



- 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 (MATTE TIN-PLATED - WHISKER MITIGATED)
- 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 PIN BURR OF .005 MAX. VERTICAL AND .003 MAX. HORIZONTAL PERMITTED AT POST TIPS ON BOTH ENDS.

Datasheet.Directory

		1.000	25.40
.035	0.89	.535	13.59
.032	0.81	.310	7.87
.025	0.64	.295	7.49
.020	0.51	.225	5.72
.015	0.38	.140	3.56
.010	0.25	.130	3.30
.008	0.20	.125	3.18
.005	0.13	.100	2.54
.003	0.08	.063	1.60
.001	0.03	.050	1.27
.000	0.00	.040	1.02
IN	MM	IN	MM

1.800	45.72	18	1-1744214-8
1.600	40.64	16	1-1744214-6
1.400	35.56	14	1-1744214-4
1.200	30.48	12	1-1744214-2
.800	20.32	8	1744214-8
.600	15.24	6	1744214-6
.300	7.62	3	1744214-3
.200	5.08	2	1744214-2
IN	MM	NO OF POSITIONS	PART NUMBER

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

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN K. WHITAKER 15FEB2006	 Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: INCHES		CHK D. BOSSI 15FEB2006	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. BOSSI 15FEB2006	NAME MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, TIN PLATED
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± ± 0.30°		PRODUCT SPEC	APPLICATION SPEC
MATERIAL		SIZE A1	WEIGHT
FINISH		SCALE 8:1	RESTRICTED TO
CUSTOMER DRAWING		DRAWING NO 00779	SHEET 1 of 1
		DRAWING NO 1744214	REV A