



Power Key 5.0

TE Internal #: 1376384-1
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4
Position, .197 in [5 mm] Centerline, Printed Circuit Board, UL 94V-0,
Power Key 5.0
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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **4**
Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Layout	Inline
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	Tin
Contact Termination Area Plating Thickness	1 μm[39.37 μin]

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.06 mm[1.6 in]
Width	14.1 mm[.555 in]
Mating Post Length	6.3 mm[.248 in]
Height	14.1 mm[.55 in]
Length	21.6 mm[.85 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189

Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

For Use With	Plug Housing
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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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

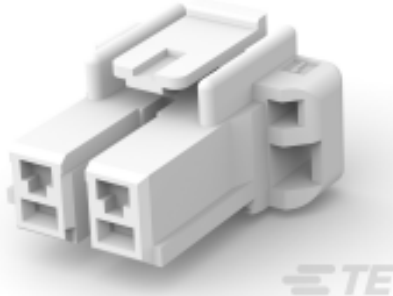
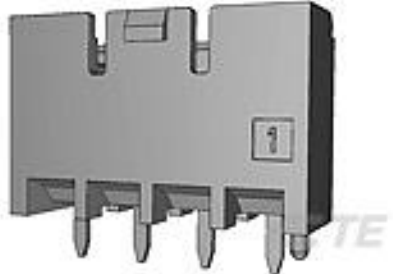
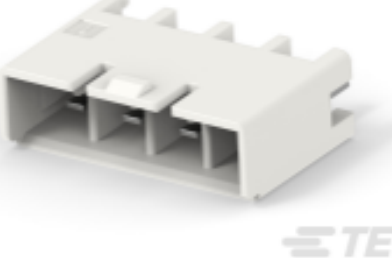
Product Compliance Disclaimer

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>

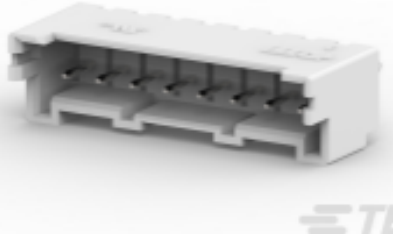
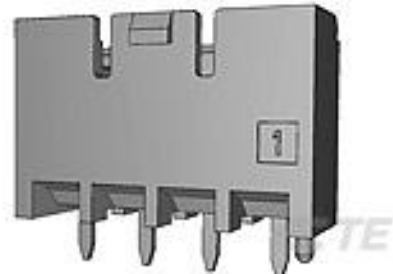
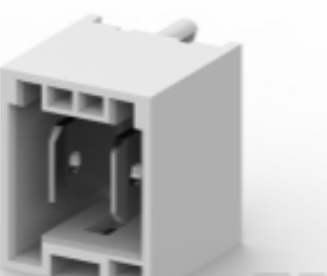
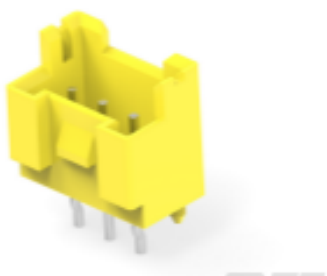
Compatible Parts

 TE Part # CAT-P8704-P729 STD Temp Power Key Plug	 TE Part # 1-1376384-5 5mm B-T-W Conn. 4P HDR ASSEMBLY (GWT)	 TE Part # 1376437-1 5MM POWER KEY 2P HDR ASSY NUT	 TE Part # 1-1376384-6 5mm B-T-W Conn. 4P HDR ASSEMBL
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Also in the Series | Power Key 5.0

 Insertion & Extraction Tools(1)	 PCB Latches, Locks & Retainers(4)	 Power Contacts(4)	 Rectangular Power Connectors(106)
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Customers Also Bought

 TE Part #1-1969688-3 PTL 1X3 PCB HEADER VERT HITEMP KEY A LGR	 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 #1969730-8 EP2.5 SHROUDED HDR ASSY 8P VERTICAL
 TE Part #1-1376385-2 5mm B-T-W Conn. 6P HDR ASSEMBL	 TE Part #1-2292457-2 2P, RAST 5 HEADER, PL, SHROUDED	 TE Part #6-2338245-3 EP2.5 HDR 3P VERT BOSS,yellow,UL	

Documents

Product Drawings



5mm B-T-W Conn. 4P HDR ASSEMBL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1376384-1_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1376384-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1376384-1_J.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_1376384-1_03142014033_dmtec

English

MD_1376384-1_03142014033_dmtec

English

Agency Approvals

VDE Certificate

English