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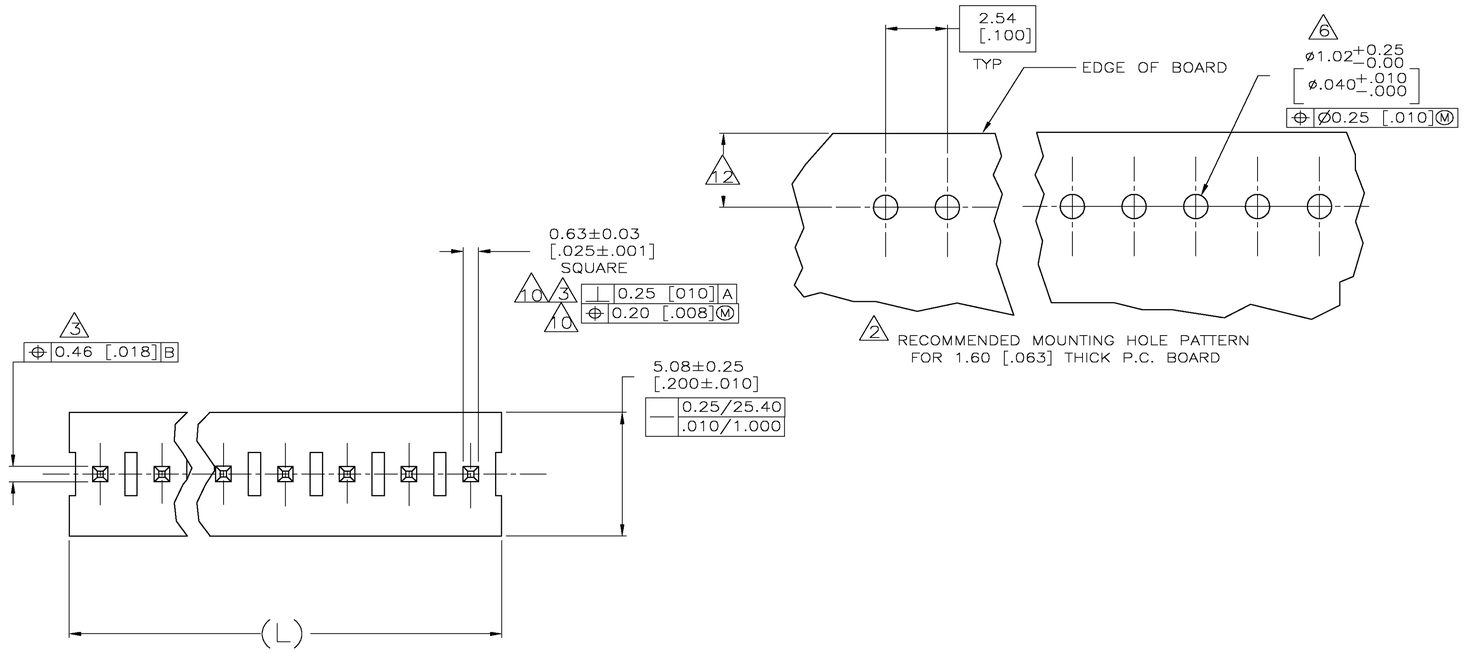
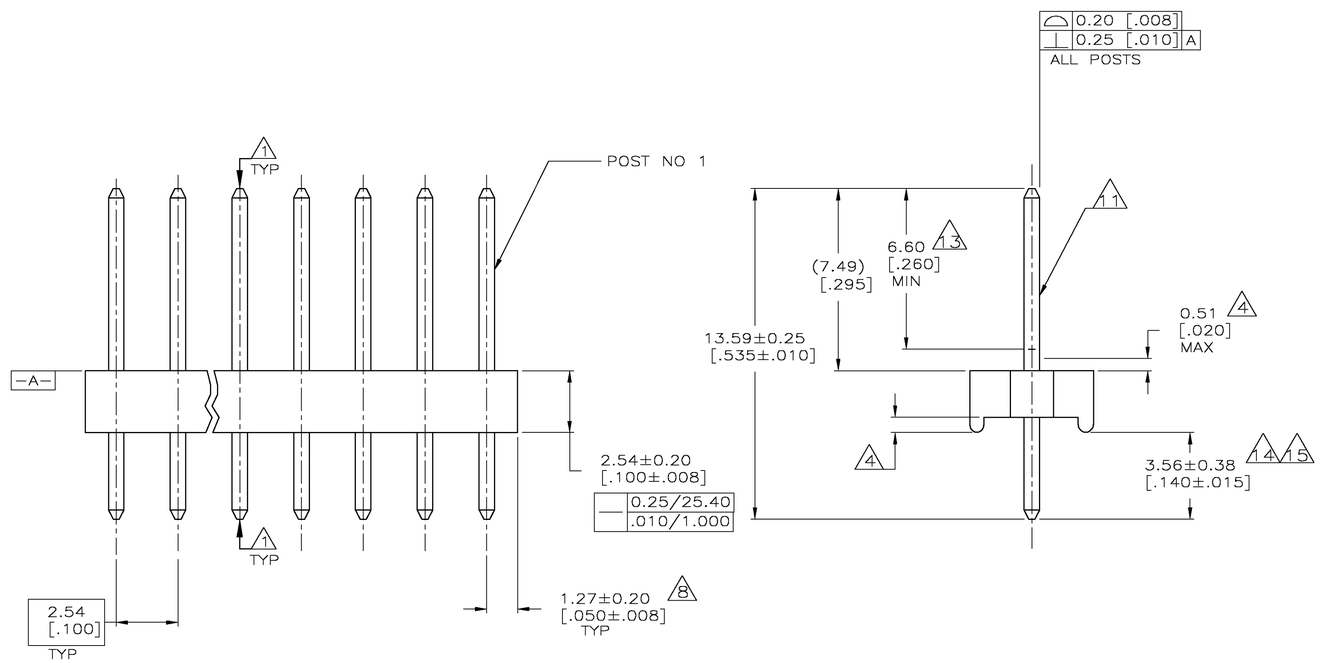
LOC	DIST
CM	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	Y	REVISION PER EC 0G3B-0743-04	26-JAN-05	SH	DB





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 3.05 [.120] MIN WHEN MATING WITH A MTA−100 CONNECTOR ASSEMBLY OR A CST−100 CONNECTOR ASSEMBLY.
13. PLATING: GOLD PLATE AREA, 0.00076 [.000030] MINIMUM, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MINIMUM, 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.

LEAD FREE

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	5−641211−8
68.58 [2.700]	27	5−641211−7
66.04 [2.600]	26	5−641211−6
63.50 [2.500]	25	5−641211−5
60.96 [2.400]	24	5−641211−4
58.42 [2.300]	23	5−641211−3
55.88 [2.200]	22	5−641211−2
53.34 [2.100]	21	5−641211−1
50.80 [2.000]	20	5−641211−0
48.26 [1.900]	19	4−641211−9
45.72 [1.800]	18	4−641211−8
43.18 [1.700]	17	4−641211−7
40.64 [1.600]	16	4−641211−6
38.10 [1.500]	15	4−641211−5
35.56 [1.400]	14	4−641211−4
33.02 [1.300]	13	4−641211−3
30.48 [1.200]	12	4−641211−2
27.94 [1.100]	11	4−641211−1
25.40 [1.000]	10	4−641211−0
22.86 [.900]	9	3−641211−9
20.32 [.800]	8	3−641211−8
17.78 [.700]	7	3−641211−7
15.24 [.600]	6	3−641211−6
12.70 [.500]	5	3−641211−5
10.16 [.400]	4	3−641211−4
7.62 [.300]	3	3−641211−3
5.08 [.200]	2	3−641211−2

CONTAINS LEAD

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	2−641211−8
68.58 [2.700]	27	2−641211−7
66.04 [2.600]	26	2−641211−6
63.50 [2.500]	25	2−641211−5
60.96 [2.400]	24	2−641211−4
58.42 [2.300]	23	2−641211−3
55.88 [2.200]	22	2−641211−2
53.34 [2.100]	21	2−641211−1
50.80 [2.000]	20	2−641211−0
48.26 [1.900]	19	1−641211−9
45.72 [1.800]	18	1−641211−8
43.18 [1.700]	17	1−641211−7
40.64 [1.600]	16	1−641211−6
38.10 [1.500]	15	1−641211−5
35.56 [1.400]	14	1−641211−4
33.02 [1.300]	13	1−641211−3
30.48 [1.200]	12	1−641211−2
27.94 [1.100]	11	1−641211−1
25.40 [1.000]	10	1−641211−0
22.86 [.900]	9	641211−9
20.32 [.800]	8	641211−8
17.78 [.700]	7	641211−7
15.24 [.600]	6	641211−6
12.70 [.500]	5	641211−5
10.16 [.400]	4	641211−4
7.62 [.300]	3	641211−3
5.08 [.200]	2	641211−2

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ± 0.13 [.025]
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL 7 FINISH 7

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

tyco Electronics
Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME MTA-.100 HEADER ASSEMBLY, POLARIZED, .025 SQUARE STRAIGHT POST .000030 GOLD PLATED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-641211	

CUSTOMER DRAWING SCALE 8:1 SHEET 1 OF 1 REV Y