



Power Key 5.0

TE Internal #: 1376347-1

Power Contacts, Contact, 300 VAC, Tin, 20 – 16 AWG Wire Size, .5 – 1.25 mm² Wire Size, 1020 – 2580 CMA Wire Size, Wire-to-Board, Power Key 5.0

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **300 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **.5 – 1.25 mm²**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	10 A
Contact Type	Receptacle
Contact Retention Within Housing	With
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.8 μm[31.5 μin]
Contact Mating Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Thickness	.8 μm[31.5 μin]



Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Copper
Contact Underplating Material Thickness	.5 μm[19.69 μin]
Barrel Type	Open Barrel

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	With

Dimensions

Wire Size	1020 – 2580 CMA
Accepts Wire Insulation Diameter Range	2 – 3.1 mm[.078 – .122 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

Solder Process Capability

Not applicable for solder process capability

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 # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 1747047-1
GRACE INERTIA CONNECTOR 6.5 3POS PLUG HO



TE Part # 1463644-1
EXT-TOOL,5.0 POWER KEY CONN.



TE Part # 2-2151079-1
OCEAN_2.0_APPLICATOR-S-080F130F



TE Part # 2-2151079-2
OCEAN_2.0_APPLICATOR-S-080F130F



TE Part # 2151079-1
OCEAN_2.0_APPLICATOR-S-080F130F



TE Part # 2151079-2
OCEAN_2.0_APPLICATOR-S-080F130F



TE Part # 7-2151079-1
OCEAN_2.0_APPLICATOR-S-080F130F



TE Part # 7-2151079-2
OCEAN_2.0_APPLICATOR-S-080F130F



KIT
TE Part # 7-2151079-7
OCEAN_2.0_SPARE_PART_KIT-080F130F

TE Part # 1729064-1
SAHT 5.0 POWER KEY 20-16 ASSY

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



Insertion & Extraction Tools(1)



PCB Latches, Locks & Retainers(4)



Power Contacts(4)



Rectangular Power Connectors(107)

Documents

Product Drawings

5MM POWER KEY CONN REC CONT L

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1376347-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1376347-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1376347-1_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

1-1773873-1 6.0mm GRACE INERTIA connector flyer

English

1-1773883-5 GRACE INERTIA connector quick reference guide

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_1376347-1_10102018853_dmtec](#)

English

[MD_1376347-1_10102018853_dmtec](#)

English

Instruction Sheets

[The extraction tool for 5MM Power Key Contact](#)

English

[Instruction Sheet \(non U.S.\)](#)

English

Agency Approvals

[VDE Certificate](#)

English