



- 1 MATERIAL  
HOUSING: THERMOPLASTIC POLYESTER, GLASS FILLED, DR-48. UL94V-O.  
POST: COPPER ALLOY
- 2 FINISH  
HOUSING: BLACK  
POST: BRIGHT TIN-LEAD (93/7) 0.00380 [.000150]-0.00880 [.000350] THICK OVER NICKEL UNDERPLATE 0.00130 [.000050] MINIMUM THICK OR MATTE TIN PLATE 0.00380 [.000150] THICK OVER NICKEL UNDERPLATE 0.00130 [.000050] MINIMUM THICK IF LEAD FREE.
- 3 UL MARKING MAY NOT APPEAR ON THE 3 POSITION SIZE.
- 4 POST SOLDERTAILS 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 SOLDER SIDE OF BOARD IS SHOWN.
- 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 NOTCH SHOWN MAY OR MAY NOT APPEAR.
- 15 OBSOLETE PART NUMBER

**METRIC**

RECOMMENDED MOUNTING HOLE PATTERN FOR 1.57 [.062] THICK P.C. BOARD

	YES	4 & 5	27.61	[1.087]	7	3-647178-7
13	NO	4 & 5	27.61	[1.087]	7	647178-7
NOTES	LEAD FREE	BACK WALL INTERRUPTIONS BETWEEN POSTS	mm	[IN]	NO OF POSITIONS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN S. HOOPER 22-OCT-2004	TE Connectivity
DIMENSIONS: mm [INCHES]		CIK D. ROSSI 22-OCT-2004	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: ASSEMBLY- MTA .156 HEADER, POLARIZED LOCK, STR	APPLICATION SPEC SIZE: A1 WEIGHT: 00779 CUSTOMER DRAWING
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 0.13 [.005] 4 PLC ± ANGLES ±		PRODUCT SPEC NAME: ASSEMBLY- MTA .156 HEADER, POLARIZED LOCK, STR .045 SQUARE POST, TIN OR TIN-LEAD PLATED, OMITTED POST #2, 4, & 6, SPECIAL	
MATERIAL 1		FINISH 2	SCALE: 5:1 SHEET: 1 of 1 REV: E