7-1971876-7 ✔ ACTIVE

Power Triple Lock

TE Internal #: 7-1971876-7

15 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-0, 6 mm [.236 in] Centerline, 3 Row, 600 VAC, Wire & Cable, Power, Power Triple Lock

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > High Temperature Plug — POWER TRIPLE LOCK







Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Termination Method to Wire & Cable: **Crimp**

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

Contact Retention Within Housing: **Without**

All High Temperature Plug — POWER TRIPLE LOCK (43)

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	15
Number of Rows	3
Number of Power Positions	15

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Connector & Keying Code	C
Primary Product Color	Black
Cable Exit Angle	180°

Contact Features

Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Glow Wire Material Rating	Material with GWIT ≥ 775°C
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	High Temperature Part - Not Glow Wire

Packaging Features

Packaging Method	Carton

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



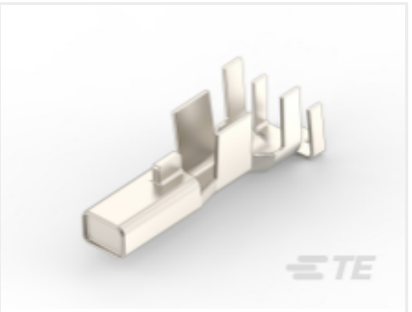
TE Part # 1-2232357-5
PTL 3X5 PLUG HSG HOT WIRE KEY A BLK



TE Part # 1452426-1
EXTRACTION TOOL



TE Part # 7-1971875-7
PTL 3X5 CAP PANEL MT HITEMP KEY C BLK



TE Part # 1971779-2
PTL RECEPTACLE CONTACT, 12 AWG

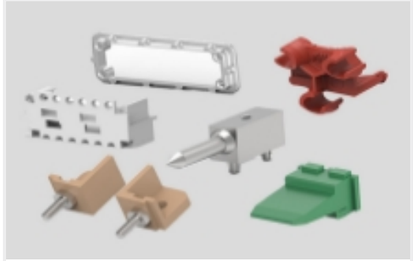


TE Part # 1-2232356-5
PTL 3X5 CAP PANEL MT HOT WIRE KEY A BLK

Also in the Series | Power Triple Lock



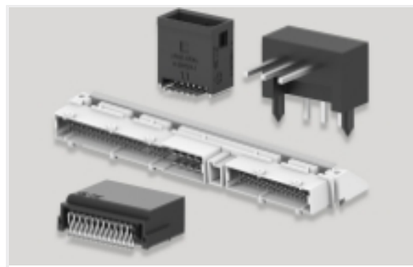
Connector Contacts(26)



Connector Hardware(12)



Insertion & Extraction Tools(1)



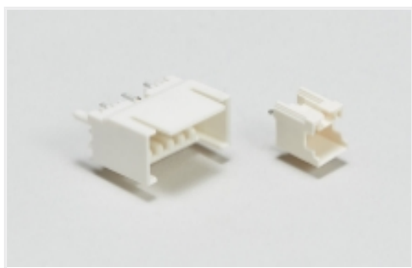
PCB Headers & Receptacles(21)



Power Contacts(26)



Rectangular Power Connectors(301)

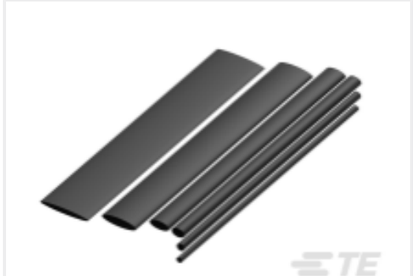


Wire-to-Board Headers & Receptacles (21)

Customers Also Bought



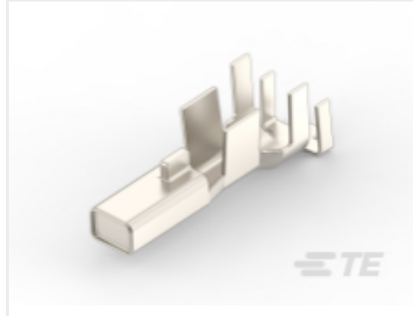
TE Part #938365P002
VERSAFIT-1/8-0-0.75IN-ST



TE Part #CAT-HST-RNF150
RNF-150 Heat Shrink Tubing



TE Part #62814-1
250 FASTON FLAG REC 22-18 AWG BR



TE Part #CAT-P87074-R2435
Receptacle Contact — POWER TRIPLE LOCK



TE Part #3-1971876-7
PTL 3X5 PLUG HSG STD TEMP KEY C BLU



TE Part #5-1971876-7
PTL 3X5 PLUG HSG HIGH TEMP KEY A LGR



TE Part #2217267-1
SDE COMMERCIAL TOOL/DIE



TE Part #7-2232265-3
PTL 1X3 PLUG HSG GLW WIRE KEY C GRN

Documents

Product Drawings

PTL 3X5 PLUG HSG HIGH TEMP KEY C BLK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_7-1971876-7_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_7-1971876-7_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_7-1971876-7_E.3d_stp.zip

English

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Product Specifications

Application Specification

English