



RECOMMENDED MOUNTING HOLE PATTERN 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 AFA-
- 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 3.30 [.130] WHEN MATING WITH A MTA-100 CONNECTOR ASSEMBLY OR 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

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	5-641124-8
68.58 [2.700]	27	5-641124-7
66.04 [2.600]	26	5-641124-6
63.50 [2.500]	25	5-641124-5
60.96 [2.400]	24	5-641124-4
58.42 [2.300]	23	5-641124-3
55.88 [2.200]	22	5-641124-2
53.34 [2.100]	21	5-641124-1
50.80 [2.000]	20	5-641124-0
48.26 [1.900]	19	4-641124-9
45.72 [1.800]	18	4-641124-8
43.18 [1.700]	17	4-641124-7
40.64 [1.600]	16	4-641124-6
38.10 [1.500]	15	4-641124-5
35.56 [1.400]	14	4-641124-4
33.02 [1.300]	13	4-641124-3
30.48 [1.200]	12	4-641124-2
27.94 [1.100]	11	4-641124-1
25.40 [1.000]	10	4-641124-0
22.86 [.900]	9	3-641124-9
20.32 [.800]	8	3-641124-8
17.78 [.700]	7	3-641124-7
15.24 [.600]	6	3-641124-6
12.70 [.500]	5	3-641124-5
10.16 [.400]	4	3-641124-4
7.62 [.300]	3	3-641124-3
5.08 [.200]	2	3-641124-2
DIM (L)	NO.OF POSN	ASSEMBLY

DIM (L)	NO.OF POSN	ASSEMBLY
71.12 [2.800]	28	-2-641124-8
68.58 [2.700]	27	-2-641124-7
66.04 [2.600]	26	-2-641124-6
63.50 [2.500]	25	-2-641124-5
60.96 [2.400]	24	2-641124-4
58.42 [2.300]	23	-2-641124-3
55.88 [2.200]	22	-2-641124-2
53.34 [2.100]	21	-2-641124-1
50.80 [2.000]	20	2-641124-0
48.26 [1.900]	19	-1-641124-9
45.72 [1.800]	18	-1-641124-8
43.18 [1.700]	17	-1-641124-7
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30.48 [1.200]	12	-1-641124-2
27.94 [1.100]	11	-1-641124-1
25.40 [1.000]	10	-1-641124-0
22.86 [.900]	9	-641124-9
20.32 [.800]	8	-641124-8
17.78 [.700]	7	-641124-7
15.24 [.600]	6	641124-6
12.70 [.500]	5	641124-5
10.16 [.400]	4	641124-4
7.62 [.300]	3	-641124-3
5.08 [.200]	2	-641124-2
DIM (L)	NO.OF POSN	ASSEMBLY

LEAD FREE

CONTAINS LEAD



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 [.005]	CHK: D. ROSSI 26-JAN-2005	NAME: MTA-100 HEADER ASSEMBLY, POLARIZED, NOTCHED, .025 SQUARE STRAIGHT POST, .000015 GOLD PLATED
1 PLC ±	±	APVD: D. ROSSI 26-JAN-2005	APPLICATION SPEC
2 PLC ±	±		SIZE: A1
3 PLC ±	±		CAGE CODE: 641124
4 PLC ±	±		DRAWING NO: 641124
ANGLES ±	±		RESTRICTED TO
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING
		SCALE: 8:1	SHEET 1 OF 1