1969688-5 ✔ ACTIVE

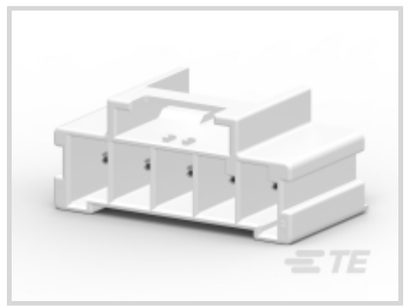
Power Triple Lock

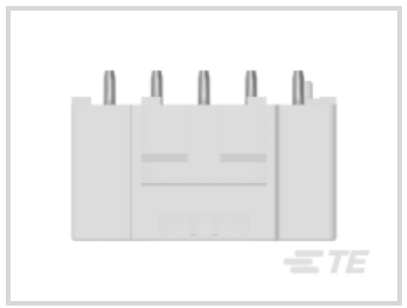
TE Internal #: 1969688-5

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

Body Features

Connector & Keying Code	A
Primary Product Color	Natural

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	PBT GF
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)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	72
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

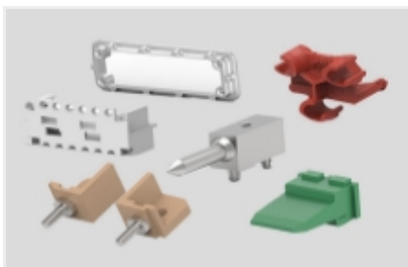
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-1971773-7
PTL 1X5 PLUG HSG STD TEMP KEY A NAT

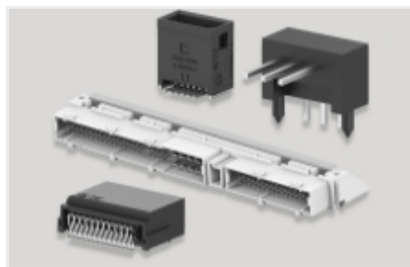
Also in the Series | Power Triple Lock

Connector Contacts(26)



Connector Hardware(12)

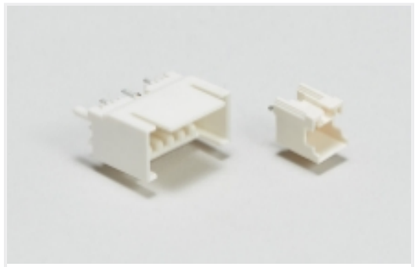
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(21)

Power Contacts(26)

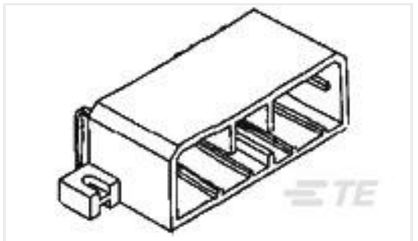
Rectangular Power Connectors(301)



Wire-to-Board Headers & Receptacles (21)

Customers Also Bought

TE Part #794407-1
MINI UNML SCKT 20-16 AWG SN

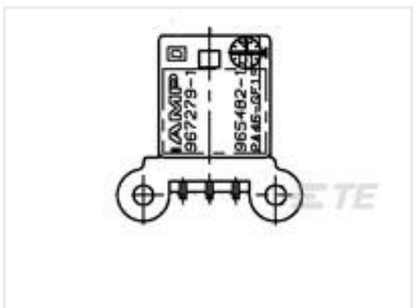


TE Part #173858-1
070 MULTILOCK CAP ASSY 12P

TE Part #1676153-2
RN 0805 10K 0.1% 10PPM 1KRL

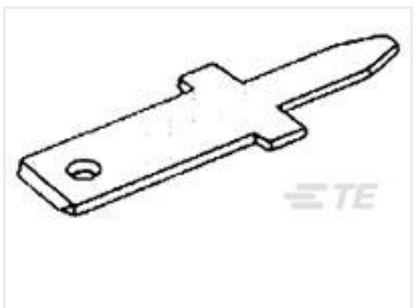
TE Part #1676221-2
RN 0805 1K0 0.1% 10PPM 1KRL

TE Part #4-2176345-0
CRGCQ 1210 18K 1%

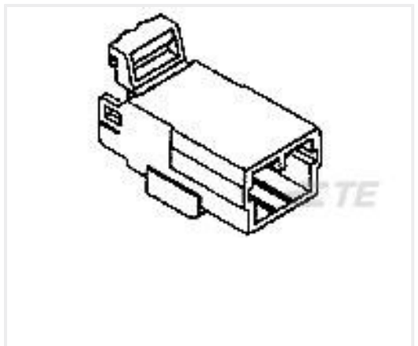


TE Part #967279-4
3pos MQS .63 header 90deg THR

TE Part #1-2176328-6
CRGP 1206 180R 1%



TE Part #63756-1
110 FASTON TAB TPBR



TE Part #174928-1
070 MLC W-W CAP HSG 3P NATURAL

TE Part #174915-6
HYBRID 76P CAP ASS'Y

Documents

Product Drawings

PTL 1X5 PCB HEADER VERT STDTMP KEY A NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969688-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969688-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_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

9-1773465-1Power Triple Lock QRG

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English

VDE Certificate

English