



Economy Power

TE Internal #: 2-1473059-3

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

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	3
Number of Power Positions	4
PCB Mount Orientation	Vertical
Number of Positions	4
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	1.14mm
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Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
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PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
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Contact Shape & Form	Square
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Contact Layout	Inline
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Contact Mating Area Length	7.7 mm[.303 in]
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Contact Base Material	Brass
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Tab
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Contact Current Rating (Max)	8 A
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Termination Features

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

Mating Retention Type	Locking Tab
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Mating Retention	With
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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Housing Features

Housing Material	PBT
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Centerline (Pitch)	3.96 mm[.156 in]
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Dimensions

Connector Width	8.5 mm[.334 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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Connector Height	9.2 mm[.36 in]
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Connector Length	15.78 mm[.621 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

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

Packaging Quantity	500
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Packaging Method	Bag
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Other

Position Locations Omitted	3
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Number of Blocked Positions	1
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

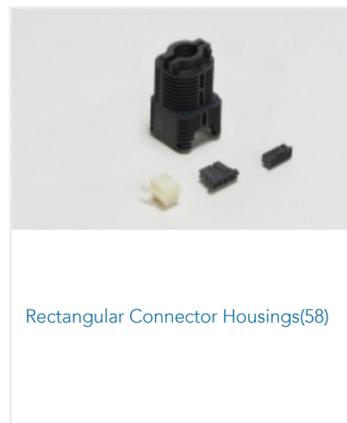
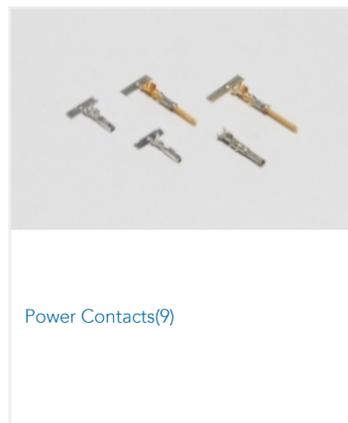
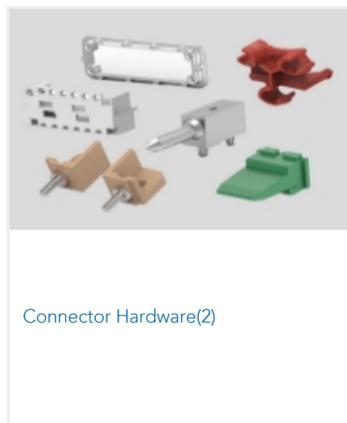
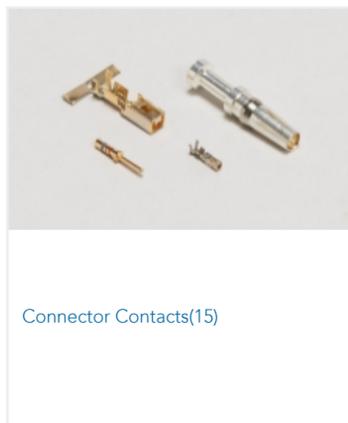
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | Economy Power





Rectangular Power Connectors(460)

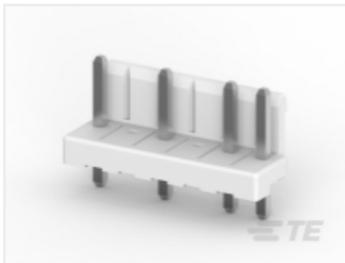


Standard Rectangular Connectors(58)



Wire-to-Board Connector Assemblies & Housings(141)

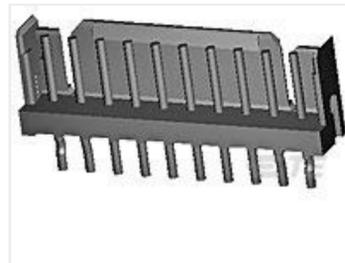
Customers Also Bought



TE Part #1-2316952-6
3.96 EP HDR ASSY 6P,NO PIN 2,4



TE Part #1-1123724-3
3.96EP HDR ASSY 3(5)P NATURAL



TE Part #292161-8
CT P/HDR ASSY V 8P W/KINK NAT



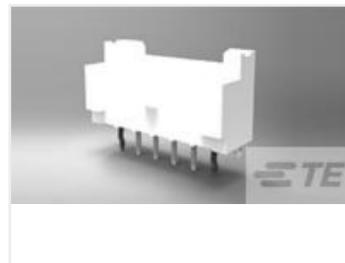
TE Part #1-1123724-2
3.96EP HDR ASSY 2(3)P NATURAL



TE Part #1-2316952-8
3.96 EP HDR ASSY 8P, NO PIN 2,5,7



TE Part #4-1123723-5
3.96 EP HDR ASSY 5P(RED)



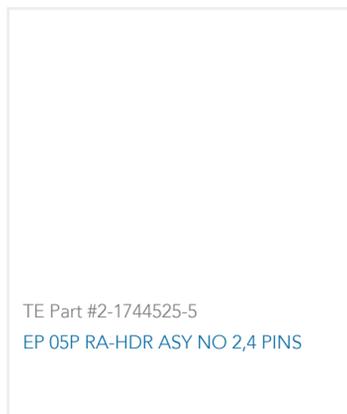
TE Part #1744418-6
6 POS EP 2.5 HDR, GLOW WIRE



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



TE Part #2311998-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4



TE Part #2-1744525-5
EP 05P RA-HDR ASY NO 2,4 PINS

Documents

Product Drawings

[EP CONN.HDR ASSY 3/4P NATURAL \(NO.3 POST\)](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1473059-3_AD.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2-1473059-3_AD.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1473059-3_AD.3d_stp.zip](#)

English

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

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