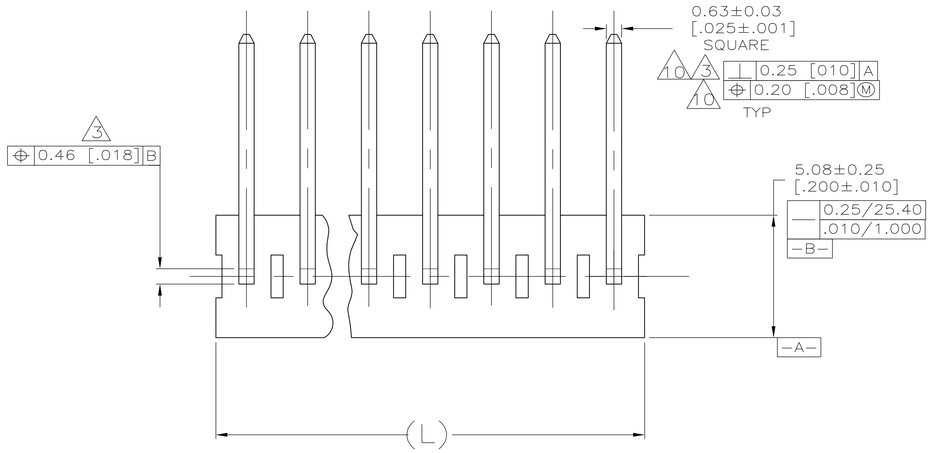
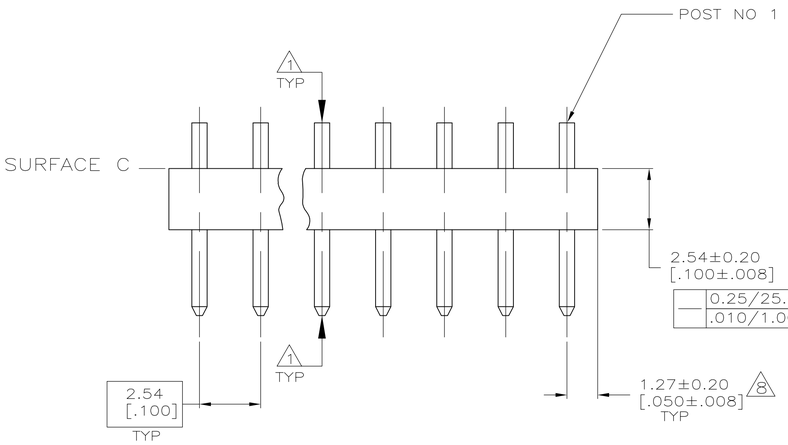
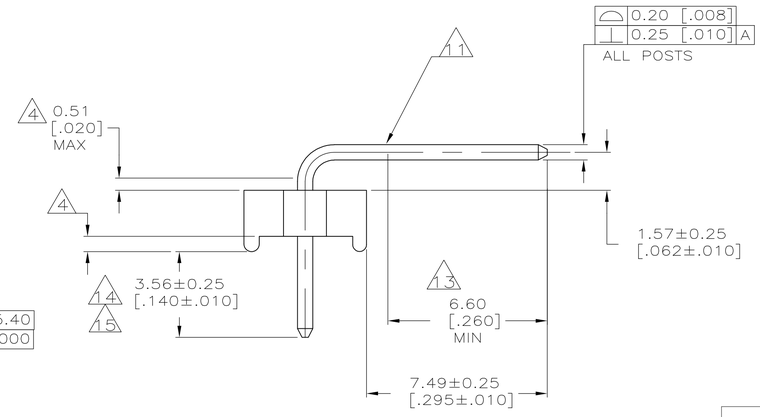
LOC	DIST
CM	00

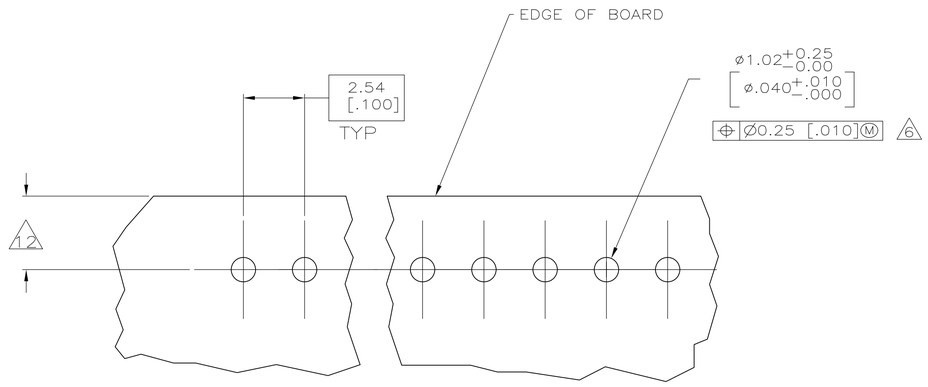
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	Z	REVISED PER ECO-11-014381	110CT11	KH	SM









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

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 C.
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 3.05-6.10 [.120-.240] WHEN MATING WITH A MTA-100 CONNECTOR ASSEMBLY OR 3.05 [.120] MINIMUM WHEN MATING WITH 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, 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 3.56 [.140] MINIMUM.
15. PLATING: MATTE TIN PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 3.56 [.140] MINIMUM.
16. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

LEAD FREE

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	5-641123-8
68.58 [2.700]	27	5-641123-7
66.04 [2.600]	26	5-641123-6
63.50 [2.500]	25	5-641123-5
60.96 [2.400]	24	5-641123-4
58.42 [2.300]	23	5-641123-3
55.88 [2.200]	22	5-641123-2
53.34 [2.100]	21	5-641123-1
50.80 [2.000]	20	5-641123-0
48.26 [1.900]	19	4-641123-9
45.72 [1.800]	18	4-641123-8
43.18 [1.700]	17	4-641123-7
40.64 [1.600]	16	4-641123-6
38.10 [1.500]	15	4-641123-5
35.56 [1.400]	14	4-641123-4
33.02 [1.300]	13	4-641123-3
30.48 [1.200]	12	4-641123-2
27.94 [1.100]	11	4-641123-1
25.40 [1.000]	10	4-641123-0
22.86 [.900]	9	3-641123-9
20.32 [.800]	8	3-641123-8
17.78 [.700]	7	3-641123-7
15.24 [.600]	6	3-641123-6
12.70 [.500]	5	3-641123-5
10.16 [.400]	4	3-641123-4
7.62 [.300]	3	3-641123-3
5.08 [.200]	2	3-641123-2

16 SUPERSEDED

CONTAINS LEAD

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	2-641123-8
68.58 [2.700]	27	2-641123-7
66.04 [2.600]	26	2-641123-6
63.50 [2.500]	25	2-641123-5
60.96 [2.400]	24	2-641123-4
58.42 [2.300]	23	2-641123-3
55.88 [2.200]	22	2-641123-2
53.34 [2.100]	21	2-641123-1
50.80 [2.000]	20	2-641123-0
48.26 [1.900]	19	1-641123-9
45.72 [1.800]	18	1-641123-8
43.18 [1.700]	17	1-641123-7
40.64 [1.600]	16	1-641123-6
38.10 [1.500]	15	1-641123-5
35.56 [1.400]	14	1-641123-4
33.02 [1.300]	13	1-641123-3
30.48 [1.200]	12	1-641123-2
27.94 [1.100]	11	1-641123-1
25.40 [1.000]	10	1-641123-0
22.86 [.900]	9	641123-9
20.32 [.800]	8	641123-8
17.78 [.700]	7	641123-7
15.24 [.600]	6	641123-6
12.70 [.500]	5	641123-5
10.16 [.400]	4	641123-4
7.62 [.300]	3	641123-3
5.08 [.200]	2	641123-2

METRIC

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	26-JAN-2005 S. HOOVER
CHK	26-JAN-2005 D. BOSSI
APVD	26-JAN-2005 D. BOSSI
PRODUCT SPEC	
APPLICATION SPEC	
WEIGHT	

TE Connectivity

NAME: MTA-100 HEADER ASSEMBLY, PLAIN .025, SQUARE RIGHT ANGLE POST .000015 GOLD PLATED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-641123	

CUSTOMER DRAWING | SCALE 8:1 | SHEET 1 OF 1 | REV Z