



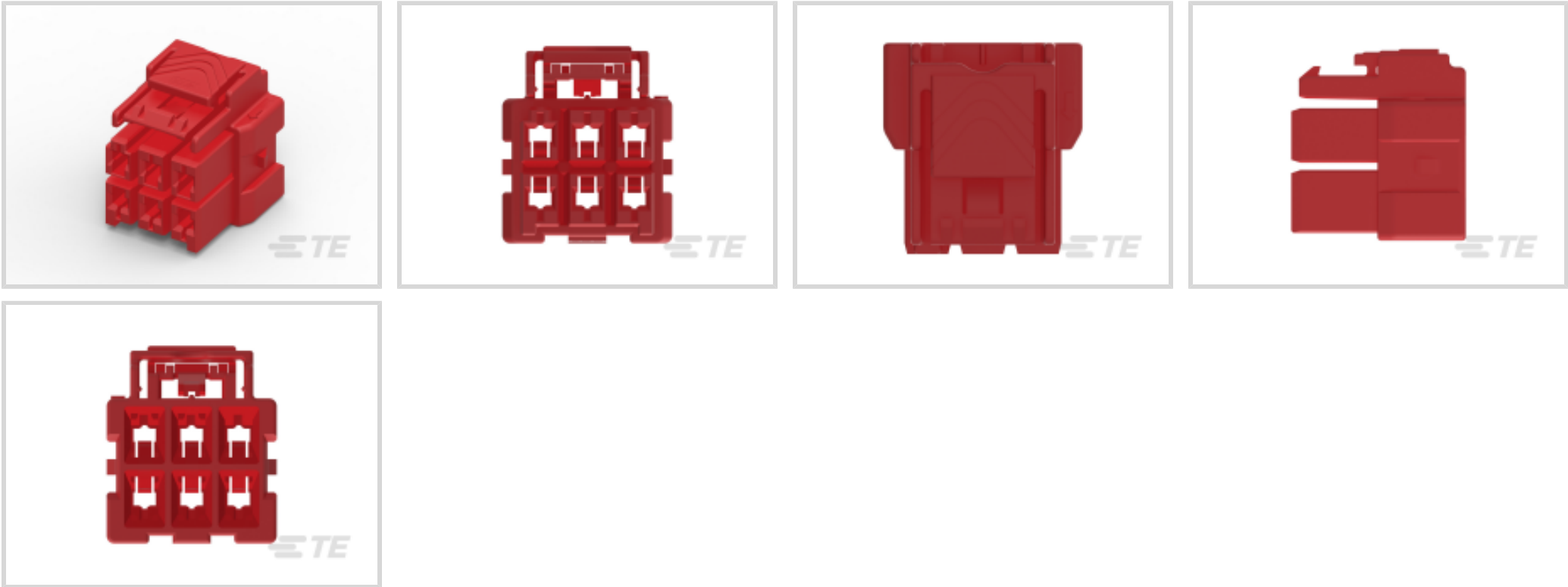
Power Triple Lock

TE Internal #: 6-1971776-3

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

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > High Temperature Plug - POWER TRIPLE LOCK



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

[All High Temperature Plug - POWER TRIPLE LOCK \(43\)](#)

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
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
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Body Features

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Cable Exit Angle	180°
Connector & Keying Code	B

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	6 mm[.236 in]
Housing Color	Red
Housing Material	Nylon

Dimensions

Row-to-Row Spacing	8.1 mm[.319 in]
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Usage Conditions

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

Circuit Application	Power
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Glow Wire Material Rating	Material with GWIT ≥ 775°C
UL Rating	Recognized
Compatible With Agency/Standards Products	UL, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 850°C (Flame ≤ 30 sec)

Packaging Features

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Packaging Method	Carton
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 1971787-2
PTL RECEPTACLE CONTACT, 2X18 AWG



TE Part # 6-1971775-3
PTL 2X3 CAP PANEL MT HIGH TEMP KEY B RED



TE Part # 1452426-1
EXTRACTION TOOL

Also in the Series | Power Triple Lock



Connector Contacts(28)

Connector Hardware(12)

Insertion & Extraction Tools(1)

Rectangular Power Connectors(301)

Customers Also Bought

TE Part # 5-1971876-3
High Temperature Plug - POWER TRIPLE LOCK

TE Part # 5-1971772-3
PTL 1X3 CAP PANEL MT HITEMP KEY A LGR

TE Part # 1-176282-1
AMP UNIVERSAL POWER CAP 2P

TE Part # 63769-1
187 FASTON REC 18-16 AWG BR

TE Part # 1742626-1
250 FASTON,FLAG,REC.,16-14 AWG, NPST

TE Part # 1969843-1
187 FAST & 110 PL HSG.,REC.,3P, BLACK

TE Part # 1969825-4
EP 2.5 TPA RETAINER, 4 POS

TE Part # 353148-5
POSITIVE LOCK 187 HOUSING RECEPTACLE

TE Part # 521955-2
PL MKIII 250 REC HSG 2P

Documents

Product Drawings
PTL 2X3 PLUG HSG HIGH TEMP KEY B RED
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_6-1971776-3_E.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_6-1971776-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1971776-3_E.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English

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English