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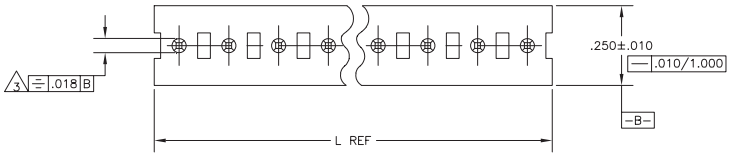
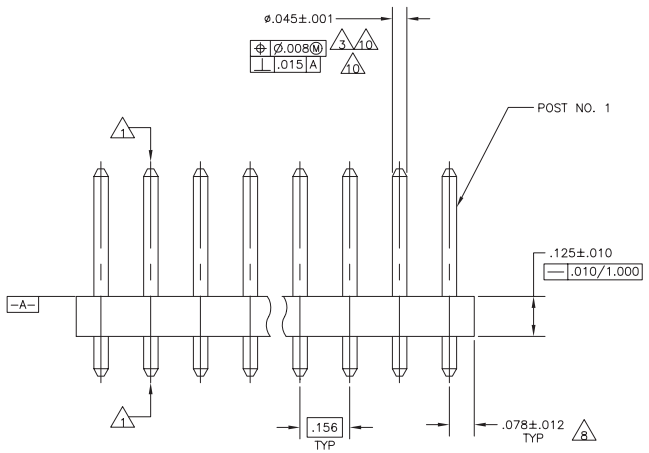
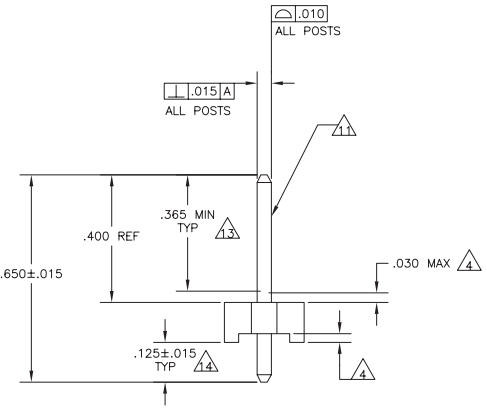
LOC	DIST
CM	00

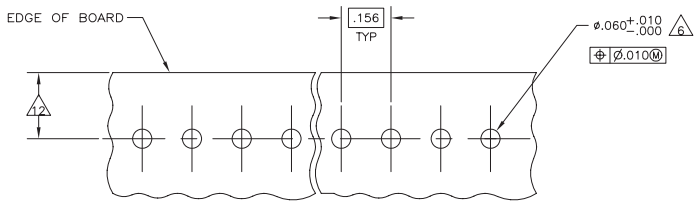
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	S	ECO-05-015650	10MAR06	BSV	DB







1. POST TO WITHSTAND 13 NEWTONS (3LBS.) MIN. 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 (.051/.046 DIA.) FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER NON-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 .140 MIN WHEN MATING WITH A MTA-156 CONNECTOR ASSEMBLY,OR A SL-156 CONNECTOR ASSEMBLY .
13. GOLD PLATE AREA,.000015 MIN.,ALL SIDES,OVER NICKEL UNDERPLATE,.000050 MIN.,ALL SIDES AND ENTIRE LENGTH OF POST.
14. BRIGHT TIN/LEAD (93/7) PLATE AREA,.000150-.000350 THICK,ALL FOUR SIDES,.125 MIN. FOR -2 THRU -24. MATTE TIN PLATE AREA .000150-.000350" THICK ALL FOUR SIDES, .175" MIN FOR -32 THRU -54.



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

.045	1.14		
.030	0.76	1.000	25.40
.018	0.46	.700	17.78
.015	0.38	.450	11.43
.012	0.30	.415	10.54
.010	0.25	.250	6.35
.008	0.20	.156	3.96
.005	0.13	.140	3.56
.001	0.03	.125	3.18
.000350	0.00889	.078	1.98
.000150	0.00381	.063	1.60
.000050	0.00127	.060	1.52
.000015	0.00889	.051	1.30
.000	0.00	.046	1.17
IN	MM	IN	MM

CONVERSION TABLE

FINISH	L IN	L MM	NUMBER OF POSITIONS	PART NUMBER
TIN	3.744	95.10	24	5-641114-4
TIN	3.588	91.14	23	5-641114-3
TIN	3.432	87.17	22	5-641114-2
TIN	3.276	83.21	21	5-641114-1
TIN	3.120	79.25	20	5-641114-0
TIN	2.964	75.29	19	4-641114-9
TIN	2.808	71.32	18	4-641114-8
TIN	2.652	67.36	17	4-641114-7
TIN	2.496	63.40	16	4-641114-6
TIN	2.340	59.44	15	4-641114-5
TIN	2.184	55.47	14	4-641114-4
TIN	2.028	51.51	13	4-641114-3
TIN	1.872	47.55	12	4-641114-2
TIN	1.716	43.59	11	4-641114-1
TIN	1.560	39.62	10	4-641114-0
TIN	1.404	35.66	9	3-641114-9
TIN	1.248	31.70	8	3-641114-8
TIN	1.092	27.74	7	3-641114-7
TIN	.936	23.77	6	3-641114-6
TIN	.780	19.81	5	3-641114-5
TIN	.624	15.85	4	3-641114-4
TIN	.468	11.89	3	3-641114-3
TIN	.312	7.92	2	3-641114-2

FINISH	L IN	L MM	NUMBER OF POSITIONS	PART NUMBER
TIN-LEAD	3.744	95.10	24	2-641114-4
TIN-LEAD	3.588	91.14	23	2-641114-3
TIN-LEAD	3.432	87.17	22	2-641114-2
TIN-LEAD	3.276	83.21	21	2-641114-1
TIN-LEAD	3.120	79.25	20	2-641114-0
TIN-LEAD	2.964	75.29	19	1-641114-9
TIN-LEAD	2.808	71.32	18	1-641114-8
TIN-LEAD	2.652	67.36	17	1-641114-7
TIN-LEAD	2.496	63.40	16	1-641114-6
TIN-LEAD	2.340	59.44	15	1-641114-5
TIN-LEAD	2.184	55.47	14	1-641114-4
TIN-LEAD	2.028	51.51	13	1-641114-3
TIN-LEAD	1.872	47.55	12	1-641114-2
TIN-LEAD	1.716	43.59	11	1-641114-1
TIN-LEAD	1.560	39.62	10	1-641114-0
TIN-LEAD	1.404	35.66	9	641114-9
TIN-LEAD	1.248	31.70	8	641114-8
TIN-LEAD	1.092	27.74	7	641114-7
TIN-LEAD	.936	23.77	6	641114-6
TIN-LEAD	.780	19.81	5	641114-5
TIN-LEAD	.624	15.85	4	641114-4
TIN-LEAD	.468	11.89	3	641114-3
TIN-LEAD	.312	7.92	2	641114-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± – ; 3 PLC ± .005 ; 4 PLC ± – ; ANGLES ± –

MATERIAL 7 FINISH 7

METRIC

DRN	B. LEWIS	13MAY06
CHK	R. SWING	13MAY06
APVD	D.CLARK	13MAY06

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME: MTA-156 HEADER ASSEMBLY, PLAIN, STRAIGHT, .045 ROUND POST,.000015 GOLD

PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-641114	–

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV S