



HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

E.I.S 6P POST ASSY GREEN (V)

El Series | El Series

6-171825-6

TE Internal Number: 6-171825-6

Always EU RoHS/ELV Compliant

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

Number of Positions **6**

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	6
	Number of Rows	1
	Number of Positions Applied	6
	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

15 mm [.591 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 6P RED
- 6-171822-6

TE INTERNAL NUMBER: 6-171822-6

✓ Active

Not reviewed for RoHS
Compliance

Centerline **2.5 mm**

Number of Positions **6**

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

**REC HSG LOW PROFILE
EI 6P - 6-172142-6**

TE INTERNAL NUMBER: 6-172142-6

✓ Active

Not reviewed for RoHS
Compliance

Centerline **2.5 mm**

Number of Positions **6**

Number of Rows **1**

Color **Green**

Mating Retention **With**

