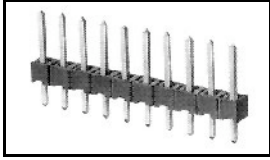


## 4-102972-0 Product Details

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4-102972-0

TE Internal Number: 4-102972-0

 Active

[View 3D PDF](#)

### .100 inch AMPMODU Headers

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

#### Product Highlights:

- Connector
- Header Type = Breakaway
- 40 Positions
- Mating Post Length = 8.08 mm
- Row-to-Row Spacing = 2.54 mm

[View all Features](#)

#### Quick Links

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

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### Documentation & Additional Information

#### Product Drawings:

- [HEADER ASSY, MOD II, BREAKAWAY, SINGLE ROW, .100 VER...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

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

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

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

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

#### Product Type Features:

- Product Type = Connector
- Mount Angle = Vertical
- PCB Mount Retention = Without
- Board Standoff = Without
- Mating Connector Lock = Without
- Post Size (mm [in]) = 0.64 [.025]

#### Mechanical Attachment:

- Mounting Ears = Without
- Panel Mount Retention = Without

#### Electrical Characteristics:

- Current Rating (A) = 3
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

#### Termination Features:

#### Housing Features:

- Housing Material = Thermoplastic - GF

#### Configuration Features:

- Number of Positions = 40
- Number of Rows = 1
- Surface Mount Compatible = No

#### Industry Standards:

- RoHS/ELV Compliance = Not ELV/RoHS compliant
- Lead Free Solder Processes = Wave solder capable to 240°C
- UL Flammability Rating = UL 94V-0
- Approved Standards = CSA LR7189, UL E28476

#### Environmental:

- Operating Temperature (°C) = -65 - +105

- Termination Post Length (mm [in]) = 3.18 [0.125]

**Dimensions:**

- Mating Post Length (mm [in]) = 8.08 [0.318]

**Body Features:**

- Header Type = Breakaway
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Selectively Loaded = No
- Mount Type = Printed Circuit Board

**Contact Features:**

- Contact Plating, Mating Area, Material = Gold (15)
- Solder Tail Contact Plating = Tin-Lead over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

**Conditions for Usage:**

- High Temperature Housing = No

**Operation/Application:**

- High Speed Serial Data Connector = No

**Other:**

- Brand = AMP
- Comment = Headers may be broken to desired number of positions using Hand Tool No. 91406-1, or Tool Kit No. 314818-1. Other tail lengths are available, consult Tyco Electronics.

**Corporate Information**

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- [News Room](#)
- [Supplier Portal](#)
- [Careers](#)
- [Terms & Conditions](#)
- [Privacy Policy](#)
- [AODA Accessibility Policy](#)
- [AODA Multi-Year Accessibility Plan](#)

**Quick Links**

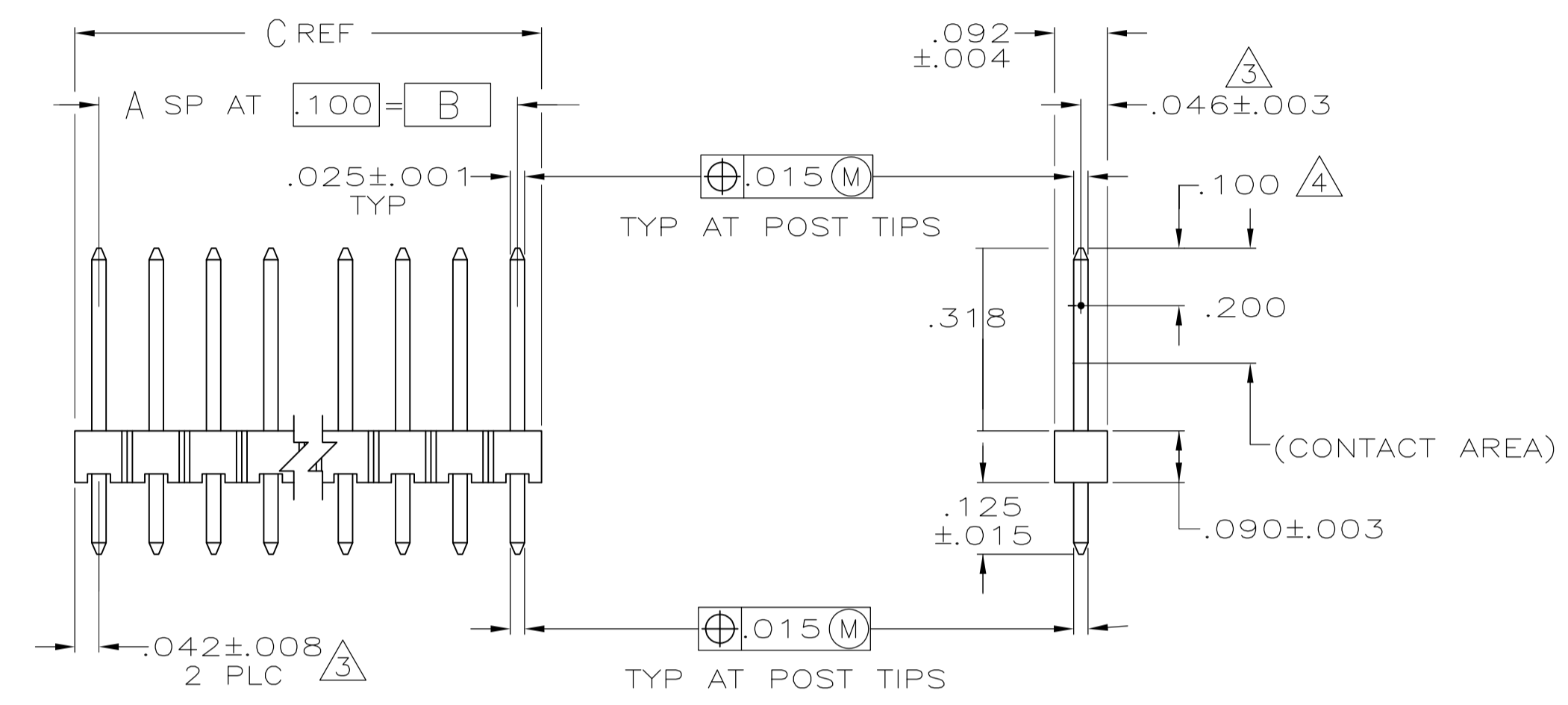
- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

**Customer Support**

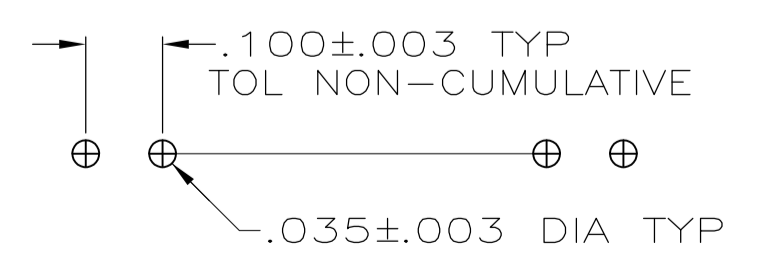
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**Keep Me Informed**





- 1 ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
- 2 TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADERS ARE HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD
- 3 THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING
- 4 POINT OF MEASUREMENT FOR PLATING THICKNESS
- 5 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



RECOMMENDED HOLE LAYOUT

3.984	3.900	39	40	4-102972-0
3.884	3.800	38	39	3-102972-9
3.784	3.700	37	38	3-102972-8
3.684	3.600	36	37	3-102972-7
3.584	3.500	35	36	3-102972-6
3.484	3.400	34	35	3-102972-5
3.384	3.300	33	34	3-102972-4
3.284	3.200	32	33	3-102972-3
3.184	3.100	31	32	3-102972-2
3.084	3.000	30	31	3-102972-1
2.984	2.900	29	30	3-102972-0
2.884	2.800	28	29	2-102972-9
2.784	2.700	27	28	2-102972-8
2.684	2.600	26	27	2-102972-7
2.584	2.500	25	26	2-102972-6
2.484	2.400	24	25	2-102972-5
2.384	2.300	23	24	2-102972-4
2.284	2.200	22	23	2-102972-3
2.184	2.100	21	22	2-102972-2
2.084	2.000	20	21	2-102972-1
1.984	1.900	19	20	2-102972-0
1.884	1.800	18	19	1-102972-9
1.784	1.700	17	18	1-102972-8
1.684	1.600	16	17	1-102972-7
1.584	1.500	15	16	1-102972-6
1.484	1.400	14	15	1-102972-5
1.384	1.300	13	14	1-102972-4
1.284	1.200	12	13	1-102972-3
1.184	1.100	11	12	1-102972-2
1.084	1.000	10	11	1-102972-1
.984	.900	9	10	1-102972-0
.884	.800	8	9	102972-9
.784	.700	7	8	102972-8
.684	.600	6	7	102972-7
.584	.500	5	6	102972-6
.484	.400	4	5	102972-5
.384	.300	3	4	102972-4
.284	.200	2	3	102972-3
.184	.100	1	2	102972-2
.084	—	—	1	102972-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN H MOLL 10-9-87	APVD T CLARK 10-12-87	 TE Connectivity									
<table border="1"> <tr><td>0 PLC</td><td>± -</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± -</td></tr> <tr><td>3 PLC</td><td>± .005</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> </table>	0 PLC	± -	1 PLC		± -	2 PLC	± -	3 PLC	± .005	4 PLC	± -	FINISH: POS: .00015 GOLD ON CONTACT AREA. 00015-00020 WHITE TIN-LEAD. ON SOLDER TAIL ALL OVER .000050 NICKEL.	NAME: R FLICKER 10-12-87
0 PLC	± -												
1 PLC	± -												
2 PLC	± -												
3 PLC	± .005												
4 PLC	± -												
MATERIAL: HOUSING: BARE BRASS/PLATE: CLEAN BRASS/POSTS: PHOSPHOR BRONZE	WEIGHT: —	SIZE: A1	SCALE: 4:1	RESTRICTED TO: —									

CUSTOMER DRAWING      SHEET 1 OF 1      REV G3