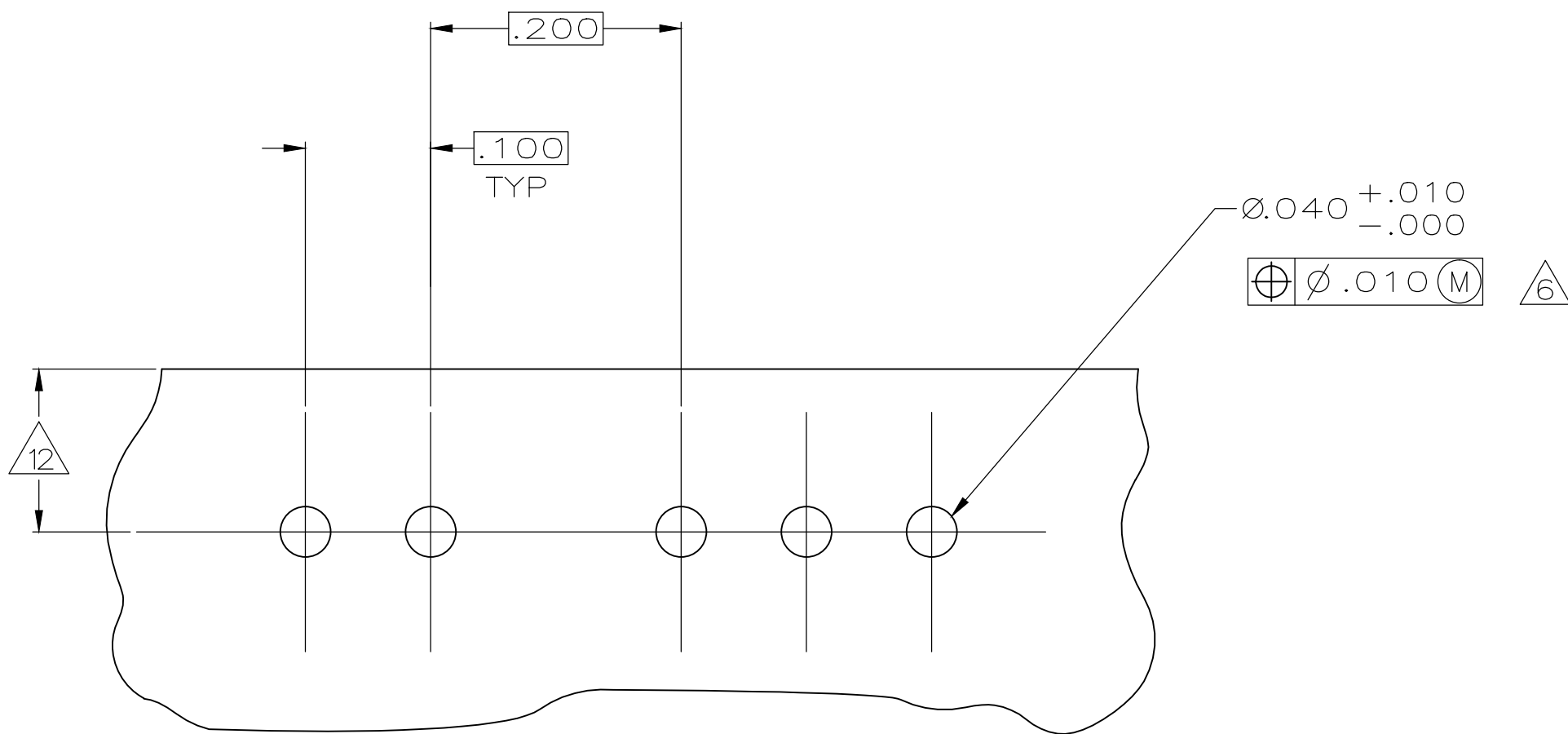
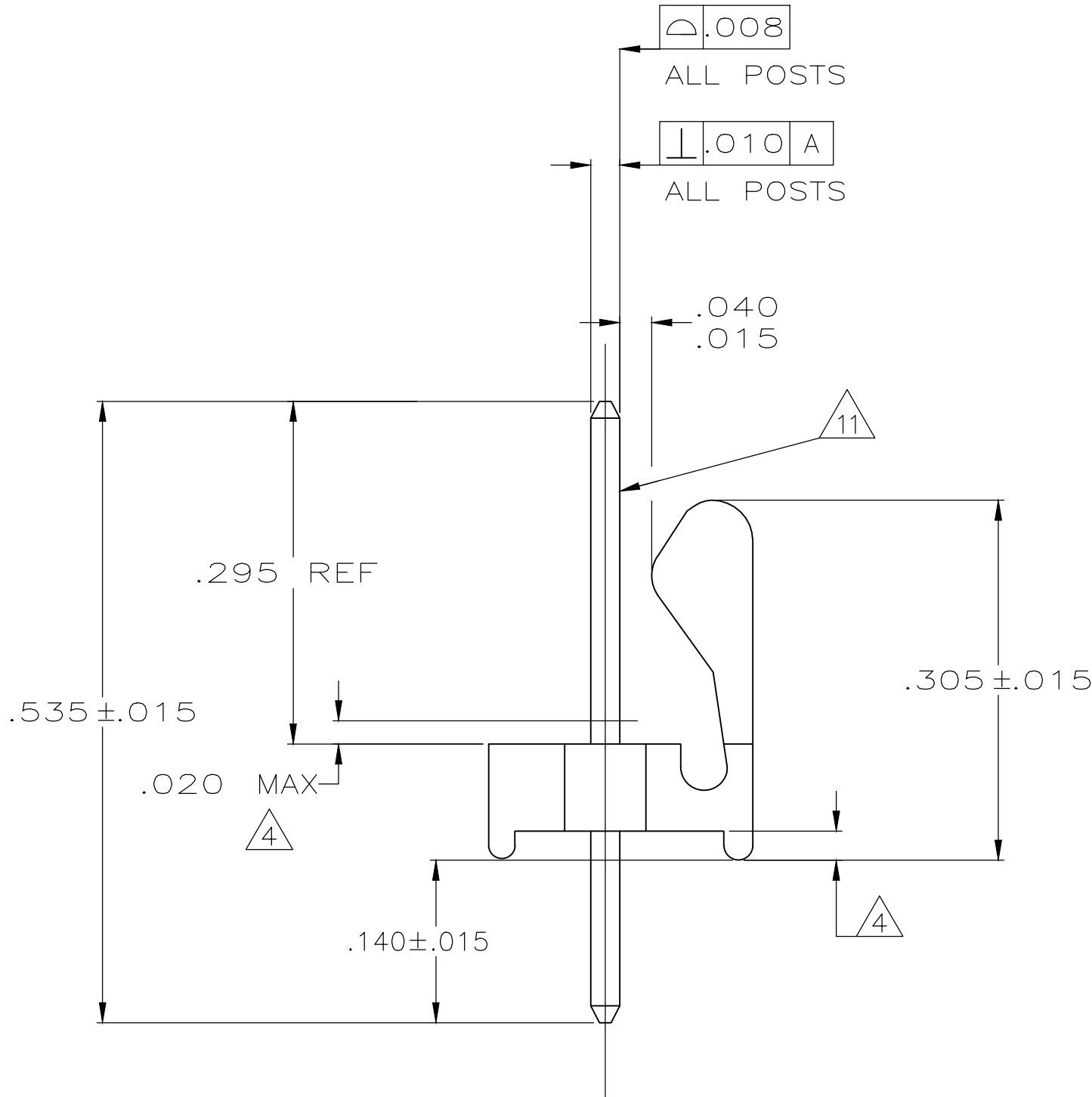
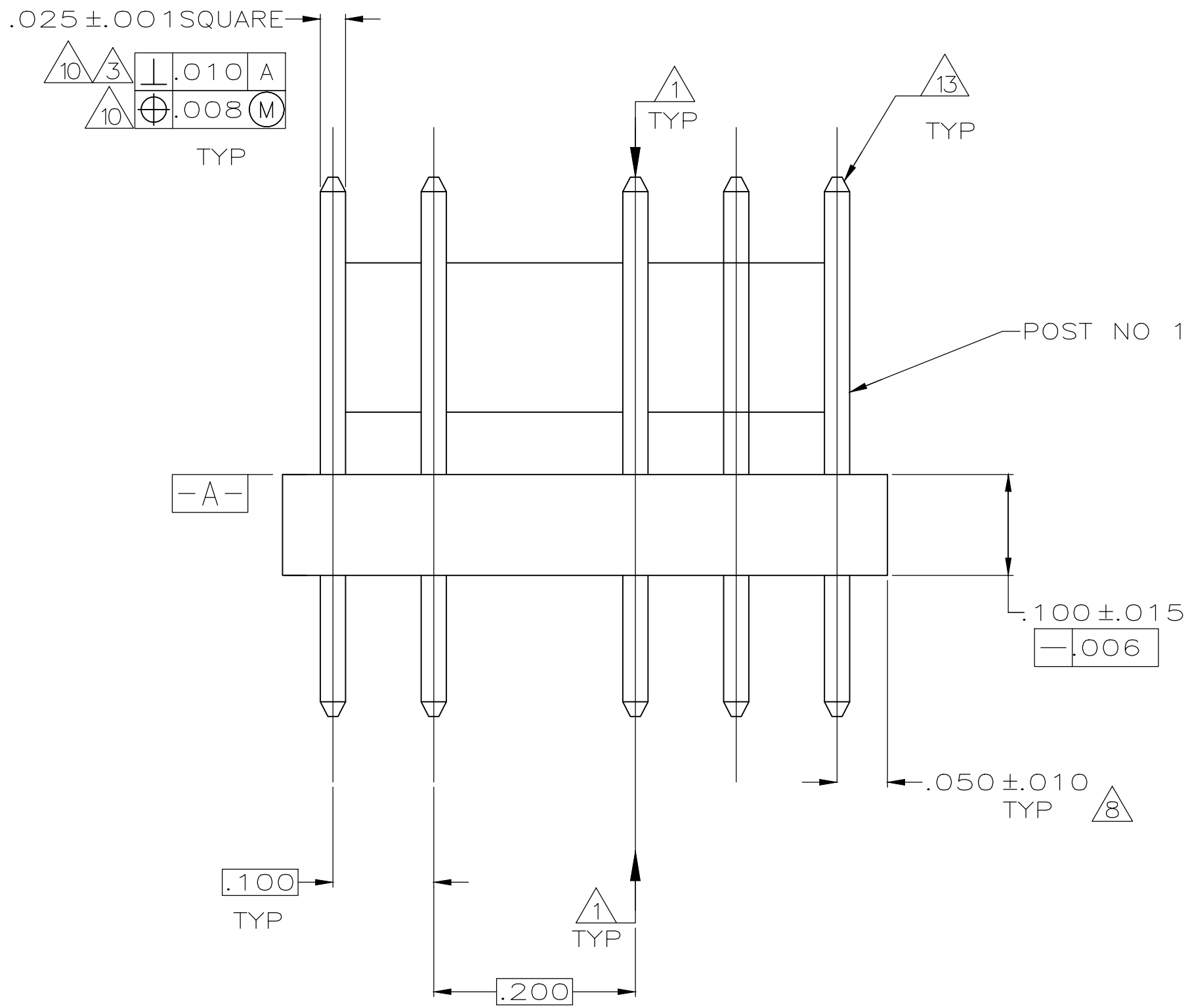
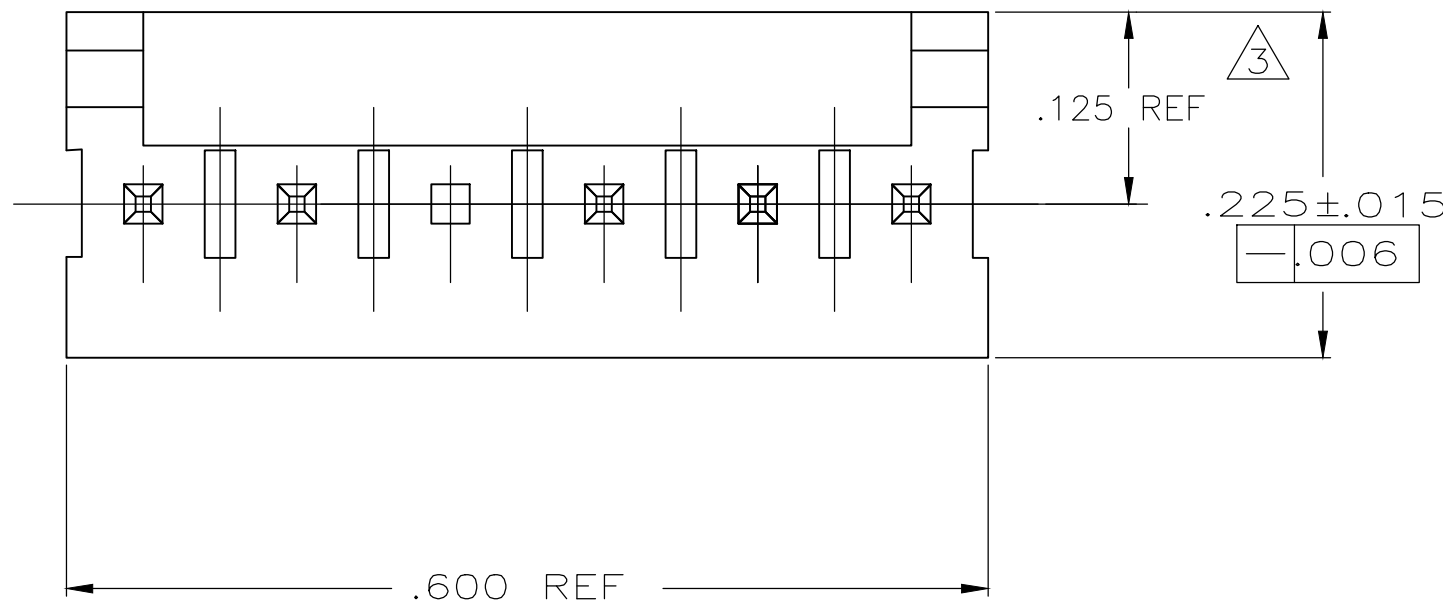


| LOC |    | DIST |     | REVISIONS                 |  |  |         |     |      |
|-----|----|------|-----|---------------------------|--|--|---------|-----|------|
| CM  | 54 | P    | LTR | DESCRIPTION               |  |  | DATE    | DWN | APVD |
|     |    |      |     |                           |  |  |         |     |      |
|     |    |      | S2  | REVISED PER ECO-14-011424 |  |  | 23SEP14 | MGM | CO   |



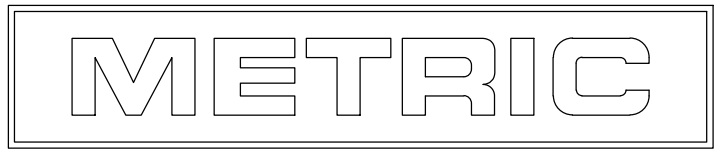
RECOMMENDED MOUNTING HOLE PATTERN  
FOR .063 THICK P.C. BOARD

- 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(.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 MUSTS 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.

|                  |      | .600 | 15.24 |
|------------------|------|------|-------|
| .035             | 0.89 | .535 | 13.59 |
| .032             | 0.81 | .310 | 7.87  |
| .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  |
| .006             | 0.15 | .125 | 3.18  |
| .005             | 0.13 | .100 | 2.54  |
| .003             | 0.08 | .063 | 1.60  |
| .001             | 0.03 | .050 | 1.27  |
| .000             | 0.00 | .040 | 1.02  |
| IN               | MM   | IN   | MM    |
| CONVERSION TABLE |      |      |       |

|          |                     |             |
|----------|---------------------|-------------|
| OBSOLETE | 2,3,5               | 643494-9    |
|          | 3,5                 | 643494-8    |
|          |                     |             |
|          |                     |             |
|          |                     |             |
|          | 5                   | 643494-4    |
|          | 4                   | 643494-3    |
|          | 3                   | 643494-2    |
|          | 2                   | 643494-1    |
|          | POST NUMBER OMITTED | PART NUMBER |

643494-3 SHOWN



|                                        |                                        |                                                                                                                          |                      |         |
|----------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------|---------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | DWN<br>L. SMITH<br>3-30-93                                                                                               | TE Connectivity      |         |
| CHK<br>R. SWING<br>3-30-93             |                                        | NAME<br>MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, TIN PLATED, 6 POSITION, OMITTED POST |                      |         |
| DIMENSIONS:<br>mm [INCHES]             | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD<br>R. SPEER<br>4-15-93                                                                                              | PRODUCT SPEC         |         |
| 0 PLC ± -                              | 1 PLC ± -                              | APPLICATION SPEC                                                                                                         |                      |         |
| 2 PLC ± -                              | 3 PLC ± .005                           | SIZE<br>A1                                                                                                               |                      |         |
| 4 PLC ± -                              | ANGLES ± 0°30'                         | CAGE CODE<br>00779                                                                                                       |                      |         |
| MATERIAL<br>7                          | FINISH<br>7                            | WEIGHT<br>-                                                                                                              | DRAWING NO<br>643494 |         |
| CUSTOMER DRAWING                       |                                        | SCALE<br>8:1                                                                                                             | SHEET<br>1           | OF<br>1 |
|                                        |                                        | REV<br>S2                                                                                                                |                      |         |

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