1-1744524-0 ✔ ACTIVE

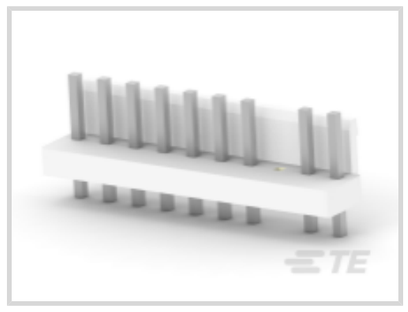
Economy Power

TE Internal #: 1-1744524-0

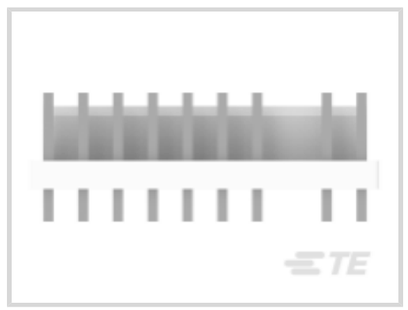
PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

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: **10**

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	10
Number of Rows	1
Number of Power Positions	10

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
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	3 µm[118.11 µin]
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 Finish	Matte
Contact Mating Area Plating Material Thickness	3 µm[118.11 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]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
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	39.6 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

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

Other

Position Locations Omitted	8
Number of Blocked Positions	1

Product Compliance

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

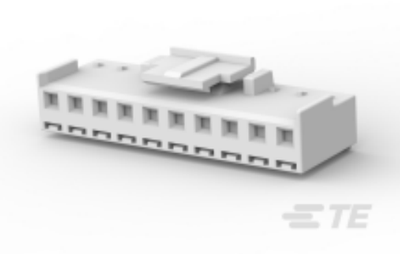
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

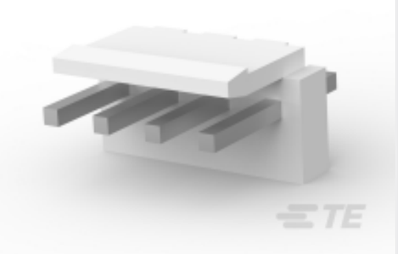
Product Compliance Disclaimer

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

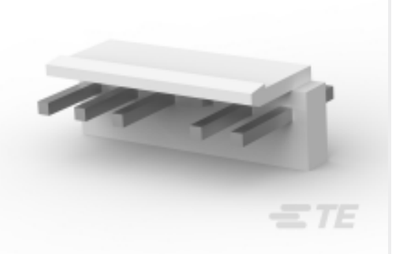
Compatible Parts



TE Part # 1-1744416-0
10 POS EP II HSG, GLOW WIRE



TE Part # 1744429-4
3.96 EP HDR ASSY 4P W/PEGS, GW



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



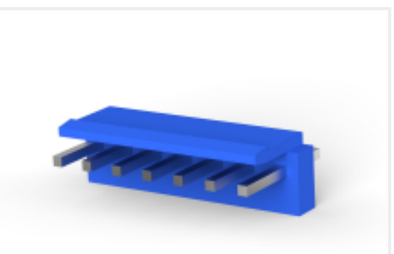
TE Part # 2-1744435-8
EP 08P V-HDR ASY NO 3 PIN



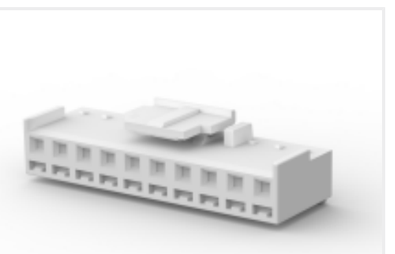
TE Part # 1744291-1
EP HDR ASSY 5P W/PEG,NAT,W/0#3



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



TE Part # 2-1744057-7
3.96 EP HDR ASSY 7P W/PEGS, BLUE



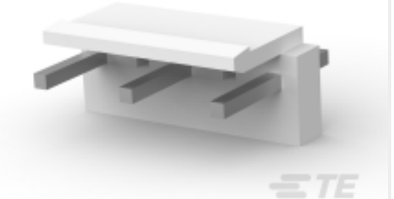
TE Part # 1-2132781-0
10P EP-II HOUSING, NATURAL



TE Part # 1-1744036-0
10P ECONOMY POWER .200 CL HSG



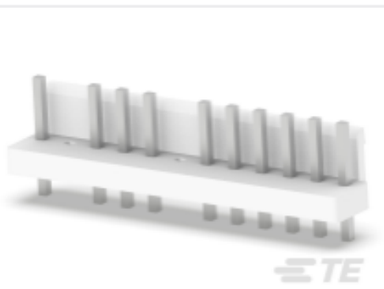
TE Part # 1744429-9
3.96 EP HDR ASSY 9P W/PEGS, GW



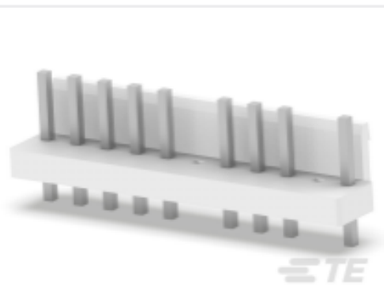
TE Part # 1744524-5
EP 05P HEADER ASY NO 2,4 PINS



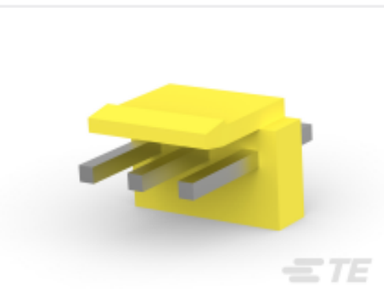
TE Part # 1-1744429-0
3.96 EP HDR ASSY 10P W/PEGS, GW



TE Part # 1-1744524-2
EP 12P HEADER ASY NO 2,6 PINS



TE Part # 1-1744524-1
EP 11P HEADER ASY NO 6,10 PINS



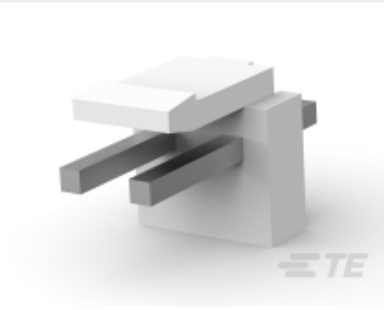
TE Part # 4-1744057-3
3.96 EP HDR ASSY 3P W/PEGS,YEL



TE Part # 1744110-2
EP HDR ASSY 10P, NO #2 PIN



TE Part # 1744429-7
3.96 EP HDR ASSY 7P W/PEGS, GW



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

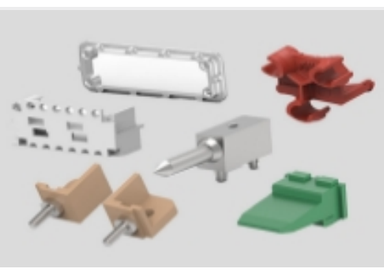


TE Part # 1-1744498-0
10P EP-II HOUSING, BLACK

Also in the Series | Economy Power



Connector Contacts(15)



Connector Hardware(2)



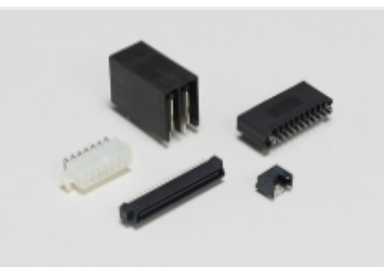
Power Contacts(9)



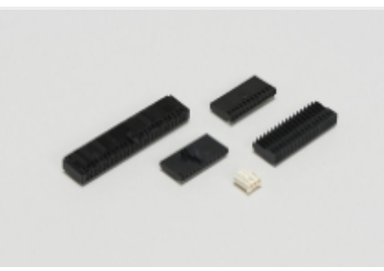
Rectangular Connector Housings(118)



Rectangular Power Connectors(581)



Standard Rectangular Connectors(118)



Wire-to-Board Connector Assemblies & Housings(118)

Customers Also Bought



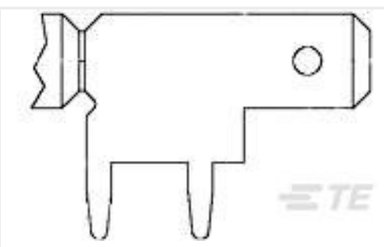
TE Part #170043-2
110 FASTON,REC.,24-20 AWG,TPBR



TE Part #640909-1
RECEPT,PIDG FASTON 22-18 205



TE Part #641966-1
03P UMNL PIN HDR ASSY 94VO



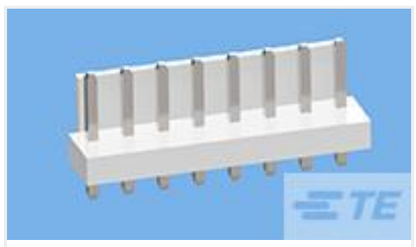
TE Part #1217061-1
187 FASTON,FLAG,TAB,TNBR



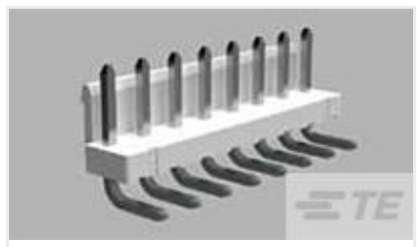
TE Part #1744484-4
04P EP SHRD HDR ASMY, YELLOW



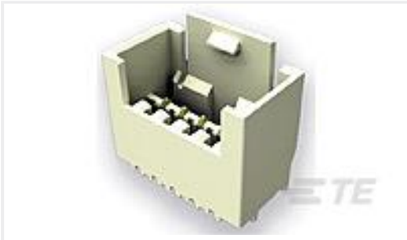
TE Part #1744487-8
08P EP SHRD HDR ASMY, GREY



TE Part #1744489-4
3.96 EP HDR ASY 04P NO PEG, GW



TE Part #1744525-4
EP RA 04P HEADER ASY NO 3 PIN



TE Part #1-1971817-9
9P,RAST 2.5 Tab Header,Ex- Locking, THV

TE Part #2232236-1
187 FASTON,TAB,TPBR

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1744524-0_D.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1744524-0_D.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1744524-0_D.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English