



CONNECTORS

## HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### POST HDR ASSY VERT AMP EI CONN

[EI Series](#) | [EI Series](#)

1-171825-2

TE Internal Number: 1-171825-2

[Converted to EU RoHS/ELV Compliant](#)

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

Number of Positions **12**

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 EI Series, Connector](#)

TIF  
Japanese

[AMP EI Series, Connector](#)

[AMP EI Series, Connector](#)PDF  
Japanese[AMP Mass-Termination "EI" Series Connector](#)TIF  
English[AMP Mass-Termination "EI" Series Connector](#)PDF  
English[AMP EI Series Connector](#)PDF  
English[AMP EI Series Connector](#)TIF  
English

Qualification Test Report

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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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>

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Configuration Features	Number of Positions	<b>12</b>
	Number of Rows	<b>1</b>
	Number of Positions Applied	<b>12</b>
	Backwall/Post Interruptions	<b>Without</b>

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Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
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Body Features	Header Type	<b>Shrouded</b>
	Circuit	<b>Standard</b>

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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	<b>Polarized Lock</b>
Housing Features	Centerline	<b>2.5 mm [ .098 in ]</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>6/6 Nylon</b>
Dimensions	Tail Length	<b>3.6 mm [ .142 in ]</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.08 – .33</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Wire/Cable Size (CMA)	<b>159.8 – 642.4</b>
	Mating Post Length	<b>7.5 mm [ .295 in ]</b>
	Length	<b>30 mm [ 1.181 in ]</b>
	Height	<b>10.4 mm [ .409 in ]</b>
	Wire/Cable Size (AWG)	<b>28 – 22</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-20 – 95</b>
Operation/Application	For Use With	<b>Receptacle Assembly</b>
	Pick and Place Cover	<b>Without</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	CSA Certified	<b>Yes</b>
	Agency/Standard	<b>UL</b>
Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>250</b>

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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

