1586039-4 ACTIVE

VAL-U-LOK

TE Internal #: 1586039-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-2

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Header

Connector & Housing Type: Plug
Connector System: Wire-to-Board

Number of Positions: 4

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 | 4 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 4 |
| Number of Rows | 2 |
| Electrical Characteristics | |
| Operating Voltage | 600 VAC |
| Contact Features | |

Inline

Contact Layout



| 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 |
| Contact Mating Area Plating Material Thickness | 2.03 – 5.08 μm[80 – 200 μin] |
| Termination Features | |
| 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 | |
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Color | Natural |
| Housing Material | PA 66 |
| Dimensions | |
| Connector Height | 12.8 mm[.504 in] |
| PCB Thickness (Recommended) | .06 mm[1.6 in] |
| Product Width | 9.8 mm[.386 in] |
| Product Length | 9.6 mm[.378 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 |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-2 |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| Packaging Features | |
| Packaging Quantity | 375 |
| 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: 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 | Wave solder capable to 265°C |

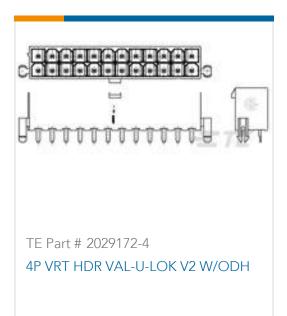
Product Compliance Disclaimer

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









Customers Also Bought



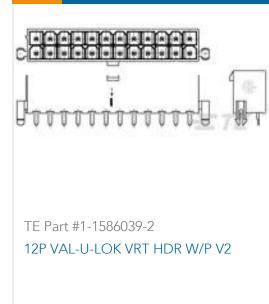


















Documents

Product Drawings
4P VAL-U-LOK VRT HDR W/P V2

English



CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1586039-4_B.3d_stp.zip

English

Customer View Model

ENG_CVM_1586039-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_1586039-4_B.3d_igs.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

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_1586039-4_061220181015_dmtec

English

MD_1586039-4_061220181015_dmtec

English

Agency Approvals

UL Report

English