

1376387-1 ✓ ACTIVE



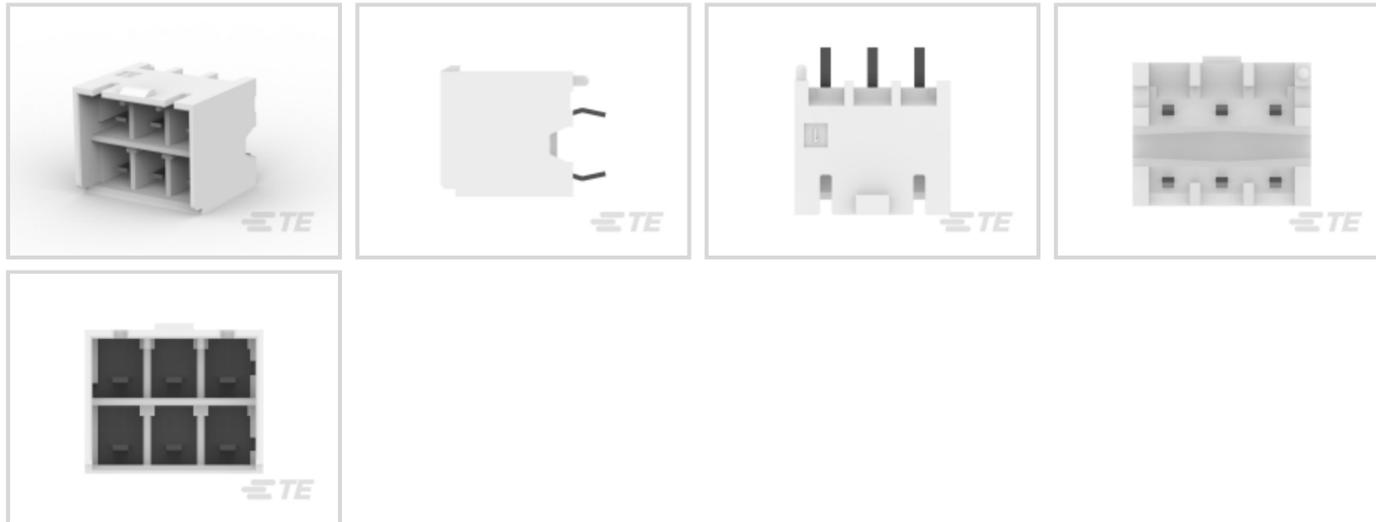
Power Key 5.0

TE Internal #: 1376387-1

PCB Mount Header, Vertical, Wire-to-Board, 6 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: **6**

Number of Rows: **2**

### 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	3
Number of Loaded Positions	6
Number of Power Positions	6
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	2



### 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]
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Layout	Matrix
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

Row-to-Row Spacing	6.2 mm [.244 in]
Connector Width	12.4 mm [.488 in]
PCB Thickness (Recommended)	1.6 mm [.063 in]
Connector Height	14.1 mm [.55 in]
Connector Length	16.6 mm [.653 in]

### Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-30 – 105 °C [-22 – 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	100
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 # 1376387-2  
5.0 PK CONN. 6P(2ROW) HDR W/O GF-NATURAL



TE Part # 1-1376384-5  
5mm B-T-W Conn. 4P HDR ASSEMBLY (GWT)



TE Part # 1376386-2  
5mm B-T-W Conn. 4P(2row) HDR A



TE Part # 1376393-1  
5MM POWER KEY 6P PLUG HSG NUT



TE Part # 3-1376387-5  
5.0 PK CONN. 6P(2ROW) HDR W/O GF- YELLOW



TE Part # 1-1376387-3  
5.0 PK CONN. 6P(2ROW) HDR W/O GF - RED



TE Part # 2-1376387-4  
5.0 PK CONN. 6P(2ROW) HDR W/O GF - BLUE



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

### Also in the Series | Power Key 5.0



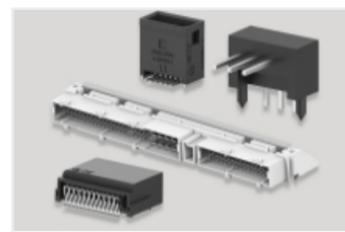
Connector Contacts(4)



Connector Hardware(4)



Insertion & Extraction Tools(1)



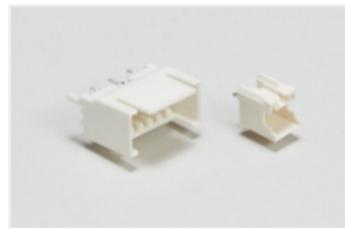
PCB Headers & Receptacles(88)



Power Contacts(4)



Rectangular Power Connectors(139)



Wire-to-Board Headers & Receptacles (88)

## Customers Also Bought



TE Part #179839-1  
AMP POWER D/LOCK T/HDR ASSY 3P



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



TE Part #1747067-2  
GRACE INERTIA CONN 2.5 HDR ASSY 2P NATUR



TE Part #2-1376387-3  
5mm B-T-W Conn. 6P(2row) HDR A



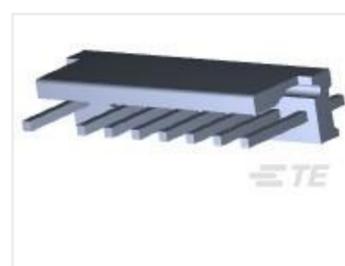
TE Part #1376385-1  
5mm B-T-W Conn. 6P HDR ASSEMBL



TE Part #2-1419108-4  
RTB14005F



TE Part #487576-9  
17 ZIF LINE 50 ASSY



TE Part #641936-6  
09P MTA156 HDR ASSY F/L W/O#8



TE Part #640383-4  
04P MTA156 HDR ASSY STR SQ SN



TE Part #63951-4  
250 FASTON TAB TPBR

## Documents



### Product Drawings

[5mm B-T-W Conn. 6P\(2row\) HDR A](#)

English

---

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1376387-1\\_F.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1376387-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1376387-1\\_F.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\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

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

English

---

### Product Specifications

[Application Specification](#)

English

---

### Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English