



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 3.96 EP PLUG HSG 7P(NATURAL)

Economy Power | Economy Power

1-1123722-7

TE Internal Number: 1-1123722-7

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Wire/Cable**

Contact Current Rating (A) **8**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[3.96mm PITCH ECONOMY POWER \(EP\) CONN. PLUG HSG](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

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

PDF  
English

### Product Specifications

Product Specification

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

PDF  
English

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

TIF  
Japanese

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

PDF  
Japanese

[ECONOMY POWER\(EP\) CONNECTOR\(BRASS\)](#)

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.

---

**Product Type Features**

Product Type

**Housing**

Housing Type

**Receptacle**

Contact Type

**Socket****Configuration Features**

Number of Positions

**7**

Centerline

**3.96 mm [ .156 in ]**

Number of Rows

**1**

Contact Layout

**Inline****Electrical Characteristics**

Contact Current Rating (A)

**8**

Operating Voltage (VAC)

**250**

Dielectric Withstanding Voltage (VAC)

**1500**

Insulation Resistance (MΩ)

**1000****Termination Features**

Wire/Cable Size (AWG)

**22 – 18**Wire/Cable Size (mm<sup>2</sup>)**.34 – .75**

Termination Method to Wire/Cable

**Crimp****Mechanical Attachment**

Mating Alignment

**Without**

Mating Retention

**With**

Mating Retention Type

**Latch, Locking Latch**

Strain Relief

**Without****Housing Features**

UL Flammability Rating

**UL 94V-0**

Housing Color

**Natural**

Housing Material

**Nylon - GF**

Dimensions	Length	<b>27.66 mm [ 1.0889 in ]</b>
	Height	<b>10.5 mm [ .413 in ]</b>
	Accepts Wire Insulation Diameter Range	<b>1.7 – 3 mm [ .067 – .118 in ]</b>
	Width	<b>13.3 mm [ .524 in ]</b>
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Wire/Cable</b>
	Operating Temperature	<b>-25 – 105 °C [ -13 – 221 °F ]</b>
	Circuit Application	<b>Power</b>
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>1100</b>
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 13 Results

[View All](#)

Compare 0/10

Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles  
Economy Power | Economy Power

**3.96 EP HDR ASSY 7P R/A**  
**- 647676-7**

TE INTERNAL NUMBER: 647676-7

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **7**

PCB Mounting Orientation **Right Angle**

PCB Mounting Style **Through Hole**

Number of Rows **1**



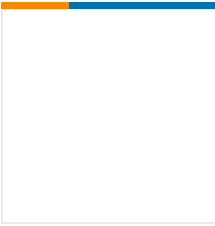
RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles  
Economy Power | Economy Power

### EP CONN. HDR ASSY 7/8P SPECIAL (NO.4 POS - 6-1565036-7

TE INTERNAL NUMBER: 6-1565036-7

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **8**

PCB Mounting Orientation

**Vertical**

PCB Mounting Style **Through  
Hole**

Number of Rows **1**



RELATIONSHIP

## Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



Connectors - Power Contacts  
Economy Power | Economy Power

### EP CONN LP REC - 1318912-1

TE INTERNAL NUMBER: 1318912-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **7.5 A**

Wire/Cable Size **22 – 18 AWG**

Wire/Cable Size **.34 – .75 mm<sup>2</sup>**

Circuit Application **Power**

