1-1123724-3 ✔ ACTIVE

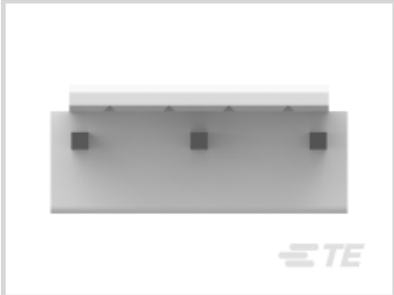
Economy Power

TE Internal #: 1-1123724-3

PCB Mount Header, Vertical, Wire-to-Board, 5 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: **5**

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	3
PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1
Number of Power Positions	5

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
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 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	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin

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 Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]

Housing Material	PBT GF

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	19.74 mm[.777 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	1000
Packaging Method	Bag

Other

Position Locations Omitted	2, 4
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	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 265°C

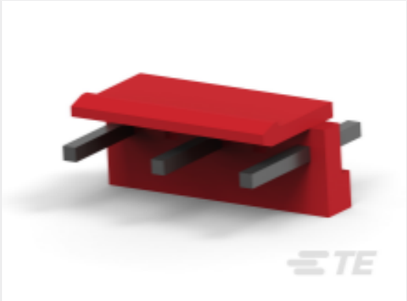
Product Compliance Disclaimer

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

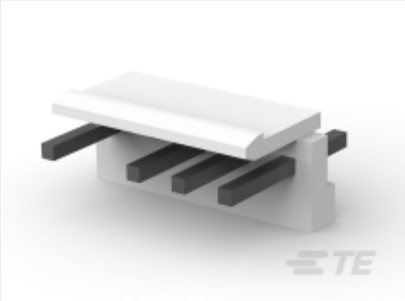
Compatible Parts

TE Part # 2-1123722-3
3.96 EP PLUG HSG 3P(YELLOW)

TE Part # 1123721-2
ECONOMY POWER CONN REC CONT

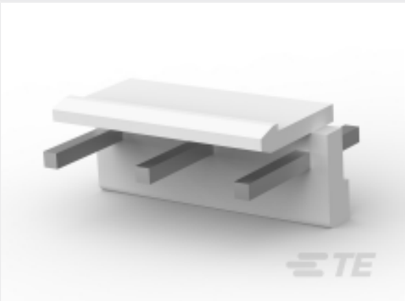


TE Part # 8-1123724-3
3.96EP HDR ASSY 5P,NO 2,4PIN, RED

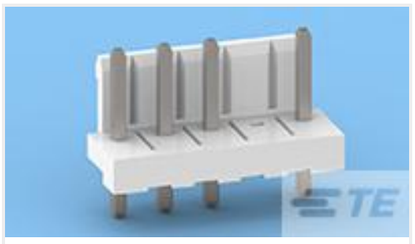


TE Part # 1-1717011-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)

TE Part # 1744105-2
3.96 EPHDR ASSY 5P OMIT #2 PIN



TE Part # 7-1123724-3
3.96EP HDR ASSY 3(5)P (NATURAL GWT)

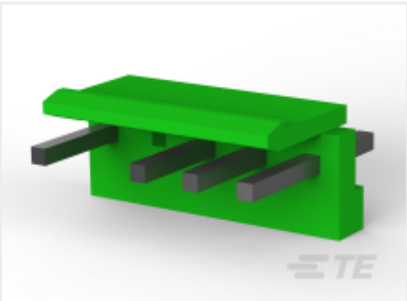


TE Part # 2-1565036-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)

TE Part # 1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)

TE Part # 4-1123722-3
3.96 EP PLUG HSG 3P(RED)

TE Part # 6-1123722-3
3.96 EP PLUG HSG 3P(GREEN)



TE Part # 6-1717011-4
EP CONN.HDR ASSY 4/5POS-W/O NO.2

TE Part # 3-1123722-3
3.96 EP PLUG HSG 3P(BLUE)

TE Part # 5-1123722-3
3.96 EP PLUG HSG 3P(BLACK)

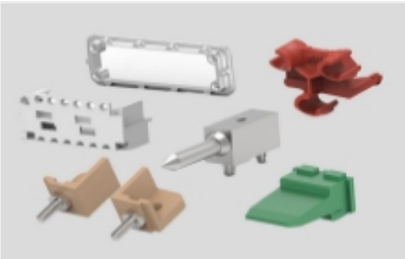
TE Part # 1123721-1
EP CONN. REC CONTACT

TE Part # 1744416-5
5 POS EP II HSG, GLOW WIRE

TE Part # 1744495-5
05P EP-II HOUSING, GREEN

Also in the Series | Economy Power

Connector Contacts(13)



Connector Hardware(2)

Power Contacts(7)

Rectangular Connector Housings(104)

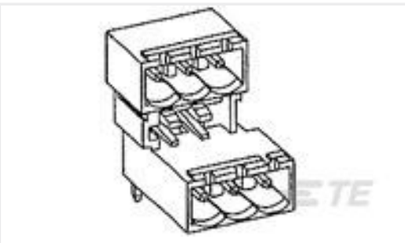
Rectangular Power Connectors(547)

Standard Rectangular Connectors(104)

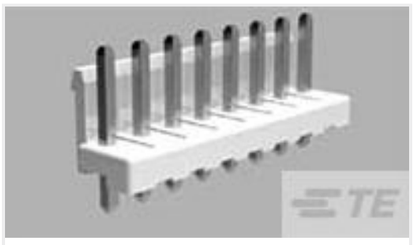
Wire-to-Board Connector Assemblies & Housings(104)

Customers Also Bought

TE Part #1SNA115407R1400
MB4/6.L3



TE Part #284061-4
TERMI-BLOK HDR 90, 5,08MM P.MU



TE Part #1-1123723-8
3.96 EP HDR ASSY 8P(NATURAL)

TE Part #2-1473059-3
EP CONN.HDR ASSY 3/4P NATURAL (NO.3 POST

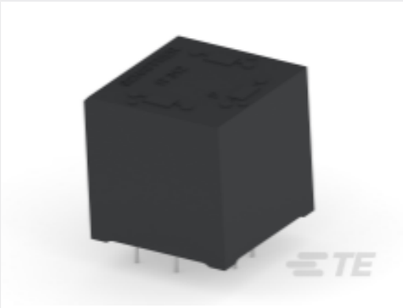
TE Part #1674954-1
SHIELD FINGER 2026 WITH TAPE

TE Part #3-1825059-0
ADF06STTR04=DIP S,FLUSH,SMT-GW

TE Part #4-1879021-1
SMW3 4R7 5%

TE Part #3-2176070-5
3521 270R 1% 2W

TE Part #5750678-1
09 RCPT SP/FMS (RET SL)



TE Part #800060-SF
IT314

Documents

Product Drawings

3.96EP HDR ASSY 3(5)P NATURAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1123724-3_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1123724-3_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1123724-3_AD.3d_stp.zip

English

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

Datasheets & Catalog Pages

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

VDE Certificate

English