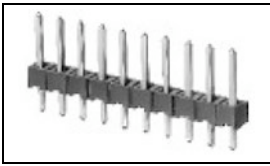


5-146274-2 Product Details

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5-146274-2

TE Internal Number: 5-146274-2
✔ 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](#)
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Documentation & Additional Information

Product Drawings:

- [HEADER ASSEMBLY, MOD II, BREAKAWAY, SINGLE ROW, HI...](#) (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 = 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 = Tin
- Solder Tail Contact Plating = 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

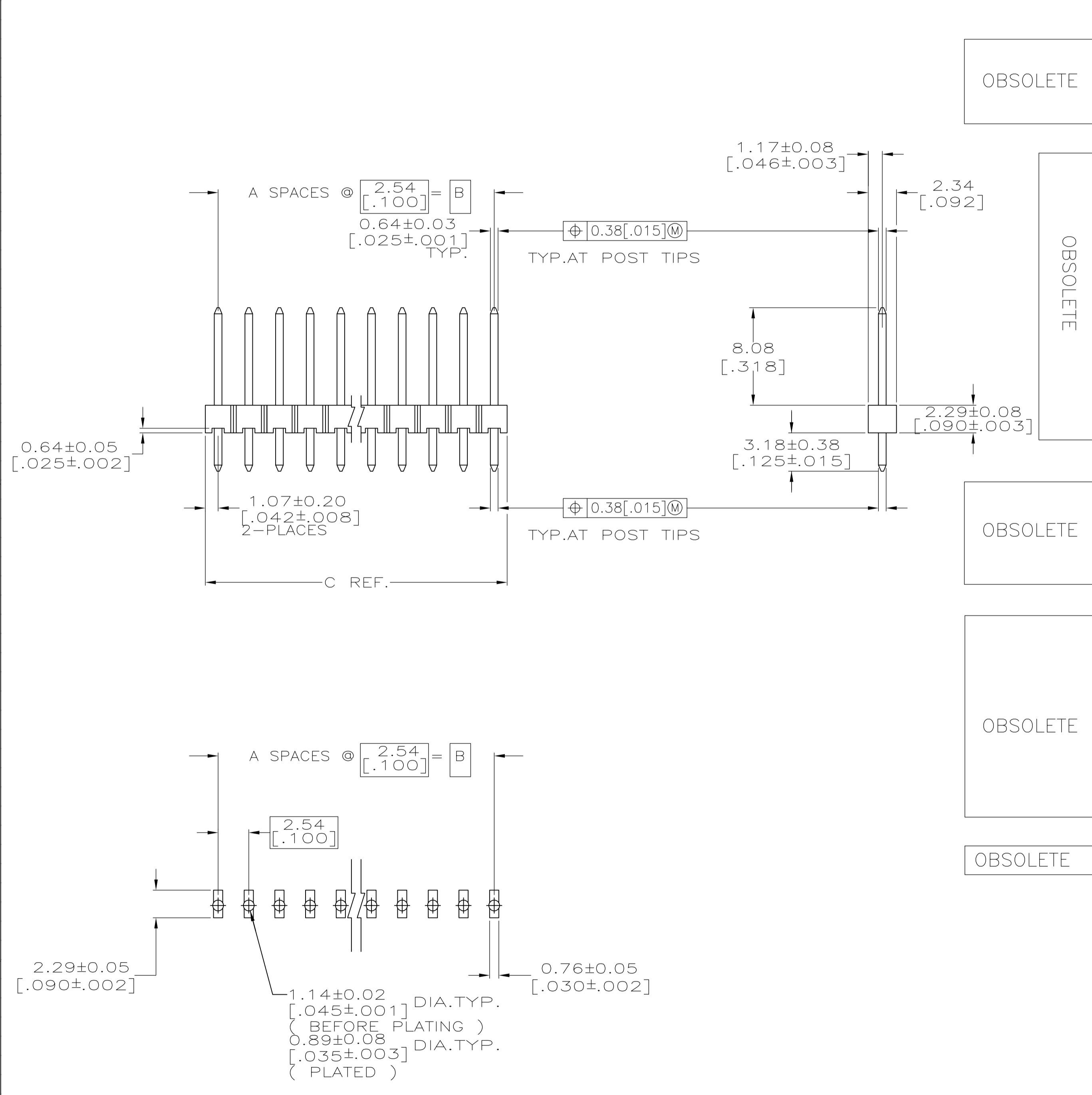
Operation/Application:

- High Speed Serial Data Connector = No

Other:

- Brand = AMP

- 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.
- ③ 0.00254-0.00504 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
 - ④ HOUSING: LCP, COLOR-BLACK. POSTS: PHOSPHOR BRONZE.
 - ⑤ 0.00254-0.00504 [.000100-.000200] MATTE TIN ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
 - ⑥ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER
	101.19	99.06	39	40	9-146274-0
	3.984	3.900			
	98.65	96.52			
	3.884	3.800	38	39	-8-146274-9
	96.11	93.98			
	3.784	3.700	37	38	-8-146274-8
	93.57	91.44			
	3.684	3.600	36	37	-8-146274-7
	91.03	88.90			
	3.584	3.500	35	36	8-146274-6
	88.49	86.36			
	3.484	3.400	34	35	-8-146274-5
	85.95	83.82			
	3.384	3.300	33	34	-8-146274-4
	83.41	81.28			
	3.284	3.200	32	33	-8-146274-3
	80.87	78.74			
	3.184	3.100	31	32	-8-146274-2
	78.33	76.20			
	3.084	3.000	30	31	-8-146274-1
	75.79	73.66			
	2.984	2.900	29	30	-8-146274-0
	73.25	71.12			
	2.884	2.800	28	29	-7-146274-9
	70.71	68.58			
	2.784	2.700	27	28	-7-146274-8
	68.17	66.04			
	2.684	2.600	26	27	-7-146274-7
	65.63	63.5			
	2.584	2.500	25	26	-7-146274-6
	63.09	60.96			
	2.484	2.400	24	25	7-146274-5
	60.55	58.42			
	2.384	2.300	23	24	-7-146274-4
	58.01	55.88			
	2.284	2.200	22	23	-7-146274-3
	55.47	53.34			
	2.184	2.100	21	22	-7-146274-2
	52.93	50.80			
	2.084	2.000	20	21	-7-146274-1
	50.39	48.26			
	1.984	1.900	19	20	7-146274-0
	47.85	45.72			
	1.884	1.800	18	19	-6-146274-9
	45.31	43.18			
	1.784	1.700	17	18	-6-146274-8
	42.77	40.64			
	1.684	1.600	16	17	-6-146274-7
	40.23	38.10			
	1.584	1.500	15	16	-6-146274-6
	37.69	35.56			
	1.484	1.400	14	15	-6-146274-5
	35.15	33.02			
	1.384	1.300	13	14	-6-146274-4
	32.61	30.48			
	1.284	1.200	12	13	-6-146274-3
	30.07	27.94			
	1.184	1.100	11	12	6-146274-2
	27.53	25.40			
	1.084	1.000	10	11	-6-146274-1
	24.99	22.86			
	0.984	0.900	9	10	6-146274-0
	22.45	20.32			
	0.884	0.800	8	9	5-146274-9
	19.91	17.78			
	0.784	0.700	7	8	5-146274-8
	17.37	15.24			
	0.684	0.600	6	7	5-146274-7
	14.83	12.70			
	0.584	0.500	5	6	5-146274-6
	12.29	10.16			
	0.484	0.400	4	5	5-146274-5
	9.75	7.62			
	0.384	0.300	3	4	5-146274-4
	7.21	5.08			
	0.284	0.200	2	3	5-146274-3
	4.67	2.54			
	0.184	0.100	1	2	5-146274-2
	2.13	-	0	1	5-146274-1

PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER
	101.19	99.06	39	40	4-146274-0
	3.984	3.900			
	98.65	96.52			
	3.884	3.800	38	39	-3-146274-9
	96.11	93.98			
	3.784	3.700	37	38	-3-146274-8
	93.57	91.44			
	3.684	3.600	36	37	-3-146274-7
	91.03	88.90			
	3.584	3.500	35	36	-3-146274-6
	88.49	86.36			
	3.484	3.400	34	35	-3-146274-5
	85.95	83.82			
	3.384	3.300	33	34	-3-146274-4
	83.41	81.28			
	3.284	3.200	32	33	-3-146274-3
	80.87	78.74			
	3.184	3.100	31	32	-3-146274-2
	78.33	76.20			
	3.084	3.000	30	31	-3-146274-1
	75.79	73.66			
	2.984	2.900	29	30	-3-146274-0
	73.25	71.12			
	2.884	2.800	28	29	-2-146274-9
	70.71	68.58			
	2.784	2.700	27	28	-2-146274-8
	68.17	66.04			
	2.684	2.600	26	27	-2-146274-7
	65.63	63.5			
	2.584	2.500	25	26	-2-146274-6
	63.09	60.96			
	2.484	2.400	24	25	-2-146274-5
	60.55	58.42			
	2.384	2.300	23	24	-2-146274-4
	58.01	55.88			
	2.284	2.200	22	23	-2-146274-3
	55.47	53.34			
	2.184	2.100	21	22	-2-146274-2
	52.93	50.80			
	2.084	2.000	20	21	-2-146274-1
	50.39	48.26			
	1.984	1.900	19	20	-2-146274-0
	47.85	45.72			
	1.884	1.800	18	19	-1-146274-9
	45.31	43.18			
	1.784	1.700	17	18	-1-146274-8
	42.77	40.64			
	1.684	1.600	16	17	-1-146274-7
	40.23	38.10			
	1.584	1.500	15	16	-1-146274-6
	37.69	35.56			
	1.484	1.400	14	15	-1-146274-5
	35.15	33.02			
	1.384	1.300	13	14	-1-146274-4
	32.61	30.48			
	1.284	1.200	12	13	-1-146274-3
	30.07	27.94			
	1.184	1.100	11	12	-1-146274-2
	27.53	25.40			
	1.084	1.000	10	11	-1-146274-1
	24.99	22.86			
	0.984	0.900	9	10	-1-146274-0
	22.45	20.32			
	0.884	0.800	8	9	146274-9
	19.91	17.78			
	0.784	0.700	7	8	146274-8
	17.37	15.24			
	0.684	0.600	6	7	146274-7
	14.83	12.70			
	0.584	0.500	5	6	146274-6
	12.29	10.16			
	0.484	0.400	4	5	146274-5
	9.75	7.62			
	0.384	0.300	3	4	146274-4
	7.21	5.08			
	0.284	0.200	2	3	146274-3
	4.67	2.54			
	0.184	0.100	1	2	146274-2
	2.13	-	0	1	146274-1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN I. HOFFMAN 6/12/95	APPROVED: G. DUBNICZKI 6/29/95	NAME: G. DUBNICZKI	PRODUCT SPEC:
0 PLC ± -	1 PLC ± 0.127[.005]	2 PLC ± 0.254[.010]	3 PLC ± 0.51[.020]	4 PLC ± 0.127[.005]	APPLICATION SPEC
ANGLES ± -	SEE TABLE	WEIGHT: -	SIZE: A1	CAGE CODE: 00779	DRAWING NO: 146274
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	SCALE: 4:1	SHEET: 1 of 1	REV: G2

STE TE Connectivity

HEADER ASSEMBLY, MOD II, BREAKAWAY, SINGLE ROW, HIGH TEMPERATURE, VERTICAL