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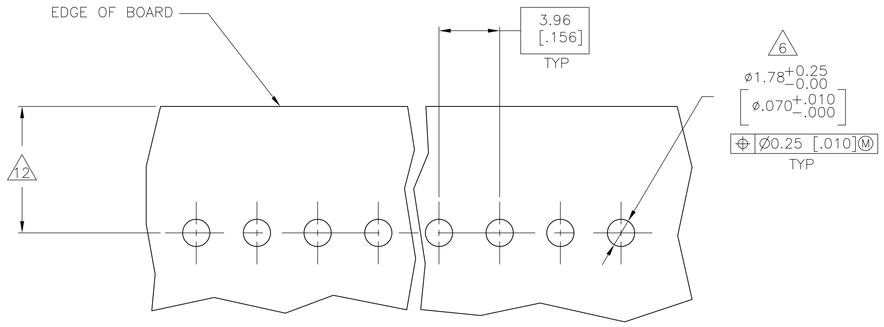
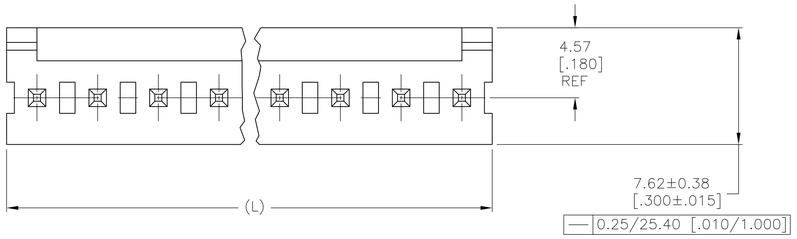
LOC	DIST
CM	00

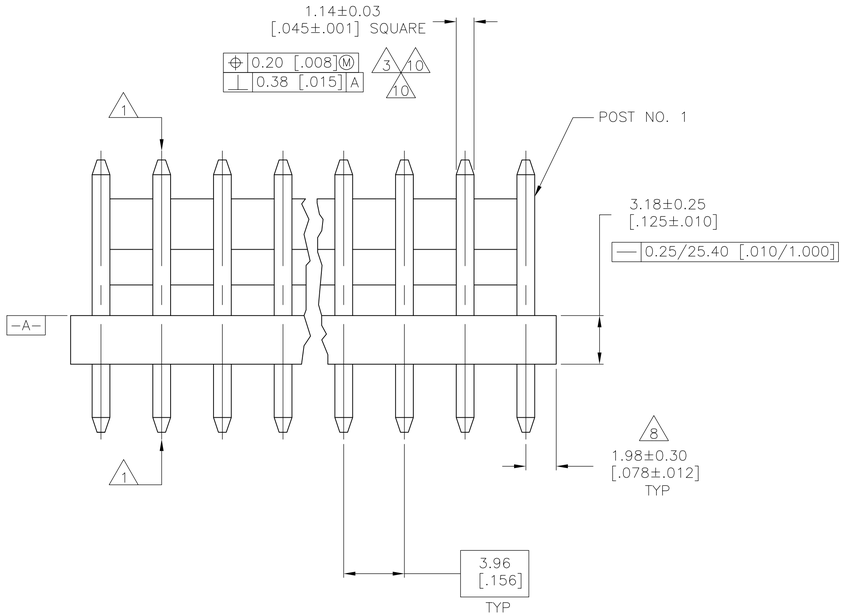
REVISIONS

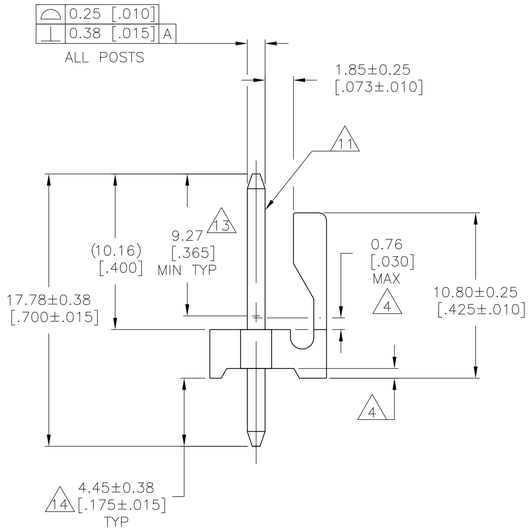
P	LTR	DESCRIPTION	DATE	DWN	APVD
	H2	REVISED PER ECR-15-006687	26OCT2015	NK	NL



RECOMMENDED MOUNTING HOLE PATTERN
FOR .109±0.016 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 SURFACE −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 1.65/1.52 [.065/.060] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER GLASS-FILLED 94V-0 (NATURAL)
   POST-COPPER ALLOY (SEE NOTES 13 & 14 FOR PLATING)
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. POST TO BE MEASURED WHEN STRIP IS HELD FLAT.
11. POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
12. DIMENSION SHOULD BE 4.45 [.175] MIN WHEN MATING WITH A MTA .156 CONNECTOR ASSEMBLY OR A SL-.156 CONNECTOR ASSEMBLY.
13. PLATING:GOLD PLATE AREA, 0.00038 [.000015] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00030 [.000012] PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
14. PLATING: BRIGHT TIN/LEAD (93/7) PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 4.45 [.175] MINIMUM FOR -2 THRU -24. MATTE TIN PLATE AREA 0.00381-0.00889 [.000150-.000350] THICK ALL FOUR SIDES, 4.45 [.175] FOR -32 THRU -54.
15. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
16. OBSOLETE PART NUMBER

	DIM (L)	NO.OF POSN	ASSEMBLY
LEAD FREE	95.10 [3.744]	24	5-644766-4
	91.14 [3.588]	23	5-644766-3
	87.17 [3.432]	22	5-644766-2
	83.21 [3.276]	21	5-644766-1
	79.25 [3.120]	20	5-644766-0
	75.29 [2.964]	19	4-644766-9
	71.32 [2.808]	18	4-644766-8
	67.36 [2.652]	17	4-644766-7
	63.40 [2.496]	16	4-644766-6
	59.44 [2.340]	15	4-644766-5
	55.47 [2.184]	14	4-644766-4
	51.51 [2.028]	13	4-644766-3
	47.55 [1.872]	12	4-644766-2
	43.59 [1.716]	11	4-644766-1
	39.62 [1.560]	10	4-644766-0
	35.66 [1.404]	9	3-644766-9
	31.70 [1.248]	8	3-644766-8
	27.74 [1.092]	7	3-644766-7
	23.77 [.936]	6	3-644766-6
	19.81 [.780]	5	3-644766-5
	15.85 [.624]	4	3-644766-4
	11.89 [.468]	3	3-644766-3
	7.92 [.312]	2	3-644766-2

		DIM (L)	NO.OF POSN	ASSEMBLY
CONTAINS LEAD	SUPERSEDED 15	95.10 [3.744]	24	~~2-644766-4~~
		91.14 [3.588]	23	~~2-644766-3~~
		87.17 [3.432]	22	~~2-644766-2~~
		83.21 [3.276]	21	~~2-644766-1~~
		79.25 [3.120]	20	~~2-644766-0~~
		75.29 [2.964]	19	~~1-644766-9~~
		71.32 [2.808]	18	~~1-644766-8~~
		67.36 [2.652]	17	~~1-644766-7~~
		63.40 [2.496]	16	~~1-644766-6~~
		59.44 [2.340]	15	~~1-644766-5~~
		55.47 [2.184]	14	~~1-644766-4~~
	16	51.51 [2.028]	13	~~1-644766-3~~
	SUPERSEDED 15	47.55 [1.872]	12	~~1-644766-2~~
		43.59 [1.716]	11	~~1-644766-1~~
		39.62 [1.560]	10	~~1-644766-0~~
		35.66 [1.404]	9	~~644766-9~~
	16	31.70 [1.248]	8	~~644766-8~~
	SUPERSEDED 15	27.74 [1.092]	7	~~644766-7~~
		23.77 [.936]	6	~~644766-6~~
		19.81 [.780]	5	~~644766-5~~
		15.85 [.624]	4	~~644766-4~~
		11.89 [.468]	3	~~644766-3~~
		7.92 [.312]	2	~~644766-2~~

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

DWN S. HOOVER 07NOV02
CHK D. BOSSI 07NOV02
APVD D. BOSSI 07NOV02

PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME: MTA-.156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT, .045 SQUARE POST, .000015 GOLD, SPECIAL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-644766	—

CUSTOMER DRAWING SCALE 5:1 SHEET 1 OF 1 REV H2