

1744048-5 ✓ ACTIVE



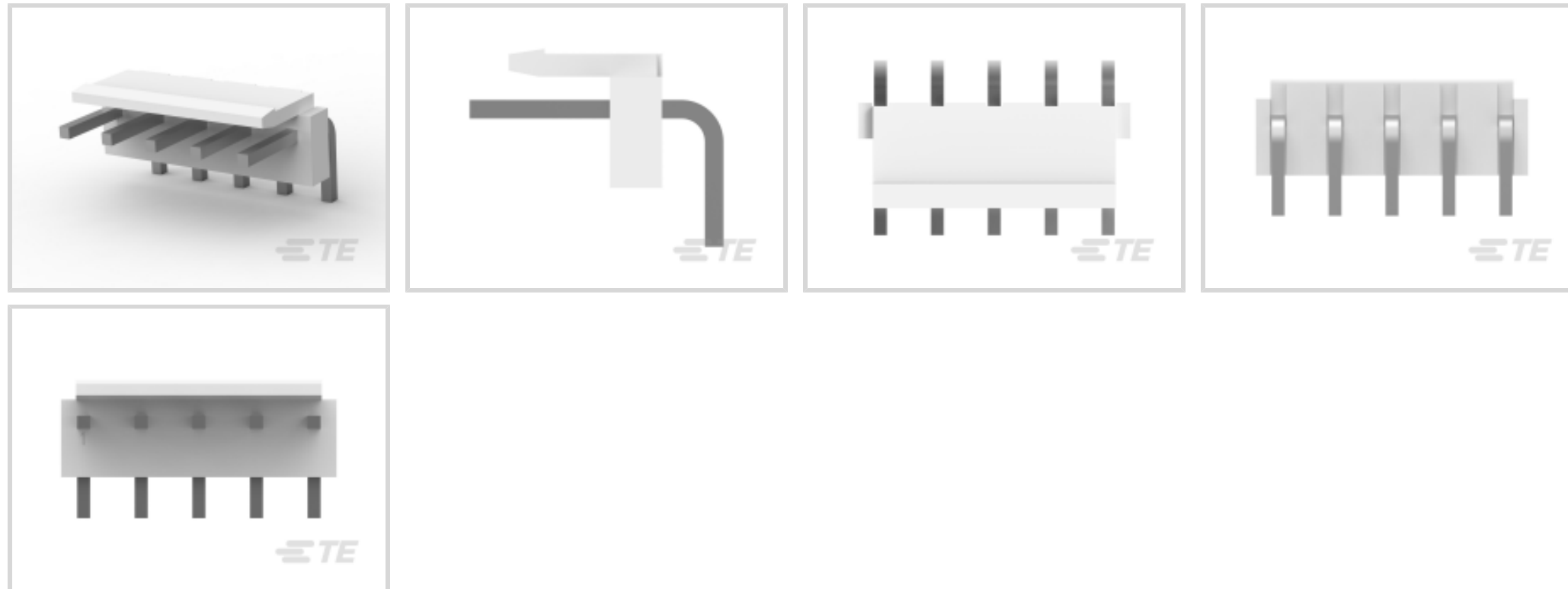
Economy Power

TE Internal #: 1744048-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5 Position, .2 in [5.08 mm] Centerline, Printed Circuit Board, UL 94V-0, 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): **5.08 mm [ .2 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	Right Angle
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	Copper Alloy
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	2.03 $\mu\text{m}$ [80 $\mu\text{in}$ ]
Contact Termination Area Plating Thickness	.8 $\mu\text{m}$ , 2 $\mu\text{m}$ [31.49 $\mu\text{in}$ ][80 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarizing Tab
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

### Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon 66

### Dimensions

PCB Thickness (Recommended)	.06 mm[1.6 in]
Width	15 mm[.591 in]
Mating Post Length	8.6 mm[.339 in]
Height	8.2 mm[.323 in]
Length	22.92 mm[.902 in]

### Usage Conditions



Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

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

### Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

### 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: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°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 # 1744416-5  
5 POS EP II HSG, GLOW WIRE



TE Part # 8-1744056-2  
3.96 EP HDR ASSY 2P R/A HT,TAPE



TE Part # 1744337-1  
EP HDR ASSY 3P R/A, OMIT 2



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



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

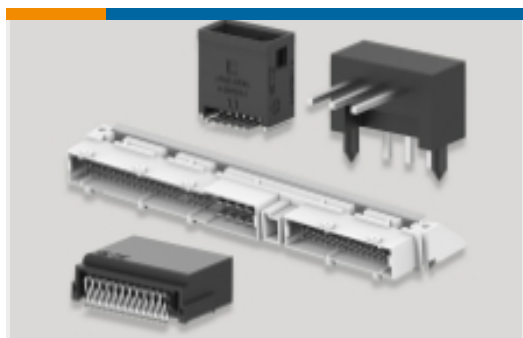
## Also in the Series | Economy Power



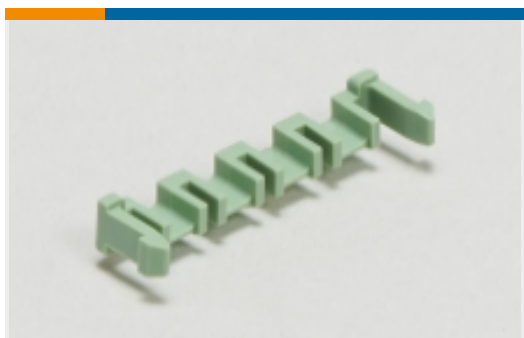
Connector Contacts(1)



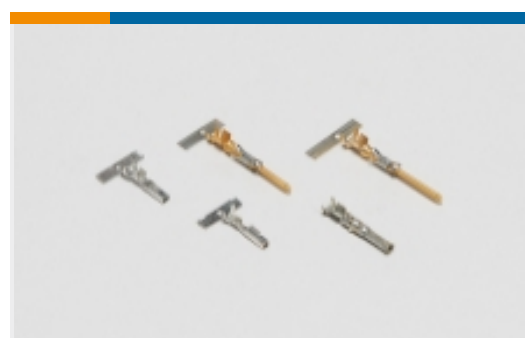
Insertion & Extraction Tools(1)



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)

## Customers Also Bought



TE Part #207485-1  
CPC PLUG ASSEMBLY SIZE 23-16



TE Part #1123721-2  
ECONOMY POWER CONN REC CONT



TE Part #1393143-6  
27E122=SOCKET,KRP,8,SCW,PLES



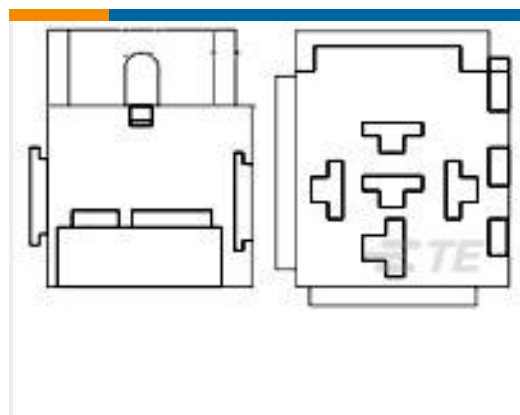
TE Part #1393143-7  
27E123=SOCKET,KRP,11,SCW,PLE



TE Part #1-1586683-5  
15P UMNL HDR ASSY PC 94VO SL



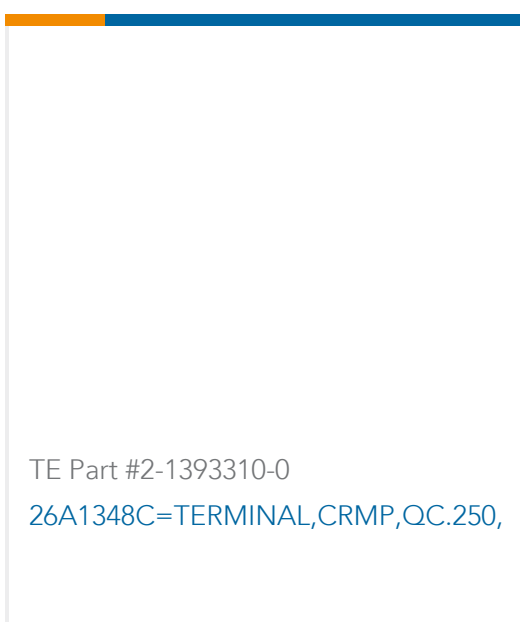
TE Part #1586681-2  
12P UMNL PIN HDR ASSY 94VO SL



TE Part #4-1419106-0  
VCF4-1002=CONNECTOR,HOUSING-



TE Part #1-1586683-4  
15P UMNL HDR ASSY PC 94VO SL



TE Part #2-1393310-0  
26A1348C=TERMINAL,CRMP,QC.250,

## Documents

### Product Drawings

05P EC PWR.200 CL HDR ASSY RA

English

### CAD Files

3D PDF

English

### Customer View Model

ENG\_CVM\_1744048-5\_O.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_1744048-5\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1744048-5\\_O.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[1-1773885-9 Economy Power Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese