm[.165 in] |
|--------------------|-----------------|

Usage Conditions

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

Operation/Application

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

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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Not reviewed 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 # 1586768-8  
8P VERT HDR VAL-U-LOK GW

TE Part # 1586863-8  
8P VAL-U-LOK R/A HDR GW

TE Part # 2029265-8  
8P VAL-U-LOK VRTHDR W/PGS GW

TE Part # 2296205-8  
8P RCPT VAL-U-LOK GWT/V0

TE Part # 2029059-8  
8P VAL-U-LOK VRTHDR W/PGS GW

TE Part # 1586765-8  
8P RCPT VAL-U-LOK GW

Customers Also Bought

TE Part #1969609-2  
2P VAL-U-LOK TPA 26-22 AWG

TE Part #5-1971776-4  
PTL 2X4 PLUG HSG HIGH TEMP KEY A LGR

TE Part #1971845-3  
3P, RAST 5 Tab Header, THV

TE Part #2238018-1  
VAL-U-LOK PIN BR SN 22-26AWG

TE Part #2296205-8  
8P RCPT VAL-U-LOK GWT/V0

TE Part #1-2296207-0  
10P PM PLUG VAL-U-LOK PM GWT/V0

TE Part #CAT-526SDL-SEALSE  
Connector Seals: 2.55 mm, Signal Double Lock

TE Part #2432643-4  
4P VAL-U-LOK TPA 26-22 AWG

TE Part #2432643-5  
5P VAL-U-LOK TPA 26-22 AWG

Documents



Product Drawings

8P PM PLUG VAL-U-LOK PM GWT/V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2296207-8\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2296207-8\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2296207-8\_A.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English