1744429-4 ✔ ACTIVE

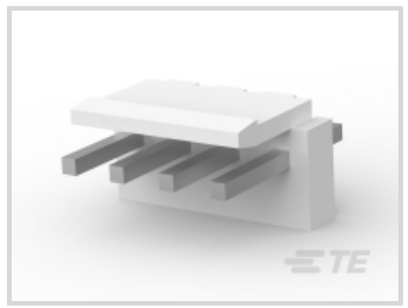
Economy Power

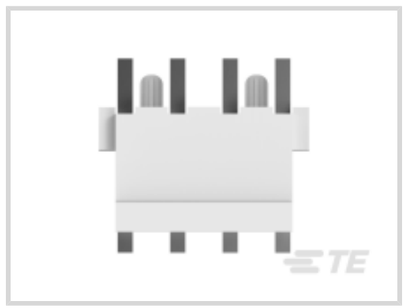
TE Internal #: 1744429-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 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: **4**

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	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Mating Post Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	3 µm[120 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	3.05 µm[120 µin]

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
Strain Relief	Without
Mating Retention	With
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	9.4 mm[.37 in]
Product Length	15.84 mm[.624 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	GWT 750°C (Without Flame)

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1123722-4
3.96 EP PLUG HSG 4P(NATURAL)



TE Part # 1744416-4
4 POS EP II HSG, GLOW WIRE



TE Part # 1744544-4
EP II TPA 04P, BLACK



TE Part # 1-1744429-6
3.96 EP HDR ASSY 6P W/PEGS, GW, NO PIN 3



TE Part # 1-1744429-9
3.96 EP HDR ASSY 9P W/PEGS, GW, NO PIN 3



TE Part # 1-1744524-0
EP 10P HEADER ASY NO 8 PIN



TE Part # 1744494-4
04P EP-II HOUSING, YELLOW



TE Part # 2-1744435-8
EP 08P V-HDR ASY NO 3 PIN

Also in the Series | Economy Power



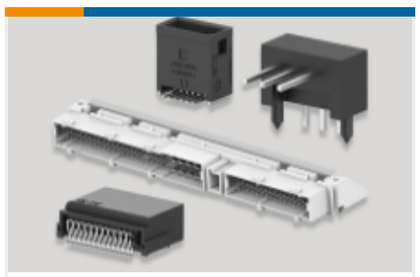
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



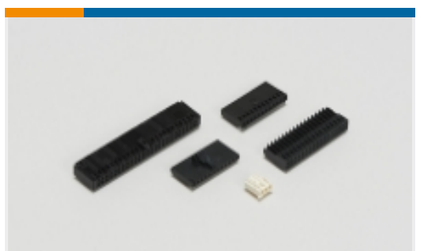
PCB Headers & Receptacles(162)



Rectangular Connector Housings(1)



Rectangular Power Connectors(302)



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

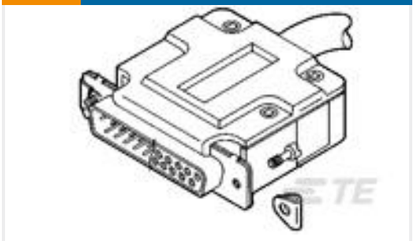
Customers Also Bought



TE Part #3-1393144-3
K10P-11AT5-120=K10/K20



TE Part #6609042-4
20VS1=F7249 S0



TE Part #5207908-7
STRAIN REL W/SCRW RET KIT,SZ 3



TE Part #1-794068-0
16P MINI UMNL HDR W/DH SN



TE Part #1-640445-0
10P MTA156 HDR ASSY FL/STR SN



TE Part #2-1393104-5
KRPA-11AG-120=KRPA-



TE Part #1437597-1
2SKF131AEL01=NON UL 110VAC

TE Part #4-6600333-3
MBXL VERT HDR 2ACP+24S+2ACP

TE Part #2399536-1
CAGE ASSEMBLY W/ HS, TOP 2LP, SFP-DD 1X1

Documents

Product Drawings

3.96 EP HDR ASSY 4P W/PEGS, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744429-4_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744429-4_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744429-4_D.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

Japanese

Product Environmental Compliance

MD_1744429-4_10092015110_dmtec

English

MD_1744429-4_10092015110_dmtec

English