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87220-8 Product Details

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87220-8

TE Internal Number: 87220-8

Active

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.100 inch AMPMODU Headers

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
- Header Type = Standard
- 8 Positions
- Mating Post Length = 8.08 mm
- Row-to-Row Spacing = 2.54 mm

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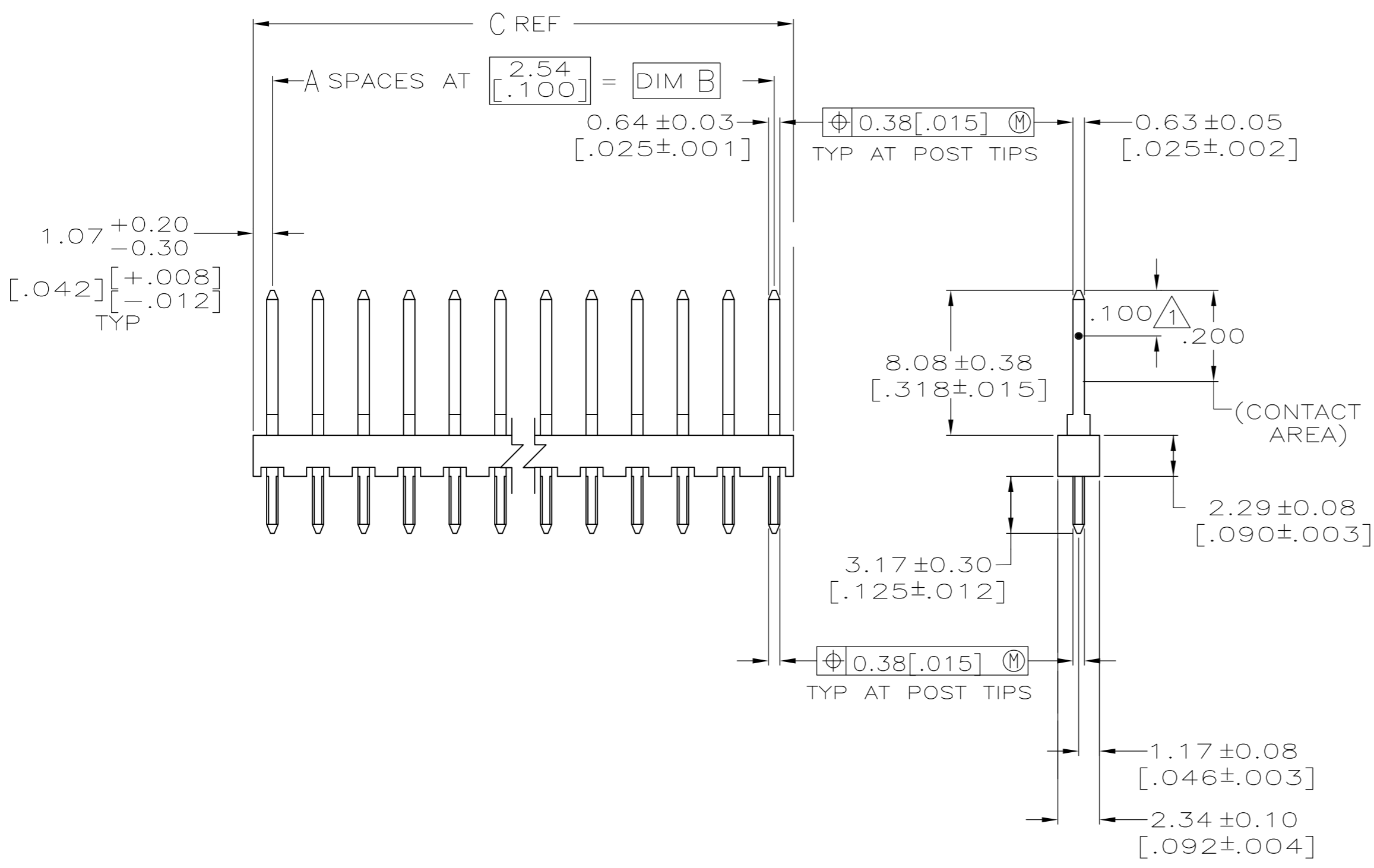
Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • ASSEMBLY, MOD II, HEADER, SINGLE ROW, 2.54[.100]C/L ... (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • AMPMODU_INTERCONNECTION_SYSTEM_SECTION5 (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version K) • 3D Model (IGES, Version K) • 3D Model (STEP, Version K) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Connector • Mount Angle = Vertical • PCB Mount Retention = Without • Surface Mount Compatible = No • Board Standoff = Without • Mating Connector Lock = Without • Post Size (mm [in]) = 0.64 [.025] <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Mounting Ears = Without • Panel Mount Retention = Without <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination Post Length (mm [in]) = 3.18 [0.125] • Solder Tail Contact Plating = Gold Flash over Nickel <p>Dimensions:</p> <ul style="list-style-type: none"> • Mating Post Length (mm [in]) = 8.08 [0.318] <p>Body Features:</p> <ul style="list-style-type: none"> • Header Type = Standard • Row-to-Row Spacing (mm [in]) = 2.54 [0.100] • Selectively Loaded = No • Mount Type = Printed Circuit Board 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Plating, Mating Area, Material = Gold (30) • Contact Shape = Square • Contact Base Material = Phosphor Bronze <p>Housing Features:</p> <ul style="list-style-type: none"> • Housing Material = Thermoplastic - GF • Housing Color = Black • UL Flammability Rating = UL 94V-0 <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 8 • Number of Rows = 1 <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Wave solder capable to 240°C • RoHS/ELV Compliance History = Always was RoHS compliant <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • High Temperature Housing = No <p>Operation/Application:</p> <ul style="list-style-type: none"> • High Speed Serial Data Connector = No <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP

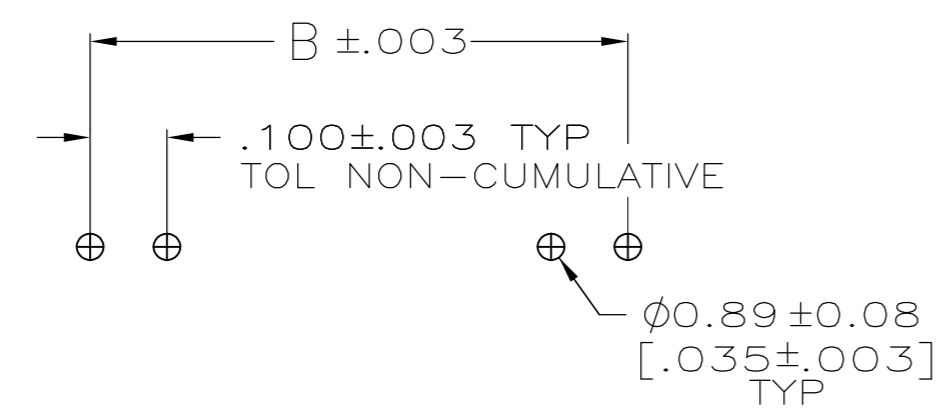
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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD		
		K2	REVISED PER ECO-11-004587	11MAR11	RK	HMR	



101.19 [3.984]	99.06 [3.900]	39	40	4-87220-0
98.65 [3.884]	96.52 [3.800]	38	39	3-87220-9
96.11 [3.784]	93.98 [3.700]	37	38	3-87220-8
93.57 [3.684]	91.44 [3.600]	36	37	3-87220-7
91.03 [3.584]	88.90 [3.500]	35	36	3-87220-6
88.49 [3.484]	86.36 [3.400]	34	35	3-87220-5
85.95 [3.384]	83.82 [3.300]	33	34	3-87220-4
83.41 [3.284]	81.28 [3.200]	32	33	3-87220-3
80.87 [3.184]	78.74 [3.100]	31	32	3-87220-2
78.33 [3.084]	76.20 [3.000]	30	31	3-87220-1
75.79 [2.984]	73.66 [2.900]	29	30	3-87220-0
73.25 [2.884]	71.12 [2.800]	28	29	2-87220-9
70.71 [2.784]	68.58 [2.700]	27	28	2-87220-8
68.17 [2.684]	66.04 [2.600]	26	27	2-87220-7
65.63 [2.584]	63.50 [2.500]	25	26	2-87220-6
63.09 [2.484]	58.42 [2.300]	24	25	2-87220-5
60.55 [2.384]	60.96 [2.400]	23	24	2-87220-4
58.01 [2.284]	55.88 [2.200]	22	23	2-87220-3
55.47 [2.184]	53.34 [2.100]	21	22	2-87220-2
52.93 [2.084]	50.80 [2.000]	20	21	2-87220-1
50.39 [1.984]	48.26 [1.900]	19	20	2-87220-0
47.85 [1.884]	45.72 [1.800]	18	19	1-87220-9
45.31 [1.784]	43.18 [1.700]	17	18	1-87220-8
42.77 [1.684]	40.64 [1.600]	16	17	1-87220-7
40.23 [1.584]	38.10 [1.500]	15	16	1-87220-6
37.69 [1.484]	35.56 [1.400]	14	15	1-87220-5
35.15 [1.384]	33.02 [1.300]	13	14	1-87220-4
32.61 [1.284]	30.48 [1.200]	12	13	1-87220-3
30.07 [1.184]	27.94 [1.100]	11	12	1-87220-2
27.53 [1.084]	25.40 [1.000]	10	11	1-87220-1
24.99 [.984]	22.86 [.900]	9	10	1-87220-0
22.45 [.884]	20.32 [.800]	8	9	87220-9
19.91 [.784]	17.78 [.700]	7	8	87220-8
17.37 [.684]	15.24 [.600]	6	7	87220-7
14.83 [.584]	12.70 [.500]	5	6	87220-6
12.29 [.484]	10.16 [.400]	4	5	87220-5
9.75 [.384]	7.62 [.300]	3	4	87220-4
7.21 [.284]	5.08 [.200]	2	3	87220-3
4.67 [.184]	2.54 [.100]	1	2	87220-2
2.13 [.084]	-	-	1	87220-1
C	B	A	NO OF POSN	PART NUMBER

- ① POINT OF MEASUREMENT FOR PLATING THICKNESS
- 2. TRUE POSITION TOLERANCE OF POST TIPS APPLIES WHEN THE HEADERS ARE HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD
- ③ 0.00076[.000030] GOLD ON CONTACT AREA, GOLD FLASH ON SOLDER AREA, ALL OVER 0.00127[.000050] NICKEL
- ④ MATERIAL:
HOUSING: FLAME RETARDANT THERMOPLASTIC, COLOR-BLACK.
POSTS: PHOS BRONZE.
- ⑤ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



RECOMMENDED HOLE LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± - FINISH	DWN E. BRANDBERG 26-AUG-97	CHK S. SHUEY 26-AUG-97	APVD S. SHUEY 26-AUG-97	NAME E. BRANDBERG	TE Connectivity
MATERIAL ④	POSTS: ③	APPLICATION SPEC			SIZE A2	CAGE CODE 00779
CUSTOMER DRAWING				WEIGHT -	DRAWING NO C=87220	RESTRICTED TO -
				SCALE 4:1	SHEET 1 OF 1	REV K2