# 5-1376492-6 ✔ ACTIVE

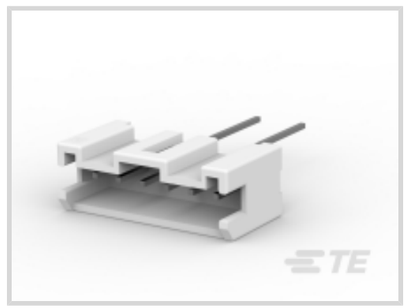
AMP Signal Double Lock

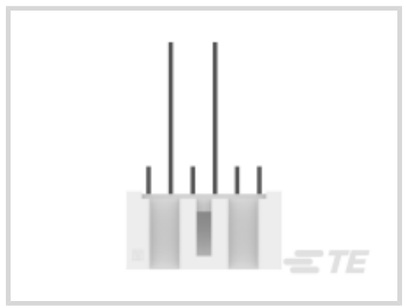
TE Internal #: 5-1376492-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), AMP Signal Double Lock

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: **6**

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 | 6 |
| Number of Rows | 1 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 VDC |

### Body Features

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

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Copper |
| Contact Underplating Material Thickness | .5 – 1.2 µm[19.68 – 47.24 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | .8 – 1.6 µm[31.49 – 62.99 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Base Material | Brass |
| 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 | .8 µm[31.49 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2.5 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 2.8 mm, 16.8 mm[.11 in][.661 in] |
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention Type | Latch |
| Mating Alignment Type | Polarization |
| PCB Mount Alignment | Without |
| 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 | Nylon 66 GF |

## Dimensions

| | |
|---|---|
| Connector Width | 8.2 mm[.32 in] |

| | |
|---|---|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 8.6 mm[.34 in] |
| Connector Length | 17.5 mm[.68 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 450 |
| Packaging Method | Tape |

## 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 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

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 # 1-1376477-6
2.5MM PITCH SIGNAL MATE CONN



TE Part # 2-1376477-6
2.5MM PITCH SIGNAL MATE CONN



TE Part # 1376477-6
2.5MM PITCH SIGNAL MATE CONN

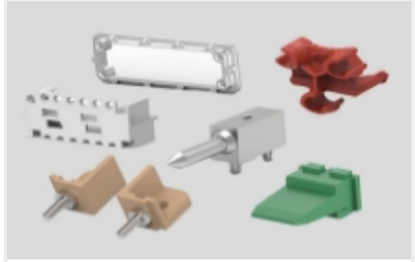
## Also in the Series | AMP Signal Double Lock



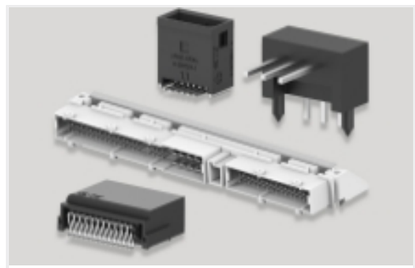
Connector Caps & Covers(1)



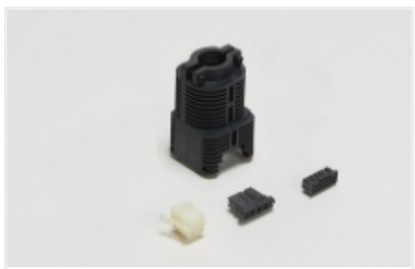
Connector Contacts(14)



Connector Hardware(19)



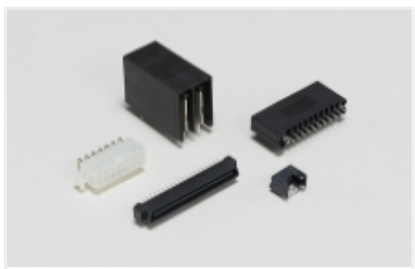
PCB Headers & Receptacles(152)



Rectangular Connector Housings(94)



Rectangular Power Connectors(69)



Standard Rectangular Connectors(95)

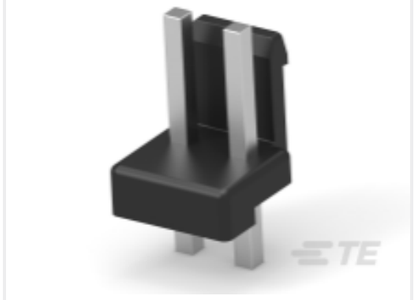


Wire-to-Board Connector Assemblies & Housings(32)

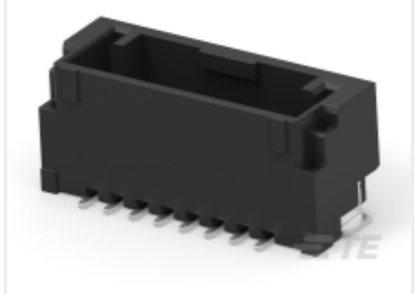
## Customers Also Bought



TE Part #5-292230-7
1.5 MINI CT SGL V SMT W/BOSS 7



TE Part #5-1744103-2
EP HDR ASSY 2P,black



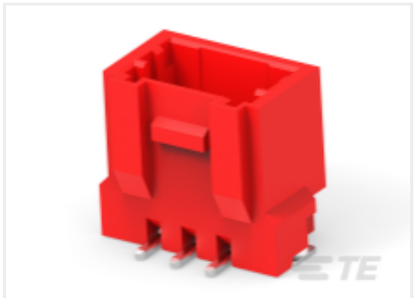
TE Part #2-2360540-8
SGI 1.25 HDR, 8P, VT, Key B, Black



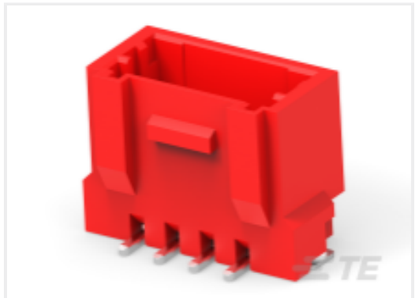
TE Part #2367943-3
GI2.0EV VT SMT Poting HDR,NTL,Key A,3P



TE Part #2367943-8
GI2.0EV VT SMT Poting HDR,NTL,Key A,8P



TE Part #1-2367943-3
GI2.0EV VT SMT Poting HDR,RED,Key B,3P



TE Part #1-2367943-4
GI2.0EV VT SMT Poting HDR,RED,Key B,4P



TE Part #3-2367943-4
GI2.0EV VT SMT Poting HDR,YLW,Key D,4P



TE Part #7-2367943-5
GI2.0EV SMT Poting HDR,Gray,Key H, 5P

TE Part #1-1744104-2
EP HDR ASSY 4P omit 2&3,natural

## Documents

### Product Drawings

2.5 SMC HDR 6POS WHITE TAPE

English

### CAD Files

Customer View Model

ENG_CVM_CVM_5-1376492-6_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1376492-6_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1376492-6_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Application Specification

English