



Power Triple Lock

TE Internal #: 5-1971775-3

Rectangular Power Connectors, Housing, Cap, Wire-to-Wire, 6 Position, 6 mm [.236 in] Centerline, Wire & Cable, UL 94V-0, Power Triple Lock

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > POWER TRIPLE LOCK High Temperature Caps

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Cap**

Connector System: **Wire-to-Wire**

Number of Positions: **6**

Centerline (Pitch): **6 mm [.236 in]**

[All POWER TRIPLE LOCK High Temperature Caps \(44\)](#)

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Cap |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------------|---|
| Number of Positions | 6 |
| Number of Power Positions | 6 |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

| | |
|-------------------------|------|
| Cable Exit Angle | 180° |
| Connector & Keying Code | A |

Contact Features

| | |
|----------------------------------|---------|
| Contact Layout | Matrix |
| Contact Retention Within Housing | Without |
| Contact Type | Tab |



Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|--------------------------|-------------|
| Panel Mount Feature | With |
| Panel Mount Feature Type | Latches |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 6 mm [.236 in] |
| Housing Color | Gray |
| Housing Material | Nylon |

Dimensions

| | |
|-------------------------------|---------------------------|
| Panel Thickness (Recommended) | 1 – 2 mm [.039 – .079 in] |
| Connector Height | 23.05 mm |
| Row-to-Row Spacing | 8.1 mm [.319 in] |

Usage Conditions

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

Operation/Application

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

Identification Marking

| | |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Industry Standards

| | |
|---------------------------|---------------------------------|
| Glow Wire Material Rating | Material with GWIT \geq 775°C |
| UL Rating | Recognized |
| Agency/Standard | UL, VDE |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | GWT 850°C (Flame \leq 30 sec) |

Packaging Features

| | |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

Other

| | |
|--------------------------|---------------------------------------|
| Power Connectors Comment | Complies with IEC 61984 Specification |
|--------------------------|---------------------------------------|

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

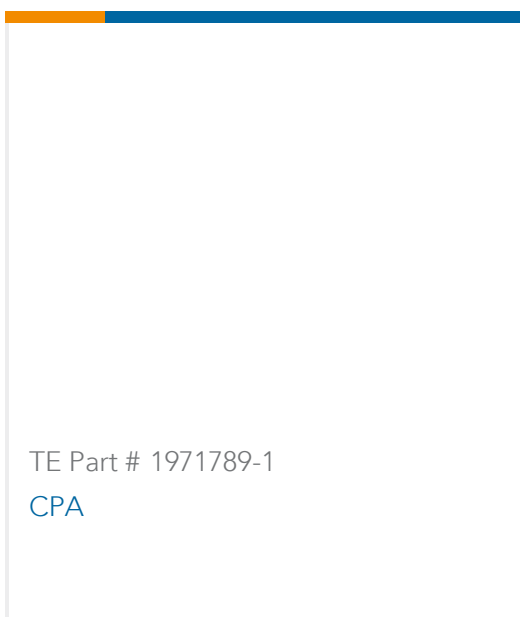
| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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>

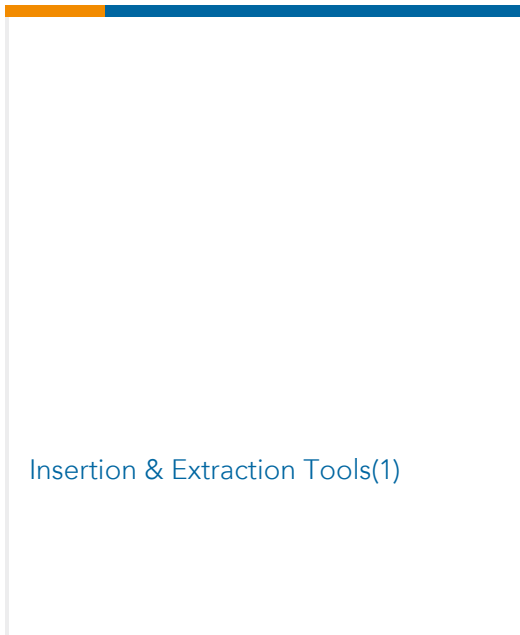
Compatible Parts

| | | | |
|---|--|--|--|
| <p>TE Part # 5-1971776-3 PTL 2X3 PLUG HSG HIGH TEMP KEY A LGR</p> | <p>TE Part # 1971778-3 PTL TPA HIGH TEMP 2 x 3 BLACK</p> | <p>TE Part # CAT-P87074-T111 Tab Contact — POWER TRIPLE LOCK</p> | <p>TE Part # 1452426-1 EXTRACTION TOOL</p> |
|---|--|--|--|

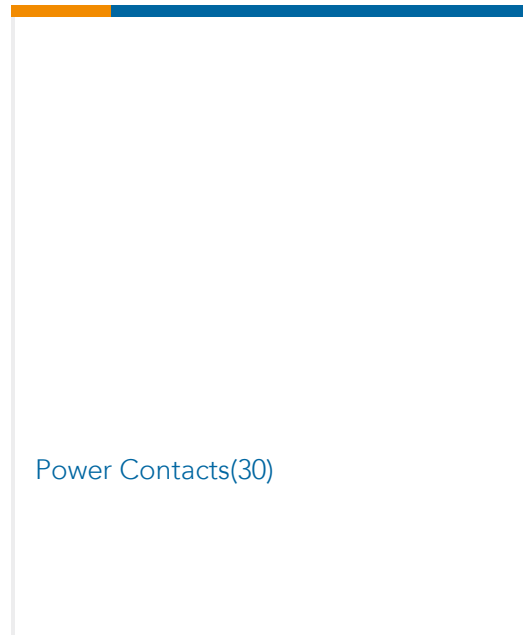


TE Part # 1971789-1
CPA

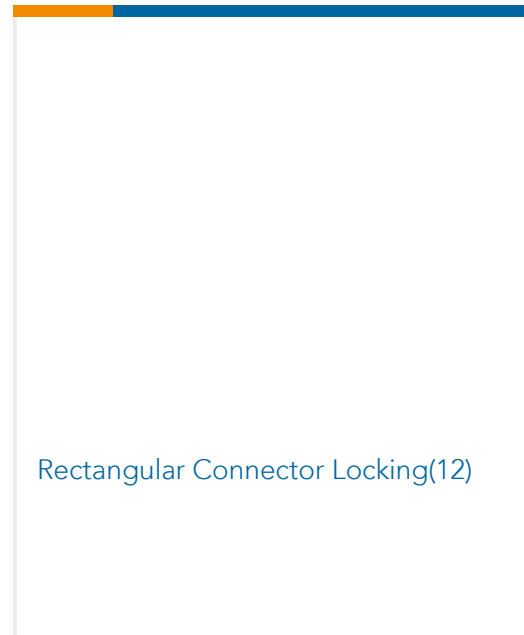
Also in the Series | Power Triple Lock



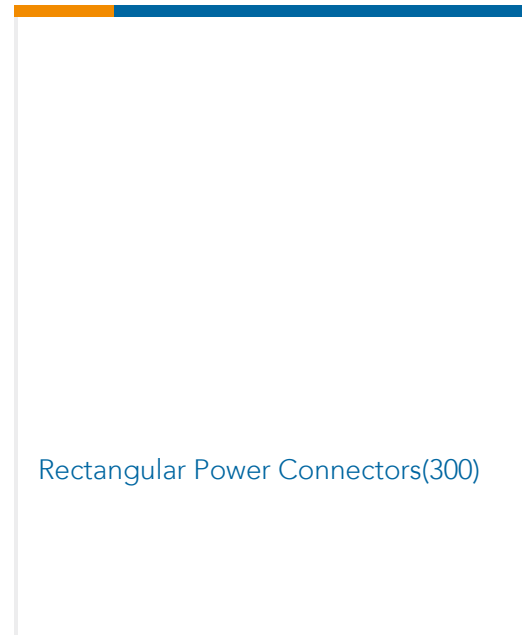
Insertion & Extraction Tools(1)



Power Contacts(30)

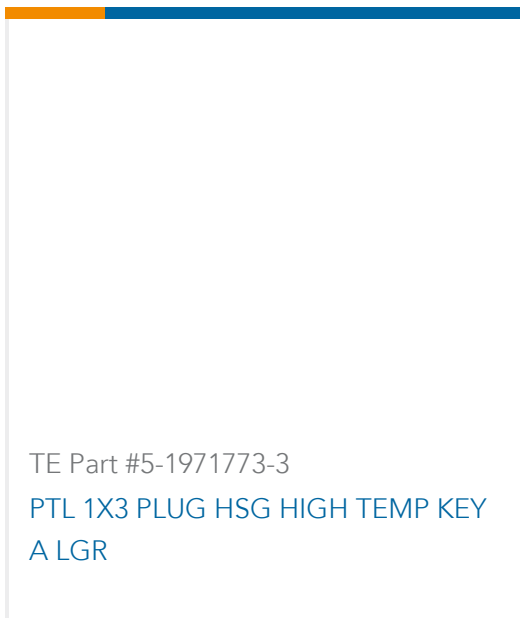


Rectangular Connector Locking(12)

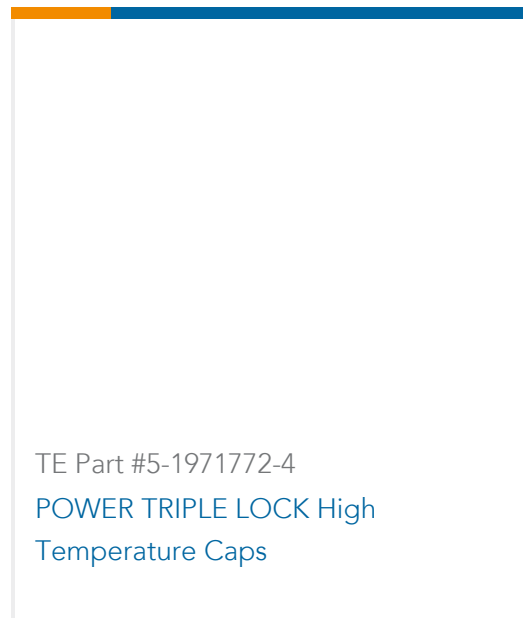


Rectangular Power Connectors(300)

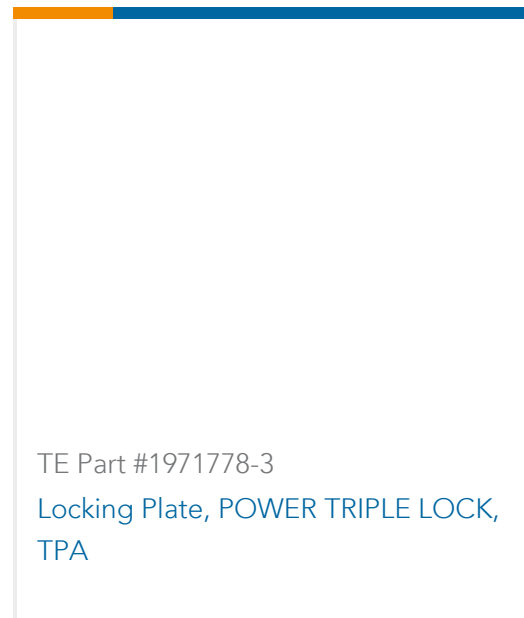
Customers Also Bought



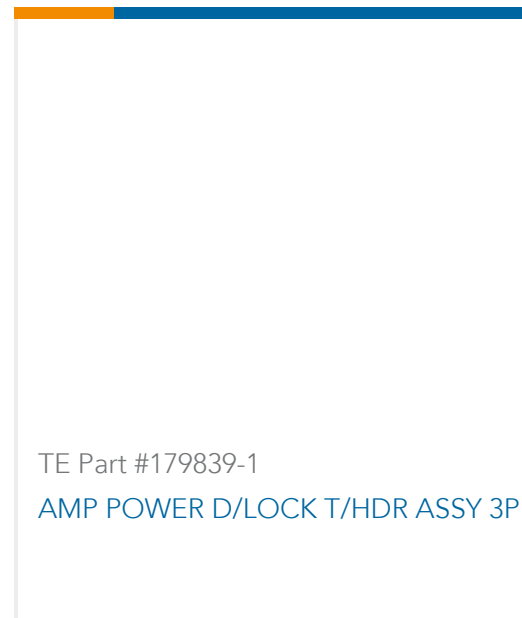
TE Part #5-1971773-3
PTL 1X3 PLUG HSG HIGH TEMP KEY
A LGR



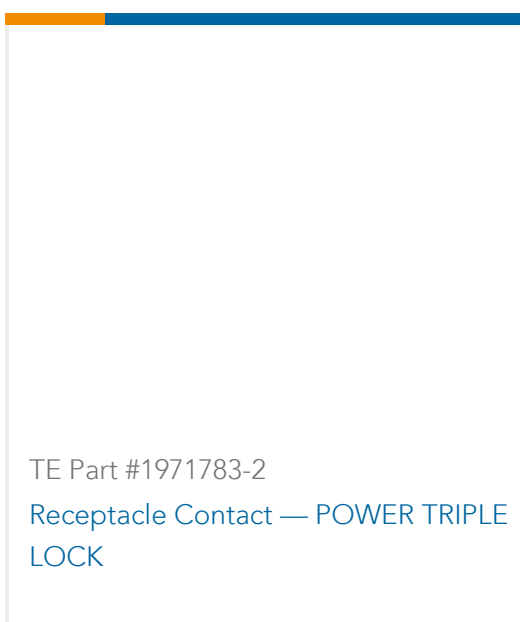
TE Part #5-1971772-4
POWER TRIPLE LOCK High
Temperature Caps



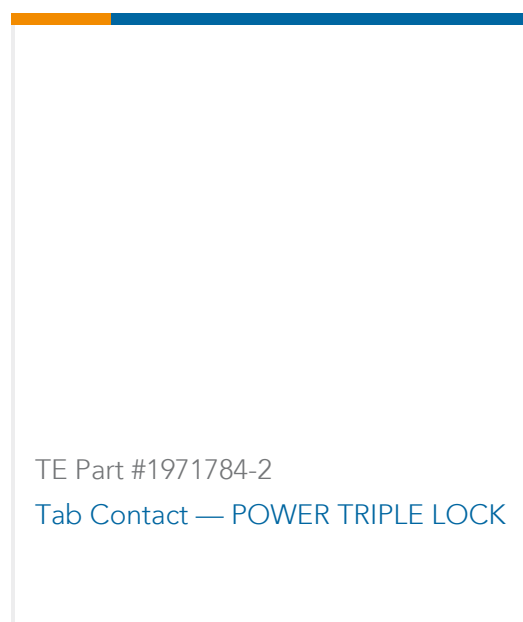
TE Part #1971778-3
Locking Plate, POWER TRIPLE LOCK,
TPA



TE Part #179839-1
AMP POWER D/LOCK T/HDR ASSY 3P



TE Part #1971783-2
Receptacle Contact — POWER TRIPLE
LOCK



TE Part #1971784-2
Tab Contact — POWER TRIPLE LOCK

Documents

Product Drawings

PTL 2X3 CAP PANEL MT HIGH TEMP KEY A LGR

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_5-1971775-3_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1971775-3_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1971775-3_F.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

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English