



## HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

### E.I.S 8P POST ASSY RED (V)

El Series | El Series

8-171825-8

TE Internal Number: 8-171825-8

Converted to EU RoHS/ELV Compliant

Centerline **2.5 mm [ .098 in ]**

Number of Positions **8**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

#### Product Drawings

##### POST HEADER ASSY (VERTICAL) AMP EI SERIES CONNECTOR

PDF  
English

#### CAD Files

##### Customer View Model

3D\_STP.ZIP  
English

##### Customer View Model

3D\_IGS.ZIP  
English

##### Customer View Model

2D\_DXF.ZIP  
English

##### 3D PDF

PDF  
English

#### Product Specifications

##### Product Specification

##### AMP EI Series, Connector

TIF  
Japanese

##### AMP EI Series, Connector

PDF  
Japanese

##### AMP Mass-Termination "EI" Series Connector

TIF  
English

##### AMP Mass-Termination "EI" Series Connector

PDF  
English

Product Type Features	PCB Mounting Orientation	<b>Vertical</b>
	Product Type	<b>Connector</b>
	Connector Type	<b>Header</b>
	Strain Relief	<b>Without</b>
	Profile	<b>Low, Standard</b>
	Connector Style	<b>Plug</b>
	Applies To	<b>Printed Circuit Board</b>
Configuration Features	Number of Positions	<b>8</b>
	Number of Rows	<b>1</b>
	Number of Positions Applied	<b>8</b>
	Backwall/Post Interruptions	<b>Without</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
Body Features	Header Type	<b>Shrouded</b>
	Circuit	<b>Standard</b>
Contact Features	Contact Mating Area Plating Material	<b>Tin over Copper</b>
	Contact Type	<b>Pin</b>
	Solder Tail Contact Plating Material	<b>Tin over Copper</b>
	Contact Termination Area Plating Thickness (µm)	<b>.8</b>
	Contact Current Rating (A)	<b>3.5</b>
	Contact Shape	<b>Square</b>
	Tail Plating Material	<b>Tin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Base Material	<b>Brass</b>
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>
	Panel Mount Retention	<b>Without</b>
	Contact Retention	<b>Without</b>
	Mating Alignment Type	<b>Polarization</b>
	Mating Alignment	<b>With</b>

Mating Retention Type

**Polarized Lock**

Housing Features

Centerline

**2.5 mm [ .098 in ]**

Housing Color

**Red**

Housing Material

**6/6 Nylon**

Dimensions

Tail Length

**3.6 mm [ .142 in ]**

Wire/Cable Size (mm<sup>2</sup>)

**.08 – .33**

PCB Thickness (Recommended)

**1.6 mm [ .063 in ]**

Wire/Cable Size (CMA)

**159.8 – 642.4**

Mating Post Length

**7.5 mm [ .295 in ]**

Length

**20 mm [ .787 in ]**

Height

**10.4 mm [ .409 in ]**

Wire/Cable Size (AWG)

**28 – 22**

Usage Conditions

Operating Temperature Range (°C)

**-20 – 95**

Operation/Application

For Use With

**Receptacle Assembly**

Pick and Place Cover

**Without**

Industry Standards

UL Flammability Rating

**UL 94V-0**

CSA Certified

**Yes**

Agency/Standard

**UL**

Packaging Features

Packaging Method

**Bag/Box**

Packaging Quantity

**500**

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 2 Results

[View All](#)

Compare 0/10 

Relation Type 

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Wire-to-Board Connector

Housings

EI Series | EI Series

### EIS REC HSG 8P RED

#### - 8-171822-8

TE INTERNAL NUMBER: 8-171822-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.5 mm**

Number of Positions **8**

Number of Rows **1**

Color **Red**

Mating Retention **With**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Wire-to-Board Connector

Housings

EI Series | EI Series

### REC HSG LOW PROFILE

#### EI 8P - 8-172142-8

TE INTERNAL NUMBER: 8-172142-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.5 mm**

Number of Positions **8**

Number of Rows **1**

Color **Red**

Mating Retention **With**

