

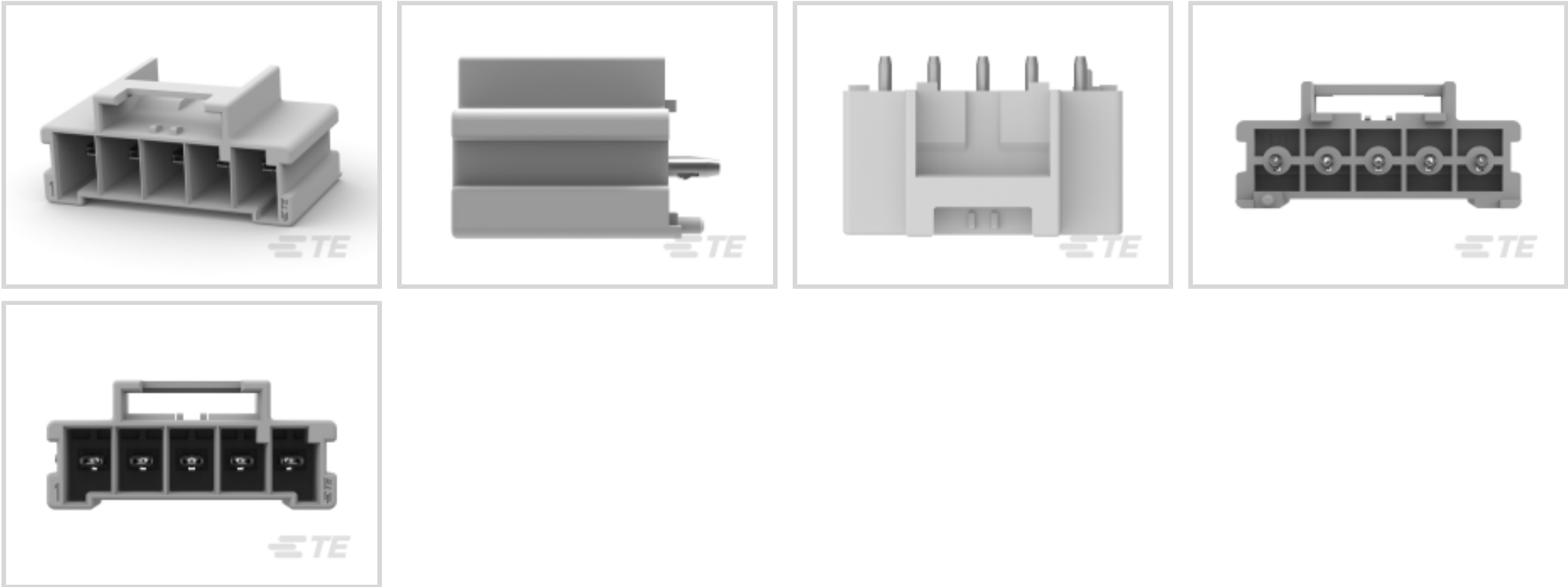


Power Triple Lock

TE Internal #: 1-1969688-5
PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 6 mm [.236 in] Centerline, Fully Shrouded, Pre-Tin, Through Hole - Solder, Power Triple Lock

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **5**
Number of Rows: **1**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	5
Number of Loaded Positions	5
Number of Power Positions	5
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Body Features

Connector & Keying Code	A
Primary Product Color	Light Gray

Contact Features

PCB Contact Termination Area Plating Material Finish	Bright
Contact Size	2.7mm
Mating Tab Width	2.7 mm[.106 in]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Base Material	Copper Alloy
Mating Tab Thickness	1.5 mm[.059 in]
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	17 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.33 mm[.131 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Latch Retainer
Mating Retention	With
Mating Alignment Type	Keyed, Polarization
PCB Mount Alignment Type	Guide Pin
PCB Mount Retention	Without
PCB Mount Alignment	With



Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6 mm [.236 in]

Dimensions

Connector Width	14.95 mm [.588 in]
PCB Thickness (Recommended)	1.58 mm [.062 in]
Connector Height	18.3 mm [.72 in]
Connector Length	33.7 mm [1.326 in]

Usage Conditions

Operating Temperature (Max)	150 °C [302 °F]
Operating Temperature Range	-55 – 150 °C [-67 – 302 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	72
Packaging Method	Tray

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 2025
(247)
Candidate List Declared Against: JUNE
2024 (241)
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	Wave solder capable to 240°C

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 # 5-1971773-7
PTL 1X5 PLUG HSG HIGH TEMP KEY
A LGR

Also in the Series | Power Triple Lock

Connector Contacts(26)

Connector Hardware(12)

Insertion & Extraction Tools(1)

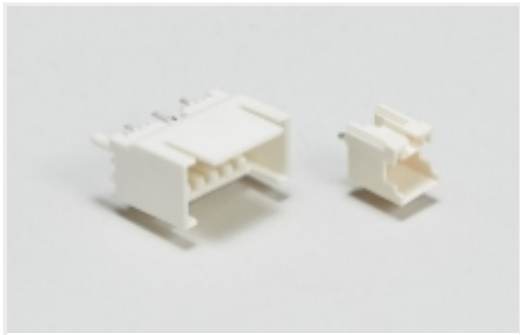
PCB Headers & Receptacles(21)



[Power Contacts\(26\)](#)



[Rectangular Power Connectors\(301\)](#)



[Wire-to-Board Headers & Receptacles \(21\)](#)

Customers Also Bought



TE Part #1-1743284-2
[MQS HDR 8P ASSY\(H-TYPE\) BLK](#)



TE Part #1971779-2
[PTL RECEPTACLE CONTACT, 12 AWG](#)



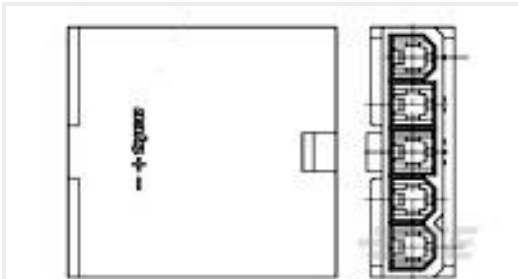
TE Part #5-1971773-7
[PTL 1X5 PLUG HSG HIGH TEMP KEY A LGR](#)



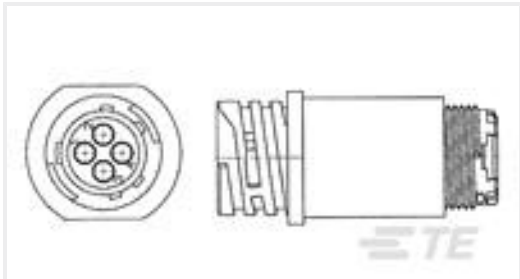
TE Part #8-34145-1
[PG R 22-16 COMM 22-18 MIL 8 A LGR](#)



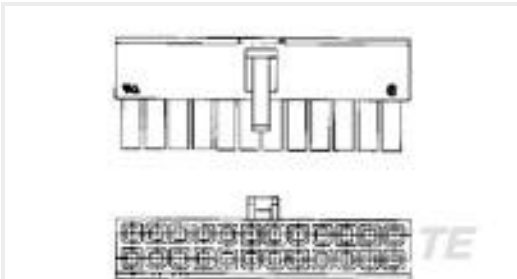
TE Part #928781-2
[FF 110 TAB 1.0-2.5 MM2 PTP CUZN30](#)



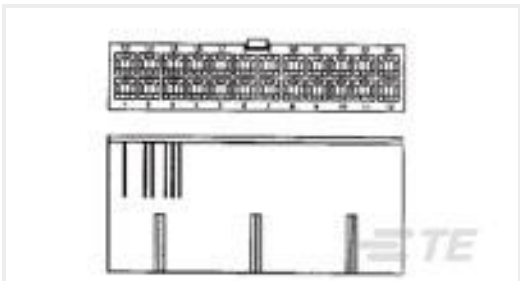
TE Part #2029111-3
[3P PLUG SR VAL-U-LOK FH GW](#)



TE Part #796096-2
[SLD CPC RCPT ASY,11-4,STD SEX](#)



TE Part #1586765-6
[6P RCPT VAL-U-LOK GW](#)



TE Part #1586862-6
[6P FH PLUG VAL-U-LOK FH GW](#)



TE Part #342183-1
[12-10 F.E.P.G. RING TONGUE 3BA](#)

Documents

Product Drawings

[PTL 1X5 PCB HEADER VERT HITEMP KEY A LGR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1969688-5_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-1969688-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969688-5_B.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

[9-1773465-1Power Triple Lock QRG](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English