



RECOMMENDED MOUNTING HOLE PATTERN FOR 1.60 [0.063] 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 [0.032-.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 [0.120-.240] WHEN MATING WITH A MTA-100 CONNECTOR ASSEMBLY OR 3.05 [0.120] MINIMUM WHEN MATING WITH A CST-100 CONNECTOR ASSEMBLY.
- 13 PLATING: GOLD PLATE AREA, 0.00038 [0.000015] GOLD OR 0.00008 [0.000003] MIN GOLD FLASH OVER 0.00030 [0.000012] PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [0.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
- 14 PLATING: BRIGHT TIN/LEAD (93/7) PLATE AREA, 0.00381-0.00889 [0.000150-.000350] THICK, ALL FOUR SIDES 3.56 [0.140] MINIMUM.
- 15 PLATING: MATTE TIN PLATE AREA, 0.00381-0.00889 [0.000150-.000350] THICK, ALL FOUR SIDES 3.56 [0.140] MINIMUM.
- 16 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

LEAD FREE	71.12 [2.800]	28	5-641123-8	CONTAINS LEAD	71.12 [2.800]	28	2-641123-8
	68.58 [2.700]	27	5-641123-7		68.58 [2.700]	27	2-641123-7
	66.04 [2.600]	26	5-641123-6		66.04 [2.600]	26	2-641123-6
	63.50 [2.500]	25	5-641123-5		63.50 [2.500]	25	2-641123-5
	60.96 [2.400]	24	5-641123-4		60.96 [2.400]	24	2-641123-4
	58.42 [2.300]	23	5-641123-3		58.42 [2.300]	23	2-641123-3
	55.88 [2.200]	22	5-641123-2		55.88 [2.200]	22	2-641123-2
	53.34 [2.100]	21	5-641123-1		53.34 [2.100]	21	2-641123-1
	50.80 [2.000]	20	5-641123-0		50.80 [2.000]	20	2-641123-0
	48.26 [1.900]	19	4-641123-9		48.26 [1.900]	19	1-641123-9
	45.72 [1.800]	18	4-641123-8		45.72 [1.800]	18	1-641123-8
	43.18 [1.700]	17	4-641123-7		43.18 [1.700]	17	1-641123-7
	40.64 [1.600]	16	4-641123-6		40.64 [1.600]	16	1-641123-6
	38.10 [1.500]	15	4-641123-5		38.10 [1.500]	15	1-641123-5
	35.56 [1.400]	14	4-641123-4		35.56 [1.400]	14	1-641123-4
	33.02 [1.300]	13	4-641123-3		33.02 [1.300]	13	1-641123-3
	30.48 [1.200]	12	4-641123-2		30.48 [1.200]	12	1-641123-2
	27.94 [1.100]	11	4-641123-1		27.94 [1.100]	11	1-641123-1
	25.40 [1.000]	10	4-641123-0		25.40 [1.000]	10	1-641123-0
	22.86 [0.900]	9	3-641123-9		22.86 [0.900]	9	641123-9
20.32 [0.800]	8	3-641123-8	20.32 [0.800]	8	641123-8		
17.78 [0.700]	7	3-641123-7	17.78 [0.700]	7	641123-7		
15.24 [0.600]	6	3-641123-6	15.24 [0.600]	6	641123-6		
12.70 [0.500]	5	3-641123-5	12.70 [0.500]	5	641123-5		
10.16 [0.400]	4	3-641123-4	10.16 [0.400]	4	641123-4		
7.62 [0.300]	3	3-641123-3	7.62 [0.300]	3	641123-3		
5.08 [0.200]	2	3-641123-2	5.08 [0.200]	2	641123-2		
DIM (L)	NO. OF POSN	ASSEMBLY	DIM (L)	NO. OF POSN	ASSEMBLY		



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN S. HOOPER 26-JAN-2005	TE Connectivity
0 PLC ±	± 0.13 [0.005]	CHK: D. ROSSI 26-JAN-2005	NAME: MTA-100 HEADER ASSEMBLY, PLAIN .025, SQUARE RIGHT ANGLE POST .000015 GOLD PLATED
1 PLC ±	±	APVD: D. ROSSI 26-JAN-2005	PRODUCT SPEC
2 PLC ±	±	APPLICATION SPEC	SIZE: A1
3 PLC ±	±	WEIGHT	CAGE CODE: 641123
4 PLC ±	±	CUSTOMER DRAWING	DRAWING NO: 641123
ANGLES ±	±	SCALE: 8:1	SHEET 1 OF 1
MATERIAL	FINISH	REV: Z1	

# Mouser Electronics

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[4-641123-2](#)