



- 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 3.30 [.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: MATTE TIN PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 3.56 [.140] MINIMUM.
- 15 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

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

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm (NCHES)	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ±	1 PLC ±	2 PLC ± 0.13 [.005]	3 PLC ±	4 PLC ±	ANGLES ±
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MATERIAL: **1** FINISH: **7**

APPROVED: <b>D. ROSSI</b>	DATE: 26-JAN-2005	NAME: <b>TE Connectivity</b>
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PRODUCT SPEC: MTA-100 HEADER ASSEMBLY, POLARIZED, NOTCHED, .025 SQUARE STRAIGHT POST, .000015 GOLD PLATED

APPLICATION SPEC: 108-1050

SIZE: 114-1019

WEIGHT: A1 00779

CUSTOMER DRAWING: **641124** SCALE: N/A SHEET: 1 OF 1 REV: AD2