



- 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 -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 (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 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 GOLD PLATE AREA, .000030 OR .000030 TOTAL GOLD FLASH OVER PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ALL SIDES AND ENTIRE LENGTH OF POST.
- 14 BRIGHT TIN-LEAD (93/7) OR MATTE TIN PLATE AREA, .000150-.000350" THICK, ALL FOUR SIDES, .140 MIN. SEE FINISH COLUMN IN THE TABLE FOR PLATING TYPE.
- 15 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

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|---------|---------|------|-------|
| .040 | 1.02 | | |
| .035 | 0.89 | | |
| .032 | 0.81 | .535 | 13.59 |
| .025 | 0.64 | .500 | 12.70 |
| .020 | 0.51 | .310 | 7.87 |
| .015 | 0.38 | .295 | 7.49 |
| .010 | 0.25 | .260 | 6.60 |
| .008 | 0.20 | .225 | 5.72 |
| .005 | 0.13 | .200 | 5.08 |
| .001 | 0.03 | .140 | 3.56 |
| .000350 | 0.00889 | .130 | 3.30 |
| .000150 | 0.00381 | .125 | 3.18 |
| .000050 | 0.00127 | .100 | 2.54 |
| .000030 | 0.00076 | .063 | 1.60 |
| .000 | 0.00 | .050 | 1.27 |
| IN | MM | IN | MM |

CONVERSION TABLE

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

643787-3 SHOWN

| | | |
|----------|---------------------|---------------------|
| TIN | 2 | 3-643787-3 |
| TIN-LEAD | 4 | 3-643787-1 |
| | 2 | 643787-3 |
| | 4 | 643787-1 |
| FINISH | POST NUMBER OMITTED | PART NUMBER |

15 SUPERSEDED BY 3-643787-1

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|--|--|--|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN B VISWESWARA 08JULY2005 | | TE Connectivity | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | NAME | |
| 0 PLC ± - | | 1 PLC ± - | | MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, .000030 GOLD PLATED, 5 POSITION, OMITTED POST | |
| 2 PLC ± - | | 3 PLC ± - | | SIZE | |
| 4 PLC ± - | | ANGLES ± - | | A1 | |
| MATERIAL | | FINISH | | WEIGHT | |
| CUSTOMER DRAWING | | SCALE 10:1 | | SHEET 1 of 1 | |

