



HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

POST HDR ASSY VERT AMP EI CONN

El Series | El Series

171825-6

TE Internal Number: 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_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

3D PDF

PDF
English

Product Specifications

Product Specification

AMP EI Series, Connector

PDF
Japanese

AMP Mass-Termination "EI" Series Connector

PDF
English

Qualification Test Report

AMP EI Series Connector

PDF
English

Product Environmental Compliance

TE Material Declaration





POST HDR ASSY VERT AMP EI CONN

PDF
English

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
<hr/>		
Housing Features	Centerline	2.5 mm [.098 in]
	Housing Color	Natural
	Housing Material	6/6 Nylon
<hr/>		
Dimensions	Tail Length	3.6 mm [.142 in]
	Wire/Cable Size (mm ²)	.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
<hr/>		
Usage Conditions	Operating Temperature Range (°C)	-20 – 95
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Operation/Application	For Use With	Receptacle Assembly
	Pick and Place Cover	Without
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Industry Standards	UL Flammability Rating	UL 94V-0
	CSA Certified	Yes
	Agency/Standard	UL
<hr/>		
Packaging Features	Packaging Method	Bag/Box
	Packaging Quantity	500
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Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p> 	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p> 	<p>BOARD-TO-BOARD HEADERS & RECEPTACLES</p> 	<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p> 
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<p>POST HDR ASSY VERT AMP EI CONN 171825-8</p> <p>Save to List Find Similar Products</p>	<p>2 POS EIS POST HDR 171825-2</p> <p>Save to List Find Similar Products</p>	<p>8P HV100 REC. CON, SMD, GOLD, BLISTER 1241152-8</p> <p>Save to List Find Similar Products</p>	<p>EIS HSG 1-171825-0</p> <p>Save to List Find Similar Products</p>
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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

**EI SER REC HSG LOW
PRO CONN 6P
- 172142-6**

TE INTERNAL NUMBER: 172142-6

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.5 mm**

Number of Positions **6**

Number of Rows **1**

Color **Natural**

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

**6P SERIE EI GEH
- 171822-6**

TE INTERNAL NUMBER: 171822-6

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.5 mm**

Number of Positions **6**

Number of Rows **1**

Color **Natural**

Mating Retention **With**

