



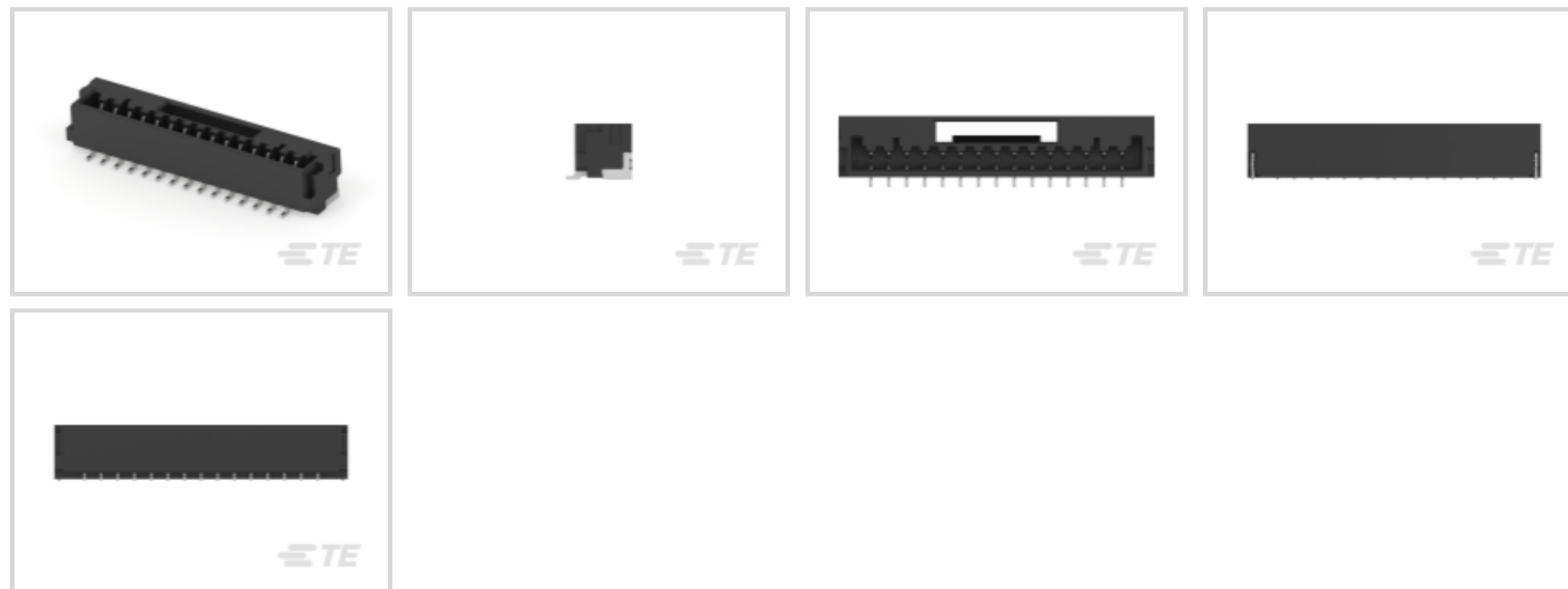
HPI

TE Internal #: 5-2390138-5

HPI, PCB Mount Header, Wire-to-Board, 15 Position, .049 in [1.25 mm] Centerline, Fully Shrouded, Tin, Surface Mount, Power & Signal, Black

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **15**

Number of Rows: **1**

Centerline (Pitch): **1.25 mm [ .049 in ]**

Termination Method to Printed Circuit Board: **Surface Mount**

**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 | 15 |
| Number of Rows      | 1  |

**Electrical Characteristics**

|                                       |        |
|---------------------------------------|--------|
| Termination Resistance                | 20 mΩ  |
| Insulation Resistance                 | 100 MΩ |
| Dielectric Withstanding Voltage (Max) | 500 V  |

**Body Features**

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|



### Contact Features

|   |                             |
|---|-----------------------------|
| Contact Layout  | Staggered                   |
| PCB Contact Termination Area Plating Material Thickness | 2 µm[80 µin]                |
| Contact Underplating Material Thickness                 | 1.27 – 2.7 µm[50 – 106 µin] |
| Contact Mating Area Plating Material Thickness          | 2 µm[80 µin]                |
| PCB Contact Termination Area Plating Material Finish    | Matte                       |
| Contact Mating Area Plating Material Finish             | Matte                       |
| Contact Underplating Material                           | Nickel                      |
| PCB Contact Termination Area Plating Material           | Tin                         |
| Contact Base Material                                   | Brass                       |
| Contact Mating Area Plating Material                    | Tin                         |
| Contact Type  | Pin                         |
| Contact Current Rating (Max)                            | 1 A                         |

### Termination Features

|   |               |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

### Mechanical Attachment

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

### Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Top              |
| Housing Material      | LCP              |
| Centerline (Pitch)    | 1.25 mm[.049 in] |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                          |                            |
|--------------------------|----------------------------|
| Assembly Process Feature | Pick and Place Cover, Tape |
|--------------------------|----------------------------|



Circuit Application

Power &amp; Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Quantity

1600

Packaging Type

Carton, Reel

### Product Compliance

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

EU RoHS Directive 2011/65/EU

Compliant with Exemptions

EU ELV Directive 2000/53/EC

Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2022 (223)  
 Candidate List Declared Against: JUL 2021 (219)  
 SVHC > Threshold:  
 Pb (4% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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 # 1-2390144-5  
1.25P 15POS WTB CABLE HSG NA

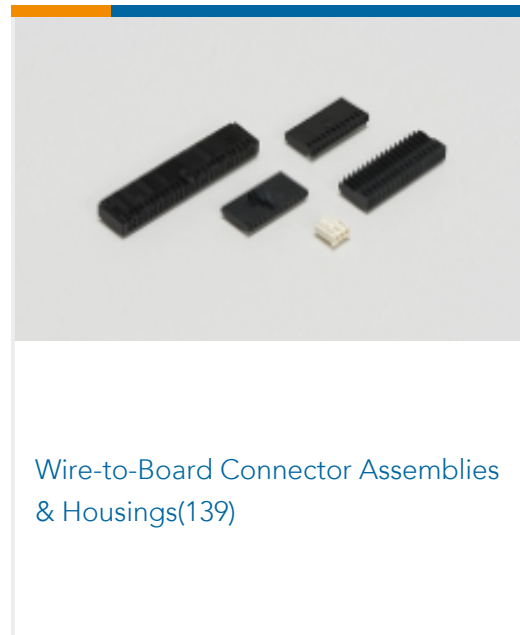


TE Part # 3-2390144-5  
1.25P 15POS WTB CABLE HSG BL

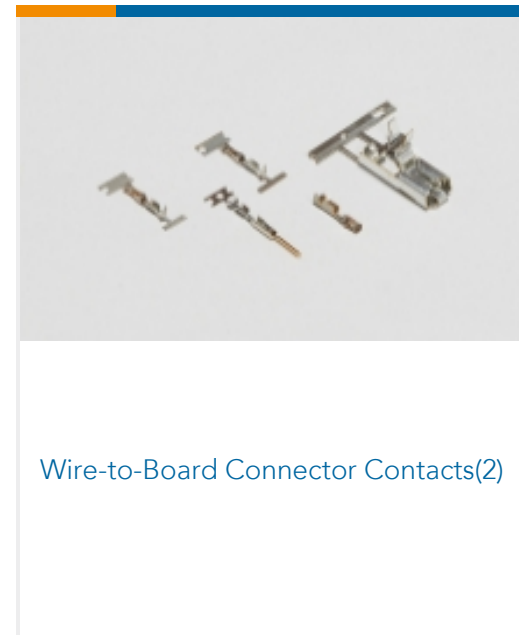
Also in the Series | HPI



PCB Headers & Receptacles(362)

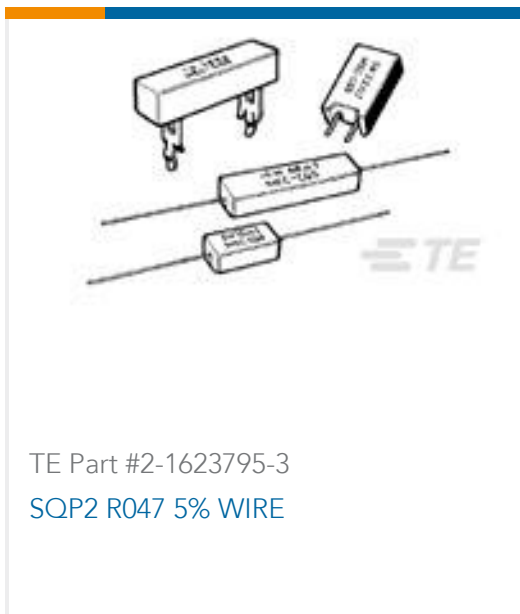


Wire-to-Board Connector Assemblies & Housings(139)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



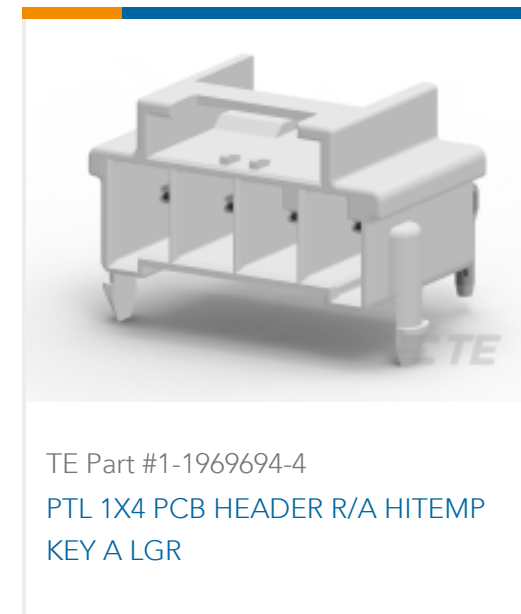
TE Part #2-1623795-3  
SOP2 R047 5% WIRE



TE Part #1-1630019-4  
HSC200 2K4 5%



TE Part #9-2176397-4  
3502 7K5 1%



TE Part #1-1969694-4  
PTL 1X4 PCB HEADER R/A HITEMP KEY A LGR



TE Part #YDTS24T15-18PNV001  
RECP ASSY



TE Part #YDTS24T21-35SNV001  
RECP ASSY



TE Part #YACT24ME35PNV00100  
JAM NUT RECEPTACLE



TE Part #YD369-B99-AP400000  
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



TE Part #YD369-B99-NP400000  
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



TE Part #YD369-B99-NS400000  
369 9 WAY PANEL MNT REC, 90 PCB GOLD,SKT



## Documents

### Product Drawings

[1.25P 15POS WTB VERT BRD W LATCH TIN BL](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2390138-5\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2390138-5\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2390138-5\\_1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Product Specifications

English