



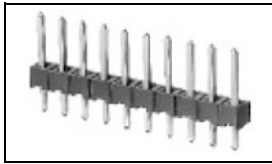
Have a Question?  
Chat with a Product  
Information Specialist

What can we help you find?

[Products](#) [Industries](#) [Resources](#) [About TE](#) [My Account](#) [Innovation](#) [Support Center](#)

## 5-146278-3 Product Details

[Share](#) [Print](#) [Email](#)



5-146278-3

TE Internal Number: 5-146278-3

Active

[View 3D PDF](#)

### .100 inch AMPMODU Headers

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector
- Header Type = Standard
- 3 Positions
- Mating Post Length = 5.84 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](#)

[Add to My Part List](#) [Request Sample](#) [Find Similar Products](#) [Buy Product](#)

### Documentation & Additional Information

#### Product Drawings:

- [HEADER ASSEMBLY, MOD II, BREAKAWAY, SINGLE ROW, H...](#) (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
- Surface Mount Compatible = Yes
- 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]) = 3.05 [0.120]
- Solder Tail Contact Plating = Tin over Nickel

#### Dimensions:

- Mating Post Length (mm [in]) = 5.84 [0.230]

#### Body Features:

- Header Type = Standard
- 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 = Tin
- 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 = 3
- Number of Rows = 1

#### 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

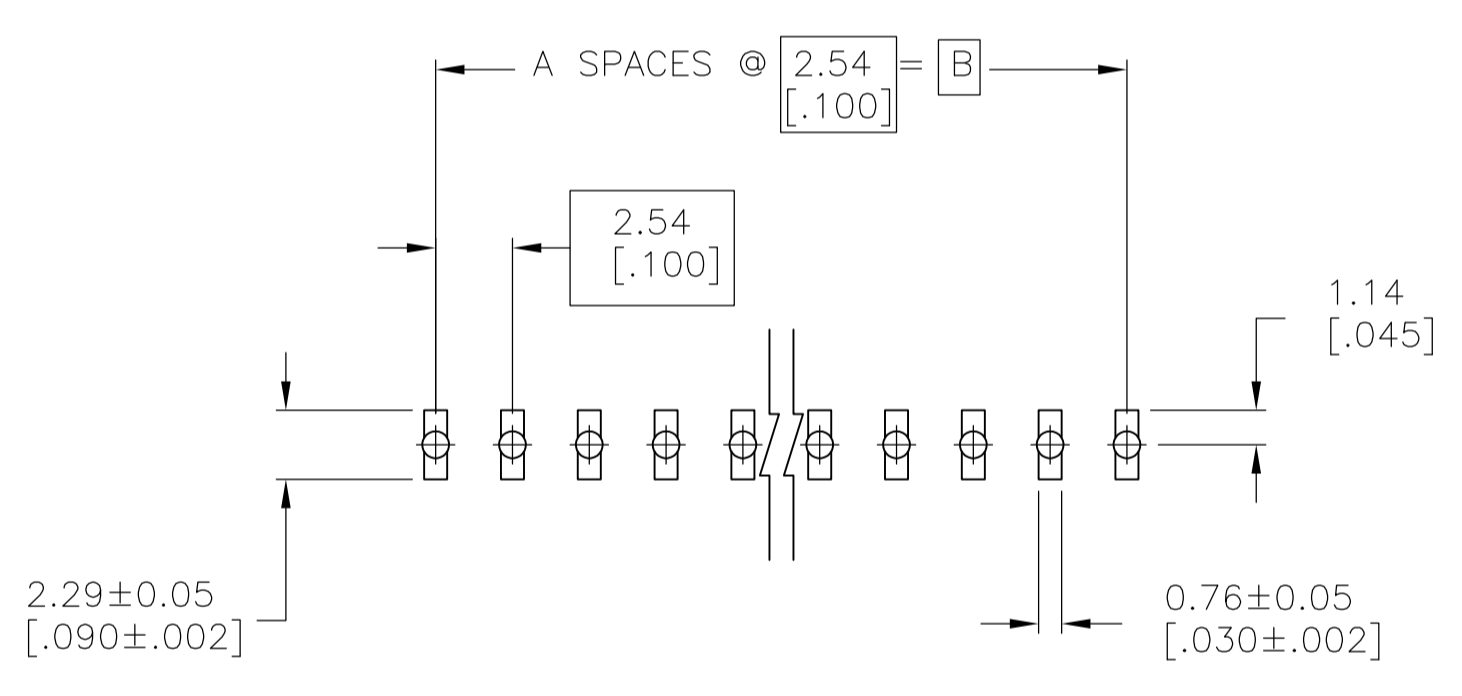
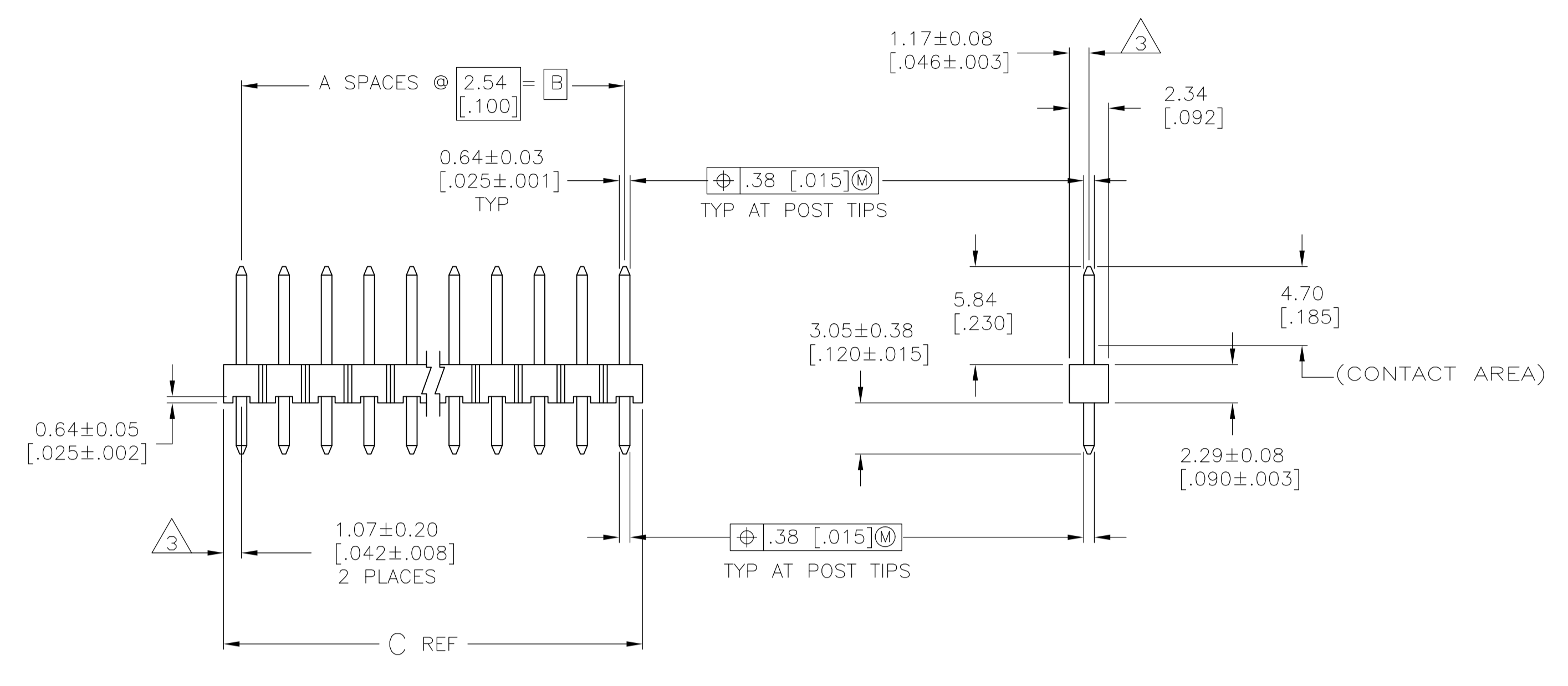
#### Operation/Application:

- High Speed Serial Data Connector = No

#### Other:

- Brand = AMP

- ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
- TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADER IS HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD
- THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING
- PLATING: 0.00254-0.00508 [.000100-.000200] MATTE TIN LEAD, OVER 0.00127 [.000050] NICKEL.
- HOUSING: LCP, COLOR-BLACK. POSTS: PHOSPHOR BRONZE
- PLATING: 0.00254-0.00508 [.000100-.000200] MATTE TIN OVER 0.00127 [.000050] NICKEL.
- OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



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

PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER
6	101.19	99.06	39	40	9-146278-0
6	98.65	96.52	38	39	8-146278-9
6	96.11	93.98	37	38	8-146278-8
6	93.57	91.44	36	37	8-146278-7
6	91.03	88.90	35	36	8-146278-6
6	88.49	86.36	34	35	8-146278-5
6	85.95	83.82	33	34	8-146278-4
6	83.41	81.28	32	33	8-146278-3
6	80.87	78.74	31	32	8-146278-2
6	78.33	76.20	30	31	8-146278-1
6	75.79	73.66	29	30	8-146278-0
6	73.25	71.12	28	29	7-146278-9
6	70.71	68.58	27	28	7-146278-8
6	68.17	66.04	26	27	7-146278-7
6	65.63	63.50	25	26	7-146278-6
6	63.09	60.96	24	25	7-146278-5
6	60.55	58.42	23	24	7-146278-4
6	58.01	55.88	22	23	7-146278-3
6	55.47	53.34	21	22	7-146278-2
6	52.93	50.80	20	21	7-146278-1
6	50.39	48.26	19	20	7-146278-0
6	47.85	45.72	18	19	6-146278-9
6	45.31	43.18	17	18	6-146278-8
6	42.77	40.64	16	17	6-146278-7
6	40.23	38.10	15	16	6-146278-6
6	37.69	35.56	14	15	6-146278-5
6	35.15	33.02	13	14	6-146278-4
6	32.61	30.48	12	13	6-146278-3
6	30.07	27.94	11	12	6-146278-2
6	27.53	25.40	10	11	6-146278-1
6	24.99	22.86	9	10	6-146278-0
6	22.45	20.32	8	9	5-146278-9
6	19.91	17.78	7	8	5-146278-8
6	17.37	15.24	6	7	5-146278-7
6	14.83	12.70	5	6	5-146278-6
6	12.29	10.16	4	5	5-146278-5
6	9.75	7.62	3	4	5-146278-4
6	7.21	5.08	2	3	5-146278-3
6	4.67	2.54	1	2	5-146278-2
6	2.13	-	0	1	5-146278-1

PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER
4	101.19	99.06	39	40	4-146278-0
4	98.65	96.52	38	39	3-146278-9
4	96.11	93.98	37	38	3-146278-8
4	93.57	91.44	36	37	3-146278-7
4	91.03	88.90	35	36	3-146278-6
4	88.49	86.36	34	35	3-146278-5
4	85.95	83.82	33	34	3-146278-4
4	83.41	81.28	32	33	3-146278-3
4	80.87	78.74	31	32	3-146278-2
4	78.33	76.20	30	31	3-146278-1
4	75.79	73.66	29	30	3-146278-0
4	73.25	71.12	28	29	2-146278-9
4	70.71	68.58	27	28	2-146278-8
4	68.17	66.04	26	27	2-146278-7
4	65.63	63.50	25	26	2-146278-6
4	63.09	60.96	24	25	2-146278-5
4	60.55	58.42	23	24	2-146278-4
4	58.01	55.88	22	23	2-146278-3
4	55.47	53.34	21	22	2-146278-2
4	52.93	50.80	20	21	2-146278-1
4	50.39	48.26	19	20	2-146278-0
4	47.85	45.72	18	19	1-146278-9
4	45.31	43.18	17	18	1-146278-8
4	42.77	40.64	16	17	1-146278-7
4	40.23	38.10	15	16	1-146278-6
4	37.69	35.56	14	15	1-146278-5
4	35.15	33.02	13	14	1-146278-4
4	32.61	30.48	12	13	1-146278-3
4	30.07	27.94	11	12	1-146278-2
4	27.53	25.40	10	11	1-146278-1
4	24.99	22.86	9	10	1-146278-0
4	22.45	20.32	8	9	146278-9
4	19.91	17.78	7	8	146278-8
4	17.37	15.24	6	7	146278-7
4	14.83	12.70	5	6	146278-6
4	12.29	10.16	4	5	146278-5
4	9.75	7.62	3	4	146278-4
4	7.21	5.08	2	3	146278-3
4	4.67	2.54	1	2	146278-2
4	2.13	-	0	1	146278-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± 0.51[.02]	3 PLC ± 0.12[.005]	4 PLC ± 0.012[.0005]	ANGLES ±	
MATERIAL	FINISH	SEE TABLE	WEIGHT	—	SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO
5					A1	00779	146278	—

APPROVED: G. DUBNICZKI 07 JUN 95

TE Connectivity

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

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 1 REV G2