



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

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

Electrical Characteristics



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

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Contact Underplating Material                           | Nickel           |
| Contact Underplating Material Thickness                 | .762 μm[30 μin]  |
| Contact Mating Area Plating Material Thickness          | 2.032 μm[80 μin] |
| PCB Contact Termination Area Plating Material Thickness | 2.032 μm[80 μin] |
| Contact Layout                                          | Matrix           |
| Contact Base Material                                   | Brass Alloy      |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Mating Area Plating Material                    | Tin (Sn)         |
| Contact Type                                            | Tab              |
| Contact Current Rating (Max)                            | 9 A              |

Termination Features

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

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Mating Retention Type   | Locking Tab |
| Mating Retention        | With        |
| Mating Alignment Type   | Keyed       |
| PCB Mount Retention     | Without     |
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | With        |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Nylon 66        |
| Centerline (Pitch) | 4.2 mm[.165 in] |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 4.2 mm[.165 in]  |
| Connector Width             | 9.75 mm[.384 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in]  |



|                  |                  |
|------------------|------------------|
| Connector Height | 12.8 mm[.504 in] |
| Connector Length | 5.4 mm[.213 in]  |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                       |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-0                      |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1050 |
| Packaging Method   | 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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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

TE Part # 1586019-2  
2P RCPT VAL-U-LOK V0

TE Part # 1969613-2  
2P PM PLUG VAL-U-LOK V0

TE Part # 1969612-2  
2P FH PLUG VAL-U-LOK V0

Customers Also Bought

TE Part #1-1623782-3  
SQM5 47K 5% (METAL FILM)

TE Part #1-2351885-4  
14POS TB HDR 180 DEG, PITCH 5.0 &TL 4.5mm

TE Part #5353928-1  
Std USB Type A, R/A, SMT, Offset, Panel

TE Part #1586044-2  
2P VAL-U-LOK R/A HDR SCR MT V0

TE Part #1-1622820-7  
3520 1M 5%

TE Part #5-147279-9  
16 MODII HDR DR SFMT B/A T&R L

TE Part #5179029-3  
0.8FH,P06H.5,080,08/Sn,TU

TE Part #641831-1  
06P UMNL PIN HDR ASSY 94VO

TE Part #1586038-4  
4P VRT HDR VAL-U-LOK V0

TE Part #BAT-HLD-012-SMT-TR  
Battery Holder 1216 1225 SMT T&R Pack

Documents



Product Drawings

2P VRT HDR VAL-U-LOK V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1586038-2\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586038-2\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1586038-2\_C.3d\_stp.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

Application Specification

English

Agency Approvals

UL Report

English

UL Report

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