

1376382-1 ✓ ACTIVE



Power Key 5.0

TE Internal #: 1376382-1

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power Key 5.0

[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: **2**

Number of Rows: **1**

### Features

#### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector Shape                   | Rectangular           |
| 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

|                            |          |
|----------------------------|----------|
| Number of Columns          | 2        |
| Number of Loaded Positions | 2        |
| Number of Power Positions  | 2        |
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 2        |
| Number of Rows             | 1        |



### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 300 VAC |
|-------------------|---------|

### Body Features

|                         |         |
|-------------------------|---------|
| Connector & Keying Code | A       |
| Primary Product Color   | Natural |

### Contact Features

|   |   |
|---|---|
| Contact Underplating Material                           | Nickel  |
| Contact Underplating Material Thickness                 | .8 – 3 $\mu\text{m}$ [31.49 – 118.11 $\mu\text{in}$ ] |
| Contact Size  | .5mm, 1.5mm   |
| Contact Mating Area Plating Material Thickness          | 1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]               |
| Mating Tab Width  | 1.5 mm[.059 in]                                       |
| PCB Contact Termination Area Plating Material Thickness | 1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]               |
| Contact Shape & Form                                    | Rectangular   |
| Contact Layout  | Inline  |
| Contact Base Material                                   | Copper Alloy  |
| Mating Tab Thickness                                    | .5 mm[.02 in]   |
| PCB Contact Termination Area Plating Material           | Tin   |
| Contact Mating Area Plating Material                    | Tin (Sn)  |
| Contact Type  | Tab   |
| Contact Current Rating (Max)                            | 10 A  |

### Termination Features

|   |                       |
|---|-----------------------|
| Rectangular Termination Post & Tail Width     | 1.1 mm[.044 in]       |
| Rectangular Termination Post & Tail Thickness | .5 mm[.02 in]         |
| Termination Post & Tail Length                | 3.5 mm[.138 in]       |
| Termination Method to PCB                     | Through Hole - Solder |

### Mechanical Attachment

|                          |             |
|--------------------------|-------------|
| Mating Retention Type    | Locking Tab |
| Mating Retention         | With        |
| Mating Alignment Type    | Keyed       |
| PCB Mount Retention Type | Kinked Legs |
| PCB Mount Alignment Type | Boss        |
| PCB Mount Retention      | With        |



|                         |             |
|-------------------------|-------------|
| PCB Mount Alignment     | With        |
| Connector Mounting Type | Board Mount |
| Mating Alignment        | With        |

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Nylon 6/6 GF   |
| Centerline (Pitch) | 5 mm [.197 in] |

### Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.6 mm [.063 in]  |
| Connector Height            | 14.1 mm [.55 in]  |
| Connector Length            | 11.6 mm [.456 in] |

### Usage Conditions

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

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

|   |                           |
|---|---------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                   |
| UL Rating                                   | Recognized                |
| Compatible With Approved Standards Products | UL E28476                 |
| Glow Wire Rating                            | GWT 750°C (Without Flame) |
| UL Flammability Rating                      | UL 94V-0                  |

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 200 |
| Packaging Method   | Bag |

### 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: JAN 2025 (247) |



Candidate List Declared Against: JAN 2025  
(247)

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 # 1376388-1  
5MM POWER KEY 2P PLUG HSG NAT



TE Part # 8-1376383-4  
5mm POWER KEY 3P HDR ASSY YELL



TE Part # 1376383-5  
5mm B-T-W Conn. 3P HDR ASSEMBLY (GWT)



TE Part # 1376382-5  
5mm B-T-W Conn. 2P HDR ASSEMBLY (GWT)



TE Part # CAT-P8704-T669  
Power Key TPA



TE Part # 5-1376386-1  
5.0 POWER KEY CONNECTOR 4P (2R)

Also in the Series | **Power Key 5.0**



Connector Contacts(4)



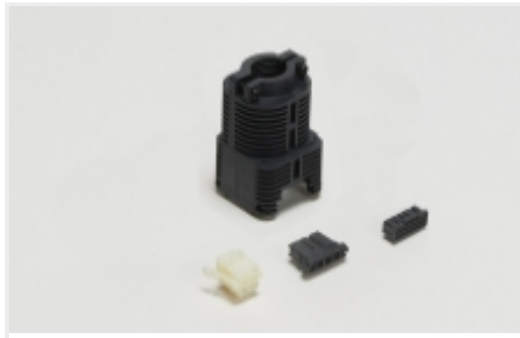
Connector Hardware(4)



PCB Headers & Receptacles(88)



Power Contacts(4)



Rectangular Connector Housings(67)



Rectangular Power Connectors(155)



Standard Rectangular Connectors(67)

## Customers Also Bought



TE Part #1827391-1  
GIC 3.3 HDR ASSY 4P



TE Part #1-1376382-2  
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #1969730-6  
EP2.5 SHROUDED HDR ASSY 6P VERTICAL



TE Part #179841-1  
AMP POWER D/LOCK T/HDR ASSY 6P



TE Part #2-1376383-3  
5MM B-T-W CONN. 3P HDR ASSEMBL



TE Part #1-1376383-2  
5mm B-T-W Conn. 3P HDR ASSEMBL



TE Part #1-292133-0  
CT P/HDR ASSY BOX V 10P W/O KI



TE Part #179840-1  
AMP POWER D/LOCK T/HDR ASSY 4P



TE Part #2-1376382-3  
5mm B-T-W Conn. 2P HDR ASSEMBL



TE Part #179840-6  
AMP POWER D/LOCK T/HDR ASSY 4P

## Documents



### Product Drawings

[5mm B-T-W Conn. 2P HDR ASSEMBL](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1376382-1\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1376382-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1376382-1\\_D.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

[1-1773881-9 Power Key Connector Quick Reference Guide](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English

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