



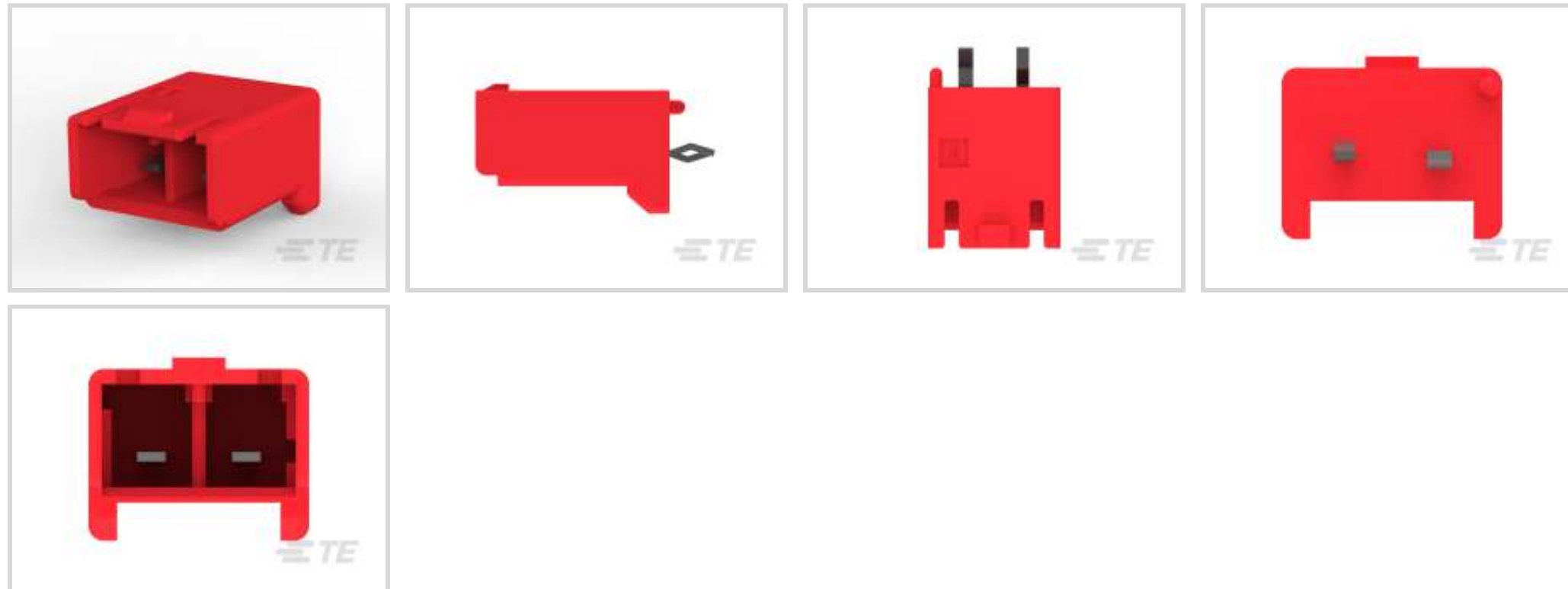
Power Key 5.0

TE Internal #: 1-1376382-2

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 2 Position, 5 mm [.197 in] Centerline, Printed Circuit Board, UL 94V-0, Power Key 5.0

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Key Header



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

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

[All STD Temp Power Key Header \(18\)](#)

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

Electrical Characteristics

| | |
|--|--|
| | |
|--|--|



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

Contact Features

| | |
|--------------------|-----------------|
| Mating Post Length | 6.3 mm[.248 in] |
|--------------------|-----------------|

| | |
|---|---------------------------|
| PCB Contact Termination Area Plating Material Thickness | 1 μ m[39.37 μ in] |
|---|---------------------------|

| | |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|

| | |
|--------------------------------------|-----|
| 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 | 39.36 μ m[1 μ in] |
|--|---------------------------|

Termination Features

| | |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 3.5 mm[.138 in] |
|--------------------------------|-----------------|

| | |
|---|--------------------------|
| Termination Method to Printed Circuit Board | 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 | Red |
|---------------|-----|

| | |
|------------------|--------------|
| Housing Material | Nylon 6/6 GF |
|------------------|--------------|

Dimensions

| | |
|------------------|-----------------|
| Connector Height | 14.1 mm[.55 in] |
|------------------|-----------------|

| | |
|-----------------------------|----------------|
| PCB Thickness (Recommended) | .06 mm[1.6 in] |
|-----------------------------|----------------|

| | |
|---------------|------------------|
| Product Width | 14.1 mm[.555 in] |
|---------------|------------------|

| | |
|----------------|------------------|
| Product Length | 11.6 mm[.456 in] |
|----------------|------------------|



Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|-------------------------------|
| CSA Rating | LR 7189 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # CAT-P8704-T669
Power Key TPA



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



TE Part # CAT-P8704-H342A
Glow Wire Power Key Header



TE Part # 6-1376383-2
5mm B-T-W Conn. 3P HDR ASSY W/




TE Part # 1-1376388-2
5MM POWER KEY 2P PLUG HSG RED




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


Also in the Series | Power Key 5.0




Insertion & Extraction Tools(1)



PCB Latches, Locks & Retainers(4)



Power Contacts(4)



Rectangular Power Connectors(107)

Customers Also Bought



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



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



TE Part #1376386-1
5mm B-T-W Conn. 4P(2row) HDR A



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



TE Part #1376384-1
5mm B-T-W Conn. 4P HDR ASSEMBL



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



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



TE Part #1827392-1
GIC 3.3 HDR ASSY 6P



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



TE Part #2-1827391-1
GIC 3.3 HDR ASSY BLUE WITH KINK

Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1376382-2_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1376382-2_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1376382-2_D.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

[5.0 POWER KEY CONNECTOR](#)

Japanese



Application Specification

Japanese

Product Environmental Compliance

[MD_1-1376382-2_0516201225](#)

English

[MD_1-1376382-2_0516201225](#)

English

Agency Approvals

[VDE Certificate](#)

English