

5-1376492-4 ✓ ACTIVE



## AMP Signal Double Lock

TE Internal #: 5-1376492-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, AMP Signal Double Lock

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **1**

### Features

#### Electrical Characteristics

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

#### 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            | 12.5 mm[.49 in] |

#### Packaging Features

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

#### Mechanical Attachment

|                       |              |
|-----------------------|--------------|
| Mating Retention Type | Latch        |
| Mating Retention      | With         |
| Mating Alignment Type | Polarization |
| PCB Mount Retention   | Without      |



|                         |             |
|-------------------------|-------------|
| PCB Mount Alignment     | Without     |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | With        |

### Termination Features

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

### Contact Features

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

### Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | Nylon 66 GF      |
| Centerline (Pitch) | 2.5 mm [.098 in] |

### Product Type Features

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

### Configuration Features



|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 4        |
| Number of Rows        | 1        |

**Body Features**

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

**Usage Conditions**

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

**Operation/Application**

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

**Other**

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

**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                     | 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 # 1376477-4  
2.5MM PITCH SIGNAL MATE CONN

## Also in the Series | AMP Signal Double Lock



Connector Caps & Covers(1)



Connector Contacts(14)



Connector Hardware(19)



Rectangular Connector Housings(23)



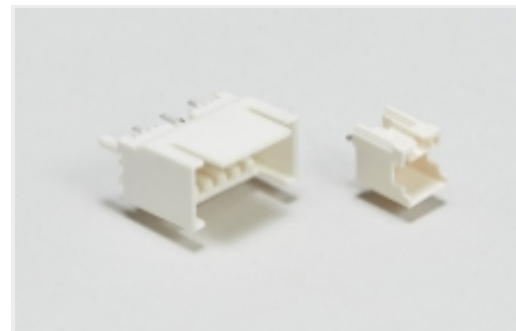
Rectangular Power Connectors(1)



Standard Rectangular Connectors(24)



Wire-to-Board Connector Assemblies & Housings(76)

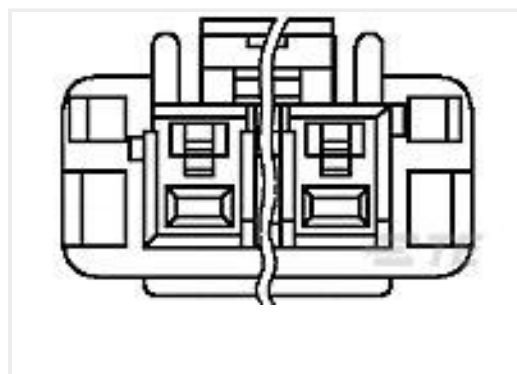


Wire-to-Board Headers & Receptacles (146)

## Customers Also Bought



TE Part #1010-058-1206  
SEAL, INTF, 12P, RED-ORG, SL RET, DT



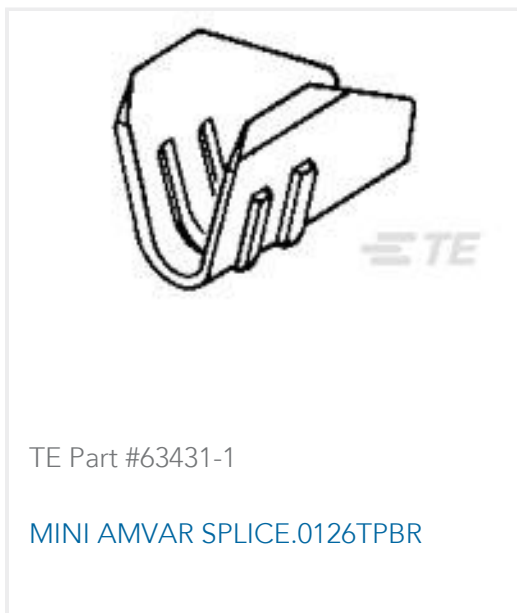
TE Part #3-1376389-4  
5MM POWER KEY 3P PLUG HSG YELL



TE Part #5-2600021-3  
XRC SOCKET 20-24 AWG Ni Plated



TE Part #5-2378158-2  
Power Versa-Lock CAP, 1X2 KEY E



## Documents

### Product Drawings

[2.5 SMC HDR 4POS WHITE TAPE](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1376492-4\\_G.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1376492-4\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1376492-4\\_G.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English