



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

- 1. POST TO WITHSTAND 13 NEWTONS (3LBS.) 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 (.065/.060 DIA.) FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- 7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER NON-FILLED 94V-0(NATURAL) POST-COPPER ALLOY (SEE NOTES 13 & 14 FOR PLATING)
- 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. POST TO BE MEASURED WHEN STRIP IS HELD FLAT.
- 11. POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- 12. DIMENSION SHOULD BE .175 MIN WHEN MATING WITH A MTA 156 CONNECTOR ASSEMBLY OR A SL-156 CONNECTOR ASSEMBLY.
- 13. GOLD PLATE AREA, .000030 MIN., ALL SIDES, OVER NICKEL UNDERPLATE, .000050 MIN., ALL SIDES AND ENTIRE LENGTH OF POST.
- 14. BRIGHT TIN-LEAD (93/7) PLATE 0.00381 (.000150") MIN THICK ALL FOUR SIDES 3.18 (.125)
- 15. MATTE TIN PLATE 0.00381 (.000150") MIN THICK ALL FOUR SIDES 3.18 (.125)

METRIC

| | | | |
|---------|---------|-------|-------|
| .065 | 1.65 | - | - |
| .063 | 1.60 | - | - |
| .060 | 1.52 | 2.184 | 55.47 |
| .045 | 1.14 | .650 | 16.51 |
| .030 | 0.76 | .400 | 10.16 |
| .022 | 0.56 | .425 | 10.80 |
| .015 | 0.38 | .365 | 9.27 |
| .010 | 0.25 | .312 | 7.92 |
| .008 | 0.20 | .300 | 7.62 |
| .005 | 0.13 | .180 | 4.57 |
| .001 | 0.03 | .175 | 4.44 |
| .000350 | 0.00889 | .156 | 3.96 |
| .000150 | 0.00381 | .125 | 3.18 |
| .000050 | 0.00127 | .078 | 1.98 |
| .000030 | 0.00076 | .070 | 1.78 |
| .000 | 0.00 | .068 | 1.73 |
| [IN] | MM | [IN] | MM |

CONVERSION TABLE

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| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN S. HOOVER 07NOV2002 | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 |
| DIMENSIONS: INCHES | | APVD D. ROSSI 07NOV2002 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME | MTA-.156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT .045 SQUARE POST, .000030 GOLD, 14 POSITION, OMITTED POST |
| 0 PLC ± - | 1 PLC ± - | APPLICATION SPEC | SIZE |
| 2 PLC ± - | 3 PLC ± - | WEIGHT | A1 |
| 4 PLC ± - | ANGLES ± - | CUSTOMER DRAWING | SCALE 5:1 SHEET 1 OF 1 REV C |