

1969688-4 ✓ ACTIVE



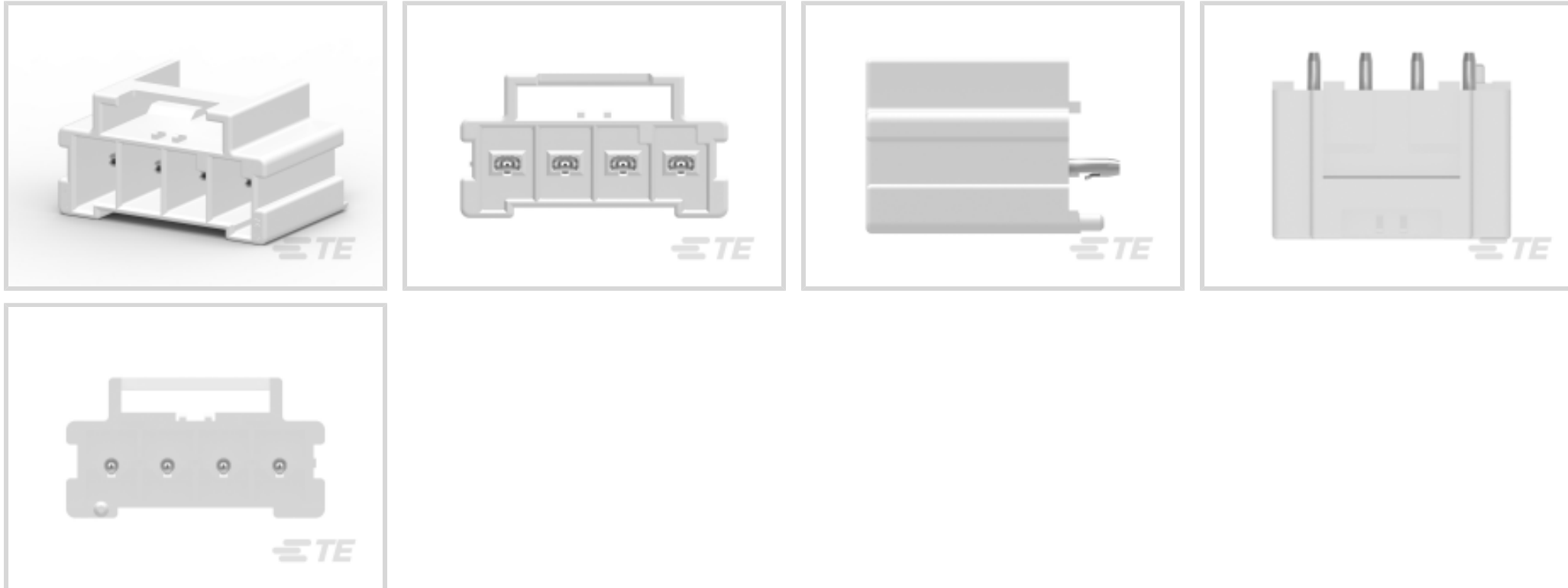
Power Triple Lock

TE Internal #: 1969688-4

PCB Mount Header, Vertical, Wire-to-Board, 4 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



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Columns	4
Number of Loaded Positions	4
Number of Power Positions	4



Connector Contact Load Condition	Fully Loaded
----------------------------------	--------------

PCB Mount Orientation	Vertical
-----------------------	----------

Number of Positions	4
---------------------	---

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)	18 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	27.7 mm [1.09 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	90
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 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

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 # 1-1971773-4
PTL 1X4 PLUG HSG STD TEMP KEY A
NAT

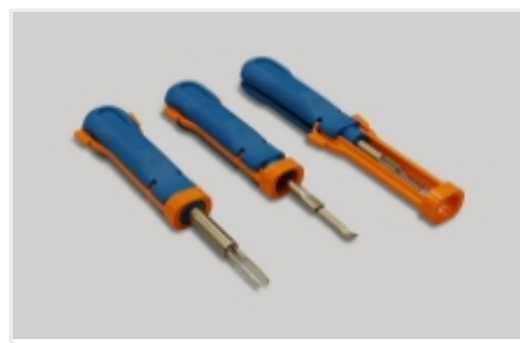
Also in the Series | Power Triple Lock



Connector Contacts(26)



Connector Hardware(12)



Insertion & Extraction Tools(1)

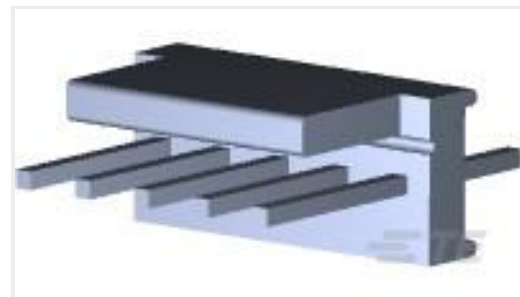
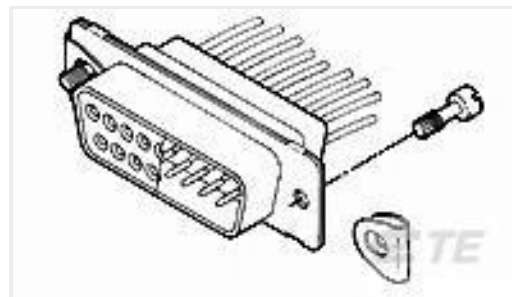
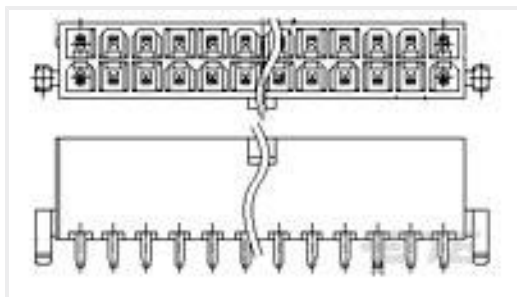
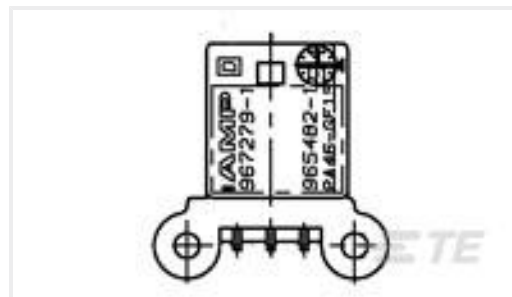
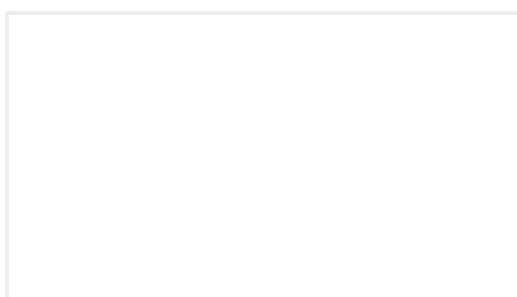


PCB Headers & Receptacles(21)



Rectangular Power Connectors(280)

Customers Also Bought

TE Part #1971777-5
PTL TPA HIGH TEMP 1 x 5 BLACKTE Part #3-641213-5
05P MTA100 HDR ASSY PO/ST LFTE Part #1857211-3
4-40 UNC Screw Retainer Kit AmTE Part #103673-1
02 MTE HDR SRRA LATCH W/HLDWNTE Part #2-1775099-0
ATX PWR CONN 2 BDLK 4 POSTE Part #5-1971773-7
PTL 1X5 PLUG HSG HIGH TEMP KEY
A LGRTE Part #967279-4
3pos MQS .63 header 90deg THRTE Part #1969688-5
PTL 1X5 PCB HEADER VERT STDTMP
KEY A NATTE Part #8-1393238-4
RTD34015TE Part #1438122-1
1 X 4 LOW PROFILE_HARNESS ASSE

Documents

Product Drawings

[PTL 1X4 PCB HEADER VERT STDTMP KEY A NAT](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_1969688-4_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1969688-4_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1969688-4_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