



- 1 POST TO WITHSTAND 13 NEWTONS (3 LBS) 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 (.032-.035 DIA) FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- 7 MATERIAL: HEADER-THERMOPLASTIC POLYESTER UL94V-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 POSTS TO BE MEASURED WHEN STRIP IS HELD FLAT.
- 11 POSTS MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- 12 DIMENSION SHOULD BE .130 MIN WHEN MATING WITH A MTA 100 CONNECTOR ASSEMBLY OR A CST 100 CONNECTOR.
- 13 GOLD PLATE AREA, .000030 OR .000030 TOTAL GOLD FLASH OVER PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES AND ENTIRE LENGTH OF POST.
- (M) 14 MATTE TIN PLATE AREA, .000150-.000350" THICK, ALL FOUR SIDES, .140 MIN. SEE FINISH COLUMN IN THE TABLE FOR PLATING TYPE.
- 15 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

.040	1.02		
.035	0.89		
.032	0.81	.535	13.59
.025	0.64	.500	12.70
.020	0.51	.310	7.87
.015	0.38	.295	7.49
.010	0.25	.260	6.60
.008	0.20	.225	5.72
.005	0.13	.200	5.08
.001	0.03	.140	3.56
.000350	0.00889	.130	3.30
.000150	0.00381	.125	3.18
.000050	0.00127	.100	2.54
.000030	0.00076	.063	1.60
.000	0.00	.050	1.27
IN	MM	IN	MM

CONVERSION TABLE

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

643787-3 SHOWN

TIN	2	3-643787-3
TIN	4	3-643787-1
TIN	2	643787-3
TIN-LEAD	4	643787-1
FINISH	POST NUMBER OMITTED	PART NUMBER

15 SUPERSEDED BY 3-643787-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN B. VISWESWARA 08JULY2005		TE Connectivity	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0 PLC ± -		1 PLC ± -		MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, .000030 GOLD PLATED, 5 POSITION, OMITTED POST	
1 PLC ± -		2 PLC ± -		SIZE	
2 PLC ± -		3 PLC ± -		A1	
3 PLC ± -		4 PLC ± -		DRAWING NO	
4 PLC ± -		ANGLES ± -		00779	
MATERIAL		FINISH		C=643787	
WEIGHT		CUSTOMER DRAWING		SCALE 10:1	
SHEET 1 of 1		REV M1		DATE	

