1744489-9

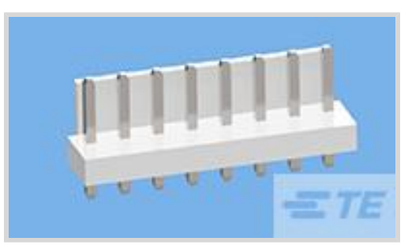
Economy Power

TE Internal #: 1744489-9

TE Internal Description: 3.96 EP HDR ASY 09P NO PEG, GW

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: **9**

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

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

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel

Contact Underplating Material Thickness	1 µm[39.37 µin]
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	3.048 µm[120 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.7 mm[.303 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	3.048 µm[120 µin]
Contact Type	Tab
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	8.6 mm[.339 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.4 mm[.37 in]
Connector Length	35.64 mm[1.4 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	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Product Compliance

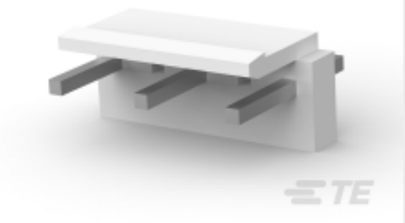
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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 260°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

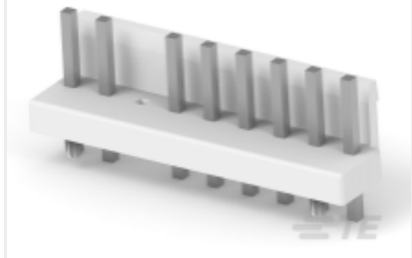
Compatible Parts



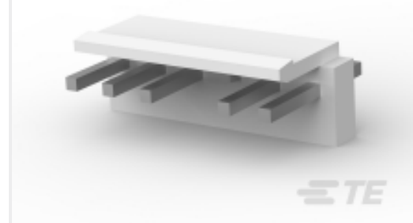
TE Part # 1744524-5
EP 05P HEADER ASY NO 2,4 PINS



TE Part # 1744416-9
9 POS EP II HSG, GLOW WIRE



TE Part # 1-1744429-9
3.96 EP HDR ASSY 9P W/PEGS, GW, NO PIN 3



TE Part # 1744524-6
EP 06P HEADER ASY NO 4 PIN



TE Part # 1744544-9
EP II TPA 09P, BLACK

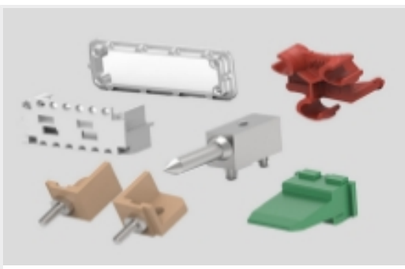


TE Part # 4-1744524-3
3.96 EP HDR ASY 03P ,NO 2 PIN, GW

Also in the Series | Economy Power



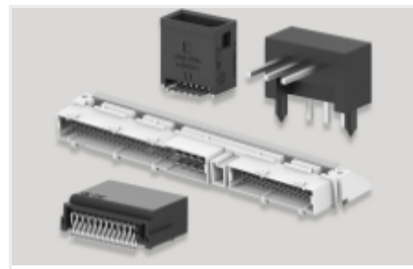
Connector Contacts(13)



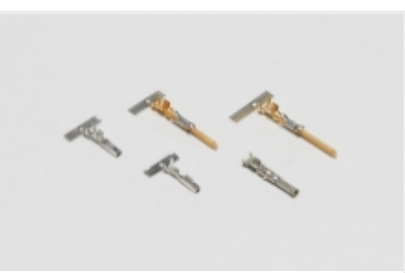
Connector Hardware(2)



Insertion & Extraction Tools(1)



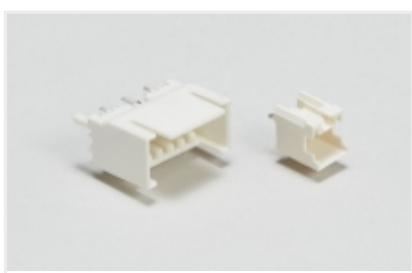
PCB Headers & Receptacles(463)



Power Contacts(7)



Rectangular Power Connectors(547)



Wire-to-Board Headers & Receptacles (463)

Customers Also Bought



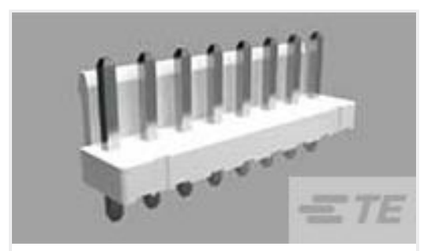
TE Part #5-103673-5
6 MTE HDR SRRA LATCH W/HLDWN



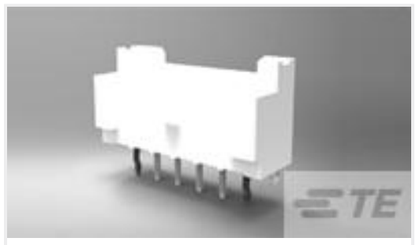
TE Part #5-103673-7
8 MTE HDR SRRA LATCH W/HLDWN



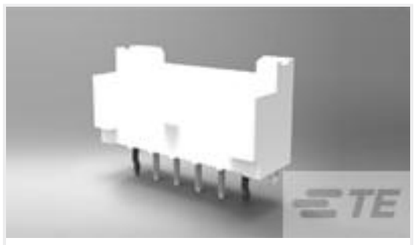
TE Part #1-1393243-0
RTE24024



TE Part #1744037-4
04P EC PWR.200 CL HDR ASSY VRT



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



TE Part #1744418-8
8 POS EP 2.5 HDR, GLOW WIRE



TE Part #2-2176186-7
CRGH1206 1% 18K 0.5W



TE Part #2-2176327-0
CRGP 0805 390R 1%



TE Part #2338245-2
EP2.5 HDR 2P VERT BOSS,RED,UL



TE Part #6116202-6
MJ,TE,8P,COMPL.PIN,CAT5,PC

Documents

Product Drawings

3.96 EP HDR ASY 09P NO PEG, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744489-9_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744489-9_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744489-9_D.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

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Agency Approvals

UL Report

English