



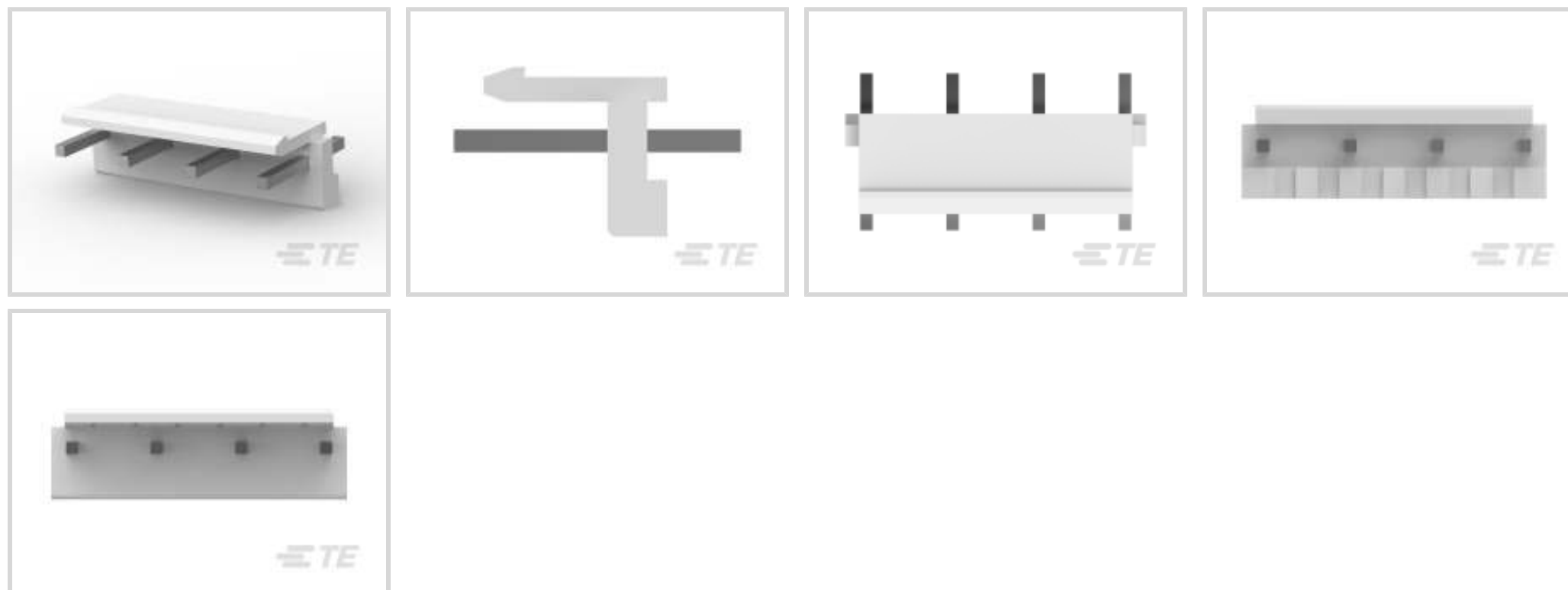
Economy Power

TE Internal #: 1-1123724-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 7 Position, 3.96 mm [.156 in] 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: **7**

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	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	250 VDC
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**Body Features**



Connector Profile	Low
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### Contact Features

Mating Post Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	.8 $\mu\text{m}$ [31.49 – 70.86 $\mu\text{in}$ ]
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	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

### Mechanical Attachment

Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Connector Height	8.2 mm[.32 in]
PCB Thickness (Recommended)	.06 mm[1.6 in]
Product Width	10.7 mm[.421 in]
Product Length	27.66 mm[1.089 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 Quantity	1300
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

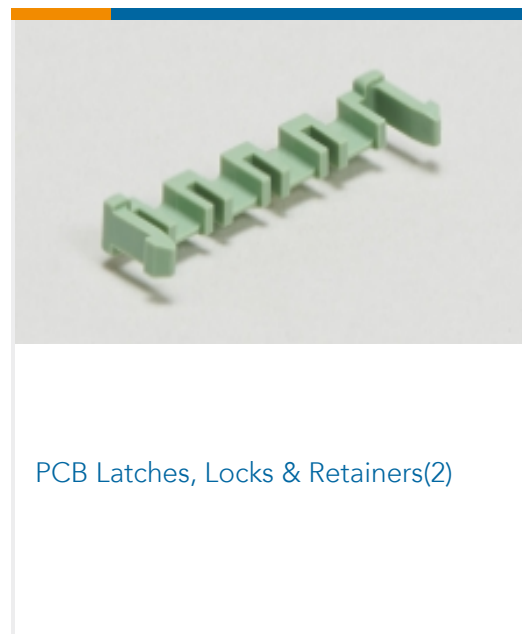
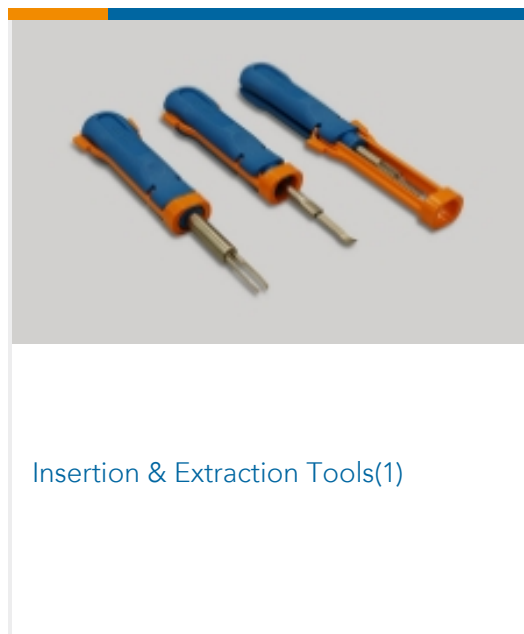
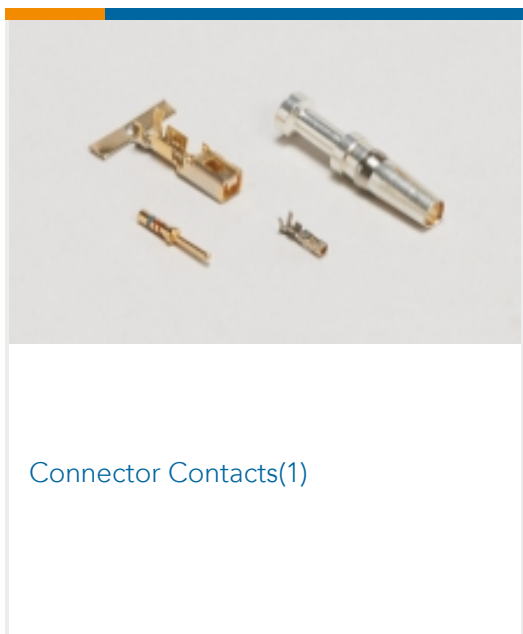
#### Product Compliance Disclaimer

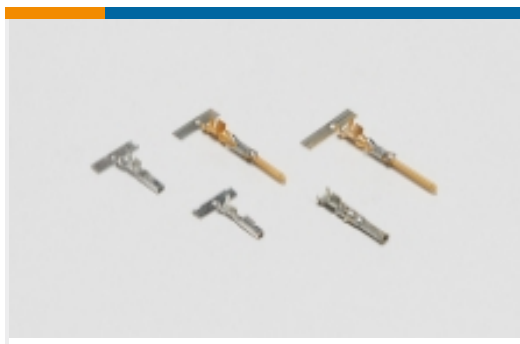
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | Economy Power





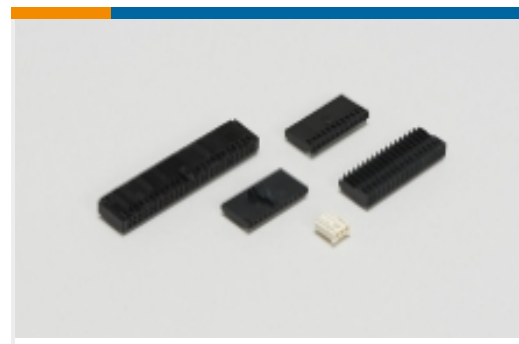
Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(302)

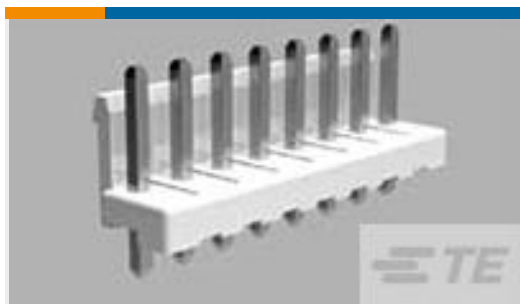


Wire-to-Board Connector Assemblies & Housings(142)

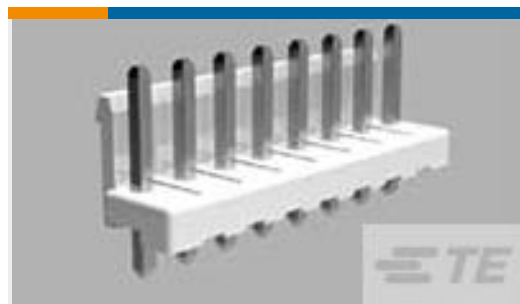


Wire-to-Board Connector Contacts(6)

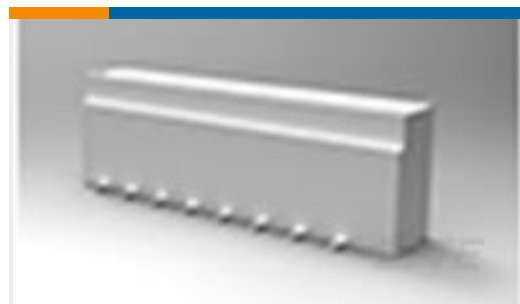
## Customers Also Bought



TE Part #1-1123723-4  
3.96 EP HDR ASSY 4P(NATURAL)



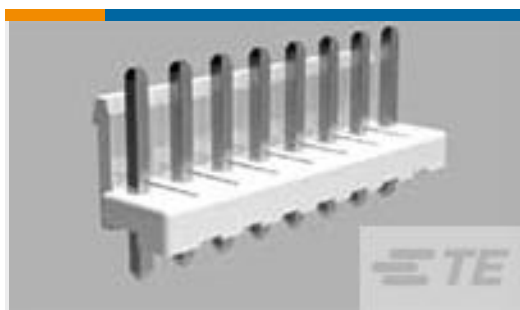
TE Part #1-1123723-5  
3.96 EP HDR ASSY 5P(NATURAL)



TE Part #1-1735042-0  
1MM FFC SMT V ASSY 10P EMBOSS



TE Part #1-1123723-2  
3.96 EP HDR ASSY 2P(NATURAL)



TE Part #1-1123723-3  
3.96 EP HDR ASSY 3P(NATURAL)



TE Part #4-1123724-2  
3.96EP HDR ASSY 2(3)P RED



TE Part #1-1123724-7  
3.96 EP HDR ASSY 8P(NO 3#PIN, NATURAL)



TE Part #1-1717011-4  
EP CONN.HDR ASSY 4/5POS SPECIA



TE Part #1721083-7  
OJ-SS-112LMHF,000T0

## Documents



### Product Drawings

#### 3.96EP HDR ASSY 4(7)P NATURAL

English

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### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1123724-4\\_AD.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1123724-4\\_AD.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1123724-4\\_AD.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

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### Product Environmental Compliance

[MD\\_1-1123724-4\\_092420141020\\_dmtec](#)

English

[MD\\_1-1123724-4\\_092420141020\\_dmtec](#)

English

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### Instruction Sheets

#### Instruction Sheet (non U.S.)

Japanese

#### Economy Power (EP) Connector

Japanese

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### Agency Approvals

#### UL Report

English