

2-1586765-0 ✓ ACTIVE

VAL-U-LOK

TE Internal #: 2-1586765-0

Rectangular Connector Housings, Wire-to-Wire / Wire-to-Board, 20 Position, .165 in [4.2 mm] Centerline, 2 Row, Polyamide, Receptacle, Socket

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Connectors > Rectangular Connectors > Rectangular Connector Housings



Connector System: **Wire-to-Board, Wire-to-Wire**

Number of Positions: **20**

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

Number of Rows: **2**

Housing Material: **Polyamide**

Features

Product Type Features

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

Configuration Features

| | |
|---------------------|-----------|
| Insertion Force | 15 Newton |
| Number of Positions | 20 |
| Number of Rows | 2 |

Electrical Characteristics

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

Contact Features

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

Mechanical Attachment



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

Housing Features

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

Dimensions

| | |
|--------------------|-------------------|
| Connector Height | 11.8 mm [.464 in] |
| Product Width | 20 mm [.787 in] |
| Product Length | 43.2 mm [1.7 in] |
| 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 |
|---------------------|-------|

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 Method | Bag/Box |
|------------------|---------|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)


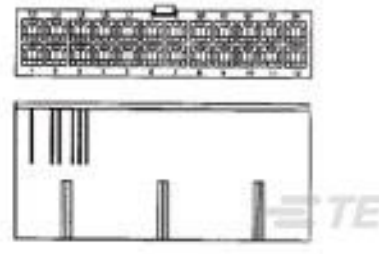
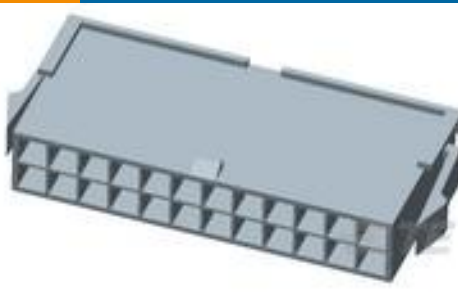
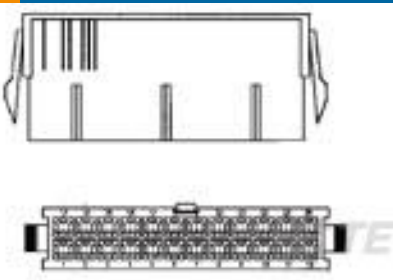
| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) 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

| | | | |
|--|--|--|--|
|  <p>TE Part # 2-2296206-0 20P FH PLUG VAL-U-LOK FH GWT/V0</p> |  <p>TE Part # 2-1586862-0 20P FH PLUG VAL-U-LOK FH GW</p> |  <p>TE Part # 2-2296207-0 20P PM PLUG VAL-U-LOK PM GWT/V0</p> |  <p>TE Part # 2-1586861-0 20P PM PLUG VAL-U-LOK PM GW</p> |
|--|--|--|--|

Customers Also Bought

| | | | |
|---|---|--|---|
|  <p>TE Part #W6S WEDGE LOCK, 6P, PLG, ORG, STD, DT</p> |  <p>TE Part #350537-1 UMNL SOK 20-14 .0126 PTPBR</p> |  <p>TE Part #1879026-4 YR1 0.1% 10R</p> |  <p>TE Part #1586343-1 VAL-U-LOK EXTRACTION TOOL</p> |
|---|---|--|---|

Documents

Product Drawings
20P RCPT VAL-U-LOK GW

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2-1586765-0_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586765-0_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1586765-0_D.3d_stp.zip](#)

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

Agency Approvals

[UL Report](#)

English