



# RECTANGULAR POWER CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 3.96 EP HDR ASSY 6P NAT/TUBE

Economy Power | Economy Power

1-1318300-6

TE Internal Number: 1-1318300-6

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **7.5**

### Product Drawings

[TUBE PACKING 3.96 \(7.92\)Mm PITCH ECONOMY POWER \(EP\) CONN. HEADER ASSY](#)

PDF  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

### Catalog Pages/Data Sheets

[7-1773458-5\\_ECONOMY\\_POWER\\_QRG](#)

PDF  
English

### Product Specifications

Product Specification

[Economy Power \(EP\) Connector](#)

PDF  
English

Application Specification

[EP II Connector System](#)

PDF  
English

[Economy Power \(EP\)-II Contacts And Receptacle Housings](#)

PDF  
English

### Instruction Sheets

Instruction Sheet (non U.S.)

[Economy Power \(EP\) Connector](#)

TIF  
Japanese

Economy Power (EP) Connector  
PDF  
Japanese

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Product Type	<b>Header</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Pin, Tab</b>
	Header Type	<b>Unshrouded</b>

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Configuration Features	Number of Positions	<b>6</b>
	Centerline	<b>3.96 mm [ .156 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>1</b>
	Contact Layout	<b>Inline</b>

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Electrical Characteristics	Contact Current Rating (A)	<b>7.5</b>
	Operating Voltage (VAC)	<b>250</b>

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Contact Features	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>.8 <math>\mu</math>m [ 31.49 – 70.86 <math>\mu</math>m ]</b>
	Contact Base Material	<b>Brass</b>
	Contact Termination Area Plating Thickness	<b>.8 <math>\mu</math>m [ 31.49 – 70.86 <math>\mu</math>m ]</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>3.7 mm [ .146 in ]</b>

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Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention Type	<b>Latch</b>

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Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>

Housing Material **PBT GF**

Housing Style **Low Profile**

Dimensions

Mating Post Length **7.7 mm [ .3 in ]**

Width **10.7 mm [ .421 in ]**

Height **8.2 mm [ .32 in ]**

PCB Thickness (Recommended) **1.6 mm [ .063 in ]**

Length **23.7 mm [ .9331 in ]**

Usage Conditions

Sealed Condition **Not Sealed**

Operation/Application

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

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

Circuit Application **Power**

Industry Standards

Glow Wire Rating **Standard Part - Not Glow Wire**

Packaging Features

Packaging Method **Tube**

Packaging Quantity **20**

Other

For Use With **Plug Housing**

Selectively Loaded **No**

Product Compliance

[Statement of Compliance](#)  
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Products - 1 Results

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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS





Connectors - Rectangular Power Connectors  
Economy Power | Economy Power

## 3.96 EP PLUG HSG 6P(NATURAL) - 1-1123722-6

TE INTERNAL NUMBER: 1-1123722-6

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Wire/Cable**

Contact Current Rating **8 A**

