



**Power Triple Lock**

TE Internal #: 1971783-1

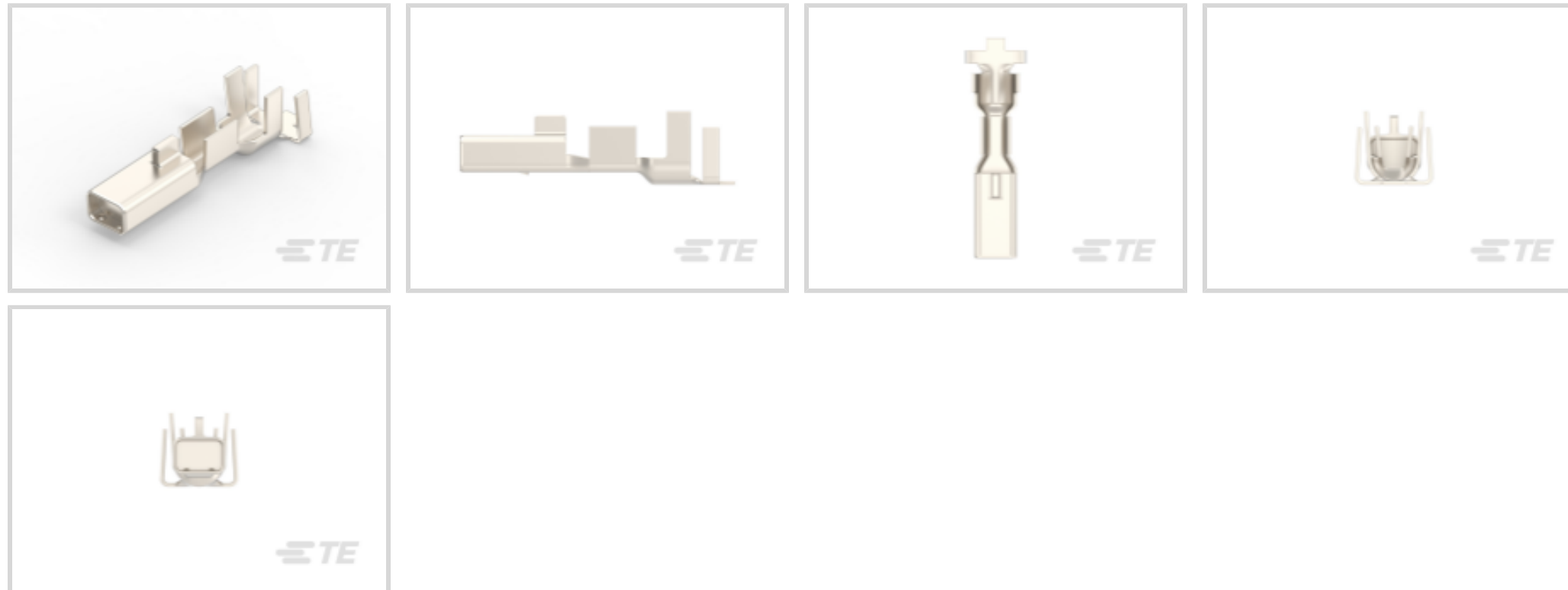
Power Contacts, Contact, 600 VAC, 600 VDC, Pre-Tin, 19 – 16 AWG

Wire Size, .65 – 1.3 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable,

Power Triple Lock

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts > POWER TRIPLE LOCK REC CONTACT



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **19 – 16 AWG**

**All POWER TRIPLE LOCK REC CONTACT (13)**

**Features**

**Product Type Features**

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

**Electrical Characteristics**

Continuous Current Rating	12 A
Operating Voltage	600 VDC

**Contact Features**

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	12 A
Contact Type	Receptacle
Contact Retention Within Housing	Without
Mating Tab Width	2.7 mm[.106 in]
Mating Tab Thickness	1.63 mm[.064 in]



Contact Base Material	Phosphor Bronze
Wire Contact Termination Area Plating Thickness	.8 – 1.5 μm[31.49 – 59 μin]
Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	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	With

### Dimensions

Wire Size	.65 – 1.3 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	2 – 3.3 mm[.079 – .13 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

VDE Tested	Yes
Agency/Standard	UL, VDE

### Packaging Features

Packaging Method	Reel
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### Other

Wire/Cable Type	Discrete Wire
For Use With	Plug Housing
Comment	Complies with IEC 61984 Specification

### 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: JAN 2022 (223)

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 reviewed 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 # CAT-P87074-P729B  
POWER TRIPLE LOCK GLOW WIRE PLUG



TE Part # CAT-P87074-P729  
POWER TRIPLE LOCK STD TEMP PLUG



TE Part # 1452426-1  
EXTRACTION TOOL



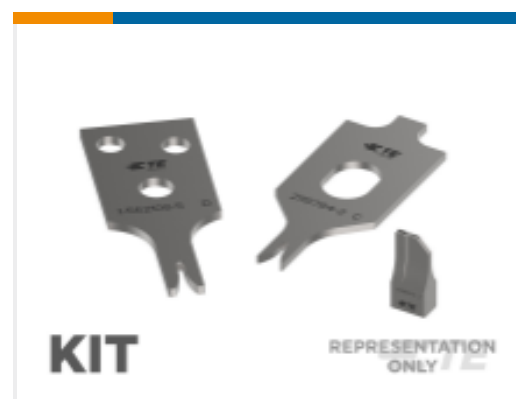
TE Part # 2305570-1  
TERMINAL CUTTER, SIDE FEED



TE Part # 2217208-1  
SDE COMMERCIAL TOOL AND DIE



TE Part # 2151743-1  
OCEAN\_2\_0\_Applicator-S-080F140OV



**KIT**  
TE Part # 7-2151743-7  
OCEAN\_2\_0\_SPARE\_PART\_KIT-080F140OV



TE Part # 1-2232265-1  
PTL 1X2 PLUG HSG HOT WIRE KEY A BLK




TE Part # 1-2232266-1  
PTL 2X3 PLUG HSG HOT WIRE KEY A  
BLK



TE Part # 1-2232357-6  
PTL 3X3 PLUG HSG HOT WIRE KEY A  
BLK



TE Part # 2-2151743-1  
OCEAN\_2.0\_Applicator-S-080F1400V



TE Part # 2-2151743-2  
OCEAN\_2.0\_Applicator-S-080F1400V



TE Part # 2-2232265-1  
PTL 1X2 PLUG HSG HOT WIRE KEY B  
NAT



TE Part # 2151743-2  
OCEAN\_2.0\_Applicator-S-080F1400V




TE Part # 2217208-2  
SDE DIE SET



TE Part # 7-2151743-1  
OCEAN\_2.0\_Applicator-S-080F1400V




TE Part # 7-2151743-2  
OCEAN\_2.0\_Applicator-S-080F1400V

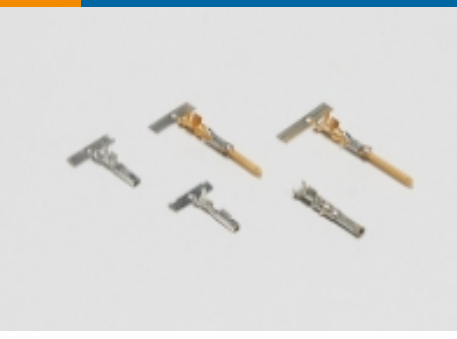


TE Part # 2188645-1  
PDL/PTL HYB 20P PLUG HSG(2R)


Also in the Series | **Power Triple Lock**




Insertion & Extraction Tools(1)



Power Contacts(28)



Rectangular Connector Locking(12)



Rectangular Power Connectors(299)

Customers Also Bought



TE Part #5-2232265-2  
POWER TRIPLE LOCK GLOW WIRE  
PLUG



TE Part #1971784-1  
PTL TAB CONTACT, 16-19 AWG, 2X22  
AWG



TE Part #1-1971773-2  
PTL 1X2 PLUG HSG STD TEMP KEY A  
NAT



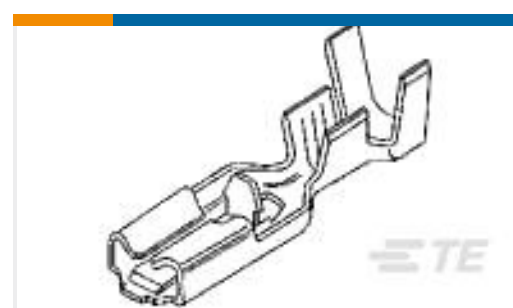
TE Part #1971789-1  
CPA



TE Part #1971785-1  
PTL RECEPTACLE CONTACT, 20 - 24  
AWG



TE Part #5-2232263-7  
PTL 1X5 CAP PANEL MT GLW WIRE  
KEY A DGR



TE Part #1742354-1  
PL 250 REC 16-18AWG PTBR

## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1971783-1\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1971783-1\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1971783-1\\_E.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773734-9 TE Power Triple Lock Quick Reference Guide - German](#)

German

[9-1773465-1 Power Triple Lock QRG](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[MD\\_1971783-1\\_08172018719\\_dmtec](#)

English

[MD\\_1971783-1\\_08172018719\\_dmtec](#)

English

### Instruction Sheets

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

English

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

English

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[Agency Approvals](#)

[VDE Certificate](#)

English