



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 3.96 EP PLUG HSG 2P(NATURAL)

Economy Power | Economy Power

1-1123722-2

TE Internal Number: 1-1123722-2

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

**2**

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>7.86 mm [ .3094 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>
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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>
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Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>4000</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 22 Results

[View All](#)

Compare 0/10

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

**3.96EP HDR ASSY 2(3)P  
 NATURAL - 1-1123724-2**

TE INTERNAL NUMBER: 1-1123724-2

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **7.5 A**



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

**3.96EP HDR ASSY 2(3)P  
BLACK - 5-1123724-2**

TE INTERNAL NUMBER: 5-1123724-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **7.92 mm**

Number of Positions **3**

PCB Mounting Orientation

**Vertical**

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 - Power Contacts  
Economy Power | Economy Power

**EP CONN. REC  
CONTACT - 1123721-1**

TE INTERNAL NUMBER: 1123721-1

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating **8 A**

Operating Voltage **250 VAC**

Operating Voltage **250 VDC**

Wire/Cable Size **22 - 18 AWG**

