



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

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

PCB Mount Orientation	Vertical
Number of Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without



PCB Contact Termination Area Plating Material Thickness	2.032 μm[80 μin]
Mating Pin Diameter	.6 mm[.024 in]
PCB Contact Termination Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 – 5 μm[80 – 200 μin]
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.133 in]
Termination Method to Wire & Cable	Crimp
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarizing Tab
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Length	7.5 mm[.295 in]
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Connector Height	8 mm[.315 in]
Connector Width	9.58 mm[.377 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

Glow Wire Rating	Glow Wire
UL Flammability Rating	UL 94V-0
CSA Certified	Pending

Packaging Features

Packaging Quantity	500
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
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 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 # 1969442-9
EP 2.5 TPA Housing, 9 Pos

TE Part # 1744417-9
9 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1969729-9
EP2.5 Shrouded HDR ASSY 9P VERT w /o boss

TE Part # 2311995-3
EP2.5 HDR ASSY 3P VERT, GW,NO PIN 2

TE Part # 2311995-7
EP2.5 HDR ASSY 7P VERT, GW,NO PIN 6

Also in the Series | Economy Power 2.5

Insertion & Extraction Tools(1)

PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

Wire-to-Board Connector Assemblies & Housings(216)

Wire-to-Board Connector Contacts(6)

Wire-to-Board Headers & Receptacles (209)

Customers Also Bought

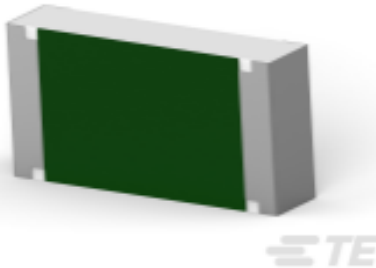




TE Part #3-1879453-1
Wirewound Resistor: Mineral, 2.5 Kw



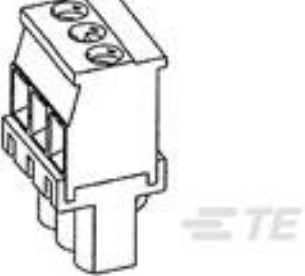
TE Part #6-1879352-9
RR02 5% 220R AMMO



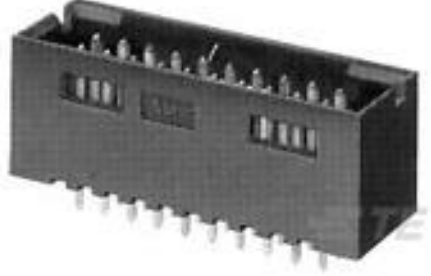
TE Part #9-2176397-4
3502 7K5 1%



TE Part #4-1879352-8
RR02 5% 30R AMMO



TE Part #1986371-3
Str Plug, 3.5mm, Green, LH, 3



TE Part #6-102619-5
34 MODII HDR DRST SHRD .100CL



TE Part #2-1623795-3
Wirewound Resistor: Horizontal Mount



TE Part #YDTS24T21-35SNV001
Jam Nut: D38999, 21-35 Insert



TE Part #42021
FASTON 250 (6.3MM) REC 16-12 AWG TPBR



TE Part #D369-R99-CS0
369 9 WAY REC, NO CONTACTS, SKT

Documents

Product Drawings

EP2.5 Shrd HDR ASSY 9P VERT, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744439-9_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744439-9_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744439-9_F.3d_stp.zip

English

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

Datasheets & Catalog Pages



7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

VDE Certificate

English