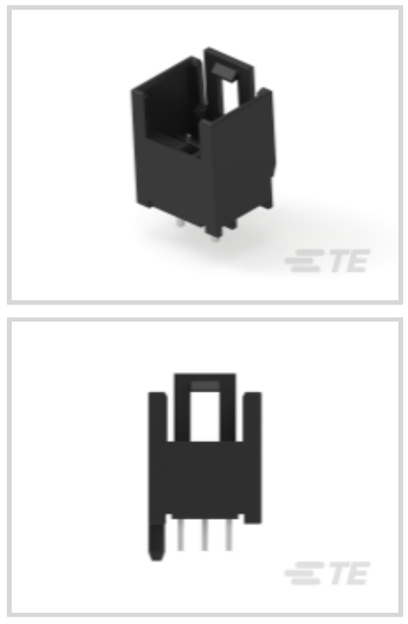
# 8-2232960-3 ✔ ACTIVE

TE Internal #: 8-2232960-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Signal, Natural

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: **3**

Centerline (Pitch): **2.5 mm [ .098 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

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 VAC |

### Body Features

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

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Mating Tab Width | 1.5 mm[.059 in] |
| PCB Contact Termination Area Plating Material Thickness | .381 µm[149.6 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline, Staggered |
| Contact Base Material | Copper Alloy |
| Mating Tab Thickness | .6 mm[.024 in] |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 1.27 µm[50.8 µin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 2 A |

## Termination Features

| | |
|---|---|
| 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) | 2.5 mm[.098 in] |
| Housing Material | PA 66 GF |

## Dimensions

| | |
|---|---|
| Connector Height | 15.5 mm[.61 in] |
| Connector Length | 10.1 mm[.39 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Method | Box, Carton |

## Product Compliance

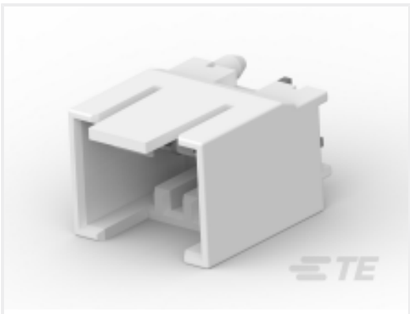
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) 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

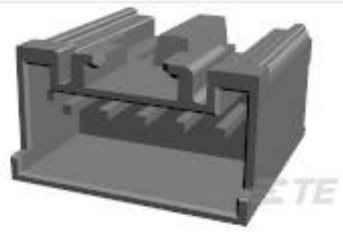
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

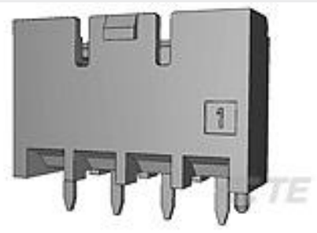


TE Part # 1-1971817-3
3P,RAST 2.5 Tab Header,Ex- Locking, THV

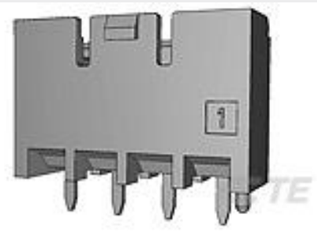
## Customers Also Bought



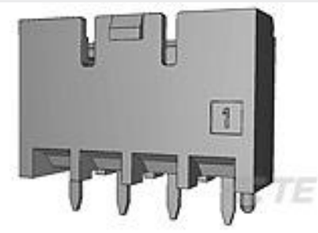
TE Part #917725-1
2.5 SIGNAL D/LOCK HDR ASSY 5P



TE Part #1-1376382-2
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #2-1376382-3
5mm B-T-W Conn. 2P HDR ASSEMBL



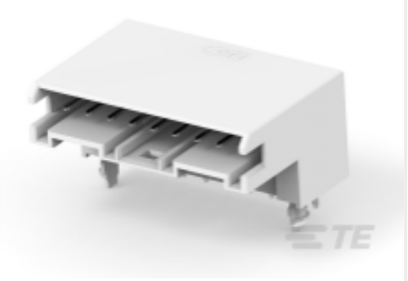
TE Part #1376385-1
5mm B-T-W Conn. 6P HDR ASSEMBL



TE Part #1747996-1
GHC EYELET 12.4 2POS HEADER ASSY NATURAL



TE Part #2368182-7
RA SMC2.5 Potting header_7P



TE Part #2368182-9
RA SMC2.5 Potting header_9P

TE Part #1-2452953-3
3P POTTED RAST 2.5 HEADER

TE Part #1-2452953-5
5P POTTED RAST 2.5 HEADER

TE Part #2-2452953-4
4P POTTED RAST 2.5 HEADER

## Documents

### Product Drawings

3P POTTED RAST 2.5 HEADER

English

3P POTTED RAST 2.5 HEADER

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-2232960-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-2232960-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-2232960-3_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