



RECOMMENDED MOUNTING HOLE PATTERN FOR 1.63±0.15 [0.063±0.006] THK PRINTED CIRCUIT BOARD

- 1 MATERIAL
HOUSING: POLYAMIDE NYLON,UL94V-0.
POST: COPPER ALLOY
- 2 FINISH
HOUSING: BLACK
POST: BRIGHT TIN-LEAD (93/7) PLATE, FOR -2 THRU -12 OR MATTE TIN FOR -32 THRU -42 0.00380-0.00880[.000150-.000350] THK OVER NICKEL UNDERPLATE,0.00130[.000050] MIN THK.
- 3 UL MARKING MAY NOT APPEAR ON THE 2 OR 3 POSITION SIZES. CSA MARKING MAY NOT APPEAR ON THE 2 POSITION SIZE.
- 4 POST SOLDERDETAILS COMPLY WITH AMP SOLDERABILITY SPEC 109-11-2.
- 5 POST WITHSTANDS 13.34N [3 LB] MIN AXIAL FORCE IN EITHER DIRECTION WITHOUT DISLODGING.
- 6 APPLIES AT -A-.
- 7 APPLIES WHEN THE HEADER IS STRAIGHT.
- 8 PLASTIC PROJECTIONS PERMITTED IN THIS ZONE.
- 9 COORDINATE DIMENSIONS APPLIES FROM THE CENTER OF THE ACTUAL FEATURE.
- 10 DIMENSION APPLY TO COMPONENT SIDE OF BOARD UNLESS OTHERWISE NOTED.
- 11 DIMENSIONS IN BRACKETS ARE IN INCHES.
- 12 ALL POSITION SIZES HAVE THE BACKWALL NOTCHED ON BOTH ENDS AS SHOWN. THE 2 THRU 5 POSITION SIZES HAVE SOLID BACKWALLS. POSITION SIZES 6 AND ABOVE HAVE AN INTERRUPTED BACKWALL AT VARIOUS LOCATIONS (SEE TABLE FOR INTERRUPTION(S) LOCATIONS).
- 13 EDGE OF POLARIZING LOCK WALL TO BE IN LINE WITH CENTERLINE OF ADJACENT POST WITHIN ±0.13 [0.005].
- 14 ONE HOLE MAY BE UNDERSIZED (1.17-1.3 [0.046-.051]) FOR BOARD RETENTION.
- 15 MAXIMUM TEMPERATURE EXPOSURE DURING REFLOW SOLDERING NOT TO EXCEED 280° C (536° F).
- 16 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

4&5, 8&9	47.42 [1.867]	12	4-647648-2
4&5, 7&8	43.46 [1.711]	11	4-647648-1
3&4, 7&8	39.50 [1.555]	10	4-647648-0
3&4, 6&7	35.53 [1.399]	9	3-647648-9
4&5	31.57 [1.243]	8	3-647648-8
4&5	27.61 [1.087]	7	3-647648-7
3&4	23.65 [0.931]	6	3-647648-6
NONE	19.69 [0.775]	5	3-647648-5
NONE	15.72 [0.619]	4	3-647648-4
NONE	11.76 [0.463]	3	3-647648-3
NONE	7.80 [0.307]	2	3-647648-2

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NONE	19.69 [0.775]	5	-647648-5
NONE	15.72 [0.619]	4	647648-4
NONE	11.76 [0.463]	3	-647648-3
NONE		2	647648-2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN K. WHITAKER 21JUN2005		TE Connectivity	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
0 PLC	±	0.13[0.005]		MTA-156 HEADER ASSEMBLY, HIGH TEMP, STRAIGHT .045 ROUND POST, TIN OR TIN-LEAD	
1 PLC	±			APPLICATION SPEC	
2 PLC	±			SIZE	
3 PLC	±			WEIGHT	
4 PLC	±			CUSTOMER DRAWING	
ANGLES	±			SCALE 5:1 SHEET 1 OF 1 REV A2	

