



TE Internal #: 1-2390868-2  
PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Sealable, Power, Natural  
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Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**  
Number of Positions: **2**  
Number of Rows: **1**  
Centerline (Pitch): **5 mm [.197 in]**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | Yes                   |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type       | PCB Mount Header      |

Configuration Features

|                                 |          |
|---------------------------------|----------|
| Keying & Polarized Rib Location | 1c       |
| Number of Columns               | 2        |
| Number of Positions             | 2        |
| Number of Rows                  | 1        |
| PCB Mount Orientation           | Vertical |

Electrical Characteristics

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

Body Features

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



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

Contact Features

|                                                         |                   |
|---------------------------------------------------------|-------------------|
| PCB Contact Termination Area Plating Material Thickness | 3.8 µm[149.6 µin] |
| Contact Layout                                          | Inline, Staggered |
| Mating Tab Width                                        | 6.3 mm[.248 in]   |
| Mating Tab Thickness                                    | .8 mm[.032 in]    |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]   |
| Contact Mating Area Plating Material Thickness          | 3.8 µm[149.6 µin] |
| PCB Contact Termination Area Plating Material Finish    | Matte             |
| Contact Shape & Form                                    | Rectangular       |
| Contact Mating Area Plating Material Finish             | Matte             |
| Contact Underplating Material                           | Nickel            |
| PCB Contact Termination Area Plating Material           | Tin               |
| Contact Base Material                                   | Copper Alloy      |
| Contact Mating Area Plating Material                    | Tin               |
| Contact Type                                            | Tab               |
| Contact Current Rating (Max)                            | 16 A              |

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | 16 mm                 |
| Square Termination Post & Tail Dimension      | .8 mm[.032 in]        |
| Termination Post & Tail Length                | .8 mm[.032 in]        |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | Locating Posts |
| Mating Retention         | With           |
| Mating Retention Type    | Latch          |
| Connector Mounting Type  | Board Mount    |
| Mating Alignment         | With           |
| PCB Mount Retention      | Without        |

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | Nylon 66      |
| Centerline (Pitch) | 5 mm[.197 in] |



Dimensions

|                         |                  |
|-------------------------|------------------|
| Connector Length        | 12.3 mm[.48 in]  |
| Connector Height        | 12.8 mm[.503 in] |
| Connector Width         | 5 mm[.197 in]    |
| Profile Height from PCB | .58 mm[12.3 in]  |
| Row-to-Row Spacing      | 5 mm[14.9 in]    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | Standard                   |
|                             | 5 °F                       |
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |

Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application    | Power          |

Industry Standards

|                        |           |
|------------------------|-----------|
| Glow Wire Rating       | Glow Wire |
| UL Flammability Rating | UL 94V-0  |

Packaging Features

|                  |     |
|------------------|-----|
| Packaging Method | Bag |
|------------------|-----|

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 521204-7

RAST 5,HSG,2P,POSILOCK MKIII

TE Part # 1-521204-7

HSG, POS LOCK, .250 SERIES, 2 POSITION

Documents

Product Drawings

2P, RAST 5 HEADER, PL, SHROUDED

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-2390868-2\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2390868-2\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2390868-2\_A.2d\_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

RAST Connector System Catalog

English



Product Specifications

Product Specification

English