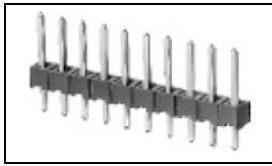


## 5-146276-2 Product Details

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**5-146276-2**

TE Internal Number: 5-146276-2

Active

[View 3D PDF](#)

### .100 inch AMPMODU Headers

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector
- Header Type = Breakaway
- 2 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 ASSEMBLY, MOD , BREAKWAY, SINGLE ROW, HIGH...](#) (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 F)
- [3D Model](#) (IGES, Version F)
- [3D Model](#) (STEP, Version F)

[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 = With
- Mating Connector Lock = Without
- Post Size (mm [in]) = 0.64 [.025]

#### Mechanical Attachment:

- Mounting Ears = Without
- Panel Mount Retention = Without

#### Termination Features:

- 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 over Nickel, Matte Tin over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

#### Housing Features:

- Housing Material = Liquid Crystal Polymer (LCP)
- UL Flammability Rating = UL 94V-0

#### Configuration Features:

- Number of Positions = 2
- Number of Rows = 1
- Surface Mount Compatible = Yes

#### Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C, Reflow solder capable to 245°C, Reflow solder capable to 260°C, Pin-in-Paste capable to 245°C, Pin-in-Paste capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant

#### Conditions for Usage:

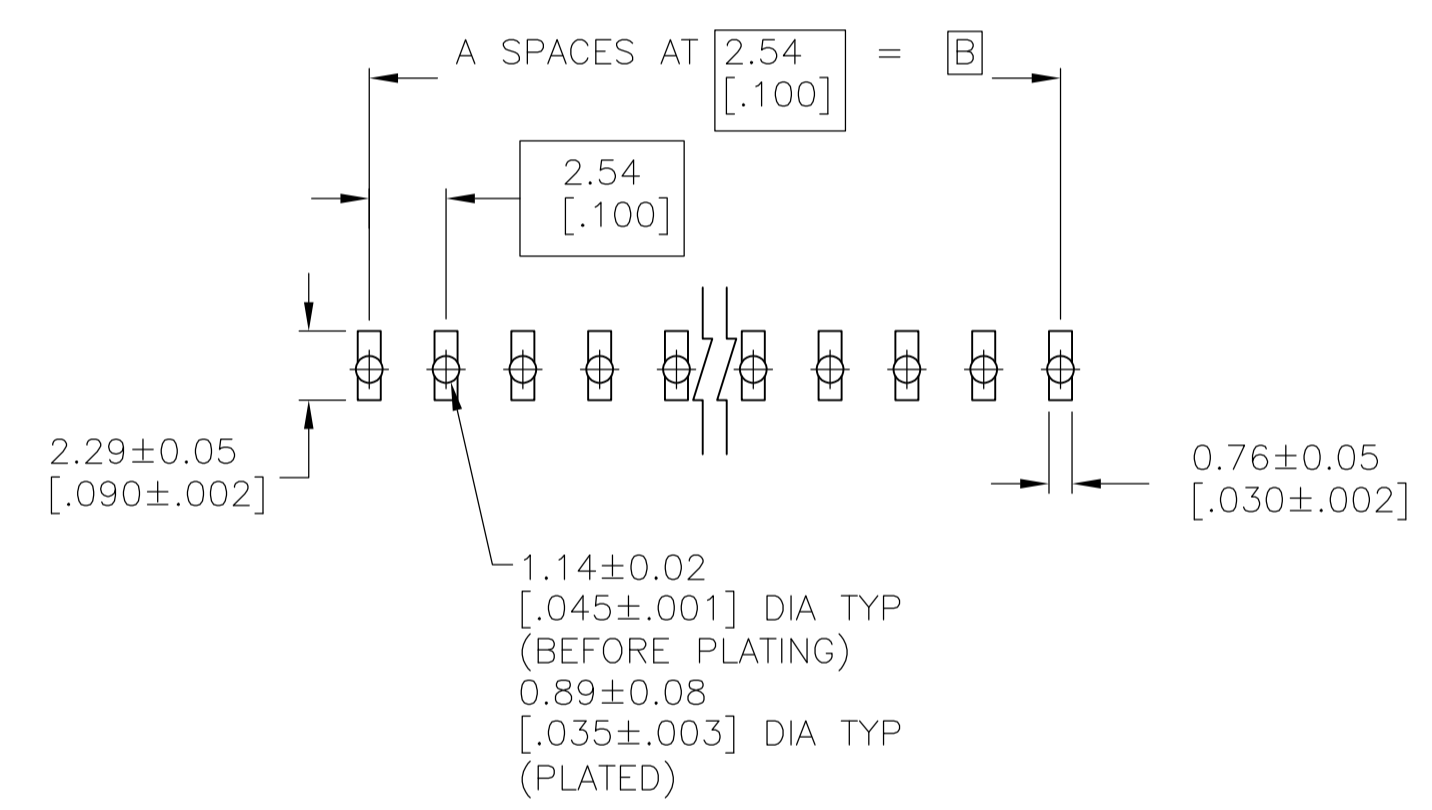
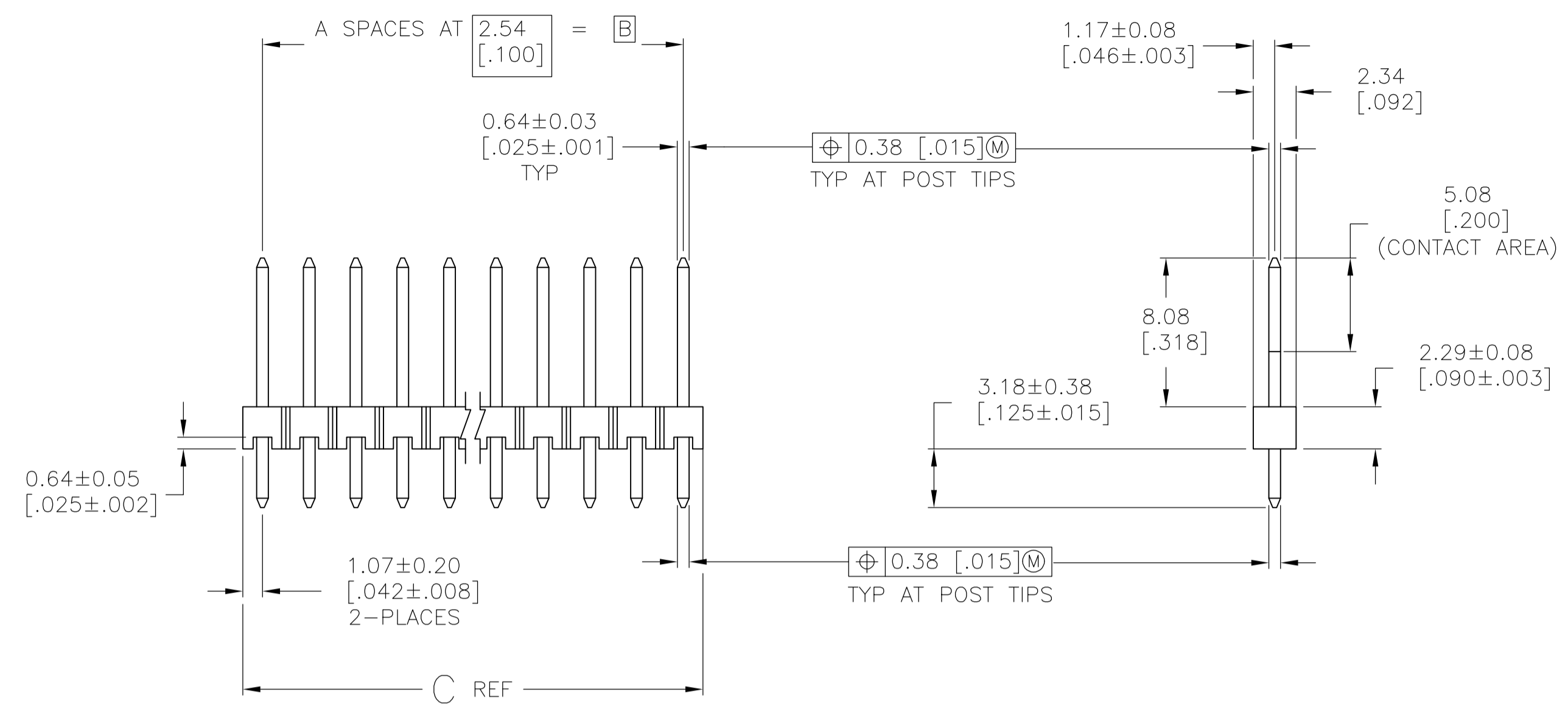
- High Temperature Housing = Yes

#### Operation/Application:

- High Speed Serial Data Connector = No

#### Other:

- Brand = AMP



RECOMMENDED PC BOARD MOUNTING DIMENSIONS FOR .063 [1.60] THICK PC BOARD AND .012 [.305] STENCIL THICK.

- ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
- TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADERS ARE HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD
- 0.000381 [.000015] GOLD IN CONTACT AREA, 0.00254-0.00504 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- MATERIAL: HOUSING - LCP, COLOR: BLACK. POSTS - BRASS
- 0.000381 [.000015] GOLD IN CONTACT AREA, 0.00254-0.00504 [.000100-.000200] MATTE TIN ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- OBsolete PARTS: OBsolete CIS STREAMLINING PER D.RENAUD/D.SINISI

5	101.19	99.06	39	40	9-146276-0
5	98.65	96.52	38	39	6-146276-9
5	96.11	93.98	37	38	6-146276-8
5	93.57	91.44	36	37	6-146276-7
5	91.03	88.90	35	36	6-146276-6
5	88.49	86.36	34	35	6-146276-5
5	85.95	83.82	33	34	6-146276-4
5	83.41	81.28	32	33	6-146276-3
5	80.87	78.74	31	32	8-146276-2
5	78.33	76.20	30	31	6-146276-1
5	75.79	73.66	29	30	8-146276-0
5	73.25	71.12	28	29	6-146276-9
5	70.71	68.58	27	28	6-146276-8
5	68.17	66.04	26	27	6-146276-7
5	65.63	63.5	25	26	6-146276-6
5	63.09	60.96	24	25	6-146276-5
5	60.55	58.42	23	24	6-146276-4
5	58.01	55.88	22	23	7-146276-3
5	55.47	53.34	21	22	6-146276-2
5	52.93	50.80	20	21	7-146276-1
5	50.39	48.26	19	20	6-146276-0
5	47.85	45.72	18	19	6-146276-9
5	45.31	43.18	17	18	6-146276-8
5	42.77	40.64	16	17	6-146276-7
5	40.23	38.10	15	16	6-146276-6
5	37.69	35.56	14	15	6-146276-5
5	35.15	33.02	13	14	6-146276-4
5	32.61	30.48	12	13	6-146276-3
5	30.07	27.94	11	12	6-146276-2
5	27.53	25.40	10	11	6-146276-1
5	24.99	22.86	9	10	6-146276-0
5	22.45	20.32	8	9	5-146276-9
5	19.91	17.78	7	8	5-146276-8
5	17.37	15.24	6	7	6-146276-7
5	14.83	12.70	5	6	5-146276-6
5	12.29	10.16	4	5	5-146276-5
5	9.75	7.62	3	4	5-146276-4
5	7.21	5.08	2	3	5-146276-3
5	4.67	2.54	1	2	5-146276-2
5	2.13	-	0	1	5-146276-1
PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER

3	101.19	99.06	39	40	4-146276-0
3	98.65	96.52	38	39	6-146276-9
3	96.11	93.98	37	38	6-146276-8
3	93.57	91.44	36	37	6-146276-7
3	91.03	88.90	35	36	6-146276-6
3	88.49	86.36	34	35	6-146276-5
3	85.95	83.82	33	34	6-146276-4
3	83.41	81.28	32	33	6-146276-3
3	80.87	78.74	31	32	6-146276-2
3	78.33	76.20	30	31	6-146276-1
3	75.79	73.66	29	30	6-146276-0
3	73.25	71.12	28	29	6-146276-9
3	70.71	68.58	27	28	6-146276-8
3	68.17	66.04	26	27	6-146276-7
3	65.63	63.5	25	26	6-146276-6
3	63.09	60.96	24	25	6-146276-5
3	60.55	58.42	23	24	6-146276-4
3	58.01	55.88	22	23	6-146276-3
3	55.47	53.34	21	22	6-146276-2
3	52.93	50.80	20	21	6-146276-1
3	50.39	48.26	19	20	6-146276-0
3	47.85	45.72	18	19	6-146276-9
3	45.31	43.18	17	18	6-146276-8
3	42.77	40.64	16	17	6-146276-7
3	40.23	38.10	15	16	6-146276-6
3	37.69	35.56	14	15	6-146276-5
3	35.15	33.02	13	14	6-146276-4
3	32.61	30.48	12	13	6-146276-3
3	30.07	27.94	11	12	6-146276-2
3	27.53	25.40	10	11	6-146276-1
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3	12.29	10.16	4	5	6-146276-5
3	9.75	7.62	3	4	6-146276-4
3	7.21	5.08	2	3	6-146276-3
3	4.67	2.54	1	2	6-146276-2
3	2.13	-	0	1	6-146276-1
PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN T. HOFFMAN 6/12/95	APVD G. DUBNICZKI 6/29/95	NAME
0 PLC ± -	1 PLC ± -	2 PLC ± 0.51 [0.02]	3 PLC ± 0.127 [0.005]	4 PLC ± 0.0127 [0.0005]
MATERIAL	FINISH	SEE TABLE	WEIGHT	SIZE
				A1

STE TE Connectivity

HEADER ASSEMBLY, MOD II, BREAKWAY, SINGLE ROW, HIGH TEMPERATURE, VERTICAL W/.025 SQ POSTS, .100 CL

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 1 REV F3