

2-1565036-1 ✓ ACTIVE

### Economy Power

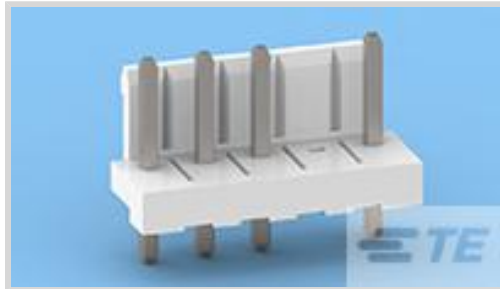
TE Internal #: 2-1565036-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-2, Economy Power

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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
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### Contact Features

Contact Layout	Inline
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	Tin
Contact Mating Area Plating Material Thickness	.1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
Contact Termination Area Plating Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

Strain Relief	Without
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	.06 mm[1.6 in]
Width	10.7 mm[.421 in]
Mating Post Length	7.7 mm[.303 in]
Height	8.5 mm[.335 in]
Length	19.74 mm[.777 in]

### Usage Conditions

Operating Temperature Range	-25 – 105 $^{\circ}\text{C}$ [-13 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Method	Bag
Packaging Quantity	1500

### Other

For Use With	Receptacle Assembly
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### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

#### 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 # 1-1123723-5  
3.96 EP HDR ASSY 5P(NATURAL)



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



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



TE Part # 1-1123724-3  
3.96EP HDR ASSY 3(5)P NATURAL



TE Part # 1-1318301-3  
3.96EP HDR ASSY 3(5)P NAT/TUBE



TE Part # 1-1318300-5  
3.96 EP HDR ASSY 5P NAT/TUBE



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



TE Part # 1-1565033-2  
EP CONN HDR ASSY 2/4P SPECIAL



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



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 # 1744110-2  
EP HDR ASSY 10P, NO #2 PIN



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



TE Part # 2-1717011-4  
EP CONN.HDR ASSY 4/5P NATURAL (NO.3 POST




TE Part # 5-1565036-6  
EP CONN.HDR ASSY 6/7P BLACK W /O#2




TE Part # 6-1565036-5  
EP CONN. HDR ASSY 5/6P W/O#5 BLUE

Also in the Series | Economy Power



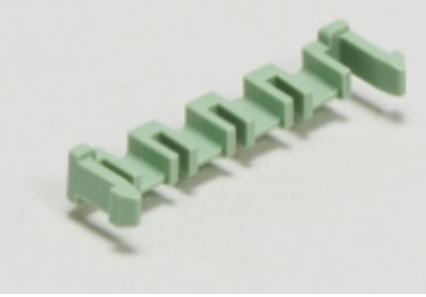
Connector Contacts(1)



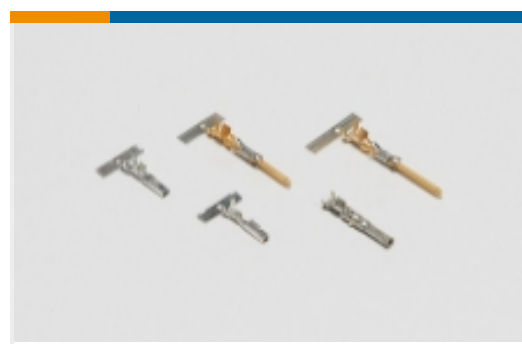
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(166)



PCB Latches, Locks & Retainers(2)



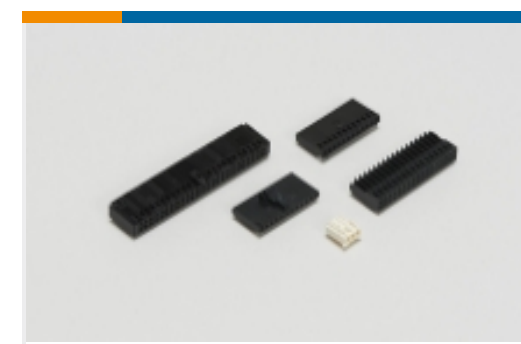
Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(301)

Wire-to-Board Connector Assemblies  
& Housings(141)

Wire-to-Board Connector Contacts(6)

## Documents

### Product Drawings

[EP CONN.HDR ASSY 4/5POS \(NATURAL GWT\)](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1565036-1\\_AD.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1565036-1\\_AD.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1565036-1\\_AD.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

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English