# 2232511-4 ! PRELIMINARY

RAST | RAST 5 IDC Connectors

TE Internal #: 2232511-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), RAST 5 IDC Connectors

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Centerline (Pitch): **5 mm [ .197 in ]**

## Features

### Product Type Features

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

| | |
|---|---|
| Keying & Polarized Position Locations | 4D |
| PCB Mount Orientation | Vertical |
| Number of Positions | 4 |
| Number of Rows | 1 |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Mating Tab Width | 6.3 mm, 6.35 mm[.248 in][.25 in] |

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | .381 µm[149.6 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Base Material | Copper Alloy |
| Mating Tab Thickness | .8 mm, .81 mm[.031 in][.032 in] |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 2 µm[3.15 µin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 16 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

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

## Mechanical Attachment

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

## Housing Features

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

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 5 mm[.197 in] |
| PCB Thickness (Recommended) | 1.5 mm[.06 in] |
| Connector Height | 12.8 mm[.5 in] |
| Connector Length | 12.8 mm[.5 in] |

## Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 81 |
| 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 2025 (250)<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 |

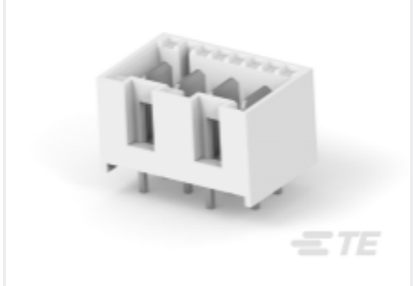
Product Compliance Disclaimer

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

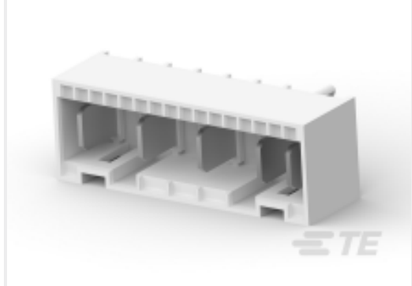
## Compatible Parts



TE Part # 2232046-2
2P, RAST 5 Tab Header, THV



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



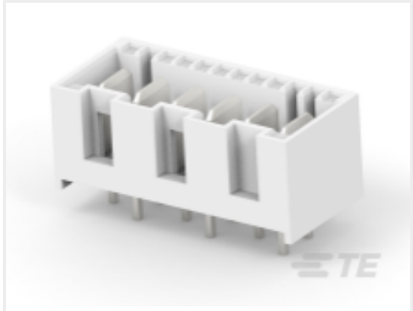
TE Part # 2232511-8
8P, RAST 5 Tab Header, THV



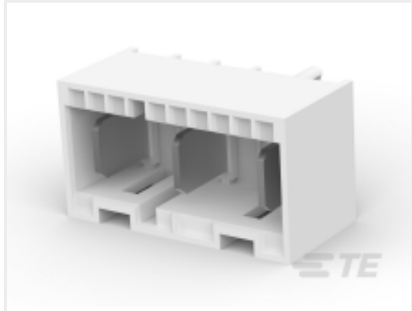
TE Part # 2232045-2
2P, RAST 5 Tab Header, THV



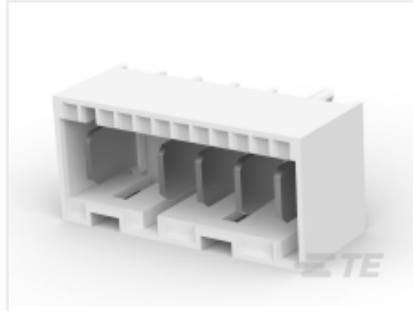
TE Part # 2232045-3
3P, RAST 5 Tab Header, THV



TE Part # 2232046-6
6P, RAST 5 Tab Header, THV



TE Part # 2232511-5
3P, RAST 5 TAB HEADER, THV



TE Part # 2232511-6
6P, RAST 5 Tab Header, THV



TE Part # 2232045-4
4P, RAST 5 Tab Header, THV



TE Part # 2232511-3
3P, RAST 5 TAB HEADER, THV

## Also in the Series | RAST 5 IDC Connectors



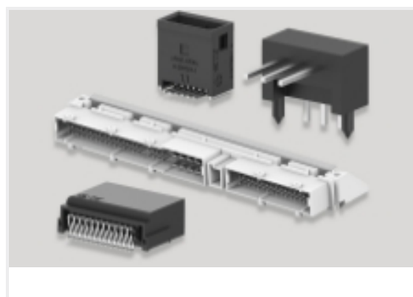
Card Edge Connector Housings(19)



Crimp Terminal Housings(39)



Insertion & Extraction Tools(1)



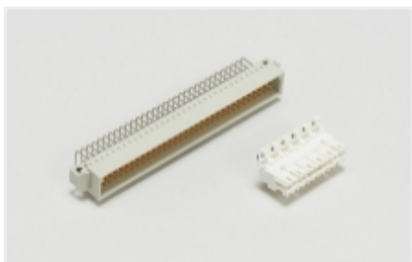
PCB Headers & Receptacles(418)



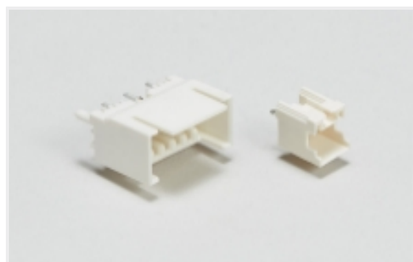
Power Contacts(3)



Rectangular Power Connectors(658)

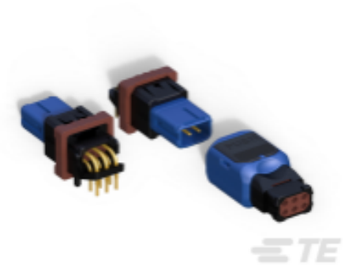


Standard Edge Connectors(31)

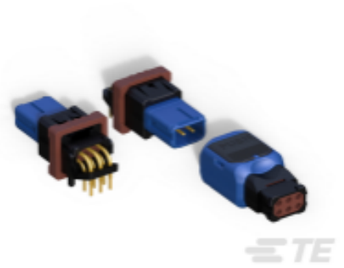


Wire-to-Board Headers & Receptacles (418)

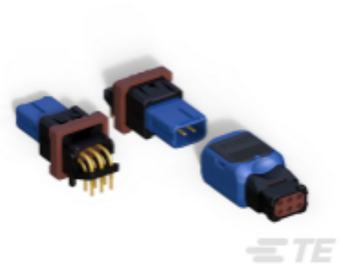
## Customers Also Bought



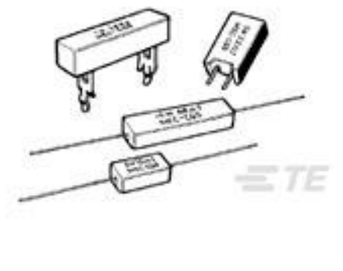
TE Part #YD369-B99-AP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



TE Part #YD369-B99-NS400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,SKT



TE Part #YD369-B99-NP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



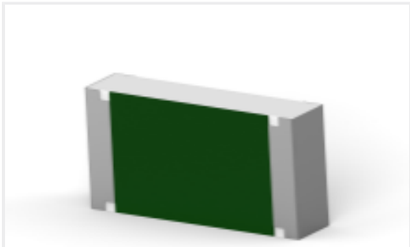
TE Part #2-1623795-3
SQP2 R047 5% WIRE



TE Part #1-1630019-4
HSC200 2K4 5%



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP KEY A LGR



TE Part #9-2176397-4
3502 7K5 1%



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

## Documents

### Product Drawings

3P, RAST 5 TAB HEADER, THV

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2232511-4_A_c-2232511-4-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2232511-4_A_c-2232511-4-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2232511-4_A_c-2232511-4-a.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

## Agency Approvals

### UL Report

English

### UL Report

English