1744428-6 ✔ ACTIVE

Economy Power

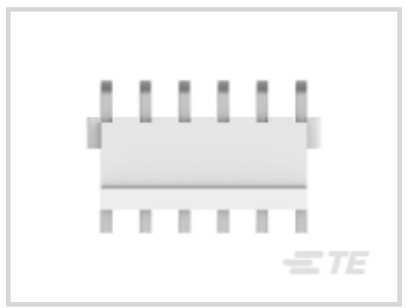
TE Internal #: 1744428-6

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 6 Position, 3.96 mm [.155 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: **6**

Centerline (Pitch): **3.96 mm [.155 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 Columns	6
Number of Loaded Positions	6
Number of Positions	6
PCB Mount Orientation	Right Angle
Number of Power Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

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	2.032 µm[80 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	3.96 mm[.155 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Height	8.21 mm[.323 in]
Product Width	9.4 mm[.37 in]
Product Length	23.76 mm[.935 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Glow Wire Rating	Glow Wire

Packaging Features

Packaging Quantity	500
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

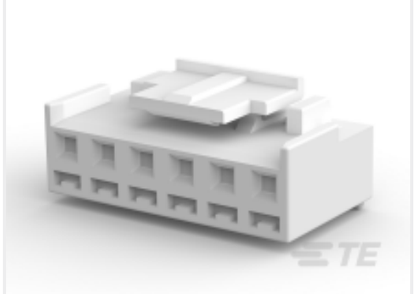
Product Compliance Disclaimer

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



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



TE Part # 2132781-6
06P EP-II HOUSING, NATURAL



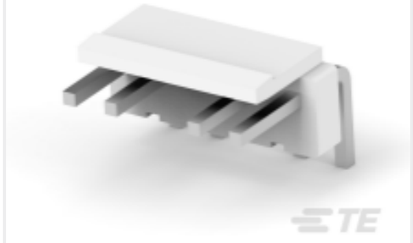
TE Part # 2-1744036-6
06P ECONOMY POWER .200 CL HSG



TE Part # 1744544-6
EP II TPA 06P, BLACK



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



TE Part # 1744525-5
EP RA 05P HEADER ASY NO 3 PIN



TE Part # 3-1744525-9
3.96 EP HDR ASSY 9P R/A, NO 6,8 PINS

Also in the Series | Economy Power



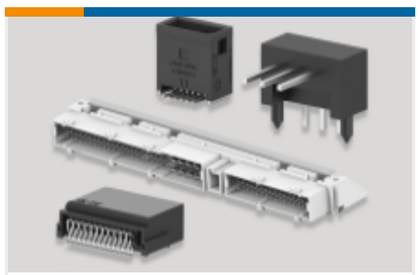
Connector Contacts(15)



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 # 640455-3
03P MTA100 HDR ASSY SQ R/A POL



TE Part # 3-1437664-0
NC6-P108-02=NC6 ASSEMBLY



TE Part # 103653-1
02 MTE SHRD PIN HSG SR LATCH



TE Part # 1318912-1
EP CONN LP REC



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



TE Part # 104257-1
02 MTE RCPT HSG SR LATCH .100



TE Part # 1-1622826-8
CRG0402 5% 1K0



TE Part # 1-2176343-9
CRGCQ 1206 330R 1%



TE Part # 1744057-8
3.96 EP HDR ASSY 8P W/PEGS

Documents

Product Drawings

3.96 EP HDR ASSY 6P R/A, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744428-6_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744428-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744428-6_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof 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

Japanese

Application Specification

English