



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 -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 GLASS-FILLED 94V-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 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 WHEN MATING WITH A MTA-156 CONNECTOR ASSEMBLY OR A SL-156 CONNECTOR ASSEMBLY.
- 13 PIN BURR OF .005 MAX. VERTICAL AND .003 MAX. HORIZONTAL PERMITTED AT POST TIPS ON BOTH ENDS.

644970-1 SHOWN

|      |      |       |       |
|------|------|-------|-------|
| .065 | 1.65 | -     | -     |
| .063 | 1.60 | 1.092 | 27.74 |
| .060 | 1.52 | .700  | 17.78 |
| .045 | 1.14 | .450  | 11.43 |
| .030 | 0.76 | .425  | 10.80 |
| .015 | 0.38 | .312  | 7.92  |
| .012 | 0.30 | .300  | 7.62  |
| .011 | 0.28 | .180  | 4.57  |
| .010 | 0.25 | .175  | 4.45  |
| .008 | 0.20 | .156  | 3.96  |
| .005 | 0.13 | .125  | 3.18  |
| .003 | 0.08 | .078  | 1.98  |
| .001 | 0.03 | .073  | 1.85  |
| .000 | 0.00 | .070  | 1.78  |
| IN   | MM   | IN    | MM    |

CONVERSION TABLE

|                                  |                     |             |
|----------------------------------|---------------------|-------------|
| PRELIMINARY - NOT FOR PRODUCTION | 3                   | 644970-5    |
|                                  | 6                   | 644970-4    |
| PRELIMINARY - NOT FOR PRODUCTION | 5                   | 644970-3    |
| PRELIMINARY - NOT FOR PRODUCTION | 2                   | 644970-2    |
|                                  | 4                   | 644970-1    |
|                                  | POST NUMBER OMITTED | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                    |  |                      |                     |                  |                              |
|--------------------|--|----------------------|---------------------|------------------|------------------------------|
| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DIN R VESTAL 29MAR96 | CHK R SWING 29MAR96 | APVD             | NAME                         |
| 0 PLC ± -          | 1 PLC ± -                              | 2 PLC ± -            | 3 PLC ± .005        | 4 PLC ± -        | ANGLES ± -                   |
| MATERIAL           |  | FINISH               |                     | WEIGHT           | SIZE                         |
|                    |  |                      |                     |                  | A1                           |
|                    |  |                      |                     | CUSTOMER DRAWING | SCALE 5:1 SHEET 1 OF 1 REV D |

**STE** TE Connectivity

MTA-156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT .045 SQUARE POST, TIN PLATED, 7 POSITION, OMITTED POST

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