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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------------|----------|
| Number of Positions | 2 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 2 |
| Number of Rows | 2 |

Electrical Characteristics

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

Contact Features

| | |
|------------------------|------|
| Multiple Contact Types | With |
|------------------------|------|



| | |
|---|---------|
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| Contact Current Rating (Max) | 9 A |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Tin |

Termination Features

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|---|-----------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|-------------|
| Mating Alignment Type | Keyed |
| Mating Retention | With |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention Type | Latch |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions

| | |
|--------------------------------------|------------------------------|
| Connector Height | 12.8 mm[.504 in] |
| PCB Thickness (Recommended) | .7 mm[.178 in] |
| Product Width | 9.75 mm[.384 in] |
| Product Length | 5.4 mm[.213 in] |
| Compatible Insulation Diameter Range | 1.2 - 3.1 mm[.047 - .122 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 |
|---------------------|-------|

Identification Marking

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

Industry Standards

| | |
|---|---------------------------|
| CSA Rating | 208567 |
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | CSA, UL |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

Packaging Features

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|------------------|------------------|
| Packaging Method | Box & Tray, Tray |
|------------------|------------------|

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

Product Compliance Disclaimer


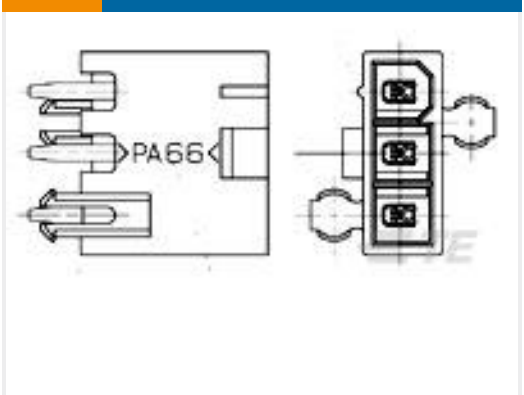
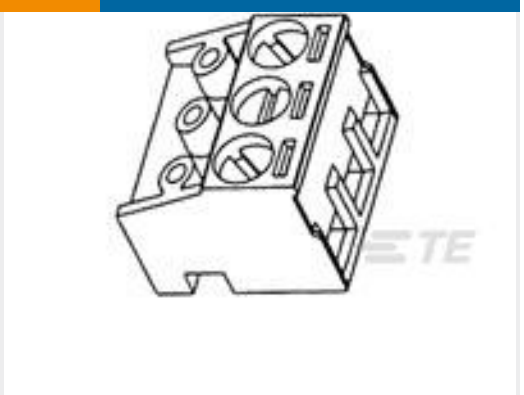






This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1586861-2 2P PM PLUG VAL-U-LOK PM GW</p> |  <p>TE Part # 2296206-2 2P FH PLUG VAL-U-LOK FH GWT/V0</p> |  <p>TE Part # 1586862-2 2P FH PLUG VAL-U-LOK FH GW</p> |  <p>TE Part # 2296207-2 2P PM PLUG VAL-U-LOK PM GWT/V0</p> |
|---|--|---|---|

Customers Also Bought

| | | | |
|--|---|---|--|
|  <p>TE Part # 3-1419108-5 RTD34012</p> |  <p>TE Part # 2029181-5 5P VAL-U-LOK VRTHDR W/PGS GW</p> |  <p>TE Part # 1546018-3 3 POS TERMI-BLOK PLUG 90 &180</p> |  <p>TE Part # 2-2071448-5 ORWH-SS-124DF,000</p> |
|  <p>TE Part # NB20034001 VERSAFIT-1/4-0-SP</p> |  <p>TE Part # 1-1721260-1 OJ-SH-112LMH2</p> |  <p>TE Part # 1744397-5 05P MTA156 HDR ASSY POL W/O#1</p> |  <p>TE Part # 3-647068-5 05P MTA156 HDR ASSY W/O#5 SN</p> |
|  <p>TE Part # 7-1437565-1 FSM91504F=TACT SWITCH SPECIAL</p> | | | |

Documents

Product Drawings
2P VAL-U-LOK VRTHDR W/PGS GW
English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_2029265-2_D_c-2029265-2-d.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029265-2_D_c-2029265-2-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029265-2_D_c-2029265-2-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

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English