

1971781-1 ✓ ACTIVE



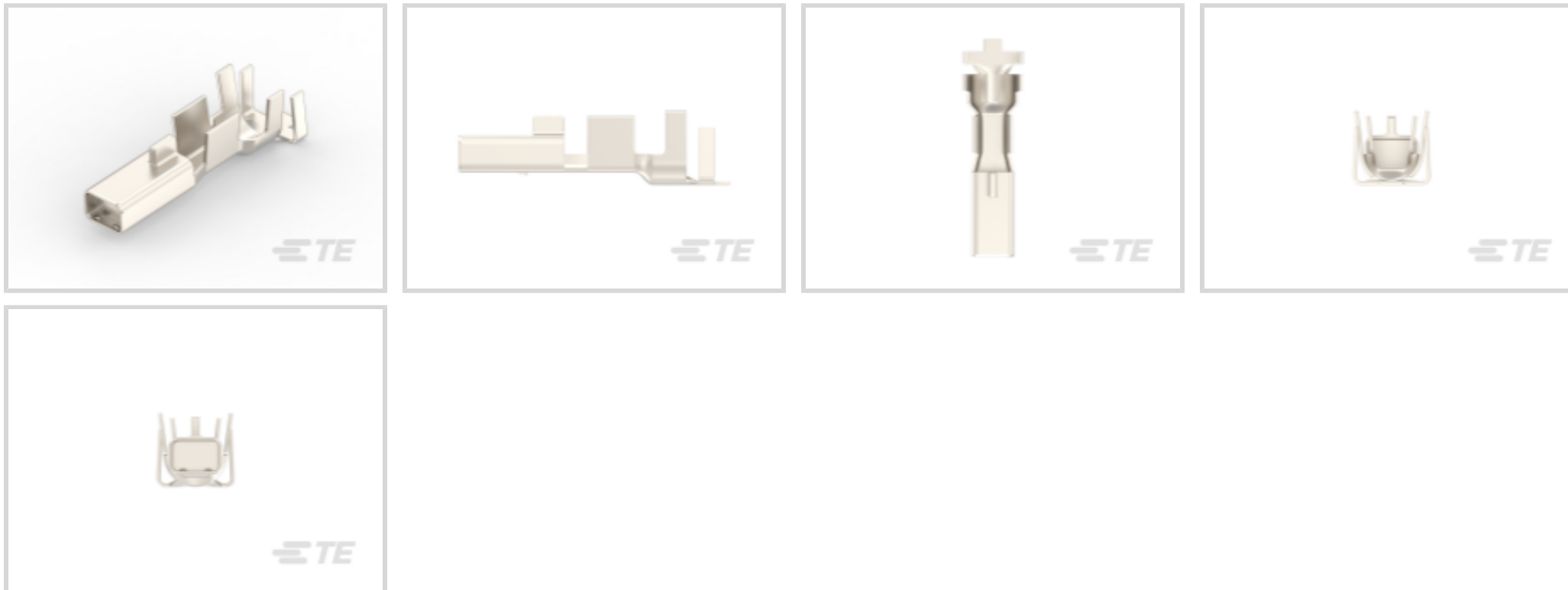
## Power Triple Lock

TE Internal #: 1971781-1

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

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts > Receptacle Contact — POWER TRIPLE LOCK



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **14 AWG**

[All Receptacle Contact — POWER TRIPLE LOCK \(13\)](#)

## Features

### Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Power Contact Type                | Contact      |
| Connector & Contact Terminates To | Wire & Cable |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

### Contact Features

|   |                             |
|---|-----------------------------|
| Contact Mating Area Plating Material            | 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 |
|------------------------------------|-------|

#### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

#### Dimensions

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

#### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|

#### Operation/Application

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

#### Industry Standards

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

#### Packaging Features

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

#### Other

|                          |                                       |
|--------------------------|---------------------------------------|
| Power Connectors 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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 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 Plug, Standard Temperature



TE Part # 1452426-1  
EXTRACTION TOOL



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



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



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



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



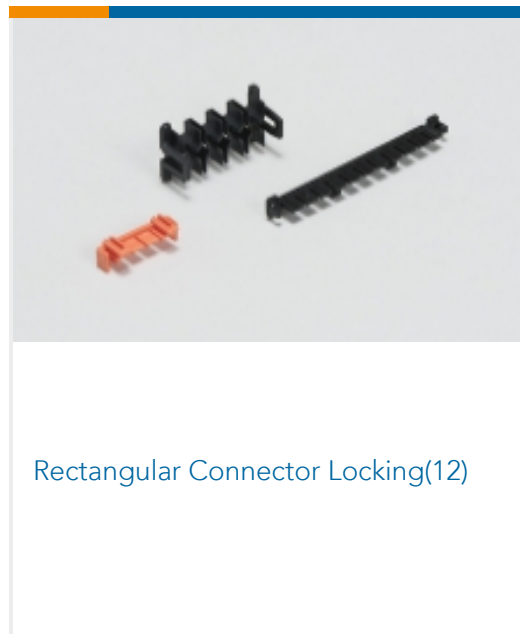
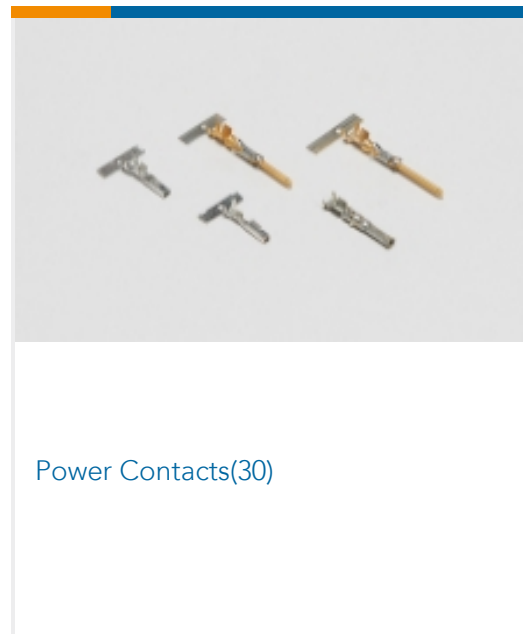
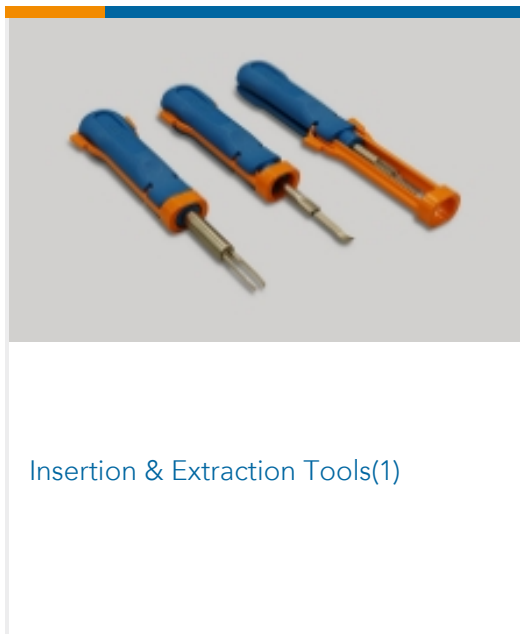
TE Part # 2217266-1  
SDE COMMERCIAL TOOL AND DIE



TE Part # 2217266-2  
SDE COMMERCIAL TOOL AND DIE



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



Customers Also Bought





## Documents

### Product Drawings

#### PTL RECEPTACLE CONTACT, 14 AWG

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971781-1\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971781-1\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1971781-1\\_E.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### 1-1773734-9 TE Power Triple Lock Quick Reference Guide - German

German

#### 9-1773465-1 Power Triple Lock QRG

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### TE Material Declaration

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

#### Instruction Sheet (U.S.)

English

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### Agency Approvals

#### VDE Certificate

English

#### VDE Certificate

English