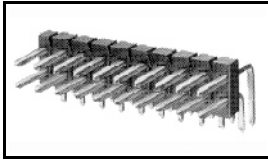


9-146309-0 Product Details

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9-146309-0

TE Internal Number: 9-146309-0

 Active

.100 inch AMPMODU Headers

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

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

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [HEADER ASSEMBLY, MOD II, BREAKAWAY, HIGH TEMPERATURE...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[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](#) = Right Angle
- [PCB Mount Retention](#) = Without
- [Board Standoff](#) = Without
- [Mating Connector Lock](#) = Without
- Post Size (mm [in]) = 0.64 [0.025]

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:

- [Termination Post Length \(mm \[in\]\)](#) = 2.79 [0.110]

Housing Features:

- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0

Configuration Features:

- [Number of Positions](#) = 80
- [Number of Rows](#) = 2
- [Surface Mount Compatible](#) = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL E28476, CSA LR7189

Environmental:

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 (30)
- Solder Tail Contact Plating = Tin over Nickel, Matte Tin over Nickel
- Contact Shape = Square
- Contact Base Material = Phosphor Bronze

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

Conditions for Usage:

- [High Temperature Housing](#) = Yes

Operation/Application:

- [High Speed Serial Data Connector](#) = No

Other:

- Brand = AMP
- Comment = Headers are also available in sizes 4 thru 78 positions. When ordering, add the prefix and/or suffix (dash) numbers to the base part number that corresponds to the number of positions per row.; Headers without retention tails may be broken to the desired number of positions using Hand Tool 91406-1.

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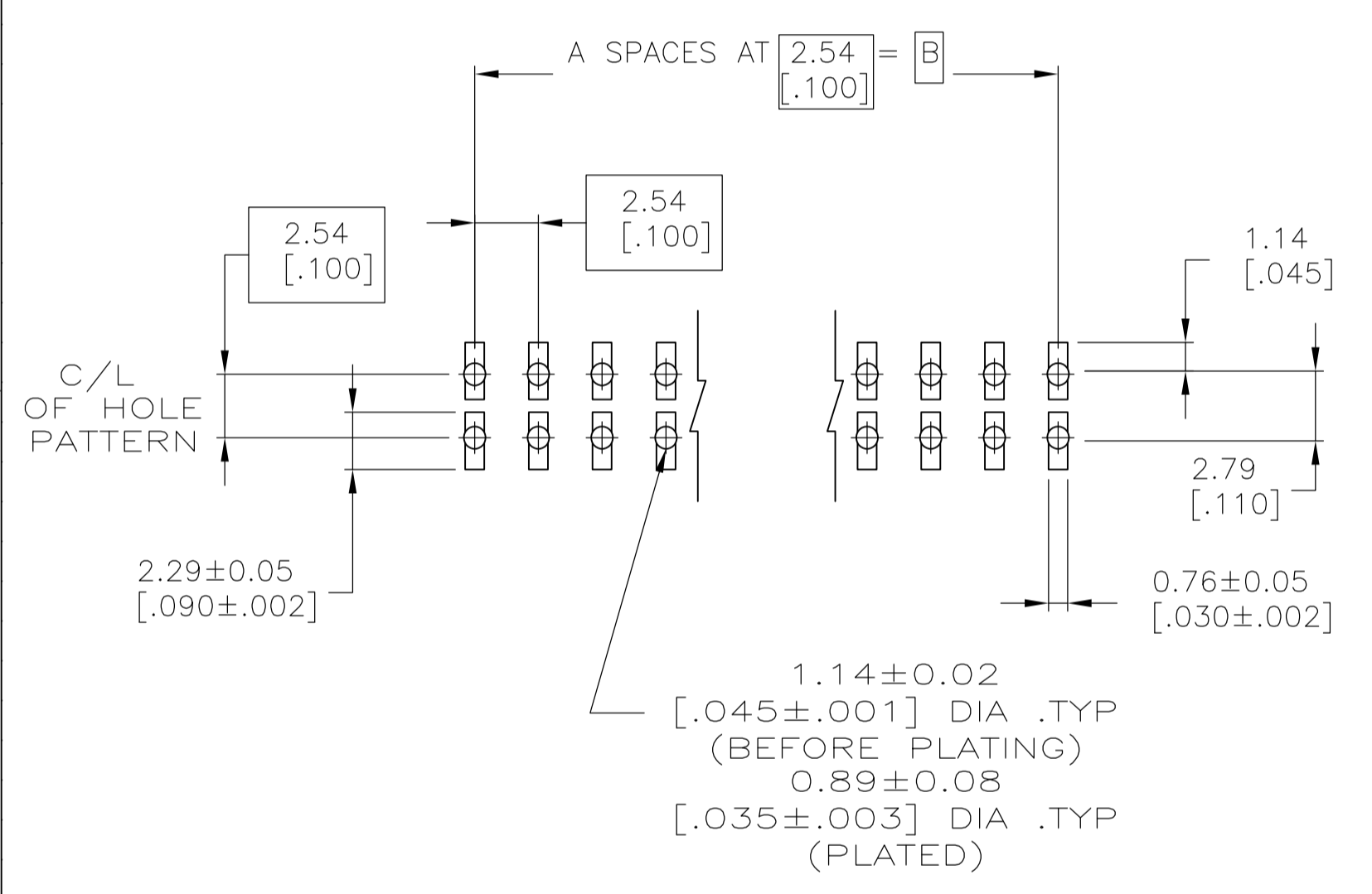
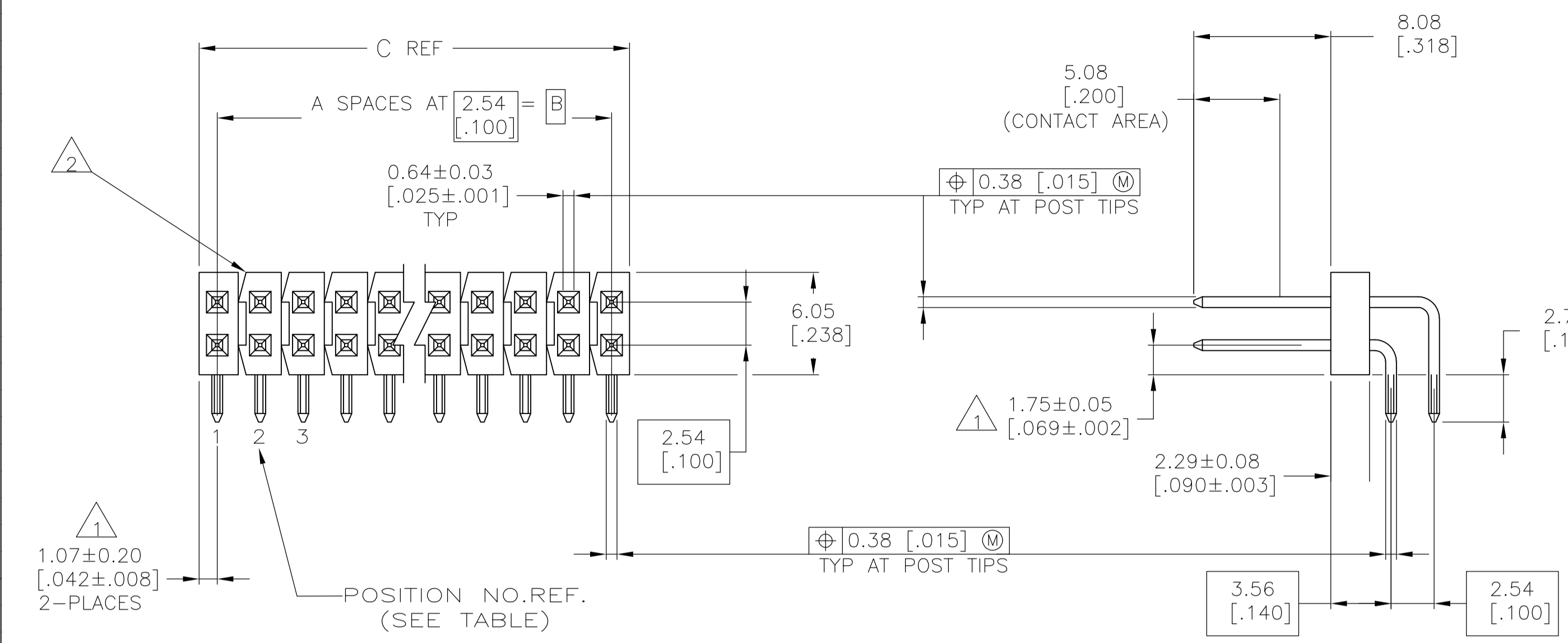
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Keep Me Informed



RECOMMENDED PC BOARD MOUNTING DIMENSIONS FOR .063 [.160] THICK PC BOARD AND .012 [.305] STENCIL THICK.

- 1 THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING.
- 2 BREAKAWAY NOTCH ANGLE CAN BE ORIENTED TO THE RIGHT (AS SHOWN) OR TO THE LEFT
- 3 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- 4 HOUSING: GLASS FILLED THERMOPLASTIC, COLOR - BLACK. (WILL WITHSTAND VAPOR PHASE REFLOW.)
- 5 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.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	PLATING	C	B	A	NO. OF POSITIONS	PART NUMBER
5	101.19	99.06	39	80	9-146309-0	3	101.19	99.06	39	80	4-146309-0
5	98.65	96.52	38	78	8-146309-9	3	98.65	96.52	38	78	3-146309-9
5	96.11	93.98	37	76	8-146309-8	3	96.11	93.98	37	76	3-146309-8
5	93.57	91.44	36	74	8-146309-7	3	93.57	91.44	36	74	3-146309-7
5	91.03	88.90	35	72	8-146309-6	3	91.03	88.90	35	72	3-146309-6
5	88.49	86.36	34	70	8-146309-5	3	88.49	86.36	34	70	3-146309-5
5	85.95	83.82	33	68	8-146309-4	3	85.95	83.82	33	68	3-146309-4
5	83.41	81.28	32	66	8-146309-3	3	83.41	81.28	32	66	3-146309-3
5	80.87	78.74	31	64	8-146309-2	3	80.87	78.74	31	64	3-146309-2
5	78.33	76.20	30	62	8-146309-1	3	78.33	76.20	30	62	3-146309-1
5	75.79	73.66	29	60	8-146309-0	3	75.79	73.66	29	60	3-146309-0
5	73.25	71.12	28	58	7-146309-9	3	73.25	71.12	28	58	2-146309-9
5	70.71	68.58	27	56	7-146309-8	3	70.71	68.58	27	56	2-146309-8
5	68.17	66.04	26	54	7-146309-7	3	68.17	66.04	26	54	2-146309-7
5	65.63	63.5	25	52	7-146309-6	3	65.63	63.5	25	52	2-146309-6
5	63.09	60.96	24	50	7-146309-5	3	63.09	60.96	24	50	2-146309-5
5	60.55	58.42	23	48	7-146309-4	3	60.55	58.42	23	48	2-146309-4
5	58.01	55.88	22	46	7-146309-3	3	58.01	55.88	22	46	2-146309-3
5	55.47	53.34	21	44	7-146309-2	3	55.47	53.34	21	44	2-146309-2
5	52.93	50.80	20	42	7-146309-1	3	52.93	50.80	20	42	2-146309-1
5	50.39	48.26	19	40	7-146309-0	3	50.39	48.26	19	40	2-146309-0
5	47.85	45.72	18	38	6-146309-9	3	47.85	45.72	18	38	1-146309-9
5	45.31	43.18	17	36	6-146309-8	3	45.31	43.18	17	36	1-146309-8
5	42.77	40.64	16	34	6-146309-7	3	42.77	40.64	16	34	1-146309-7
5	40.23	38.10	15	32	6-146309-6	3	40.23	38.10	15	32	1-146309-6
5	37.69	35.56	14	30	6-146309-5	3	37.69	35.56	14	30	1-146309-5
5	35.15	33.02	13	28	6-146309-4	3	35.15	33.02	13	28	1-146309-4
5	32.61	30.48	12	26	6-146309-3	3	32.61	30.48	12	26	1-146309-3
5	30.07	27.94	11	24	6-146309-2	3	30.07	27.94	11	24	1-146309-2
5	27.53	25.40	10	22	6-146309-1	3	27.53	25.40	10	22	1-146309-1
6	24.99	22.86	9	20	6-146309-0	3	24.99	22.86	9	20	1-146309-0
6	22.45	20.32	8	18	5-146309-9	3	22.45	20.32	8	18	1-146309-9
6	19.91	17.78	7	16	5-146309-8	3	19.91	17.78	7	16	1-146309-8
6	17.37	15.24	6	14	5-146309-7	3	17.37	15.24	6	14	1-146309-7
6	14.83	12.70	5	12	5-146309-6	3	14.83	12.70	5	12	1-146309-6
6	12.29	10.16	4	10	5-146309-5	3	12.29	10.16	4	10	1-146309-5
6	9.75	7.62	3	8	5-146309-4	3	9.75	7.62	3	8	1-146309-4
6	7.21	5.08	2	6	5-146309-3	3	7.21	5.08	2	6	1-146309-3
6	4.67	2.54	1	4	5-146309-2	3	4.67	2.54	1	4	1-146309-2
6	2.13	-	0	2	5-146309-1	3	2.13	-	0	2	1-146309-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN T. HOFFMAN 21-6-95	 TE Connectivity
0 PLC ± -	1 PLC ± .05	4-12-95	
2 PLC ± 0.51[.02]	3 PLC ± 0.12[.005]	APVO G. DUBNICZKI 4-12-95	NAME
4 PLC ± 0.012[.0005]	ANGLES ±	PRODUCT SPEC	HEATER ASSEMBLY, MOD II, BREAKAWAY, HIGH TEMPERATURE, RIGHT ANGLE, DOUBLE ROW, .100 X .100 C/L, W/.025 SQUARE POSTS
MATERIAL	FINISH SEE TABLE	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO
		WEIGHT	A1 00779 C=146309
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 1 REV A3