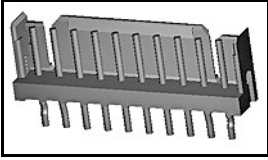


## 1-292161-5 Product Details

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1-292161-5

TE Internal Number: 1-292161-5

 Active

[View 3D PDF](#)

### 2mm AMP CT Connectors

 Always EU RoHS/ELV Compliant  
(Statement of Compliance)

#### Product Highlights:

- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header
- Header Type = Partially Shrouded

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(3\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

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### Documentation & Additional Information

#### Product Drawings:

- [POST HEADER ASS'Y VERTICAL TYPE \(AMP CT CONNECTOR 2m...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [2.0MM\\_AMP\\_CT\\_CONNECTOR\\_SERIES\\_QUICK\\_REF\\_GUIDE](#) (PDF, English)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

[List all Documents](#)

#### Additional Product Images:

- [Typical Application](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(3\)](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- [Product Type](#) = Connector
- Connector Type = Header
- Termination Method to PC Board = Through Hole - Solder
- PCB Mounting Orientation = Vertical
- PCB Mount Alignment = Without
- [PCB Mount Retention](#) = With
- PCB Mount Retention Type = Kinked Leg(s)
- Shrouded = Yes - Partial
- Sealed = No
- UL File Number = E28476
- CSA File Number = LR 7189

#### Electrical Characteristics:

- Contact - Rated Current (A) = 4

#### Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 2.00 [0.079]
- Housing Color = Natural
- UL Flammability Rating = UL 94V-0

#### Configuration Features:

- [Number of Positions](#) = 15
- [Number of Rows](#) = 1

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant

- Operating Voltage Reference = AC/DC, AC, DC
- Operating Voltage (VAC) = 125
- Operating Voltage (VDC) = 125

**Termination Features:**

- Wire/Cable Size (AWG) = 22 - 28
- Tail Orientation = In-line
- Tail Length (mm [in]) = 3.2 [0.126]

**Dimensions:**

- Mating Post Length (mm [in]) = 4.50 [0.177]
- PCB Thickness, Recommended (mm [in]) = 0.80 - 1.60 [0.031 - 0.063]
- Length (X-Axis) (mm [in]) = 31.80 [1.252]
- Width (Z-Axis) (mm [in]) = 3.60 [0.141]
- Profile Height (Y-Axis) (mm [in]) = 6.80 [0.267]

**Body Features:**

- Header Type = Partially Shrouded
- Mating Retention = Without

**Contact Features:**

- Contact Type = Pin
- Contact Plating, Mating Area, Material = Tin
- Contact Plating, Mating Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 1 [39.37]
- Contact Plating, Termination Area, Material = Tin
- Contact Plating, Termination Area, Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 1 [40]

- Agency/Standard = CSA, UL

**Environmental:**

- Operating Temperature ( $^{\circ}\text{C}$  [ $^{\circ}\text{F}$ ]) = -40 - +105 [-40 - +221]

**Conditions for Usage:**

- Applies To = Printed Circuit Board

**Operation/Application:**

- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)
- Pick and Place Cover = Without

**Packaging Features:**

- Packaging Method = Bag, Box

**Other:**

- Brand = AMP

**Corporate Information**

- [About TE](#)
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**Quick Links**

- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

**Customer Support**

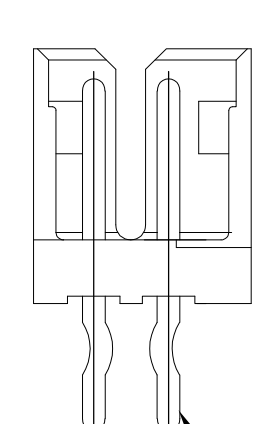
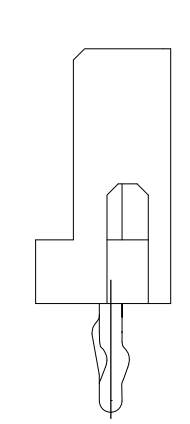
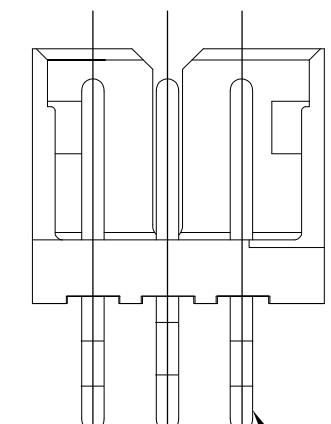
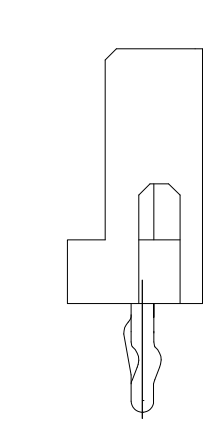
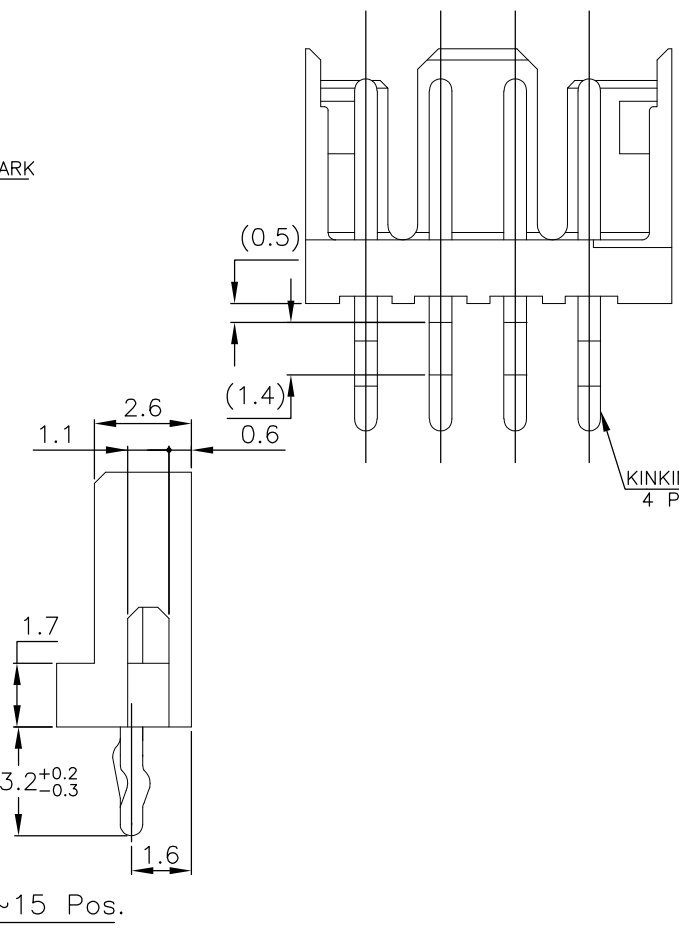
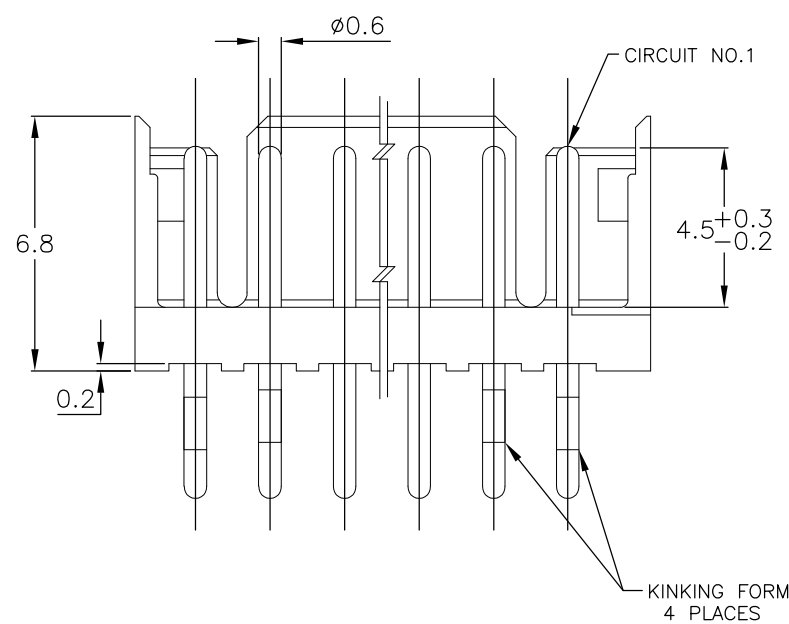
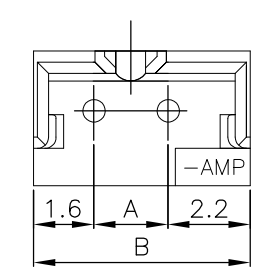
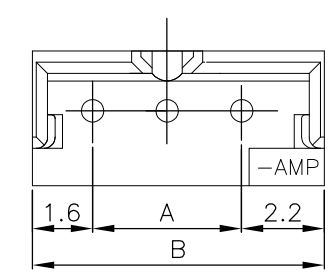
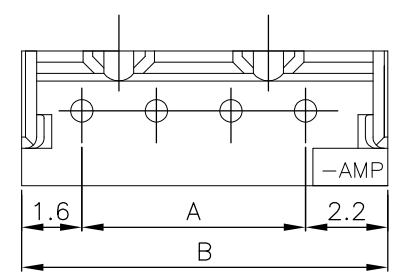
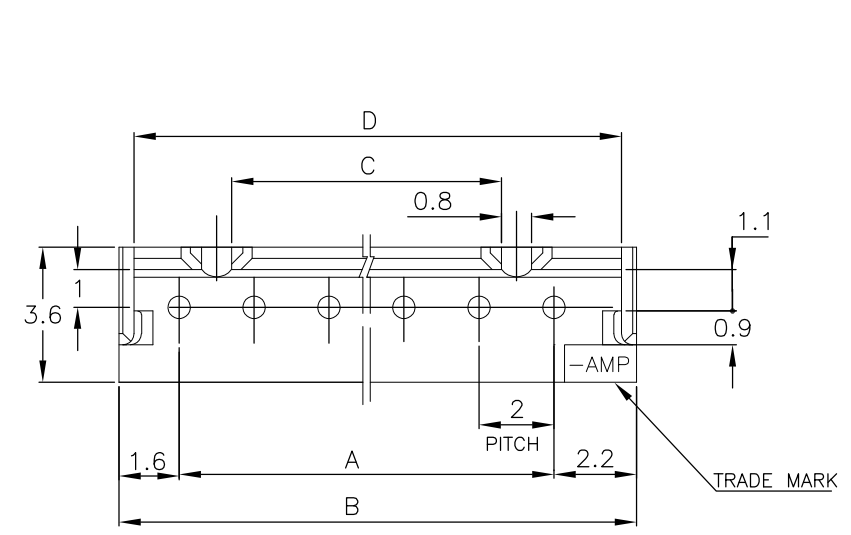
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|     |      |           |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
| LOC | DIST | REVISIONS |     |                           |         |     |      |
| FB  | 00   | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
|     |      | P         |     | REVISED PER ECO-11-005033 | 24MAR11 | RK  | HMR  |



4 POS.

3 POS.

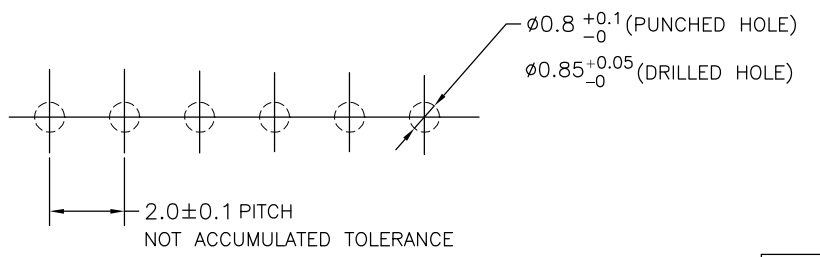
2 POS.

5~15 Pos.

NOTES:

- 1.MATERIAL: HOUSING - NYLON 66 (UL94V-0)  
POST - TIN BRASS
- 2.APPLICABLE RECEPTACLE P/N 173977

|            |            |            |            |            |      |    |      |      |      |
|------------|------------|------------|------------|------------|------|----|------|------|------|
|            | 7-292161-5 | 5-292161-5 | 3-292161-5 | 1-292161-5 | 15   | 28 | 31.8 | 25.2 | 31.0 |
|            | 7- ↑ -4    | 5- ↑ -4    | 3- ↑ -4    | 1- ↑ -4    | 14   | 26 | 29.8 | 23.2 | 29.0 |
|            | 7- -3      | 5- -3      | 3- -3      | 1- -3      | 13   | 24 | 27.8 | 21.2 | 27.0 |
| 9-292161-2 | 7- -2      | 5- -2      | 3- -2      | 1- -2      | 12   | 22 | 25.8 | 19.2 | 25.0 |
| 9- ↑ -1    | 7- -1      | 5- -1      | 3- -1      | 1- -1      | 11   | 20 | 23.8 | 17.2 | 23.0 |
| 9- -0      | 7- -0      | 5- -0      | 3- -0      | 1- -0      | 10   | 18 | 21.8 | 15.2 | 21.0 |
| 8- -9      | 6- -9      | 4- -9      | 2- -9      |            | 9    | 16 | 19.8 | 13.2 | 19.0 |
| 8- -8      | 6- -8      | 4- -8      | 2- -8      |            | 8    | 14 | 17.8 | 11.2 | 17.0 |
| 8- -7      | 6- -7      | 4- -7      | 2- -7      |            | 7    | 12 | 15.8 | 9.2  | 15.0 |
| 8- -6      | 6- -6      | 4- -6      | 2- -6      |            | 6    | 10 | 13.8 | 7.2  | 13.0 |
| 8- -5      | 6- -5      | 4- -5      | 2- -5      |            | 5    | 8  | 11.8 | 5.2  | 11.0 |
| 8- -4      | 6- -4      | 4- -4      | 2- -4      |            | 4    | 6  | 9.8  | 3.2  | 9.0  |
| 8- ↓ -3    | 6- ↓ -3    | 4- ↓ -3    | 2- ↓ -3    |            | 3    | 4  | 7.8  | —    | 7.0  |
| 8-292161-2 | 6-292161-2 | 4-292161-2 | 2-292161-2 | 292161-2   | 2    | 2  | 5.8  | —    | 5.0  |
| RED        | BLACK      | YELLOW     | BLUE       | NATURAL    | Pos. | A  | B    | C    | D    |



RECOMMENDABLE PCB LAYOUT  
 (PCB THK:0.8-1.6)

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|              |         |
|--------------|---------|
| 10 > *       | : ±0.2  |
| 30 > * > 10  | : ±0.25 |
| 100 > * > 30 | : ±0.3  |
| ANGLE        | : ±3°   |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |  |
|-------------|--|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
| mm          | 0 PLC ± -                              |
|             | 1 PLC ± -                              |
|             | 2 PLC ± -                              |
|             | 3 PLC ± -                              |
|             | 4 PLC ± -                              |
|             | ANGLES ± -                             |
| MATERIAL    | FINISH                                 |
| SEE NOTE    | SEE NOTE                               |

|                  |   |          |                     |
|------------------|---|----------|---------------------|
| DWN              | S.XU  | 31JAN03  | <br>TE Connectivity |
| CHK              | S.YAO   | 31JAN03  |                     |
| APVD             | T. SASAKI   | 31JAN03  |                     |
| NAME             | POST HEADER ASS'Y VERTICAL TYPE<br>(AMP CT CONNECTOR 2mm PITCH) |          |                     |
| PRODUCT SPEC     | 108-60016   |          | RESTRICTED TO       |
| APPLICATION SPEC | -   |          | SCALE               |
| WEIGHT           | -   |          | 5:1                 |
| CUSTOMER DRAWING | SIZE  | A3       | CAGE CODE           |
|                  | CAGE CODE   | 00779    | DRAWING NO          |
|                  | DRAWING NO  | C-292161 | SHEET               |
|                  | SHEET   | 1 OF 1   | REV                 |
|                  | REV   | P        |                     |