



RAST

TE Internal #: 3-2232511-7  
PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 5 mm [.196 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural

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Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**  
Number of Positions: **7**  
Number of Rows: **1**  
Centerline (Pitch): **5 mm [.196 in]**  
PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Columns     | 7        |
| Number of Positions   | 7        |
| 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 | 2 µm[78.74 µin]       |
| Contact Layout                                          | Inline                |
| 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          | 2 µm[78.74 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                                    |                       |
| Square Termination Post & Tail Dimension                | .8 mm[.032 in]        |
| Termination Method to PCB                               | Through Hole - Solder |
| Mechanical Attachment                                   |                       |
| PCB Mount Alignment Type                                | Guide Pin             |
| Mating Alignment Type                                   | Keyed, Polarization   |
| Mating Retention                                        | With                  |
| Connector Mounting Type                                 | Board Mount           |
| Mating Alignment                                        | With                  |
| PCB Mount Alignment                                     | With                  |
| PCB Mount Retention                                     | Without               |
| Housing Features                                        |                       |
| Housing Material                                        | Nylon                 |
| Centerline (Pitch)                                      | 5 mm[.196 in]         |
| Dimensions                                              |                       |
| Connector Length                                        | 37.3 mm[1.47 in]      |



|                  |                  |
|------------------|------------------|
| Connector Height | 12.8 mm[.503 in] |
| Connector Width  | 14.9 mm[.58 in]  |

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 100         |
| Packaging Method   | Loose Piece |

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

TE Part # 1-2232043-7  
7P, RAST 5 Tab Header, THV

TE Part # 1-2232511-7  
7P, RAST 5 TAB HEADER, THV

TE Part # 2-2232043-7  
7P, RAST 5 Tab Header, THV

TE Part # 2-2232511-7  
7P, RAST 5 TAB HEADER, THV

TE Part # 2232511-7  
7P, RAST 5 TAB HEADER, THV

TE Part # 2328608-7  
7P, RAST 5 TAB HEADER, THV,  
SHORT PEG

TE Part # 4-2232043-7  
7P, RAST 5 Tab Header, THV

TE Part # 5-2232043-7  
7P, RAST 5 Tab Header, THV

TE Part # 7-2232043-7  
7P, RAST 5 Tab Header, THV

TE Part # 9-2232043-7  
7P, RAST 5 Tab Header, THV

Customers Also Bought

TE Part #2-2013289-1  
EMBOSS TAPE DDR3 204P 5.2H STD

TE Part #5650963-5  
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part #170224-2  
250 FASTON,REC.,16-10 AWG,BR

TE Part #175150-2  
AMP UNIVE. POWER CONN TAB  
CONT



TE Part #179970-1  
250 HSG. PL EX REC.

TE Part #2232343-1  
250 PL EX FLAG REC. 18-12AWG PTBR

TE Part #1939870-1  
SD CARD CONNECTOR EMBOSS ASSY

TE Part #1742539-3  
CLUSTER BLOCK RECEPT,TPCuFeP

TE Part #1-2071223-7  
T92S7D12-12-00

Documents

Product Drawings

7P, RAST 5 TAB HEADER, THV

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-2232511-7\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2232511-7\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2232511-7\_C.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

Product Specifications

Product Specification

English