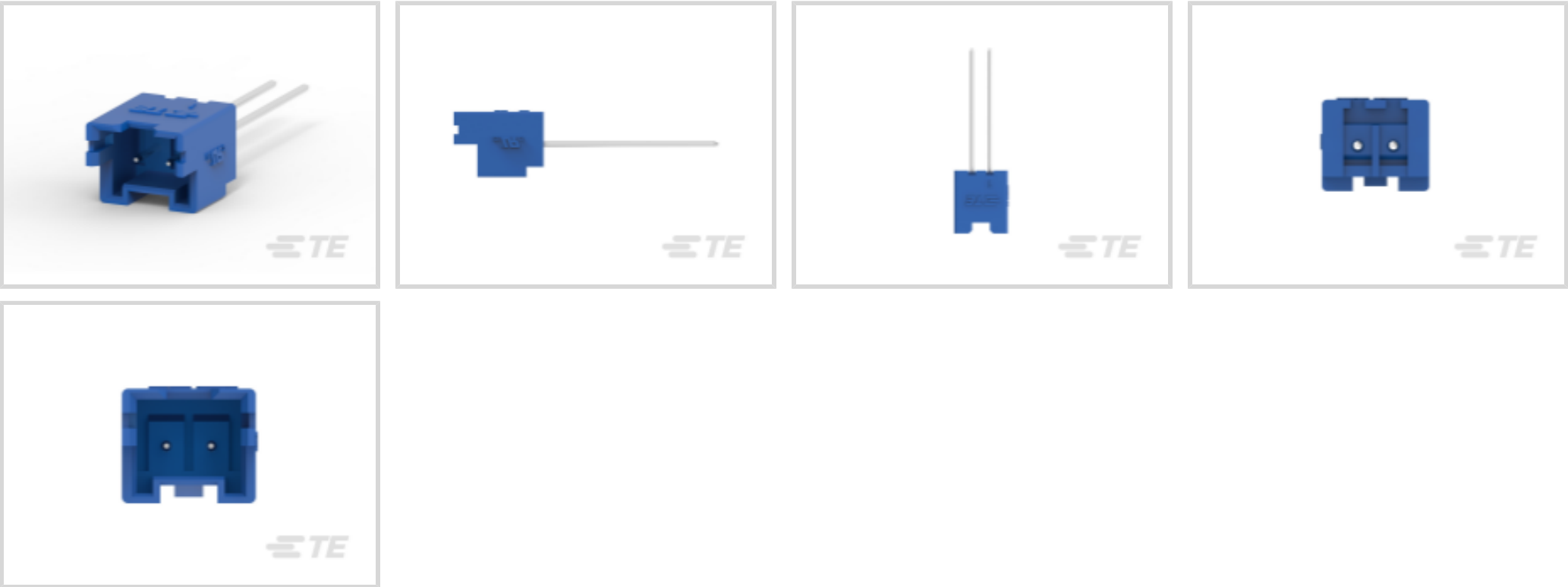




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Primary Product Color	Blue
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	PBT
Centerline (Pitch)	2.5 mm[.098 in]



Dimensions

Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.8 mm[.346 in]
Connector Length	7.5 mm[.3 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	900
Packaging Method	Tape

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 2019 (197) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG

TE Part # 1744423-1
EP 2.5 RCPT CONTACT, 24-20 AWG

TE Part # 2301559-2
EP 2.5 Plug Housing, 2 Pos

TE Part # 1-2300178-3
EP2.5 HDR ASSY 13P VERT W/ BOSS, RED

TE Part # 2338853-1
EP2.5 HDR 2P VERT W/O BOSS, TAPING,UL

TE Part # 1969443-2
EP 2.5 TPA Retainer, 2 Pos

TE Part # 2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG

Also in the Series | Economy Power 2.5

Connector Contacts(6)

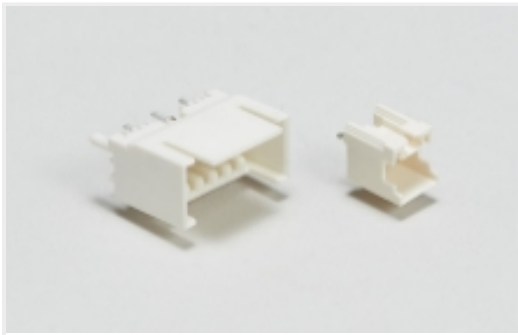
Connector Hardware(49)

PCB Headers & Receptacles(533)

Rectangular Power Connectors(531)

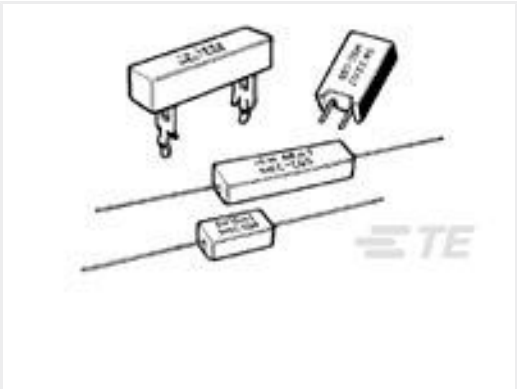


Wire-to-Board Connector Assemblies & Housings(305)



Wire-to-Board Headers & Receptacles (533)

Customers Also Bought



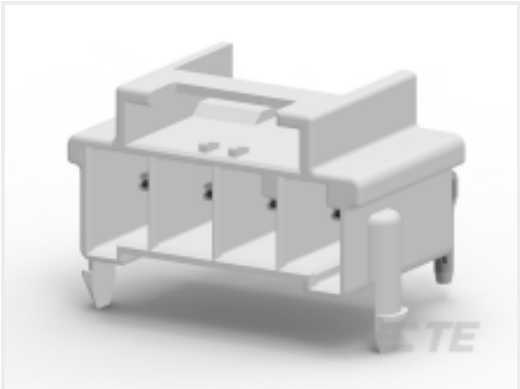
TE Part #2-1623795-3
SQP2 R047 5% WIRE



TE Part #YD369-B99-AP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



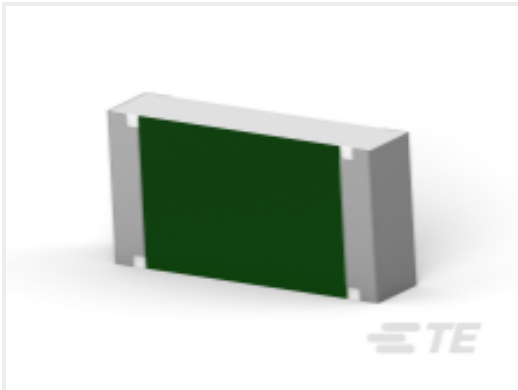
TE Part #YD369-B99-NP400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN



TE Part #1-1969694-4
PTL 1X4 PCB HEADER R/A HITEMP KEY A LGR



TE Part #YD369-B99-NS400000
369 9 WAY PANEL MNT REC, 90 PCB GOLD,SKT



TE Part #9-2176397-4
3502 7K5 1%



TE Part #1-1630019-4
HSC200 2K4 5%



TE Part #YDTS24T15-18PNV001
RECP ASSY



TE Part #YDTS24T21-35SNV001
RECP ASSY

Documents

Product Drawings

EP2.5 HDR 2P VERT W/O BOSS,TAPING,BLUE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2299683-1_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2-2299683-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2299683-1_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English