



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **1**

Features

Product Type Features

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 Loaded Positions	8
Number of Power Positions	10
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	1

Electrical Characteristics

--	--



Operating Voltage	250 VDC
-------------------	---------

Body Features

Connector Profile	Low
Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.5 – 70.86 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	8 A

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

Mating Retention Type	Locking Tab
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)	3.96 mm[.156 in]



Dimensions

Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.2 mm[.36 in]
Connector Length	39.54 mm[1.55 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Other

Position Locations Omitted	7, 9
Number of Blocked Positions	2

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: 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>

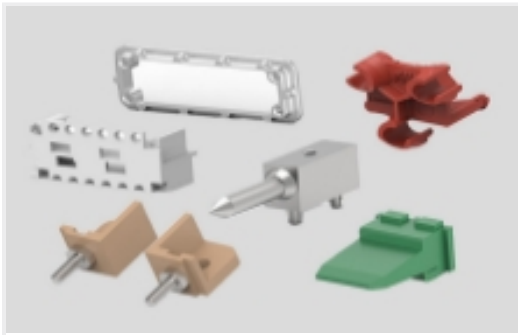
Compatible Parts

 TE Part # 1-1318300-0 3.96 EP HDR ASSY 10P NAT/TUBE	 TE Part # 1-2316952-6 3.96 EP HDR ASSY 6P,NO PIN 2,4	 TE Part # 1-2316952-0 3.96 EP HDR ASSY 10P, NO PIN 2,4,6,9	 TE Part # 1-1123723-5 3.96 EP HDR ASSY 5P(NATURAL)
 TE Part # 1-1123723-7 3.96 EP HDR ASSY 7P(NATURAL)	 TE Part # 1-1123723-0 3.96 EP HDR ASSY 10P(NATURAL)	 TE Part # 1-1744416-0 10 POS EP II HSG, GLOW WIRE	 TE Part # 2-2316952-0 3.96 EP HDR ASSY 10P, NO PIN 3,5,7,9
 TE Part # 1-1744498-0 10P EP-II HOUSING, BLACK	 TE Part # 1-1123723-3 3.96 EP HDR ASSY 3P(NATURAL)	 TE Part # 1-1123723-6 3.96 EP HDR ASSY 6P(NATURAL)	 TE Part # 1-2316952-8 3.96 EP HDR ASSY 8P, NO PIN 2,5,7

Also in the Series | Economy Power



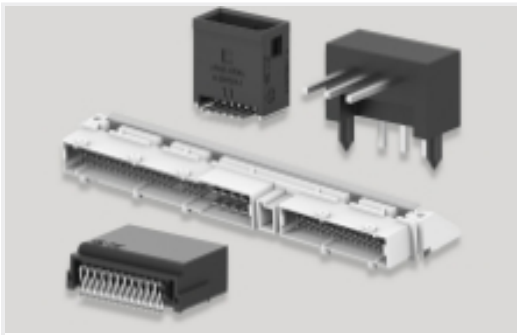
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



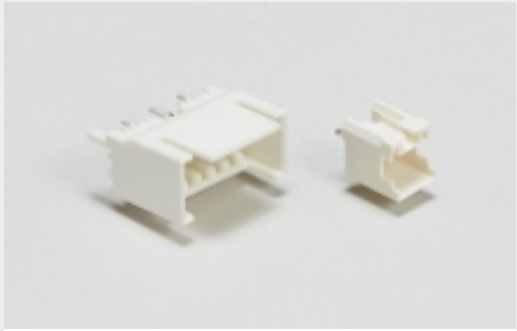
PCB Headers & Receptacles(402)



Power Contacts(9)



Rectangular Power Connectors(460)



Wire-to-Board Headers & Receptacles (402)

Customers Also Bought



TE Part #2316873-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4



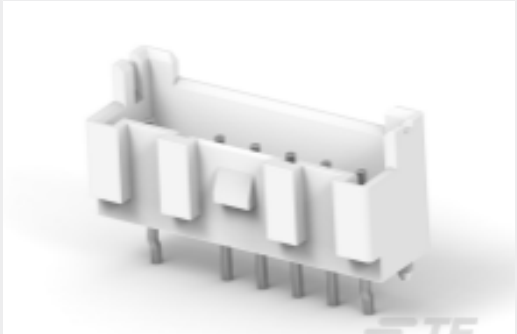
TE Part #5-292230-6
1.5 MINI CT SGL V SMT W/BOSS 6



TE Part #1-1123724-6
7.92EP HDR ASSY 6P NATURAL



TE Part #1-1744524-4
EP 04P HEADER ASY,GW, NO 3 PIN



TE Part #2316873-7
EP2.5 HDR ASSY 7P VERT, GW,NO PIN 6



TE Part #5-87589-4
16 MODII HDR DRST SHRD .100CL



TE Part #1447009-7
SHIELD FINGER 3525



TE Part #3-6609929-4
PE0SXSS3B=C2248



TE Part #2-917781-1
2.5 S.D.L POST/HDR ASY 3P STD



TE Part #1721081-7
PCJ-124D3M,301

Documents



Product Drawings

3.96 EP HDR ASSY 10P, NO PIN 7,9

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2316952-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2316952-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2316952-0_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