1744427-5 ✔ ACTIVE

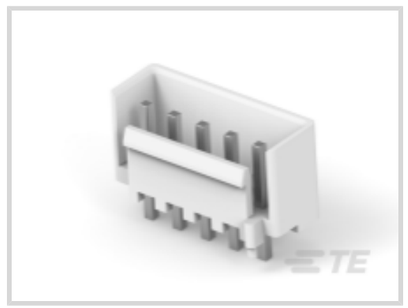
Economy Power

TE Internal #: 1744427-5

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







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

Number of Positions: **5**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Mating Area Length	7.78 mm[.306 in]
Contact Size	1.14mm
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	.8 µm[31.5 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	12.3 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.62 mm[.142 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	23.05 mm[.907 in]
Connector Height	12 mm[.472 in]
Connector Width	9.58 mm[.377 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	300
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

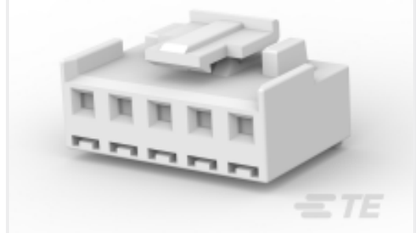
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

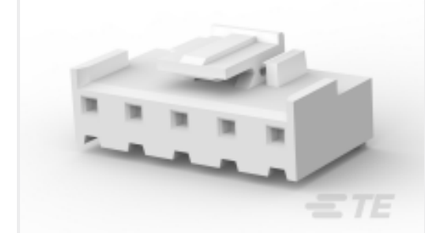
Compatible Parts



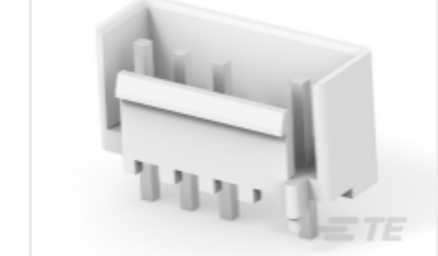
TE Part # 2132781-5
05P EP-II HOUSING, NATURAL



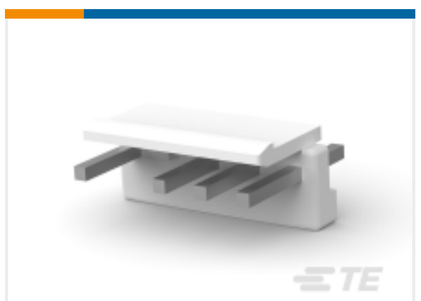
TE Part # 1744416-5
5 POS EP II HSG, GLOW WIRE



TE Part # 1744036-5
05P ECONOMY POWER .200 CL HSG



TE Part # 1-1744427-5
EP HEADER ASY,SHROUDED,5 POS, GW,NO PIN2



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



TE Part # 1744357-5
3.96 EP SHROUDED HDR ASSY 2P W



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



TE Part # 1744544-5
EP II TPA 05P, BLACK

Also in the Series | Economy Power



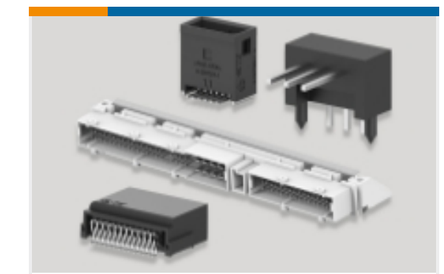
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



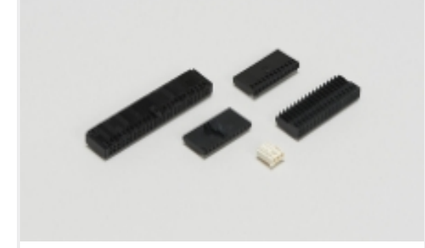
PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)



Wire-to-Board Connector Assemblies & Housings(142)

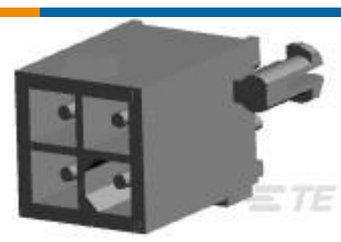
Customers Also Bought



TE Part #1-1969688-3
PTL 1X3 PCB HEADER VERT HITEMP KEY A LGR



TE Part #1-1658527-0
622-2641LF FEM SOCKT,LEAD FREE



TE Part #1-770174-1
04P MINI UMNL ASSY VO SNAU LF



TE Part #1-770166-1
02P MINI UMNL ASSY VO SNAU LF



TE Part #1241809-2
UMNL ST-SOCK,A-P 3P



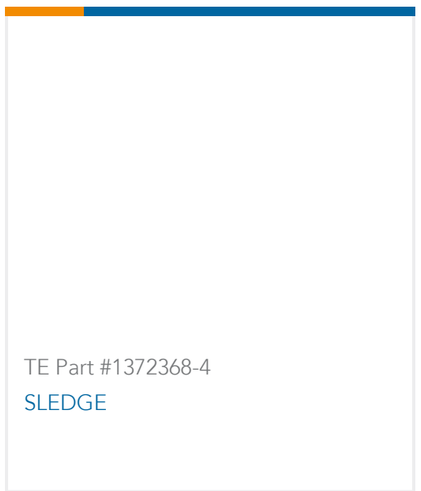
TE Part #1-1123722-7
3.96 EP PLUG HSG 7P(NATURAL)



TE Part #170362-1
UNIV M-N-L SOC. 22-18 AWG



TE Part #350687-1
UMNL SPLIT PIN PTPBR



TE Part #1372368-4
SLEDGE

Documents

Product Drawings

EP Header Asy,Shrouded,5 Pos, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744427-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744427-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744427-5_A.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

English

Agency Approvals

VDE Certificate

English

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TE Connectivity:

141991-2 1743455-2 1-962915-1 1903112-2 2005330-1 CPF0402B37K4E1 RH73H2A40MKTN SBCHE154R7K U5254-000005-030PA 1393431-1 1969656-1 2377783-2 3631B101LL 650075-000 TE50BR39J 2-292161-3 2310537-1 2834055-1 3-1393225-0 917696-1 MPT100C18RF SBCHE64R7K 3430B2F51RTDF 936348-1 175977-2 2380312-2 CRGCQ2010J3K3 ROX05SJ18R SMW73R0JT 1-794222-0