1-1123724-3 ✔ ACTIVE

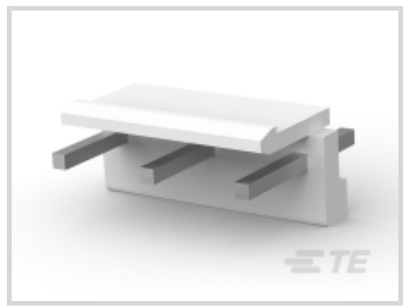
Economy Power

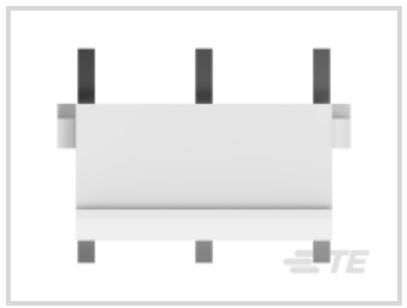
TE Internal #: 1-1123724-3

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **5**

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

Features

Product Type Features

Header Type	Partially Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Connector Profile	Low

Contact Features

Mating Post Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	.8 µm[31.49 - 70.86 µin]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	PBT GF

Dimensions

Connector Height	8.2 mm[.32 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	10.7 mm[.421 in]
Product Length	19.74 mm[.777 in]

Usage Conditions

Operating Temperature Range	-25 - 105 °C[-13 - 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1000
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, Economy Power



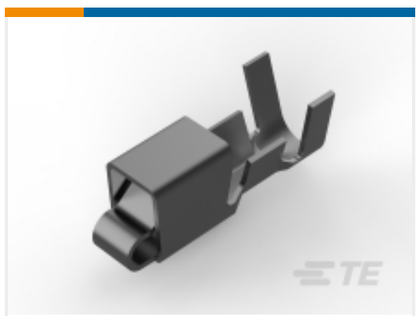
TE Part # 1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)



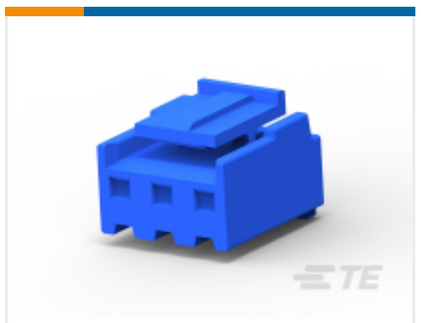
TE Part # 1744416-5
5 POS EP II HSG, GLOW WIRE



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



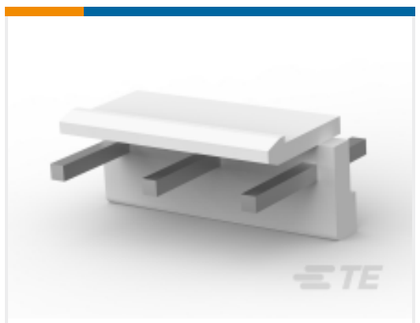
TE Part # 1123721-2
ECONOMY POWER CONN REC CONT



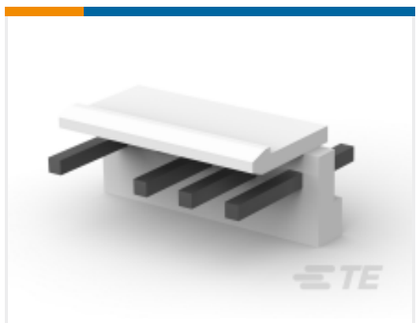
TE Part # 3-1123722-3
3.96 EP PLUG HSG 3P(BLUE)



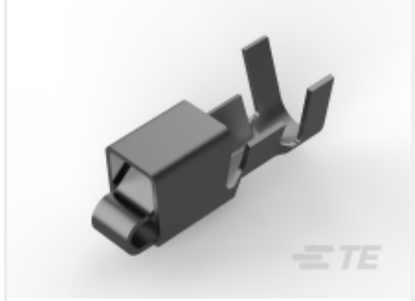
TE Part # 2-1565036-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)



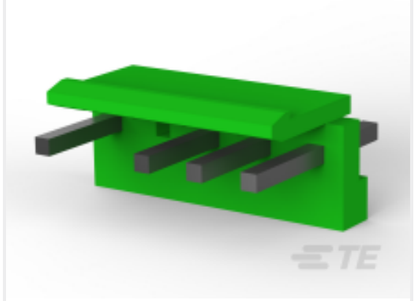
TE Part # 7-1123724-3
3.96EP HDR ASSY 3(5)P (NATURAL GWT)



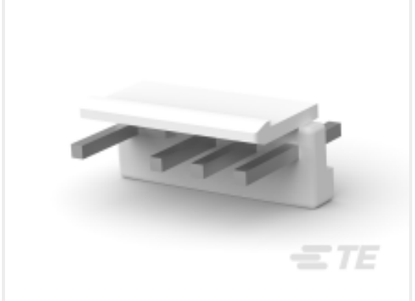
TE Part # 1-1717011-1
EP CONN.HDR ASSY 4/5POS (NATURAL GWT)



TE Part # 1123721-1
EP CONN. REC CONTACT



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



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



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



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



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



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



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

Also in the Series | Economy Power



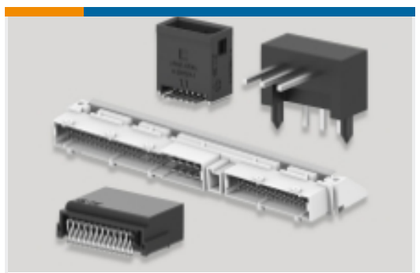
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(162)



Rectangular Connector Housings(1)



Rectangular Power Connectors(301)

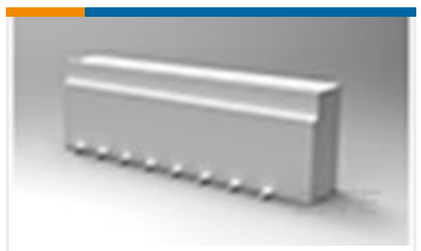


Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part # 1-1123723-4
3.96 EP HDR ASSY 4P(NATURAL)



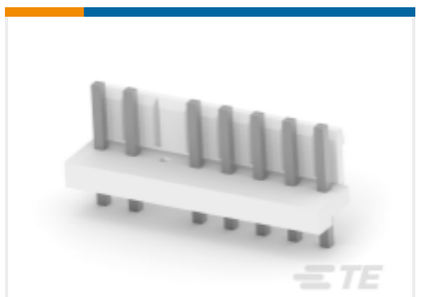
TE Part # 1-1735042-0
1MM FFC SMT V ASSY 10P EMBOSS



TE Part # 4-1123724-2
3.96EP HDR ASSY 2(3)P RED



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



TE Part # 1-1123724-7
3.96 EP HDR ASSY 8P(NO 3#PIN, NATURAL)



TE Part # 1-1717011-4
EP CONN.HDR ASSY 4/5POS SPECIA

TE Part # 1721083-7
OJ-SS-112LMHF,000T0



TE Part # 2316873-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4

TE Part # 2311998-5
EP2.5 HDR ASSY 5P VERT, GW,NO PIN 2,4

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 Conditionsof use.

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

English

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese