

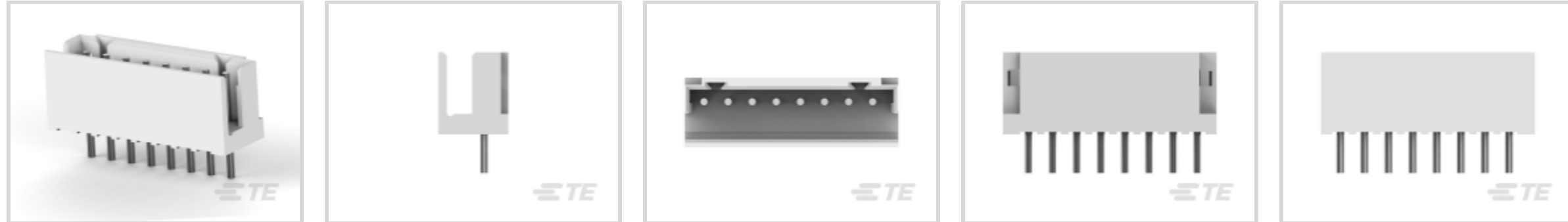
# CT 2mm Post Header Assembly: Box-V



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Connectors > PCB Connectors > PCB Headers & Receptacles

AMP CT 2.0mm Post Header Assembly: Box V without Kink.



Connector System: **Wire-to-Board**

Number of Rows: **1**

PCB Mount Orientation: **Vertical**

Termination Method to Printed Circuit Board: **Through Hole - Solder**

Header Type: **Partially Shrouded**

## Features

### Product Type Features

Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

### Configuration Features

Number of Positions	2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15
Number of Rows	1
PCB Mount Orientation	Vertical

### Electrical Characteristics

Operating Voltage (VDC)	125
Operating Voltage (VAC)	125

### Body Features

Primary Product Color	Black, Blue, Natural, Yellow
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### Contact Features

Contact Layout	Inline
Contact Mating Area Length (mm)	4.2
Contact Mating Area Length (in)	.165

PCB Contact Termination Area Plating Material Thickness ( $\mu\text{m}$ )	1
PCB Contact Termination Area Plating Material Thickness ( $\mu\text{in}$ )	39.37
Mating Pin Diameter (mm)	.6
Mating Pin Diameter (in)	.024
Contact Mating Area Plating Material Thickness ( $\mu\text{m}$ )	1
Contact Mating Area Plating Material Thickness ( $\mu\text{in}$ )	39.37
Contact Shape & Form	Round, Rounded
Contact Mating Area Plating Material Finish	Bright, Matte
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max) (A)	4

#### Termination Features

Round Termination Post & Tail Diameter (mm)	.6
Round Termination Post & Tail Diameter (in)	.024
Termination Post & Tail Length (mm)	3.2
Termination Post & Tail Length (in)	.126
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
Panel Mount Feature	Without
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

#### Housing Features

Housing Material	66 Nylon
Centerline (Pitch) (mm)	2
Centerline (Pitch) (in)	.078, .079

#### Dimensions

Connector Length (mm)	11.8, 15.8, 17.8, 19.8, 21.8, 23.8, 25.8, 27.8, 29.8, 31.8, 5.8, 7.8, 9.8
Connector Length (in)	.228, .307, .386, .465, .622, .701, .78, .858, .937, 1.016, 1.095, 1.173, 1.252
Connector Height (mm)	6.8
Connector Height (in)	.267
Connector Width (mm)	5.8
Connector Width (in)	.228
PCB Thickness (Recommended) (mm)	.8
PCB Thickness (Recommended) (in)	.031 - .063

### Usage Conditions

Operating Temperature Range (°C)	-30 - 105, -22 - 221
Operating Temperature Range (°F)	-30 - 105, -22 - 221

### Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power & Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

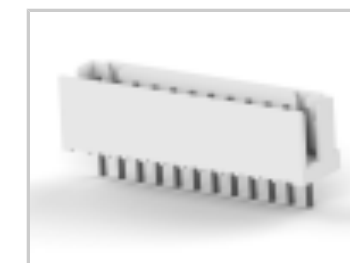
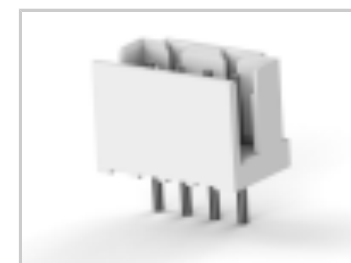
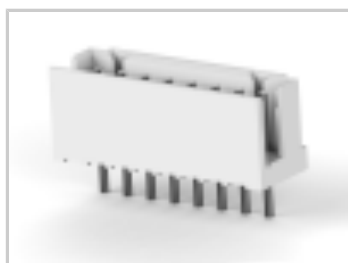
Packaging Quantity	200, 500, 1000
Packaging Type	Bag, Box

### Reference Number

TE Internal Number	CAT-3980408-PHDBXV
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 4)



CT P/HDR ASSY BOX V 2P W/O KIN

CT P/HDR ASSY BOX V 8P W/O KIN

CT P/HDR ASSY BOX V 4P W/O KIN

CT P/HDR ASSY BOX V 12P W/O KI

TE Part #	292133-2	292133-8	292133-4	1-292133-2
Number of Positions	2	8	4	12
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Primary Product Color	Natural	Natural	Natural	Natural
Operating Temperature Range	-30 - 105 °C	-30 - 105 °C	-30 - 105 °C	-30 - 105 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

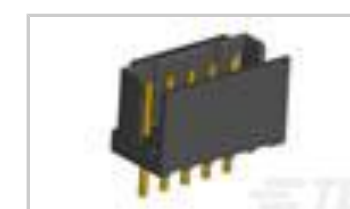
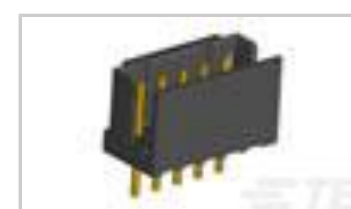
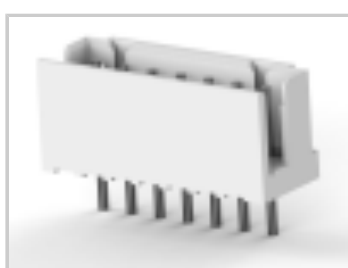
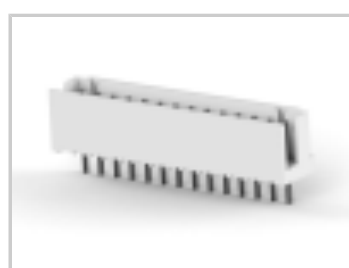
**\*EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**\*\*EU ELV Directive 2000/53/EC**

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Products (2 of 4)



CT P/HDR ASSY BOX V 14P  
W/O KI

CT P/HDR ASSY BOX V 7P W  
/O KI

CT P/HDR ASSY BOX V 5P W  
/O KI

CT P/HDR ASSY BOX V 10P  
W/O KI

TE Part #	1-292133-4	292133-7	292133-5	1-292133-0
Number of Positions	14	7	5	10
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Primary Product Color	Natural	Natural	Natural	Natural
Operating Temperature Range	-30 - 105 °C	-30 - 105 °C	-22 - 221 °C	-22 - 221 °C
EU RoHS Directive 2011/65 /EU	Not Yet Reviewed for EU RoHS	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

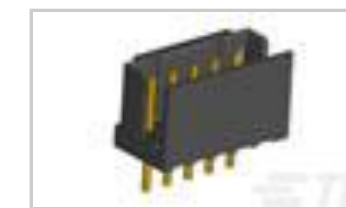
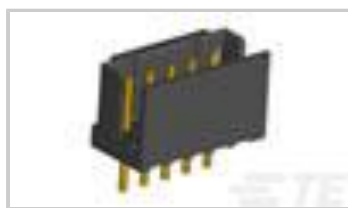
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Products (3 of 4)



CT P/HDR ASSY BOX V 3P W/O KIN

CT P/HDR ASSY BOX V 3P W/O KIN

CT P/HDR ASSY BOX V 11P W/O KI

CT P/HDR ASSY BOX V 13P W/O KI

TE Part #	4-292133-3	6-292133-3	1-292133-1	1-292133-3
Number of Positions	3	3	11	13
Centerline (Pitch)	2 mm	2 mm	2 mm	2 mm
Primary Product Color	Yellow	Black	Natural	Natural
Operating Temperature Range	-22 - 221 °C	-22 - 221 °C	-22 - 221 °C	-22 - 221 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	Not Yet Reviewed for EU RoHS	Not Yet Reviewed for EU RoHS
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT	AMP CT

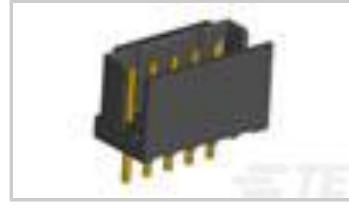
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Products (4 of 4)



CT P/HDR ASSY BOX V 15P W/O KI



CT P/HDR ASSY BOX V 3P W/O KIN



CT P/HDR ASSY BOX V 9P W/O KIN

TE Part #	1-292133-5	2-292133-3	292133-9
Number of Positions	15	3	9
Centerline (Pitch)	2 mm	2 mm	2 mm
Primary Product Color	Natural	Blue	Natural
Operating Temperature Range	-22 - 221 °C	-22 - 221 °C	-22 - 221 °C
EU RoHS Directive 2011/65/EU	Not Yet Reviewed for EU RoHS	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Series	AMP CT	AMP CT	AMP CT

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## Related Materials

[Data Sheet](#)

[2.0MM\\_AMP\\_CT\\_CONNECTOR\\_SERIES\\_QUICK\\_REF\\_GUIDE](#)

English