5-1123723-6 ✔ ACTIVE

Economy Power

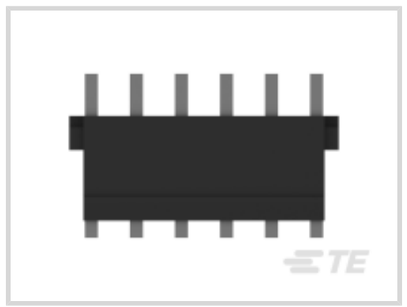
TE Internal #: 5-1123723-6

PCB Mount Header, Vertical, Wire-to-Board, 6 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: **6**

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	6
Number of Loaded Positions	6
Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Connector Profile	Low
Primary Product Color	Black

Contact Features

Contact Mating Area Length	7.7 mm[.303 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 – 1.8 µm[31.5 – 70.86 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)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	23.76 mm[.935 in]
Connector Height	9.2 mm[.36 in]
Connector Width	8.5 mm[.334 in]
PCB Thickness (Recommended)	1.6 mm[.063 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

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

Packaging Features

Packaging Quantity	1500
Packaging Method	Bag

Product Compliance

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

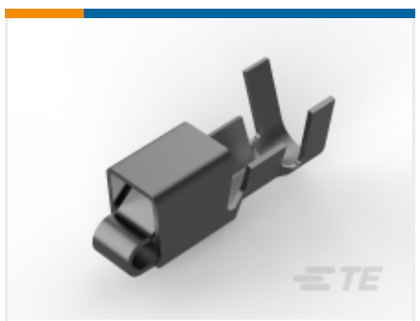
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

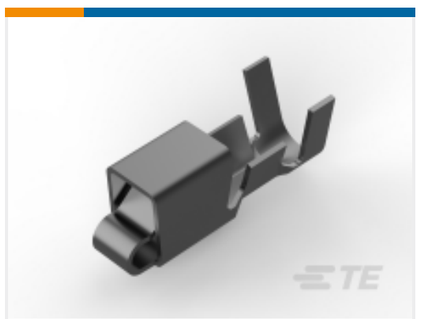
TE Part # 1744416-6
6 POS EP II HSG, GLOW WIRE

TE Part # 2-1744036-6
06P ECONOMY POWER .200 CL HSG



TE Part # 1123721-2
ECONOMY POWER CONN REC CONT

TE Part # 5-1123722-6
3.96 EP PLUG HSG 6P(BLACK)



TE Part # 1123721-1
EP CONN. REC CONTACT

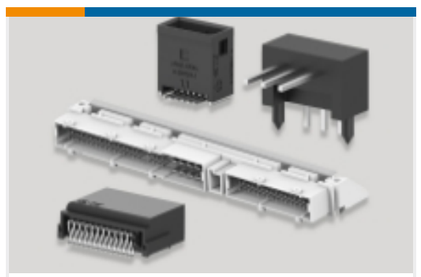
TE Part # 1744496-6
06P EP-II HOUSING, BLUE

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

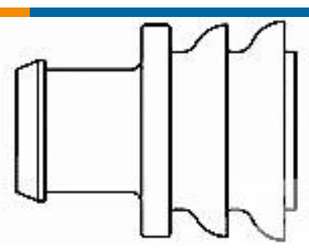
TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282104-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

3.96 EP HDR ASSY 6P(BLACK)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1123723-6_AD_c-5-1123723-6-ad.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1123723-6_AD_c-5-1123723-6-ad.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1123723-6_AD_c-5-1123723-6-ad.3d_stp.zip

English

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

VDE Certificate

English