



- 1 MATERIAL
HOUSING: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0.
POST: COPPER ALLOY
- 2 FINISH
HOUSING: NATURAL
POST: BRIGHT TIN-LEAD (93/7) OR MATTE TIN PLATE, 0.00380[.000150]-0.00880[.000350] OVER NICKEL UNDERPLATE, 0.0013[.00005] MIN THICK. SEE PLATING COLUMN FOR DETAILS.
- 3 ALL POSITION SIZES HAVE THE BACKWALL NOTCHED ON BOTH ENDS AS SHOWN.
POSITION SIZES 6 AND ABOVE HAVE AN INTERRUPTED BACKWALL AT VARIOUS LOCATIONS. (SEE TABLE FOR INTERRUPTION(S) LOCATIONS).
- 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 SOLDER SIDE OF BOARD IS SHOWN.
- 11 THE RETENTION TABS PROVIDE A ONE-TIME INTERFERENCE FIT IN THE 1.63[.064] DIAMETER BOARD HOLE FOR HEADER ASSEMBLY RETENTION DURING SOLDERING. FOUR TABS PER PEG, TWO PEGS PER HEADER ASSEMBLY.
- 12 POST NO. 3 OMITTED.
13 DIMENSIONS IN BRACKETS ARE IN INCHES
- 14 EDGE OF POLARIZING LOCK WALL TO BE IN LINE WITH CENTERLINE OF ADJACENT POST WITHIN ±0.13 [.005].
- 15 NOTCH SHOWN MAY OR MAY NOT APPEAR.

MATTE TIN	NONE	19.69 [.775]	5	3-647071-5
MATTE TIN	NONE	15.72 [.619]	4	3-647071-4
MATTE TIN	NONE	11.76 [.463]	3	3-647071-3
BRIGHT TIN-LEAD	NONE	19.69 [.775]	5	647071-5
BRIGHT TIN-LEAD	NONE	15.72 [.619]	4	647071-4
BRIGHT TIN-LEAD	NONE	11.76 [.463]	3	647071-3
PLATING 2	BACKWALL INTERRUPTIONS BETWEEN POST	L	NO OF POSITIONS	PART NO

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± 0.13[.005]	3 PLC ± -	4 PLC ± -	ANGLES ± 1°	
MATERIAL 1		FINISH 2		WEIGHT -	SIZE A1	CAGE CODE 00779	DRAWING NO. 647071	RESTRICTED TO -
CUSTOMER DRAWING				SCALE 5:1	SHEET 1 OF 1	REV D1		

THIS DRAWING IS A CONTROLLED DOCUMENT. DIN K WHITAKER 07JUN2007. CHK D BOSSI 07JUN2007. APVO D BOSSI 07JUN2007. NAME Tyco Electronics Corporation Harrisburg, PA 17105-3608. Tyco Electronics Corporation Harrisburg, PA 17105-3608. MTA-156 HEADER ASSEMBLY. POLARIZED LOCK, STRAIGHT .045 SQUARE POST, TIN-LEAD PLATED. APPLICATION SPEC. SIZE CAGE CODE DRAWING NO. WEIGHT - A1 00779 647071. RESTRICTED TO -