



HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

E.I.S 8P POST ASSY GREEN (V)

El Series | El Series

6-171825-8

TE Internal Number: 6-171825-8

Always 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

2D_DXF.ZIP
English

Customer View Model

3D_STP.ZIP
English

Customer View Model

3D_IGS.ZIP
English

3D PDF

PDF
English

Product Specifications

Product Specification

AMP Mass-Termination "El" Series Connector

TIF
English

AMP Mass-Termination "El" Series Connector

PDF
English

AMP El Series, Connector

TIF
Japanese

AMP El Series, Connector

PDF
Japanese

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

Mating Retention Type

Polarized Lock

Housing Features

Centerline

2.5 mm [.098 in]

Housing Color

Green

Housing Material

6/6 Nylon

Dimensions

Tail Length

3.6 mm [.142 in]

Wire/Cable Size (mm²)

.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

REC HSG LOW PROFILE

EI 8P - 6-172142-8

TE INTERNAL NUMBER: 6-172142-8

✓ Active

Not reviewed for RoHS
Compliance

Centerline **2.5 mm**

Number of Positions **8**

Number of Rows **1**

Color **Green**

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

EIS REC HSG 8P RED

- 6-171822-8

TE INTERNAL NUMBER: 6-171822-8

✓ Active

Not reviewed for RoHS
Compliance

Centerline **2.5 mm**

Number of Positions **8**

Number of Rows **1**

Color **Green**

Mating Retention **With**

