

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

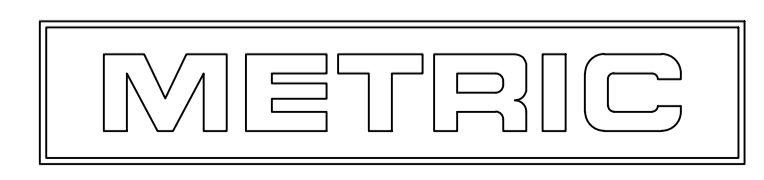
- 1. POST TO WITHSTAND 13 NEWTONS (3 LBS) MIN. AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
- 2. TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
- 3. MEASURED AT SURFACE $\overline{-A-}$
- 4. PLASTIC FLASH PERMITTED IN THIS AREA.
- 5. PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
- 6. ONE HOLE MAY BE UNDERSIZED (.032-.035 DIA) FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- 7. MATERIAL: HEADER-THERMOPLASTIC POLYESTER UL94V-0(NATURAL) POST-COPPER ALLOY (TIN-PLATED)
- 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. POSTS TO BE MEASURED WHEN STRIP IS HELD FLAT.
- 11. POSTS MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- 12. DIMENSION SHOULD BE .130 MIN WHEN MATING WITH A MTA 100 CONNECTOR ASSEMBLY OR A CST 100 CONNECTOR.
- 13. PIN BURR OF .005 MAX. VERTICAL AND .003 MAX. HORIZONTAL PERMITTED AT POST TIPS ON BOTH ENDS.

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|------|------|------|-------|
| .040 | 1.02 | .535 | 13.59 |
| .035 | 0.89 | .310 | 7.87 |
| .032 | 0.81 | .300 | 7.62 |
| .025 | 0.64 | .295 | 7.49 |
| .020 | 0.51 | .225 | 5.72 |
| .015 | 0.38 | .200 | 5.08 |
| .010 | 0.25 | .140 | 3.56 |
| .008 | 0.20 | .130 | 3.30 |
| .005 | 0.13 | .125 | 3.18 |
| .003 | 0.08 | .100 | 2.54 |
| .001 | 0.03 | .063 | 1.60 |
| .000 | 0.00 | .050 | 1.27 |
| IN | MM | IN | MM |

CONVERSION TABLE

643961-2 SHOWN

| | |
|---------------------|-------------|
| 2 | 643961-2 |
| 3 | 643961-1 |
| POST NUMBER OMITTED | PART NUMBER |



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|--|-------------|----------------------|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN L. SMITH 3-16-93 | TE Connectivity | |
| DIMENSIONS: INCHES | | CHK R. SWING 3-16-93 | NAME | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD | PRODUCT SPEC | |
| 0. PLC | ± - | PRODUCT SPEC | MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, TIN PLATED. | |
| 1. PLC | ± - | APPLICATION SPEC | SIZE: A1 | |
| 2. PLC | ± - | WEIGHT | CAGE CODE: 00779 | |
| 3. PLC | ± .005 | SCALE: 8:1 | DRAWING NO: 643961 | |
| 4. PLC | ± - | SHEET: 1 of 1 | REV: J1 | |
| ANGLES | ± - # 0°30' | CUSTOMER DRAWING | RESTRICTED TO | |