



## HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### CT BOX HDR V SMT 6P O/TAPE NAT

[AMP CT](#) | [AMP CT](#)

292175-6

TE Internal Number: 292175-6

Always EU RoHS/ELV Compliant

Centerline **2 mm [ .079 in ]**

Number of Positions **6**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Surface Mount**

Number of Rows **1**

#### Product Drawings

[ON TAPING \(EMBOSS\) SMT TYPE POST HDR ASS'Y\(V\) W/O BOSS &WITH TAIL TYPE](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

#### Product Specifications

Product Specification

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

TIF  
Japanese

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

PDF  
Japanese

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

PDF  
English

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Product Type Features	PCB Mounting Orientation	<b>Vertical</b>
	Product Type	<b>Connector</b>
	Connector Type	<b>Header</b>
	Shape	<b>Rectangular</b>
	Connector System	<b>Wire-to-Board</b>
	Wire/Cable Type	<b>Discrete Wire</b>
	Strain Relief	<b>Without</b>
	Sealed	<b>No</b>
	Connector Style	<b>Header</b>
Applies To	<b>Printed Circuit Board</b>	

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Configuration Features	Number of Positions	<b>6</b>
	Number of Rows	<b>1</b>
	Tail Orientation	<b>Inline</b>
	Backwall/Post Interruptions	<b>With</b>

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Electrical Characteristics	Operating Voltage	<b>125 VAC [ 125 VDC ]</b>
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Body Features	Header Type	<b>Shrouded</b>
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Contact Features	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>1 – 2 <math>\mu\text{m}</math> [ 39.37 – 78.73 <math>\mu\text{in}</math> ]</b>
	Contact Termination Area Plating Thickness	<b>1 – 2 <math>\mu\text{m}</math> [ 39.37 – 78.73 <math>\mu\text{in}</math> ]</b>
	Contact Shape	<b>Round</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Type	<b>Pin</b>
	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Contact Current Rating (A)	<b>4</b>
	Contact Layout	<b>Inline</b>
	Contact Design	<b>Round Post</b>
Contact Base Material	<b>Brass</b>	

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Termination Features	Termination Method to PC Board	<b>Surface Mount</b>
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Mechanical Attachment	PCB Mounting Style	<b>Surface Mount</b>
	PCB Mount Alignment	<b>Without</b>

Mating Retention	<b>Without</b>
PCB Mount Retention	<b>With</b>
PCB Mount Retention Type	<b>Solder Pads</b>
Contact Retention	<b>With</b>
Mating Alignment Type	<b>Polarization</b>
Panel Mount Retention	<b>With</b>
Mating Alignment	<b>With</b>

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Housing Features	Centerline	<b>2 mm [ .079 in ]</b>
	Housing Color	<b>Natural</b>
	Housing Material	<b>6T PA(GF)</b>

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Dimensions	Mating Post Length	<b>4.5 mm [ .177 in ]</b>
	PCB Thickness (Recommended)	<b>.8 mm [ .031 – .063 in ]</b>
	Height	<b>7.8 mm [ .307 in ]</b>
	Wire/Cable Size (AWG)	<b>28 – 22</b>
	Width	<b>5.8 mm [ .228 in ]</b>
	Insulation Diameter	<b>.93 mm [ .0366 – .041 in ]</b>
	Length	<b>13.8 mm [ .543 in ]</b>

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Usage Conditions	Operating Temperature Range	<b>-40 – 221 °C [ -40 – 105 °F ]</b>
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Operation/Application	For Use With	<b>Printed Circuit Board</b>
	Internal/External	<b>Internal</b>
	Pick and Place Cover	<b>Without</b>

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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	UL File Number	<b>E28476</b>
	Agency/Standard	<b>CSA, UL</b>
	CSA File Number	<b>LR 7189-133</b>

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Packaging Features	Packaging Method	<b>Tape, Box</b>
	Packaging Quantity	<b>700</b>

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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

