



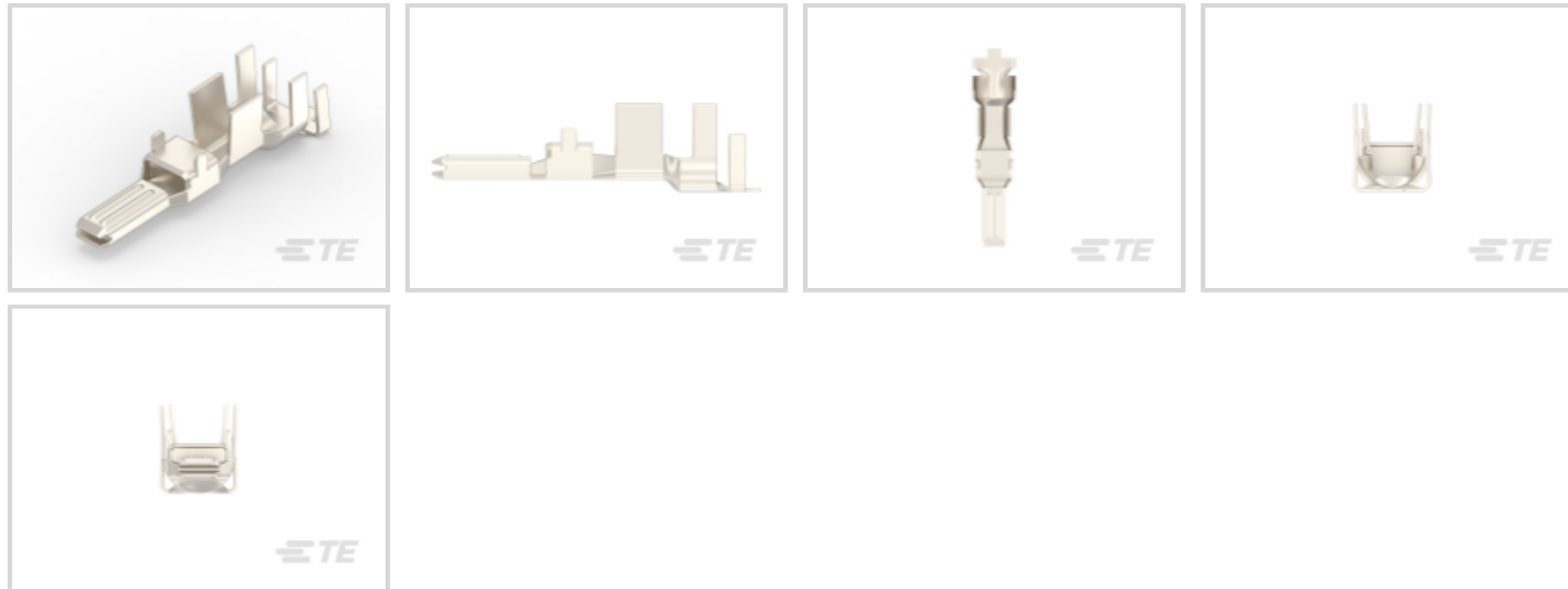
Power Triple Lock

TE Internal #: 1971780-2

Power Contacts, Contact, 600 VAC, 600 VDC, Pre-Tin, 12 AWG Wire Size, 3 mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Power, Power Triple Lock

[View on TE.com >](#)

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



Power Contact Type: **Contact**

Operating Voltage: **600 VDC**

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

Wire Size: **12 AWG**

All POWER TRIPLE LOCK TAB CONTACT (12)

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	Tab
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
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Mechanical Attachment

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

Dimensions

Wire Size	3 mm ²
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

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	Cap Housing

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-C1701A
 POWER TRIPLE LOCK HIGH TEMP CAP

TE Part # 1-1971875-4
 PTL 3X4 CAP PANEL MT STD TEMP KEY A NAT

TE Part # 1452426-1
 EXTRACTION TOOL

TE Part # 2305570-1
 TERMINAL CUTTER, SIDE FEED

TE Part # 2217268-1
 SDE HAND TOOL

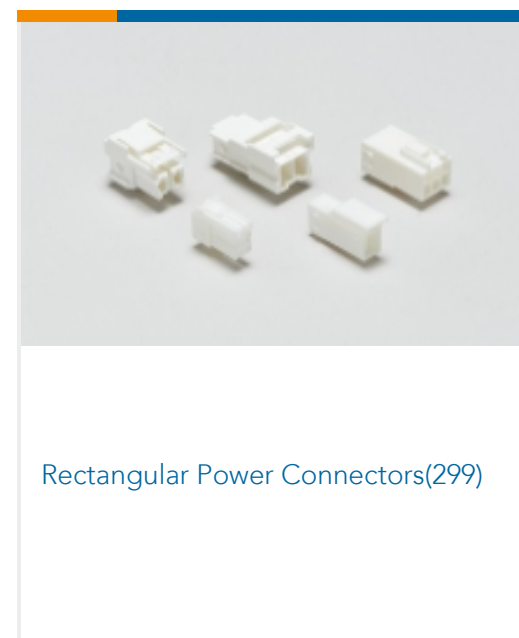
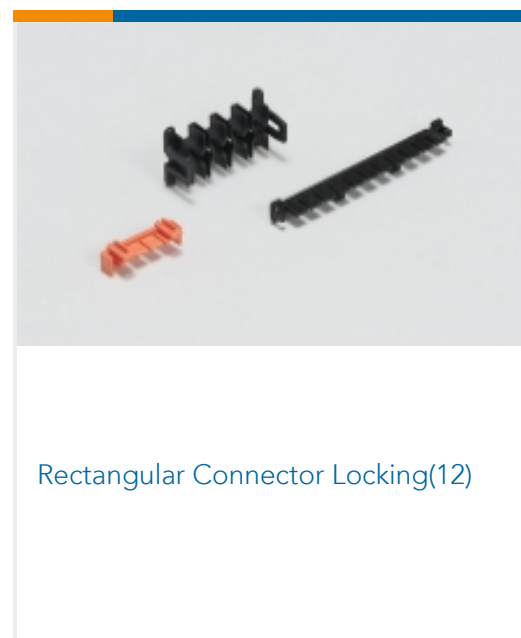
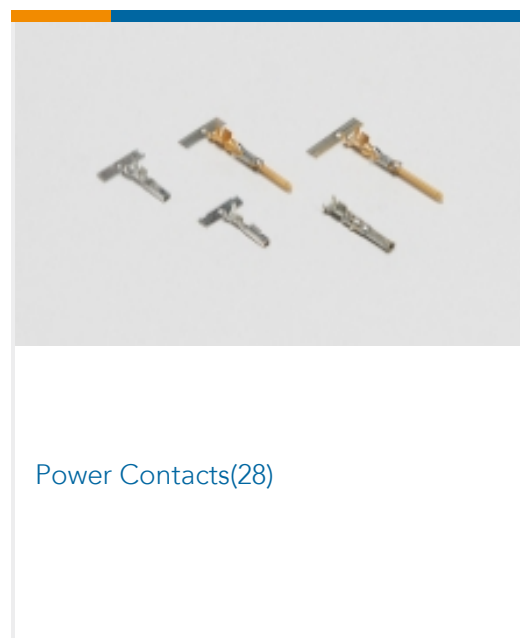
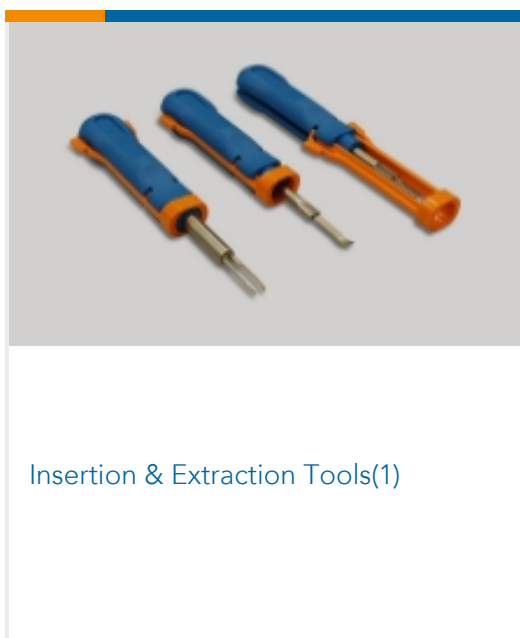
TE Part # 2-2151741-1
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TE Part # 2-2151741-2
 OCEAN_2.0_Applicator-S-120F190F

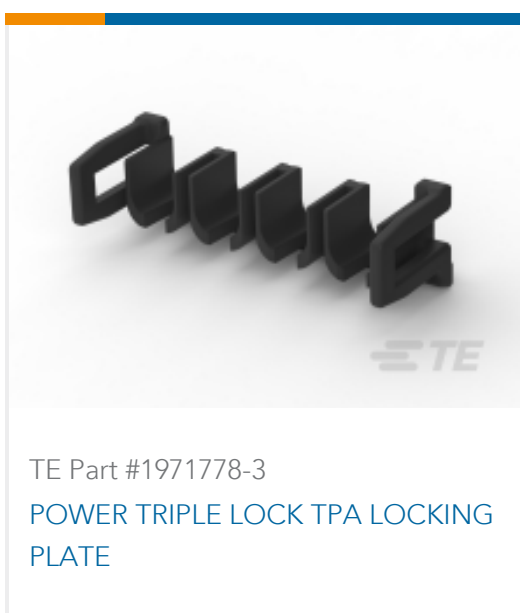
TE Part # 2151741-1
 OCEAN_2.0_Applicator-S-120F190F



Also in the Series | Power Triple Lock



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1971780-2_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971780-2_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1971780-2_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

[TE Material Declaration](#)

English

Instruction Sheets

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

English