1744428-8 ✔ ACTIVE

Economy Power

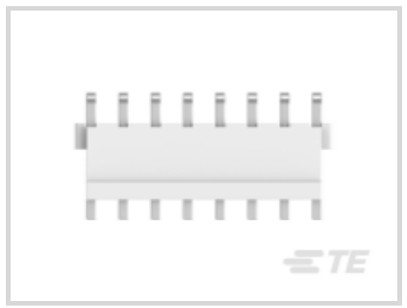
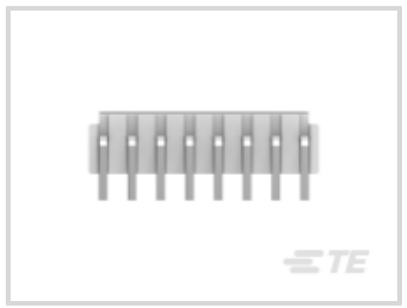
TE Internal #: 1744428-8

PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles




EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Loaded Positions	8
Number of Power Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	8

Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2 µm[80 µin]
Contact Layout	Inline
Contact Mating Area Length	8.6 mm[.339 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.6 mm[.141 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
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

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

Dimensions

Connector Width	9.4 mm[.37 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.21 mm[.323 in]
Connector Length	31.68 mm[1.24 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

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

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: JUNE 2024 (241) 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	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 # 1744416-8
8 POS EP II HSG, GLOW WIRE



TE Part # 1744544-8
EP II TPA 08P, BLACK

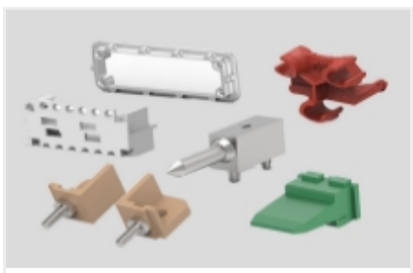


TE Part # 1744497-8
08P EP-II HOUSING, GREY

Also in the Series | Economy Power



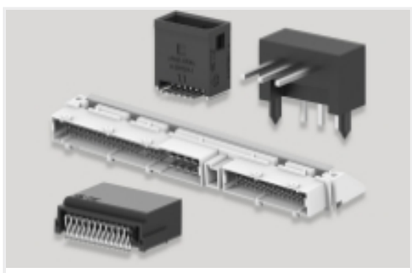
Connector Contacts(15)



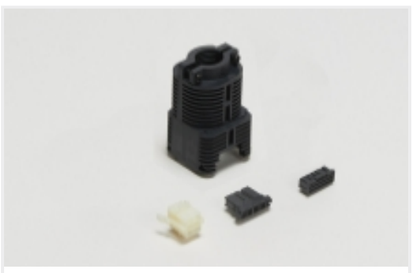
Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(402)



Rectangular Connector Housings(1)



Rectangular Power Connectors(57)

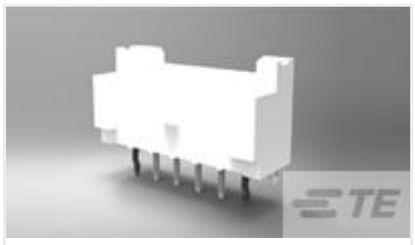


Wire-to-Board Connector Assemblies & Housings(141)

Customers Also Bought



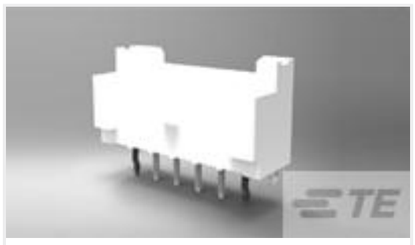
TE Part #440054-3
AMP HPI 2.0 mm Headers



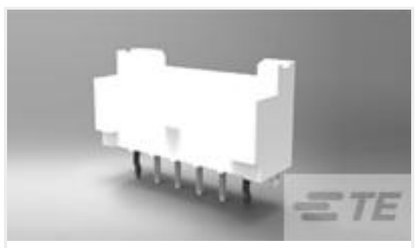
TE Part #1744418-6
6 POS EP 2.5 HDR, GLOW WIRE



TE Part #1969807-1
04P UMNL PIN HDR ASSY, PIN V0 GW



TE Part #1744418-2
2 POS EP 2.5 HDR, GLOW WIRE



TE Part #1744418-4
4 POS EP 2.5 HDR, GLOW WIRE



TE Part #1969803-1
03P UMNL PIN HDR ASSY NATL, PIN V0 GW



TE Part #1744429-2
3.96 EP HDR ASSY 2P W/PEGS, GW

Documents

Product Drawings

3.96 EP HDR ASSY 8P R/A, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744428-8_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744428-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744428-8_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

VDE Certificate

English