



RECOMMENDED MOUNTING HOLE PATTERN FOR 1.63±0.15 [.063±.006] THK PRINTED CIRCUIT BOARD

- 1 MATERIAL
HOUSING: POLYAMIDE NYLON, UL94V-0.
POST: COPPER ALLOY
- 2 FINISH
HOUSING: BLACK
POST: SEE NOTES 15 AND 16 FOR PLATING INFORMATION.
- 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 SOLDER TAILS 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 BACK WALL NOTCHED ON BOTH ENDS AS SHOWN. THE 2 THRU 5 POSITION SIZES HAVE SOLID BACK WALLS. POSITION SIZES 6 AND ABOVE HAVE AN INTERRUPTED BACK WALL 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 [.005].
- 14 ONE HOLE MAY BE UNDERSIZED (1.17-1.30 [.046-.051]) FOR BOARD RETENTION.
- 15 PLATING: GOLD PLATE AREA, 0.00038 [.000015] GOLD OR 0.000076[.000003] MIN GOLD FLASH OVER 0.000030 [.000012] PALLADIUM NICKEL PER TE CONNECTIVITY'S DISCRETION ,ALL SIDES,OVER NICKEL UNDERPLATE, 0.00127[.000050] MIN. ALL SIDES AND ENTIRE LENGTH OF POST.
- 16 PLATING: BRIGHT TIN/LEAD (9/37) PLATE AREA, 0.00381-0.00889[.000150-.000350] THICK, ALL FOUR SIDES, 3.18[.125] MIN.
- 17 MAXIMUM TEMPERATURE EXPOSURE DURING REFLOW SOLDERING NOT TO EXCEED 280°C (536°F).

YES	NONE	11.76 [.463]	2	3	1744071-3
LEAD FREE	BACK WALL INTERRUPTIONS BETWEEN POSTS	L	OMITTED POST	NO OF POSITIONS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: S. HOOVER 17-JUN-2004	CHK: D. BOSSI 17-JUN-2004	APVD: D. BOSSI 17-JUN-2004	NAME: ASSEMBLY, MTA-156, HIGH TEMP. STRAIGHT .045 ROUND POST, .00015 GOLD PLATED, W/OUT RETENTION PEGS, POST 2 OMITTED
0 PLC ±	1 PLC ±	2 PLC ± 0.13 [.005]	3 PLC ±	4 PLC ±	ANGLES ±
MATERIAL: 1	FINISH: 2	WEIGHT: A1	CAGE CODE: 00779	DRAWING NO: 1744071	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 1 OF 1	REV: A	

STE TE Connectivity