



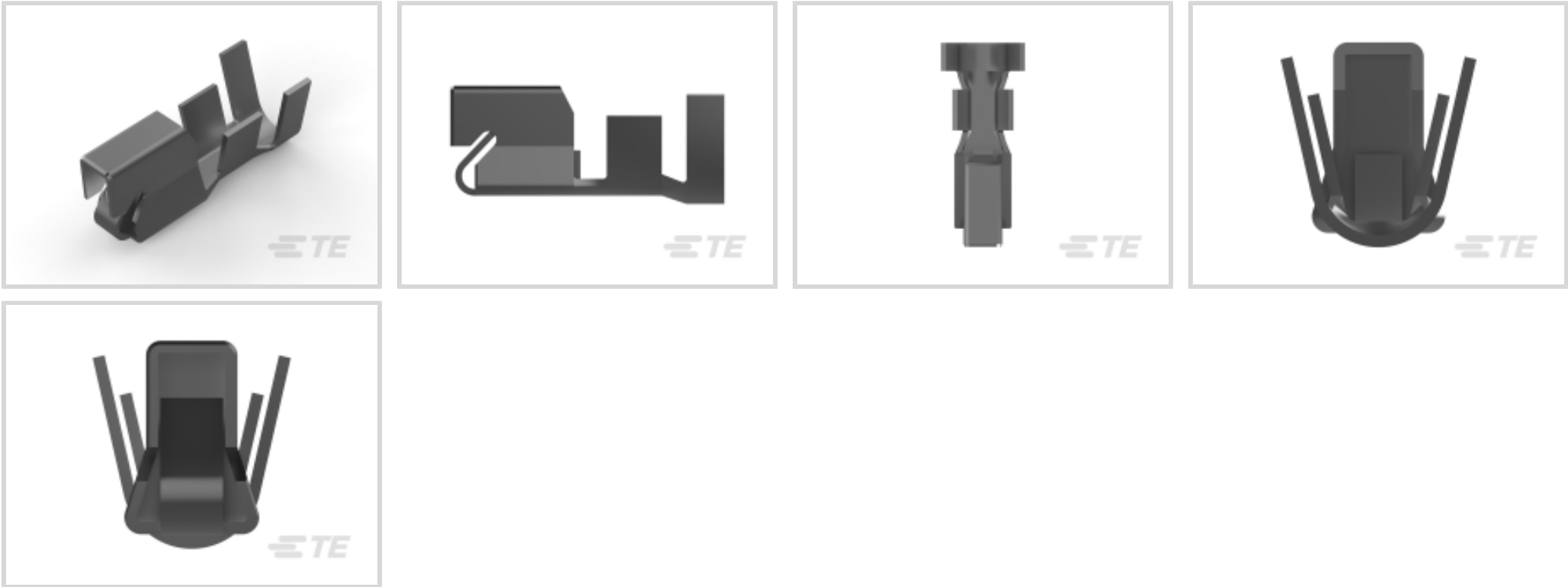
Economy Power

TE Internal #: 1744201-1

Economy Power, Power Contacts, Contact, 600 VAC, Pre-Tin, 20 – 16 AWG Wire Size, .52 – 1.31 mm² Wire Size, Wire-to-Board, Wire & Cable, Crimp, Power

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**
Operating Voltage: **600 VAC**
Contact Mating Area Plating Material: **Pre-Tin**
Wire Size: **.52 – 1.31 mm²**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Shape & Form	Single Beam in Box
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	12.3 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.8 µm[31.49 µin]
Wire Contact Termination Area Plating Thickness	.8 µm[31.49 µin]



Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Semi-Bright
Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	.52 – 1.31 mm²
Accepts Wire Insulation Diameter Range	1.7 – 3 mm[.067 – .118 in]
Width	9.99 mm[.393 in]
Length	2.8 mm[.11 in]
Height	4 mm[.157 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Reel
Packaging Quantity	4000

Other

Wire/Cable Type	Discrete Wire
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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: JUL 2021 (219)
SVHC > Threshold:
Not Yet Reviewed

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 TERMINAL CUTTER, SIDE FEED	 TE Part # 2-2151772-1 OCEAN_2.0_Applicator-S-070F102F	 TE Part # 2-2151772-2 OCEAN_2.0_Applicator-S-070F102F	 TE Part # 2151772-1 OCEAN_2.0_Applicator-S-070F102F
 TE Part # 2151772-2 OCEAN_2.0_Applicator-S-070F102F	 TE Part # 2217660-1 CCII EPII LANCELESS STD 20-16 ASSY	 TE Part # 7-2151772-1 OCEAN_2.0_Applicator-S-070F102F	 TE Part # 7-2151772-2 OCEAN_2.0_Applicator-S-070F102F



KIT

REPRESENTATION ONLY

TE Part # 7-2151772-7

[OCEAN_2.0_SPARE_PART_KIT-070F102F](#)

Also in the Series | Economy Power

Connector Contacts(1)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(162)

PCB Latches, Locks & Retainers(2)

Power Contacts(5)

Rectangular Connector Housings(1)

Rectangular Power Connectors(260)

Wire-to-Board Connector Assemblies & Housings(41)

Wire-to-Board Connector Contacts(6)

Customers Also Bought

TE Part #917689-1

[STD Temp Signal Double Lock Plug](#)

TE Part #917705-1

[2.5 SIGNAL DBL LOCK D.L.P. 9P](#)

TE Part #917706-1

[2.5 SIGNAL DBL LOCK DLP 10P](#)

TE Part #1746076-1

[2.5SDL DBL 14P HSG NAT](#)



TE Part #2108743-1
POWER 2P DBL L/PRO NAT

TE Part #1-1414400-0
RESOLVER V23401-T2014-D209

TE Part #1743419-1
POSITIVE LOCK .250 HOUSING RECEPTACLE

TE Part #2232236-1
187 FASTON,TAB,TPBR

Documents

Product Drawings

EP-II CONTACT LANCELESS, 20-16

English

CAD Files

Customer View Model

ENG_CVM_CVM_1744201-1_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744201-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744201-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

7-1773458-5_ECONOMY_POWER_QRG

English

7-1773461-5_EPII_CONNECTOR_TPA_DEVICE

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1744201-1_03222018107_dmtec

English

MD_1744201-1_03222018107_dmtec

English



Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English