

1743490-1 ✓ ACTIVE



## AMP Signal Double Lock

TE Internal #: 1743490-1

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 4.1 mm  
[.161 in] Centerline, Fully Shrouded, Tin, AMP Signal Double Lock

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **4.1 mm [.161 in]**

PCB Mount Orientation: **Right Angle**

### 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   | 3           |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

#### Body Features

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

#### Contact Features

|  |                 |
|--|-----------------|
| Mating Square Post Dimension                   | .64 mm[.025 in] |
| Contact Mating Area Plating Material Thickness | 2 μm            |



|   |        |
|---|--------|
| Contact Mating Area Plating Material Finish | Bright |
| Contact Mating Area Plating Material        | Tin    |
| Contact Type                                | Pin    |
| Contact Current Rating (Max)                | 2.5 A  |

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | 6/6 Nylon GF    |
| Centerline (Pitch) | 4.1 mm[.161 in] |

### Dimensions

|                             |                    |
|-----------------------------|--------------------|
| Connector Length            | 43.24 mm[1.702 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

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

### Packaging Features

|                |             |
|----------------|-------------|
| Packaging Type | Loose Piece |
|----------------|-------------|

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

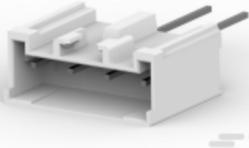


|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| Solder Process Capability                     | Not applicable for solder process capability   |

Product Compliance Disclaimer

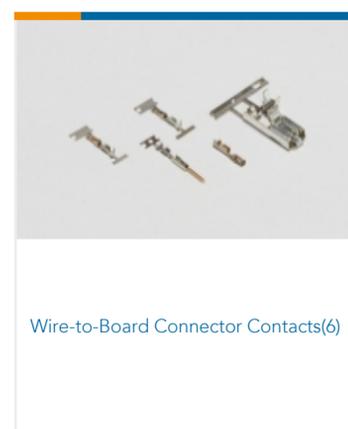
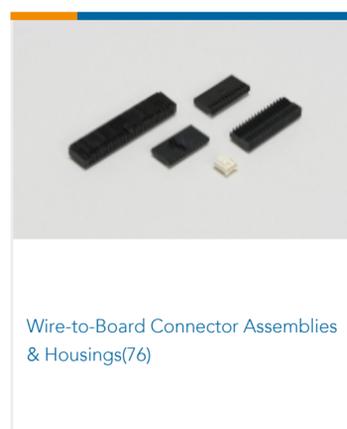
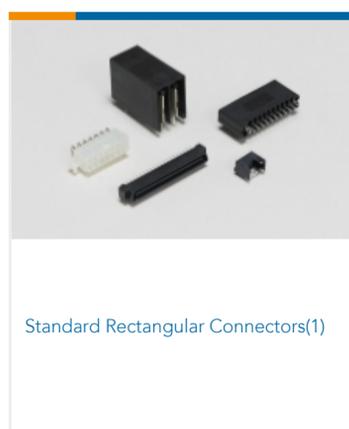
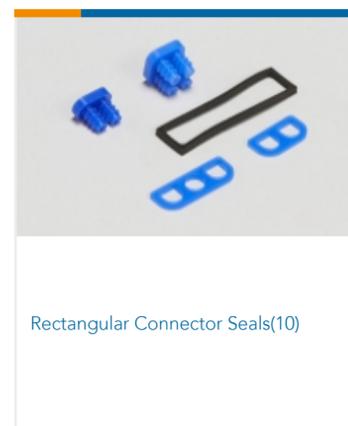
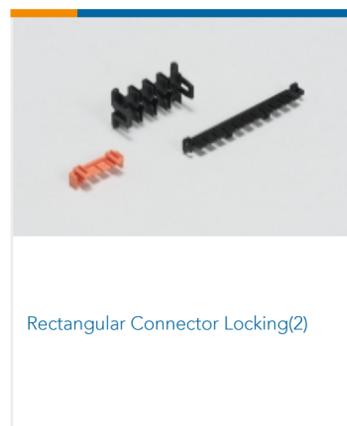
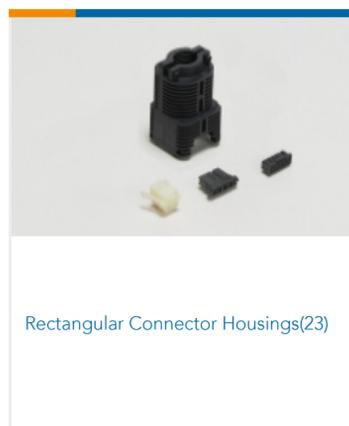
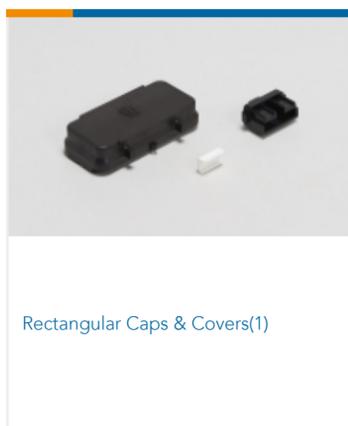
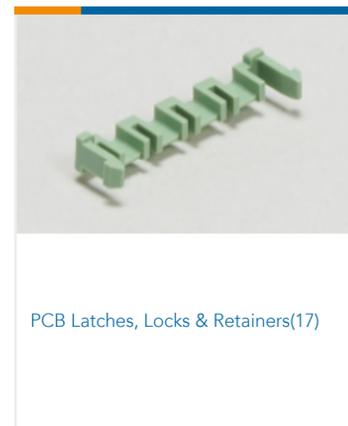
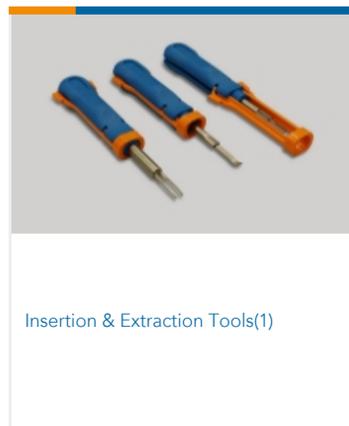
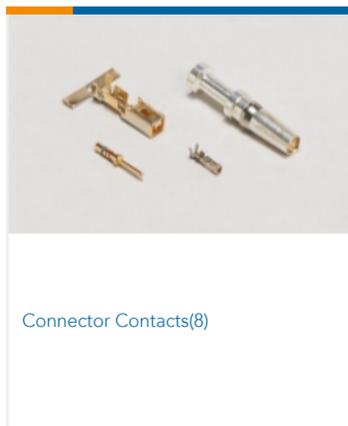
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

|   |  |  |  |
|---|--|--|--|
|  <p>TE Part # 1743492-1<br/>BLOWER MOTOR 3P PLUG HSG</p>     |  <p>TE Part # 917781-1<br/>2.5 S.D.L POST/HDR ASSY 3P STD</p> |  <p>TE Part # 917723-1<br/>2.5 SIGNAL D/LOCK HDR ASSY 3P</p>  |  <p>TE Part # 1-917781-1<br/>2.5MM SDL-LOCT,,3P HDR AS</p>  |
|  <p>TE Part # 2-917723-1<br/>2.5 S.D.L HDR ASSY 3P H-PRO</p> |  <p>TE Part # 1123037-1<br/>2.5 S.D.L HI-PRO HDR ASSY NAT</p> |  <p>TE Part # 1318366-1<br/>2.5 SDL H/P HDR 4/7P ASSY O/T</p> |  <p>TE Part # 1746062-1<br/>2.5SDL HDR 14P STD ASSY NAT</p> |



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**Customer View Model**

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