



**CONNECTORS**

**HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## CT P/HDR BOX V 6P POL NAT

AMP CT | AMP CT

292251-6

TE Internal Number: 292251-6

EU RoHS Compliant

EU ELV Compliant

Connector System Wire-to-Board

Number of Positions 6

Centerline (Pitch) (mm) 2

PCB Mounting Orientation Vertical

Number of Rows 1

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### DOCUMENTATION

Product Drawings

**POST HEADER ASS'Y POLARIZE TYPE (BOX-V TYPE) (AMP CT CONNECTOR 2mm PITCH)**

PDF

English

CAD Files

**Customer View Model**

3D\_IGS.ZIP

English

**Customer View Model**

3D\_STP.ZIP

English

## Customer View Model

2D\_DXF.ZIP

English

## 3D PDF

PDF

English

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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

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Product Environmental Compliance

TE Material Declaration

## MD\_292251-6\_03282011619

PDF

English

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## FEATURES



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

**Connector System** Wire-to-Board

**PCB Mounting Orientation** Vertical

**Header Type** Shrouded

**Sealable** No

**Product Type** Connector

**Connector Type** Header

**Shape** Rectangular

**Connector Style** Plug

**Wire/Cable Type** Discrete Wire

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Configuration Features

**Number of Positions** 6

**Number of Rows** 1

**Tail Orientation** Inline

**Backwall/Post Interruptions** Without

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Electrical Characteristics

**Operating Voltage (VAC)** 125

**Operating Voltage (VDC)** 125

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## Contact Features

**Contact Mating Area Plating Material** Tin  
**Contact Mating Area Plating Thickness** 1 µm [ 39.37 µin ]  
**Contact Current Rating (Max) (A)** 4  
**Contact Base Material** Brass  
**Contact Layout** Inline  
**Contact Termination Area Plating Material** Tin  
**Contact Termination Area Plating Thickness** 1 µm [ 39.37 µin ]  
**Contact Transmits (Typical)** Signal (Data)  
**Contact Design** Round Post  
**Tail Plating Material** Tin  
**Contact Type** Pin

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## Termination Features

**Termination Method to PC Board** Through Hole - Solder

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## Mechanical Attachment

**PCB Mount Alignment** With  
**PCB Mount Alignment Type** Locating Posts  
**Mating Retention** Without  
**PCB Mount Retention** With  
**PCB Mount Retention Type** Boardlocks  
**Mating Alignment** With  
**Mating Retention Type** Detent Windows  
**Mating Alignment Type** Polarization  
**Contact Retention** Without

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## Housing Features

**Centerline (Pitch) (mm)** 2  
**Housing Material** Nylon 66  
**Housing Color** Natural

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## Dimensions

**Height** 6.8 mm [ .267 in ]  
**Tail Length** 3.2 mm [ .126 in ]  
**Width** 5.8 mm [ .228 in ]  
**PCB Thickness (Recommended)** .8 mm [ .031 – .063 in ]  
**Length** 13.8 mm [ .543 in ]  
**Wire/Cable Size (AWG)** 28 – 22  
**Mating Post Length** 4.2 mm [ .165 in ]

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## Usage Conditions

**Operating Temperature Range** -40 – 105 °C [ -40 – 105 °F ]

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## Operation/Application

**Pick and Place Cover** Internal

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## Industry Standards

**Agency/Standard** UL 94V-0  
**UL Flammability Rating** UL 94V-0

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Packaging Features

**Packaging Reel Diameter** 500

**Packaging Method** Bag/Box

**Packaging Quantity** 500

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**PRODUCT COMPLIANCE**



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Statement of Compliance

**Statement of Compliance**

PDF

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