

AMP Signal Double Lock

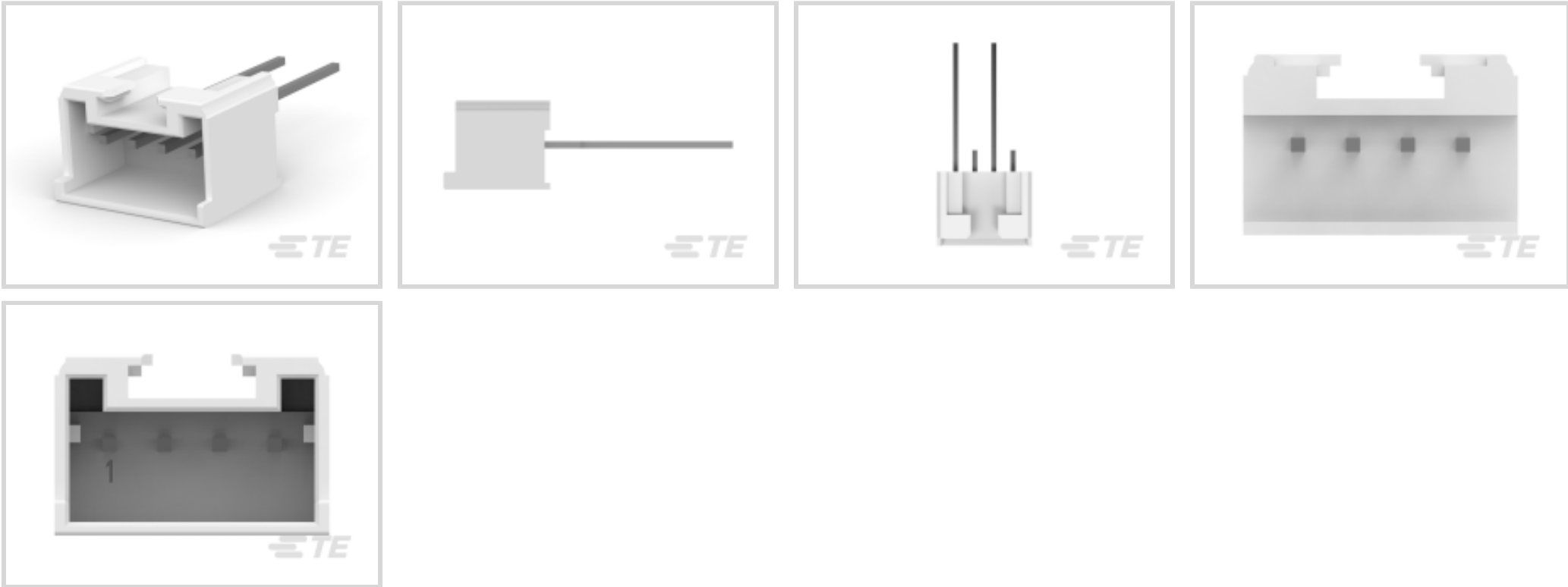
TE Internal #: 917896-1

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



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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 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 Positions   | 4        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

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

Body Features

|                       |          |
|-----------------------|----------|
| Connector Profile     | Standard |
| Primary Product Color | Natural  |



Contact Features

|                                                         |                                |
|---------------------------------------------------------|--------------------------------|
| Contact Mating Area Length                              | 4.7 mm[.185 in]                |
| Mating Square Post Dimension                            | .64 mm[.025 in]                |
| PCB Contact Termination Area Plating Material Thickness | .8 – 2.5 µm[31.49 – 98.42 µin] |
| Contact Layout                                          | Inline                         |
| Contact Underplating Material Thickness                 | .5 – 1.2 µm[19.68 – 47.24 µin] |
| Contact Mating Area Plating Material Thickness          | .8 µm[31.49 µin]               |
| Contact Shape & Form                                    | Square                         |
| Contact Mating Area Plating Material Finish             | Matte                          |
| Contact Underplating Material                           | Copper                         |
| PCB Contact Termination Area Plating Material           | Tin                            |
| Contact Base Material                                   | Brass                          |
| Contact Mating Area Plating Material                    | Tin                            |
| Contact Type                                            | Pin                            |
| Contact Current Rating (Max)                            | 3 A                            |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | Nylon 6/6 GF    |
| Centerline (Pitch) | 2.5 mm[.098 in] |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 12.5 mm[.492 in] |
| Connector Height | 9.8 mm[.38 in]   |



|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
|-----------------------------|-----------------|

Usage Conditions

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

Operation/Application

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

Industry Standards

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

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 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 # CAT-SI261-P729  
STD Temp Signal Double Lock Plug

Also in the Series

AMP Signal Double Lock

Connector Caps & Covers(1)

Connector Contacts(14)

Connector Hardware(19)

Connector Seals & Cavity Plugs(10)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(144)

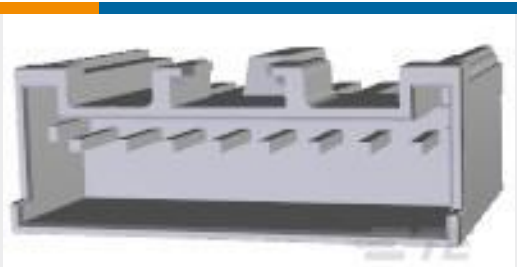
Rectangular Connector Housings(23)

Rectangular Power Connectors(3)

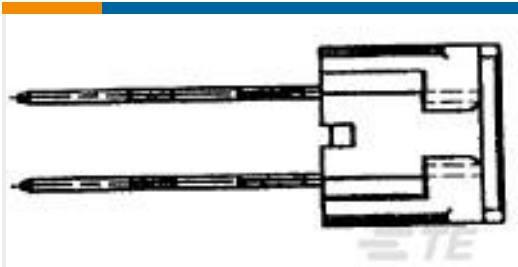
Standard Rectangular Connectors(1)

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

## Customers Also Bought



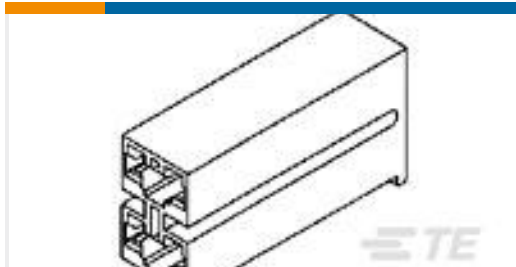
TE Part #316227-1  
2.5 S.D.L HI-PRO V 8P ON/TAPE



TE Part #917894-1  
2.5 S.D.L STD V 2P HDR ON/TAPE



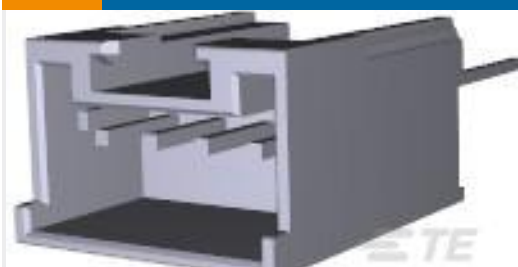
TE Part #316225-1  
2.5 S.D.L HI-PRO V 6P ON/TAPE



TE Part #175578-1  
PL 187 HOUSING RECEPTACLE



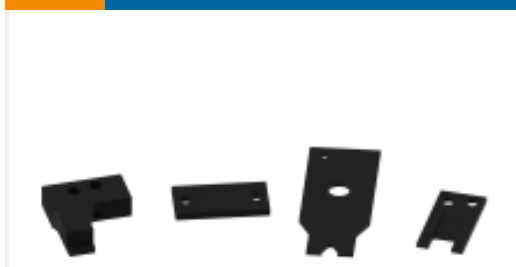
TE Part #5-1376384-1  
5.0 POWER KEY CONNECTOR 4P HEA



TE Part #316223-1  
2.5 S.D.L HI-PRO V 4P ON/TAPE



TE Part #5-1376385-1  
5.0 POWER KEY CONNECTOR 6P HEA



TE Part #913699-1  
BLADE SHEAR



TE Part #908918-2  
PLATE,SHEAR

Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_917896-1\_P.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_917896-1\_P.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_917896-1\_P.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_AND\_SOCKET\_CONNECTORS\_CATALOG

English

1773458-3\_2.5MM\_SIGNAL\_DOUBLE\_LOCK\_CONNECTORS

English



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**Product Specifications**

[Application Specification](#)

English

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**Instruction Sheets**

[Instruction Sheet \(non U.S.\)](#)

English

[AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES](#)

English

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**Agency Approvals**

[UL Report](#)

English