



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

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	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	1
Number of Loaded Positions	3
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	32 VDC
-------------------	--------

Body Features

--	--



Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.2 µm[7.87 µin]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.6 mm[.023 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.007 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2 mm[.078 in]

Dimensions

Connector Width	6.4 mm[.251 in]
Connector Height	13 mm[.511 in]
Connector Length	13.8 mm[.543 in]



Usage Conditions

Operating Temperature Range	-30 – 75 °C[-22 – 167 °F]
-----------------------------	---------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	2800
Packaging Method	Tube

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	Wave solder capable to 265°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 # 2-1473562-3
RITS CONN. PLUG ASSY 3P BLUE



TE Part # 3-1473562-3
RITS CONN. PLUG ASSY 3P ORANGE



TE Part # 3-2296184-3
RITS CONN. PLUG ASSY 3P ORANGE
TIN COVER



TE Part # 1-1473562-3
RITS CONN. PLUG ASSY 3P RED



TE Part # 1473562-3
RITS CONN. PLUG ASSY 3P YELLOW



TE Part # 3-2295044-3
RITS CONN. PLUG ASSY 3P ORANGE
TIN



TE Part # 4-1473562-3
RITS CONN. PLUG ASSY 3P GREEN

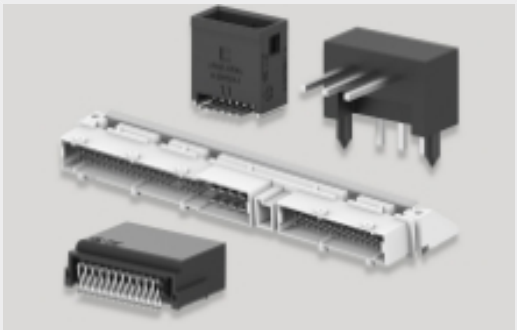


TE Part # 1-2295044-3
RITS CONN. PLUG ASSY 3P RED TIN



TE Part # 3-1554809-3
RITS CONN. PLUG ASSY 3P ORANGE
COVER

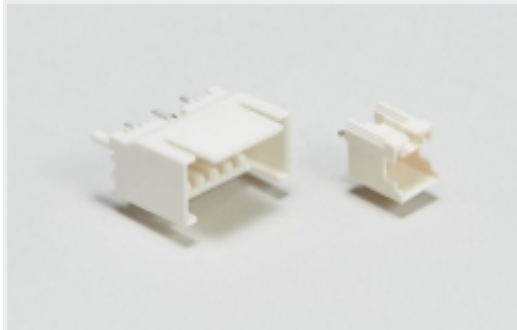
Also in the Series | [RITS Header Connectors PCB Mount](#)



PCB Headers & Receptacles(13)



Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles
(13)

Customers Also Bought



TE Part #1-171826-0
EI.SRS.POST HDR.ASS



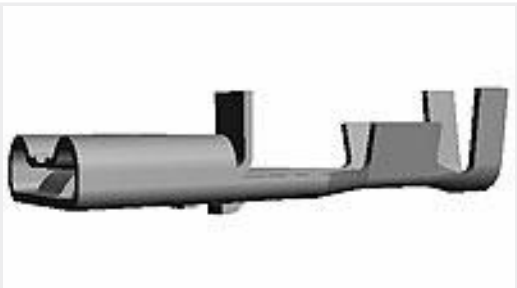
TE Part #170331-1
PL MKII 187 REC 20-16AWG PTBR LP



TE Part #5-2176360-6
RQ 0402 1K62 0.1% 10PPM 1K RL



TE Part #8-1622826-7
CRG0402 1% 16R



TE Part #170334-1
250 PL MIII,REC.,18-14 AWG,PTBR



TE Part #1565994-4
RITS HDR ASSY R/A SMT TYPE 4P WITH BOSS



TE Part #171825-6
POST HDR ASSY VERT AMP EI CONN



TE Part #1-178140-2
DYNAMIC D3200 HDR V ASSY 6P



TE Part #1473567-3
RITS CONN.HDR ASSY 4ROW 3P



TE Part #1-178317-2
DYNAMIC S/ROW HDR 8P V ASSY

Documents

Product Drawings

RITS CONN.HDR ASSY 3P

Japanese

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1473565-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_1473565-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_1473565-3_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Remote Input Output Terminal System (RITS) Connectors

English

Product Specifications

Standard Operating Procedure

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)



Japanese

[RITS Connector Interconnection System/e-CON Connector](#)

Japanese

[Agency Approvals](#)

[UL Report](#)

English