



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Connector Contact Load Condition	Selectively Loaded
PCB Mount Orientation	Vertical
Number of Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 µm[31.49 – 70.86 µin]



Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	1 μm[39.7 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.7 mm[.3 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Glass-Filled PBT

Dimensions

	1.4 in
Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	10.7 mm[.421 in]



Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power
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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	700
Packaging Method	Bag

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

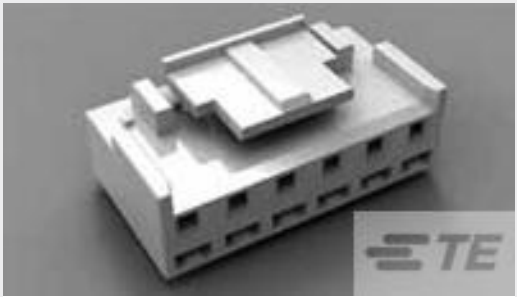
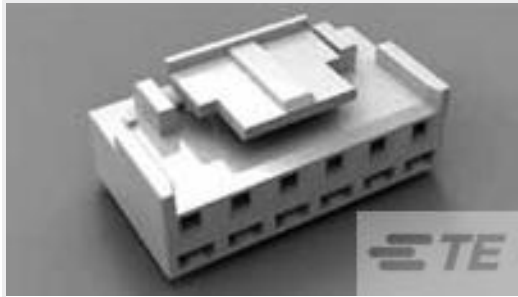
Product Compliance Disclaimer

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

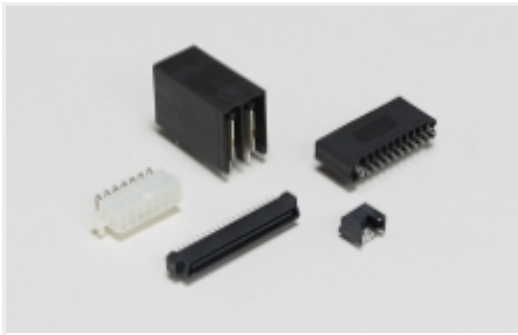
 TE Part # 1123721-1 EP CONN. REC CONTACT	 TE Part # 6-1123722-6 3.96 EP PLUG HSG 6P(GREEN)	 TE Part # 1744103-1 3.96 EPHDR ASSY 3P OMIT #2 PIN	 TE Part # 5-1123722-6 3.96 EP PLUG HSG 6P(BLACK)
 TE Part # 2-1123722-6 3.96 EP PLUG HSG 6P(YELLOW)	 TE Part # 4-1123722-6 3.96 EP PLUG HSG 6P(RED)	 TE Part # 1-1123722-6 3.96 EP PLUG HSG 6P(NATURAL)	 TE Part # 1123721-2 ECONOMY POWER CONN REC CONT
 TE Part # 1744416-9 9 POS EP II HSG, GLOW WIRE	 TE Part # 3-1123722-6 3.96 EP PLUG HSG 6P(BLUE)		

Also in the Series | Economy Power

 Connector Contacts(13)	 Connector Hardware(2)	 Power Contacts(7)	 Rectangular Connector Housings(104)
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[Rectangular Power Connectors\(547\)](#)



[Standard Rectangular Connectors\(104\)](#)



[Wire-to-Board Connector Assemblies & Housings\(104\)](#)

Customers Also Bought



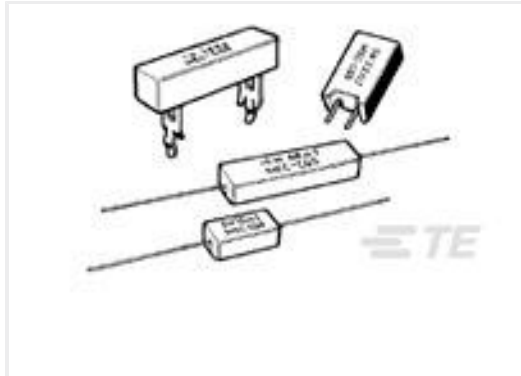
TE Part #YD369-B99-AP400000
[369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN](#)



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



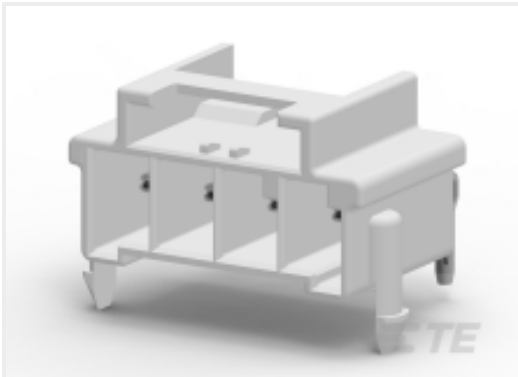
TE Part #YD369-B99-NP400000
[369 9 WAY PANEL MNT REC, 90 PCB GOLD,PIN](#)



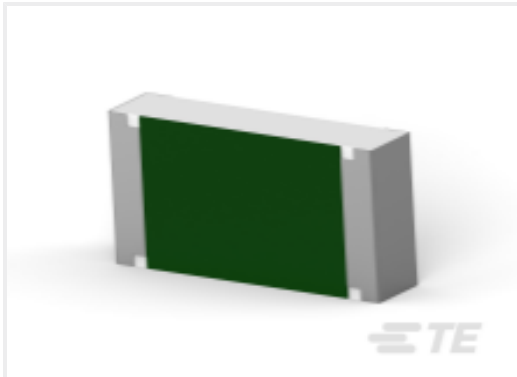
TE Part #2-1623795-3
[SQP2 R047 5% WIRE](#)



TE Part #1-1630019-4
[HSC200 2K4 5%](#)



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



TE Part #9-2176397-4
[3502 7K5 1%](#)



TE Part #YDTS24T15-18PNV001
[RECP ASSY](#)



TE Part #YDTS24T21-35SNV001
[RECP ASSY](#)

Documents

Product Drawings

[EP CONN.HDR ASSY 6/9P NATURAL \(NO.3,6,8](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1473978-6_AD.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2-1473978-6_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1473978-6_AD.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[7-1773458-5_ECONOMY_POWER_QRG](#)

English

Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

Japanese

[Economy Power \(EP\) Connector](#)

Japanese

Agency Approvals

[UL Report](#)

English