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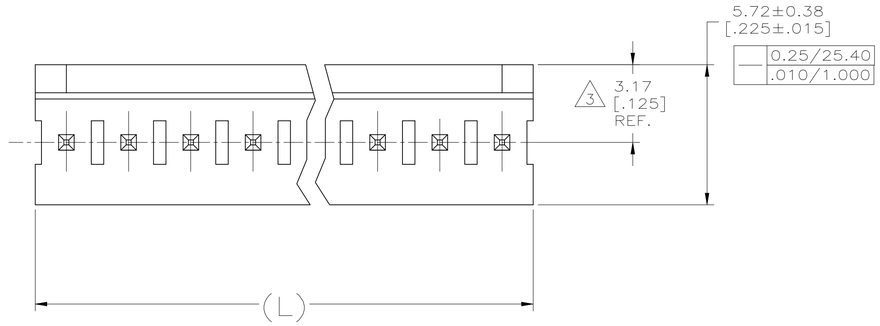
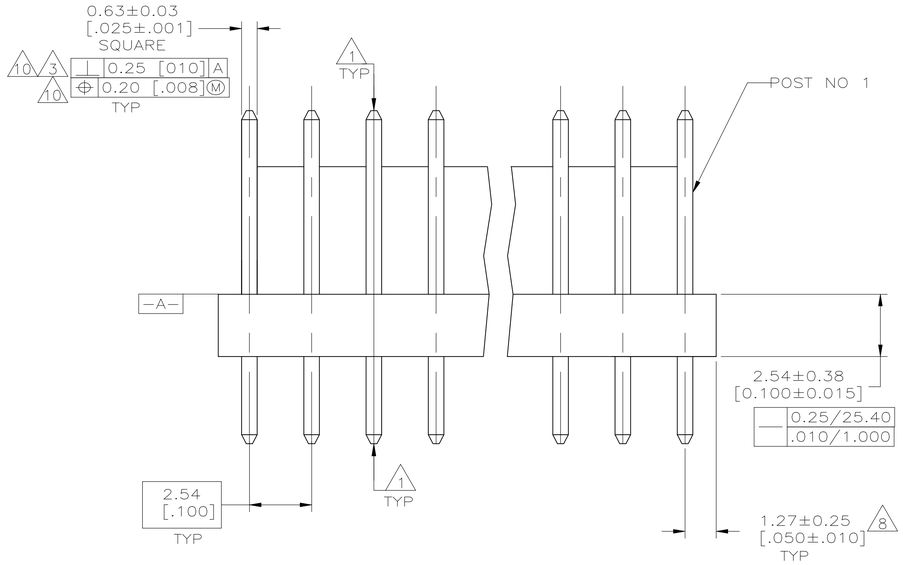
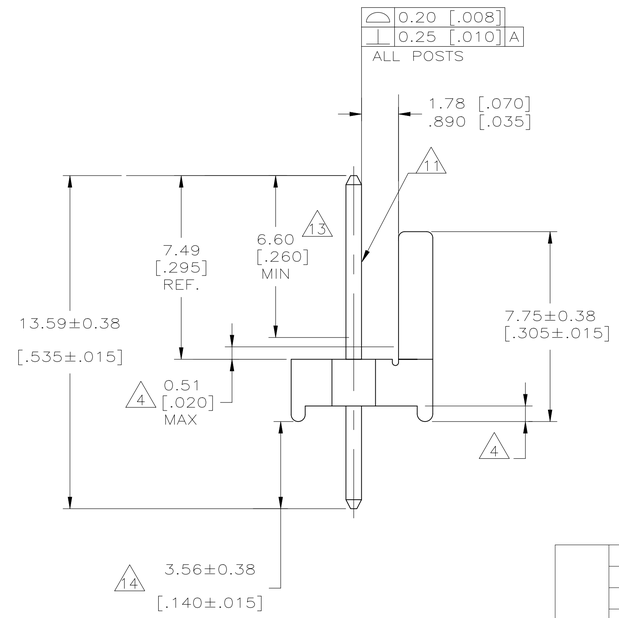
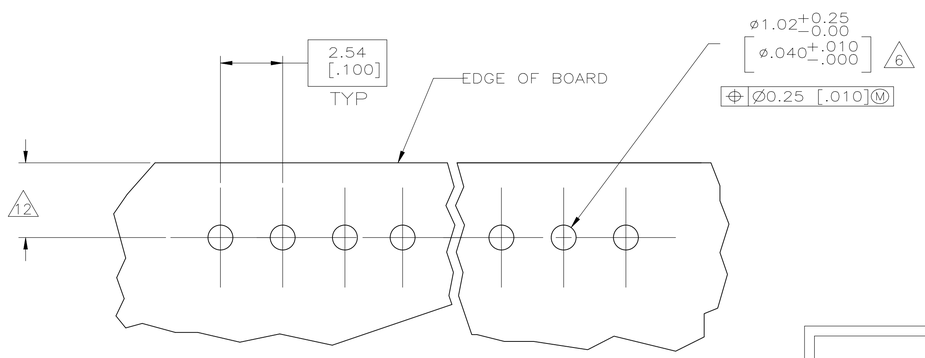
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	AE	REVISED PER ECR-25-253035	23OCT2025	CKN	JP









RECOMMENDED MOUNTING HOLE PATTERN
FOR 1.60 [.063] THICK P.C. BOARD 2

1. POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
2. TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
3. MEASURED AT -A-
4. PLASTIC FLASH PERMITTED IN THIS AREA.
5. PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
6. ONE HOLE MAY BE UNDERSIZED 0.81-0.89 [.032-.035] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER 94V-0 (NATURAL)
   POST-COPPER ALLOY
   FINISH-USE PLATING NOTES 13 & 14 FOR -2 THRU -28 AND NOTES 13 & 15 FOR -32 THRU -58
8. COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.
9. PLASTIC BURRS CAUSED BY CUT-OFF TOOLING ARE PERMITTED WITHIN THE MAXIMUM TOLERANCE ENVELOPE.
10. POSTS TO BE MEASURED WHEN STRIP IS HELD FLAT.
11. POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
12. DIMENSION SHOULD BE 3.30 [.130] WHEN MATING WITH A MTA-100 CONNECTOR ASSEMBLY OR A CST-100 CONNECTOR ASSEMBLY.
13. PLATING: GOLD PLATE AREA, 0.00038 [.000015] GOLD OR 0.00008[.000003] MIN GOLD FLASH OVER 0.00030 [.000012] PALLADIUM NICKEL, ONLY IN FUNCTIONAL CONTACT AREA AND OTHER AREAS WITH OPTIMIZED THICKNESS PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
14. PLATING: MATTE TIN PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 3.56 [.140] MINIMUM.
15. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

LEAD FREE				CONTAINS LEAD			
DIM (L)	NO.OF POSN	ASSEMBLY		DIM (L)	NO.OF POSN	ASSEMBLY	
71.12 [2.800]	28	5-641124-8		71.12 [2.800]	28	~~2-641124-8~~	15
68.58 [2.700]	27	5-641124-7		68.58 [2.700]	27	~~2-641124-7~~	15
66.04 [2.600]	26	5-641124-6		66.04 [2.600]	26	~~2-641124-6~~	15
63.50 [2.500]	25	5-641124-5		63.50 [2.500]	25	~~2-641124-5~~	15
60.96 [2.400]	24	5-641124-4		60.96 [2.400]	24	2-641124-4	
58.42 [2.300]	23	5-641124-3		58.42 [2.300]	23	~~2-641124-3~~	15
55.88 [2.200]	22	5-641124-2		55.88 [2.200]	22	~~2-641124-2~~	15
53.34 [2.100]	21	5-641124-1		53.34 [2.100]	21	~~2-641124-1~~	15
50.80 [2.000]	20	5-641124-0		50.80 [2.000]	20	2-641124-0	
48.26 [1.900]	19	4-641124-9		48.26 [1.900]	19	~~1-641124-9~~	15
45.72 [1.800]	18	4-641124-8		45.72 [1.800]	18	~~1-641124-8~~	15
43.18 [1.700]	17	4-641124-7		43.18 [1.700]	17	~~1-641124-7~~	15
40.64 [1.600]	16	4-641124-6		40.64 [1.600]	16	~~1-641124-6~~	15
38.10 [1.500]	15	4-641124-5		38.10 [1.500]	15	~~1-641124-5~~	15
35.56 [1.400]	14	4-641124-4		35.56 [1.400]	14	~~1-641124-4~~	15
33.02 [1.300]	13	4-641124-3		33.02 [1.300]	13	~~1-641124-3~~	15
30.48 [1.200]	12	4-641124-2		30.48 [1.200]	12	~~1-641124-2~~	15
27.94 [1.100]	11	4-641124-1		27.94 [1.100]	11	~~1-641124-1~~	15
25.40 [1.000]	10	4-641124-0		25.40 [1.000]	10	~~1-641124-0~~	15
22.86 [.900]	9	3-641124-9		22.86 [.900]	9	~~641124-9~~	15
20.32 [.800]	8	3-641124-8		20.32 [.800]	8	~~641124-8~~	15
17.78 [.700]	7	3-641124-7		17.78 [.700]	7	~~641124-7~~	15
15.24 [.600]	6	3-641124-6		15.24 [.600]	6	641124-6	
12.70 [.500]	5	3-641124-5		12.70 [.500]	5	641124-5	
10.16 [.400]	4	3-641124-4		10.16 [.400]	4	641124-4	
7.62 [.300]	3	3-641124-3		7.62 [.300]	3	~~641124-3~~	15
5.08 [.200]	2	3-641124-2		5.08 [.200]	2	~~641124-2~~	15

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ± 0.13 [.005]
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL 7 FINISH 7

METRIC

DWN	S. HOOVER	26-JAN-2005
CHK	D. BOSSI	26-JAN-2005
APVD	D. BOSSI	26-JAN-2005
PRODUCT SPEC	108-1050	
APPLICATION SPEC	114-1019	
WEIGHT		

TE Connectivity

NAME: MTA-100 HEADER ASSEMBLY, POLARIZED, NOTCHED, .025 SQ ST POST, .000015 AU PLATED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-641124	

CUSTOMER DRAWING | SCALE N/A | SHEET 1 OF 1 | REV AE

4805 (1/15)