



RECOMMENDED MOUNTING HOLE PATTERN FOR 0.063 THICK P.C. BOARD

- 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 GLASS-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 .175 MIN WHEN MATING WITH A MTA 156 CONNECTOR ASSEMBLY OR A SL-156 CONNECTOR ASSEMBLY.
- 13 PLATING: GOLD PLATE AREA, .000030 GOLD OR .000003 MIN GOLD FLASH OVER .000027 PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, .000050 MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
- 14 PLATING: BRIGHT TIN-LEAD (93/7) PLATE AREA .000150-.000350 THICK ALL FOUR SIDES .125 MINIMUM FOR -1 THRU -5.
- 15 MATTE TIN PLATE .000150-.000350 THICK ALL FOUR SIDES .125 FOR 3--1 THRU 3--5.
- 16 OBSOLETE PART NUMBER

.051	1.30	1.000	25.40
.046	1.17	.700	17.78
.045	1.14	.450	11.43
.030	0.76	.425	10.80
.015	0.38	.415	10.54
.012	0.30	.300	7.62
.010	0.25	.180	4.57
.008	0.20	.175	4.45
.005	0.13	.156	3.96
.001	0.03	.125	3.18
.000350	0.00889	.078	1.98
.000150	0.00381	.068	1.73
.000050	0.00127	.063	1.60
.000030	0.00076	.060	1.52
[IN]	MM	[IN]	MM

CONVERSION TABLE

647338-2 SHOWN

13/13	5	3-647338-5
13/13	4	3-647338-4
13/13	3	3-647338-3
13/13	2	3-647338-2
13/13	1	3-647338-1
13/13	5	-647338-5
13/13	4	-647338-4
13/13	3	-647338-3
13/13	2	-647338-2
13/13	1	-647338-1
FINISH	POST NO. (S) OMITTED	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± -	3 PLC ± -	4 PLC ± -	ANGLES ± -
MATERIAL		FINISH		WEIGHT	SIZE	CAGE CODE	DRAWING NO
CUSTOMER DRAWING		SCALE 5:1		SHEET 1 OF 1	REV G1	TE Connectivity	

APPROVED: D. ROSSI, 07NOV02
 NAME: MTA-.156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT, .045 ROUND POST, 30AU PLATED, OMITTED POST, 5 POSITION
 DRAWING NO: 00779, 647338