



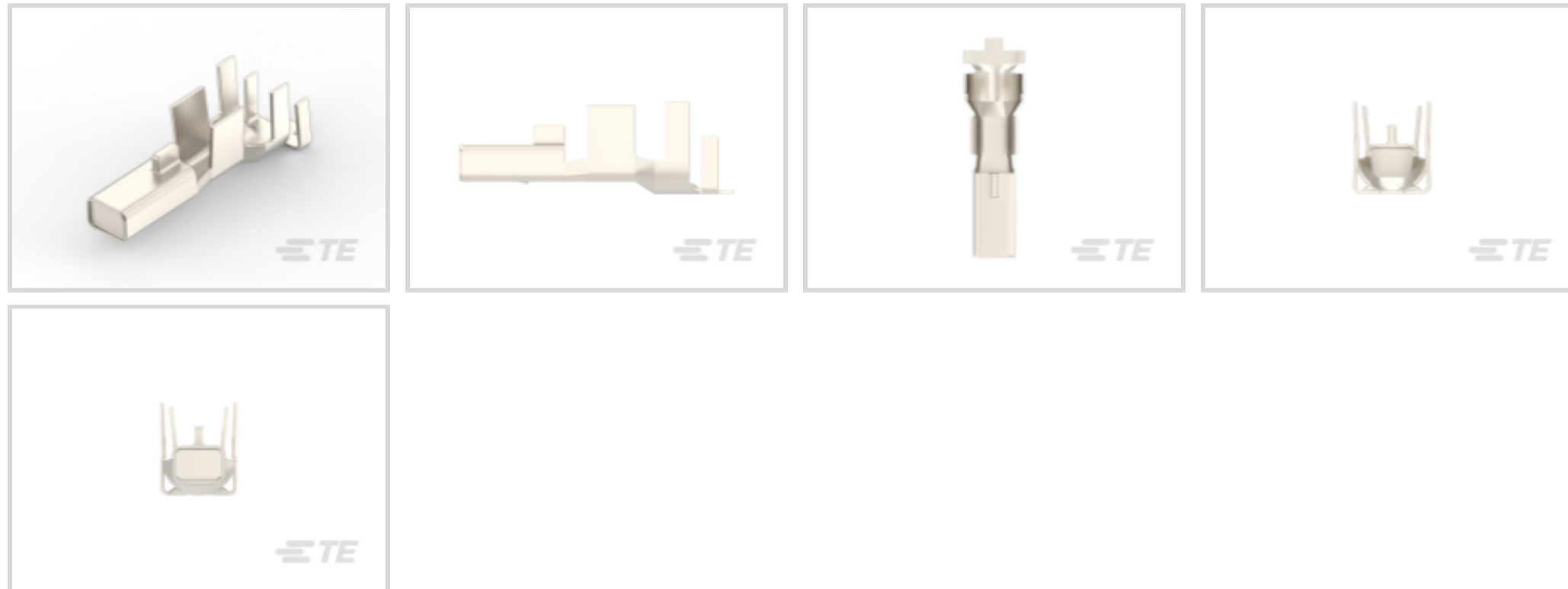
**Power Triple Lock**

TE Internal #: 1971779-2

Power Contacts, Contact, 600 VAC, 600 VDC, Pre-Tin, 12 AWG Wire Size, 3 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power, 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: **12 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	20 A
Operating Voltage	600 VDC

**Contact Features**

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	20 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	Copper Alloy
Wire Contact Termination Area Plating Thickness	.8 – 2.5 μm[31.49 – 98.4 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	3 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	3.85 – 4.25 mm[.151 – .167 in]

### Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

Agency/Standard	UL
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### Packaging Features

Packaging Method	Reel
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### Other

Wire/Cable Type	Discrete Wire
For Use With	Plug Housing

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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-P729A  
POWER TRIPLE LOCK HIGH TEMP PLUG



TE Part # 1452426-1  
EXTRACTION TOOL



TE Part # 2305570-1  
TERMINAL CUTTER, SIDE FEED



TE Part # 1-1971776-6  
PTL 2X6 PLUG HSG STD TEMP KEY A NAT



TE Part # 2217268-1  
SDE HAND TOOL



TE Part # 2-2151741-1  
OCEAN\_2.0\_Applicator-S-120F190F



TE Part # 2-2151741-2  
OCEAN\_2.0\_Applicator-S-120F190F



TE Part # 2151741-1  
OCEAN\_2.0\_Applicator-S-120F190F




TE Part # 2151741-2  
OCEAN\_2.0\_Applicator-S-120F190F



TE Part # 2217268-2  
SDE DIE SEET



TE Part # 6-1971876-3  
PTL 3X3 PLUG HSG HIGH TEMP KEY B RED



TE Part # 7-2151741-1  
OCEAN\_2.0\_Applicator-S-120F190F




TE Part # 7-2151741-2  
OCEAN\_2.0\_Applicator-S-120F190F

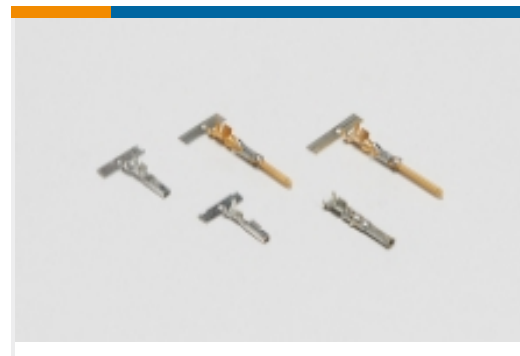


TE Part # 7-2151741-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-120F190F


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




Insertion & Extraction Tools(1)



Power Contacts(28)

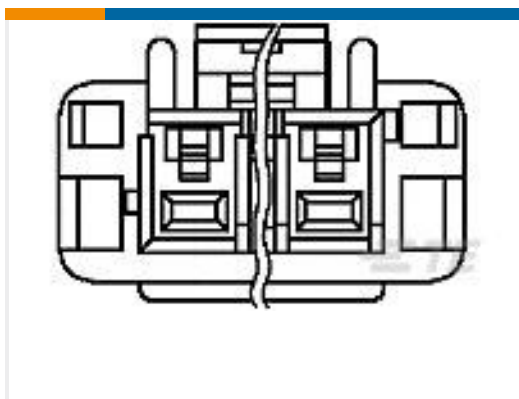


Rectangular Connector Locking(12)



Rectangular Power Connectors(299)

Customers Also Bought




TE Part #1-1376390-2  
5MM POWER KEY 4P PLUG HSG RED



TE Part #5-1971772-2  
PTL 1X2 CAP PANEL MT HITEMP KEY A LGR



TE Part #1971785-2  
PTL RECEPTACLE CONTACT, 20 - 24 AWG



TE Part #1971778-3  
POWER TRIPLE LOCK TPA LOCKING PLATE



TE Part #60214-1  
187 FASTON REC 20-16 AWG BR



TE Part #41808  
RING TERMINAL 10-8 AWG TPCU



TE Part #1-1969443-0  
EP 2.5 TPA Retainer, 10 Pos



TE Part #F82626-000  
SCT-NO.2-E5-0-40MM



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971779-2\\_D.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971779-2\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971779-2\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[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

[TE Material Declaration](#)

English

### Instruction Sheets

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

English

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

English