# 3-1376387-4 ✔ ACTIVE

Power Key 5.0

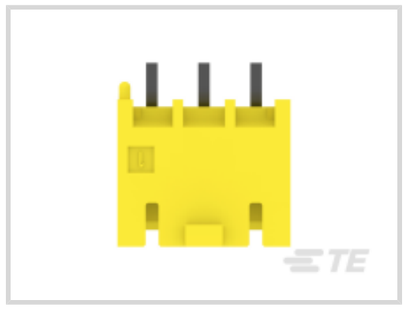
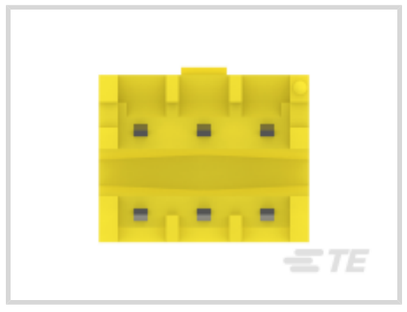
TE Internal #: 3-1376387-4

Header, Receptacle, Wire-to-Board, 6 Position, 5 mm [.197 in] Centerline, Printed Circuit Board, UL 94V-0, Power Key 5.0, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > Glow Wire Power Key Header




Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **5 mm [ .197 in ]**

All Glow Wire Power Key Header (10)

## Features

### Product Type Features

| | |
|---|---|
| Header Type | Fully Shrouded |
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 6 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 6 |
| Number of Signal Positions | 0 |
| Number of Rows | 2 |

## Electrical Characteristics

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

## Contact Features

| | |
|---|---|
| Mating Post Length | 6.3 mm[.248 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Layout | Inline |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 10 A |
| Contact Retention Within Housing | Without |
| Contact Type | Tab |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 1 µm[39.37 µin] |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to PCB | Through Hole - Press-Fit |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention | With |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Post/Kinked Legs |
| Mating Retention Type | Latch |
| Connector Mounting Type | Board Mount |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Height | 14.1 mm[.55 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

| | |
|---|---|
| Product Width | 14.1 mm[.555 in] |
| Product Length | 16.6 mm[.653 in] |
| Row-to-Row Spacing | 6.2 mm[.244 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

| | |
|---|---|
| CSA Rating | LR 7189 |
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | CSA, UL |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 750°C (Without Flame) |

### 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: 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

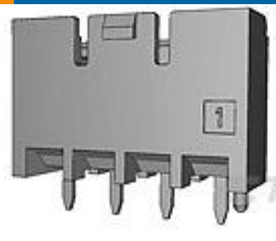
## Compatible Parts



TE Part # 3-1376393-4
5MM POWER KEY 6P PLUG HSG YELL



TE Part # CAT-P8704-H342
STD Temp Power Key Header



TE Part # 3-1376437-4
5MM POWER KEY 2P HDR ASSY YELL

## Also in the Series | Power Key 5.0



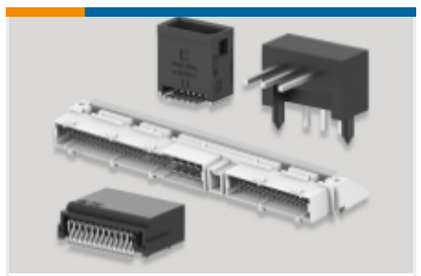
Connector Contacts(4)



Connector Hardware(4)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(20)



Rectangular Power Connectors(119)

## Customers Also Bought



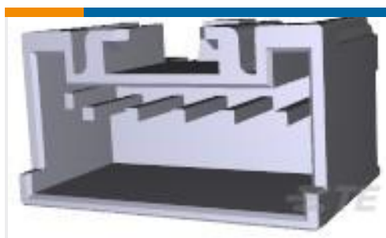
TE Part #2-1376383-3
STD Temp Power Key Header



TE Part #9-1393239-5
RT314012



TE Part #1969730-8
EP2.5 SHROUDED HDR ASSY 8P VERTICAL



TE Part #917783-1
2.5 S.D.L POST HDR ASY 5P STD



TE Part #2151022-1
OCEAN_2.0_APPLICATOR-S-055F070F-RSM



TE Part #5-1123723-5
3.96 EP HDR ASSY 5P(BLACK)



TE Part #1-1969730-4
EP2.5 SHROUDED HDR ASSY 14P VERTICAL



TE Part #2151188-1
OCEAN-2.0-APPLICATOR-S-070F090O-RSM

## Documents

### Product Drawings

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

English

### CAD Files

Customer View Model

ENG_CVM_CVM_3-1376387-4_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1376387-4_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1376387-4_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

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## TE Connectivity:

1-794222-0 175977-2 2-292161-3 2380312-2 CRGCQ2010J3K3 ROX05SJ18R 2377783-2 U5254-000005-030PA 1903112-2 1969656-1 2834055-1 MPT100C18RF TE50BR39J 1393431-1 1743455-2 3631B101LL SBCHE154R7K SBCHE64R7K 141991-2 2310537-1 3-1393225-0 936348-1 CPF0402B37K4E1 1-962915-1 2005330-1 917696-1 RH73H2A40MKTN 3430B2F51RTDF 650075-000 SMW73R0JT