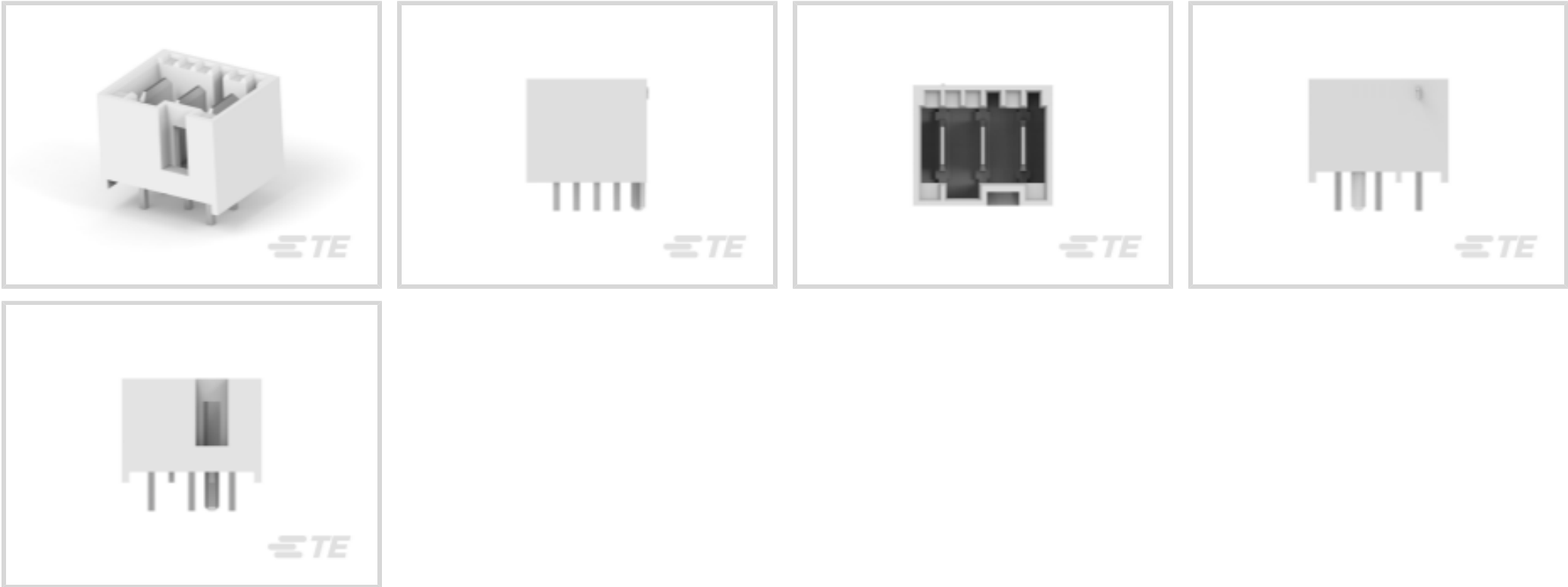




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

Features

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Dimensions

|                  |                 |
|------------------|-----------------|
| Connector Width  | 14.9 mm[.58 in] |
| Connector Height | 12.8 mm[.5 in]  |
| Connector Length | 17.3 mm[.68 in] |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 108       |
| Packaging Method   | Tube, Box |

Industry Standards

|                                             |           |
|---------------------------------------------|-----------|
| Compatible With Agency/Standards Products   | UL, VDE   |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating                      | UL 94V-0  |

Mechanical Attachment

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



|                          |                 |
|--------------------------|-----------------|
| Mating Retention Type    | Latch           |
| Mating Retention         | With            |
| Mating Alignment Type    | Polarization    |
| PCB Mount Alignment Type | Polarizing Pegs |
| PCB Mount Retention      | Without         |
| PCB Mount Alignment      | With            |
| Connector Mounting Type  | Board Mount     |
| Mating Alignment         | With            |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 3.5 mm[.13 in]        |
| Square Termination Post & Tail Dimension | .8 mm[.032 in]        |
| Termination Method to PCB                | Through Hole - Solder |

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Underplating Material                           | Nickel          |
| Contact Underplating Material Thickness                 | 1.27 μm[50 μin] |
| PCB Contact Termination Area Plating Material Finish    | Matte           |
| Contact Mating Area Plating Material Thickness          | 2 μm[78.74 μin] |
| Mating Tab Width                                        | 6.3 mm[.248 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 μm[78.74 μin] |
| Contact Shape & Form                                    | Rectangular     |
| Contact Layout                                          | Inline          |
| Contact Base Material                                   | Copper Alloy    |
| Mating Tab Thickness                                    | .8 mm[.032 in]  |
| PCB Contact Termination Area Plating Material           | Tin             |
| Contact Mating Area Plating Material Finish             | Matte           |
| Contact Mating Area Plating Material                    | Tin             |
| Contact Type                                            | Tab             |
| Contact Current Rating (Max)                            | 16 A            |

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | Nylon         |
| Centerline (Pitch) | 5 mm[.197 in] |

Configuration Features

|                   |   |
|-------------------|---|
| Number of Columns | 3 |
|-------------------|---|



|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 3        |
| Number of Rows        | 1        |

Product Type Features

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

Body Features

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

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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                                                                                      |

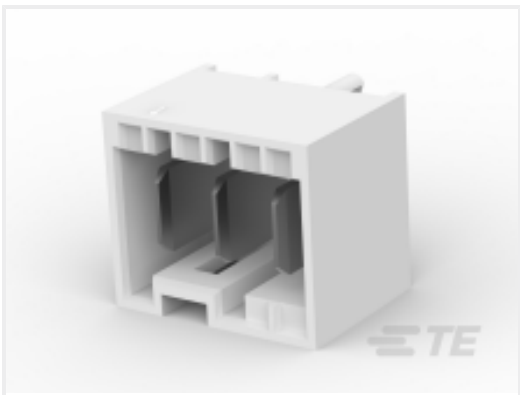
Product Compliance Disclaimer



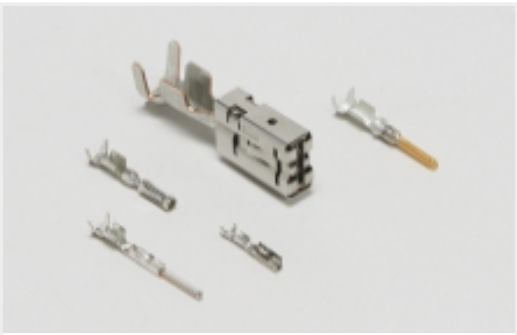


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

|                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                                   |                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 3-1971895-3<br/>3P, RAST 5 Tab Header, THV</p>  |  <p>TE Part # 8-1971845-3<br/>3P, RAST 5 Tab Header, THV</p>  |  <p>TE Part # 2-1971845-3<br/>3P, RAST 5 Tab Header, THV</p>  |  <p>TE Part # 1-1971845-3<br/>3P, RAST 5 Tab Header, THV</p>  |
|  <p>TE Part # 6-1971845-3<br/>3P, RAST 5 Tab Header, THV</p> |  <p>TE Part # 3-1971845-3<br/>3P, RAST 5 Tab Header, THV</p> |  <p>TE Part # 7-1971845-3<br/>3P, RAST 5 Tab Header, THV</p> |  <p>TE Part # 5-1971845-3<br/>3P, RAST 5 Tab Header, THV</p> |
|  <p>TE Part # 4-1971895-3<br/>3P, RAST 5 Tab Header, THV</p> |  <p>TE Part # 4-1971845-3<br/>3P, RAST 5 Tab Header, THV</p> |                                                                                                                                                   |                                                                                                                                                   |

Also in the Series | RAST 5 IDC Connectors



Automotive Terminals(8)



Connector Contacts(14)



Power Contacts(5)



Rectangular Connector Housings(1)



Standard Edge Connectors(31)



Standard Rectangular Connectors(63)

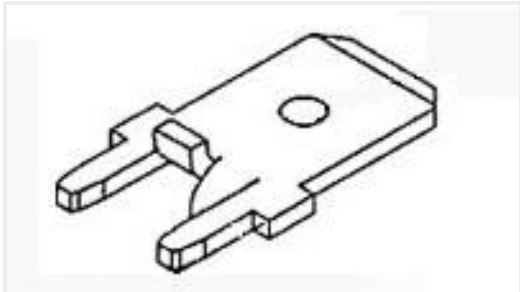
Customers Also Bought



TE Part #1-2176070-3  
3521 33R 1% 2W



TE Part #1-338068-6  
MICRO-MATCH FTE,16P



TE Part #1217861-1  
250 FASTON,PCB TAB,TCBR



TE Part #1971845-4  
4P, RAST 5 Tab Header, THV



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



TE Part #1623243-1  
CRG0805 1% 510R



TE Part #3-1971845-2  
2P, RAST 5 Tab Header, THV

Documents

Product Drawings  
3P, RAST 5 Tab Header, THV  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_9-1971845-3\_B\_c-9-1971845-3-b.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1971845-3\\_B\\_c-9-1971845-3-b.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1971845-3\\_B\\_c-9-1971845-3-b.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[RAST Connector System Catalog](#)

English

[7-1773465-5 RAST5.0 Flyer](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English

[VDE Certificate](#)

English