



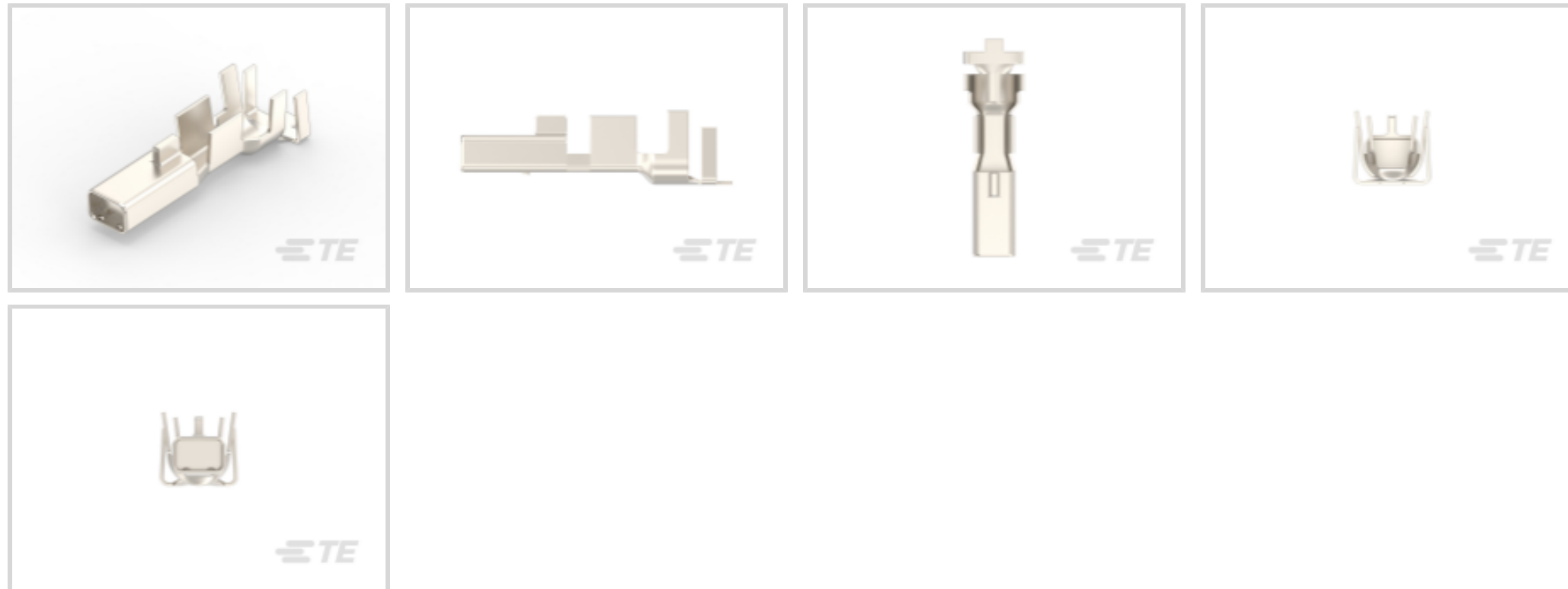
**Power Triple Lock**

TE Internal #: 1971781-2

Power Contacts, Contact, 600 VAC, 600 VDC, Pre-Tin, 14 AWG Wire Size, 2 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: **14 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 | 15 A    |
| Operating Voltage         | 600 VDC |

**Contact Features**

|                                      |                  |
|--------------------------------------|------------------|
| Contact Mating Area Plating Material | Pre-Tin          |
| Contact Current Rating (Max)         | 15 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 – 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 |
|------------------------------------|-------|

### Mechanical Attachment

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

### Dimensions

|  |                              |
|--|------------------------------|
| Wire Size                              | 2 mm <sup>2</sup>            |
| Accepts Wire Insulation Diameter Range | 3.4 – 3.7 mm[.134 – .146 in] |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Industry Standards

|                 |         |
|-----------------|---------|
| VDE Tested      | Yes     |
| Agency/Standard | UL, VDE |

### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

### 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

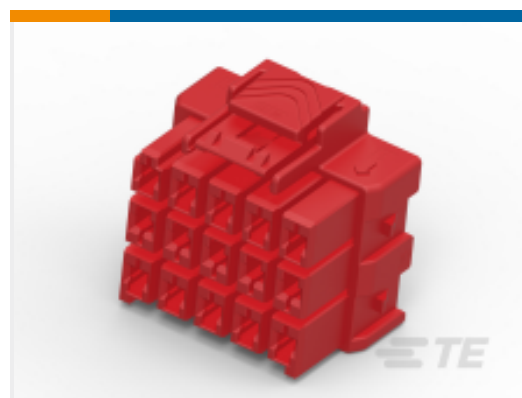
Solder Process Capability

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-P729A  
POWER TRIPLE LOCK HIGH TEMP PLUG



TE Part # 1452426-1  
EXTRACTION TOOL



TE Part # 2305570-1  
TERMINAL CUTTER, SIDE FEED



TE Part # 1-1971876-7  
PTL 3X5 PLUG HSG STD TEMP KEY A NAT



TE Part # 2-2151742-1  
OCEAN\_2.0\_APPLICATOR-S-090F160F



TE Part # 2-2151742-2  
OCEAN\_2.0\_APPLICATOR-S-090F160FA



TE Part # 2151742-1  
OCEAN\_2.0\_APPLICATOR-S-090F160F



TE Part # 2151742-2  
OCEAN\_2.0\_APPLICATOR-S-090F160FA




TE Part # 2217266-1  
SDE COMMERCIAL TOOL AND DIE



TE Part # 2217266-2  
SDE COMMERCIAL TOOL AND DIE



TE Part # 7-2151742-1  
OCEAN\_2.0\_APPLICATOR-S-090F160F




TE Part # 7-2151742-2  
OCEAN\_2.0\_APPLICATOR-S-090F160FA




**KIT**  
REPRESENTATION ONLY

TE Part # 7-2151742-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-090F160F


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 #5-1971773-3  
POWER TRIPLE LOCK HIGH TEMP PLUG



TE Part #5-1971775-3  
POWER TRIPLE LOCK HIGH TEMP CAP



TE Part #1971783-2  
PTL RECEPTACLE CONTACT, 16-19 AWG, 2X22



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



TE Part #1971777-5  
PTL TPA HIGH TEMP 1 x 5 BLACK



TE Part #2-1971776-3  
PTL 2X3 PLUG HSG STD TEMP KEY B PUR



## Documents

### Product Drawings

[PTL RECEPTACLE CONTACT, 14 AWG](#)

English

[PTL RECEPTACLE CONTACT, 14 AWG](#)

English

[PTL RECEPTACLE CONTACT, 14 AWG](#)

English

### CAD Files

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1971781-2\\_E.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1971781-2\\_E.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1971781-2\\_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\\_1971781-2\\_0612201834\\_dmtec](#)

English

[MD\\_1971781-2\\_0612201834\\_dmtec](#)

English

### Instruction Sheets

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

English

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

English

### Agency Approvals

1971781-2

Power Contacts, Contact, 600 VAC, 600 VDC, Pre-Tin, 14 AWG Wire Size, 2 mm<sup>2</sup> Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power, Power Triple Lock



## VDE Certificate

English