



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

3.96 EP HDR ASSY 9P(NATURAL)

Economy Power | Economy Power

1-1123723-9

TE Internal Number: 1-1123723-9

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**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

[3.96MM PITCH ECONOMY POWER\(EP\) CONN HEADER ASSY](#)

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

[EP II Connector System](#)

PDF
English

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

TIF
Japanese

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

PDF
Japanese

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

PDF
English

[Crimping Economy Power \(EP\) Contact](#)
PDF
Japanese

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

Product Environmental Compliance

TE Material Declaration

[MD_1-1123723-9_0503201453_dmtec](#)
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	Header
Housing Type	Plug
Contact Type	Pin, Tab
Header Type	Unshrouded

Configuration Features

Number of Positions	9
Centerline	3.96 mm [.156 in]
PCB Mounting Orientation	Vertical
Number of Rows	1
Contact Layout	Inline

Electrical Characteristics

Contact Current Rating (A)	7.5
Operating Voltage (VAC)	250

Contact Features

Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Thickness	.8 μm [31.49 – 70.86 μin]
Contact Base Material	Brass
Contact Termination Area Plating Thickness	.8 μm [31.49 – 70.86 μin]

Termination Features

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

Termination Post Pin Length **7.7 mm [.31 in]**

Mechanical Attachment	Mating Alignment	With
	Mating Retention	With
	PCB Mount Retention	Without
	PCB Mount Alignment	Without
	Mating Retention Type	Latch

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Natural
	Housing Material	PBT GF
	Housing Style	Low Profile

Dimensions	Mating Post Length	7.7 mm [.31 in]
	Width	10.7 mm [.421 in]
	Height	8.2 mm [.32 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	35.58 mm [1.4007 in]

Usage Conditions	Sealed Condition	Not Sealed
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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
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Packaging Features	Packaging Method	Bag
	Packaging Quantity	700

Other	For Use With	Plug Housing
	Selectively Loaded	No

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 4 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Power Contacts
Economy Power | Economy Power

ECONOMY POWER CONN REC CONT

- 1123721-2

TE INTERNAL NUMBER: 1123721-2

✓ Active

Not reviewed for RoHS
Compliance

Product Type **Contact**

Contact Current Rating **7.5 A**

Wire/Cable Size **22 – 18 AWG**

Wire/Cable Size **.34 – .75 mm²**

Circuit Application **Power**



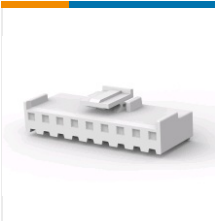
RELATIONSHIP

Headers

Used to Header Parts

[See All Headers](#)

PRODUCT - HEADERS



Connectors - Rectangular Power Connectors
Economy Power | Economy Power

3.96 EP PLUG HSG 9P(NATURAL)

- 1-1123722-9

TE INTERNAL NUMBER: 1-1123722-9

✓ 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**



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**

