



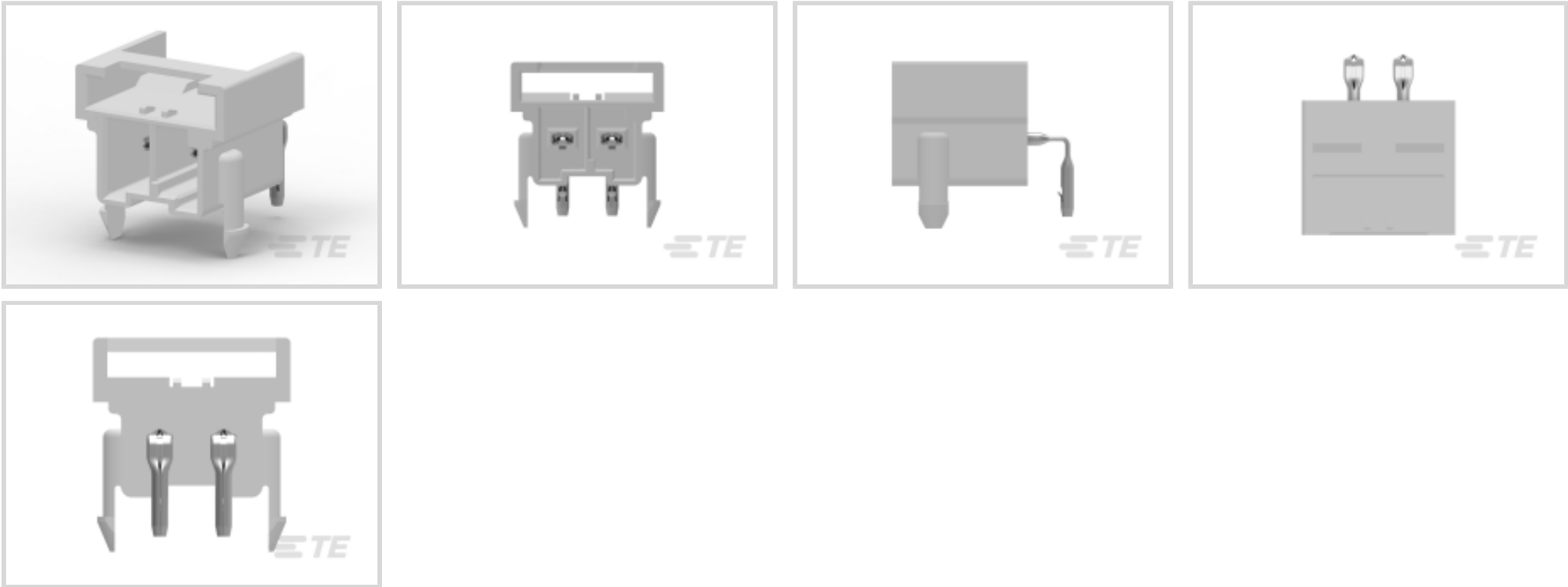
Power Triple Lock

TE Internal #: 1-1969694-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 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: **Right Angle**

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

Number of Positions: **2**

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	2
Number of Loaded Positions	2
Number of Power Positions	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



Number of Positions	2
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)	19.5 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 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 Retention Type	Retention Post
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount



Mating Alignment	With
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Housing Features

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

Dimensions

Connector Width	16.3 mm[.642 in]
PCB Thickness (Recommended)	1.58 mm[.062 in]
Connector Height	14.95 mm[.588 in]
Connector Length	15.7 mm[.618 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	112
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: JAN 2025 (247)



Candidate List Declared Against: JAN 2025
(247)
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

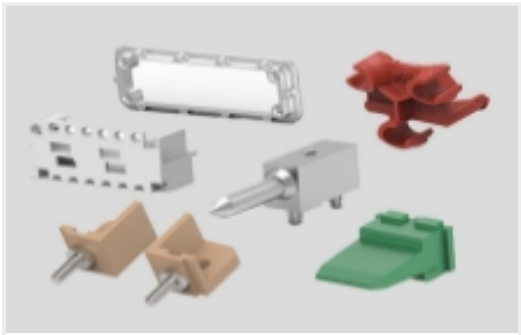


TE Part # 9-1971773-2
PTL 1X2 PLUG HSG HIGH TEMP KEY
A LGR

Also in the Series | Power Triple Lock



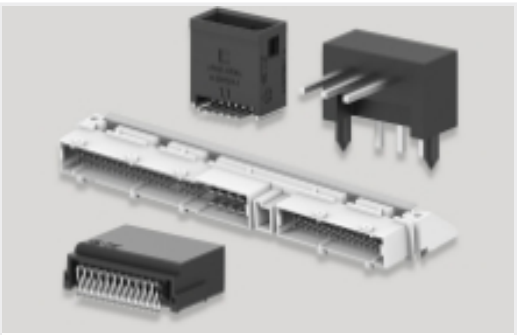
Connector Contacts(26)



Connector Hardware(12)



Insertion & Extraction Tools(1)



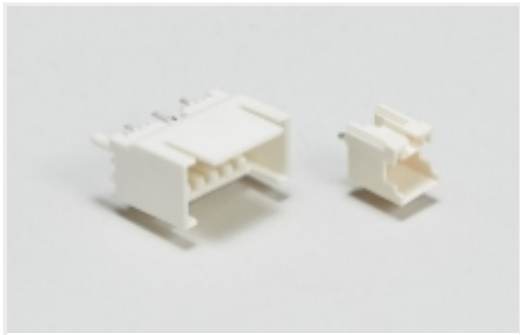
PCB Headers & Receptacles(21)



Power Contacts(26)



Rectangular Power Connectors(301)

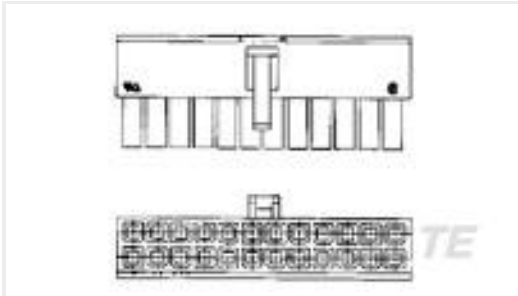


Wire-to-Board Headers & Receptacles (21)

Customers Also Bought



TE Part #1060-14-0144
PIN, SF, SIZE 16, 14-18, AU/SN



TE Part #1586765-8
8P RCPT VAL-U-LOK GW



TE Part #CONMHF1-SMD-G-T
U.FL/MHF1 Jack 50 Ohm PCB Surface Mount



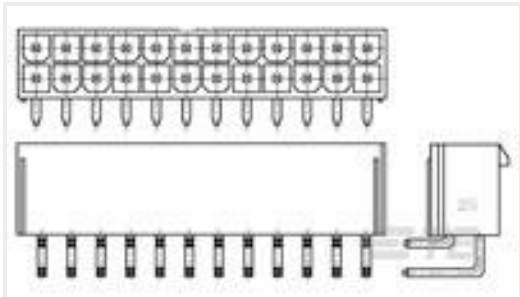
TE Part #9-1614353-1
RN 0603 49R9 0.1% 10PPM CUT LENGTH



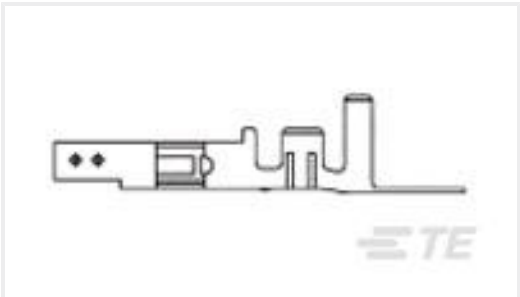
TE Part #1062-20-0177
SOC, SF, SIZE 20, 16-22, SN/SN



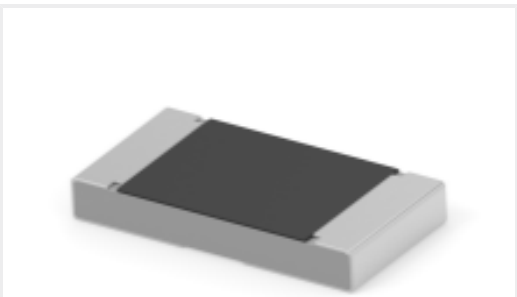
TE Part #HD34-18-21SN
REC, 21P, AL, N, 20, S



TE Part #1586863-8
8P VAL-U-LOK R/A HDR GW



TE Part #1586315-4
VAL-U-LOK SKT PHBZ AU 24-18 LP



TE Part #2-2176528-3
3503G 2B 10K 1% 5K RL



TE Part #9-1971773-2
PTL 1X2 PLUG HSG HIGH TEMP KEY A LGR

Documents

Product Drawings

PTL 1X2 PCB HEADER R/A HITEMP KEY A LGR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1969694-2_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-1969694-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969694-2_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English

[VDE Certificate](#)

English