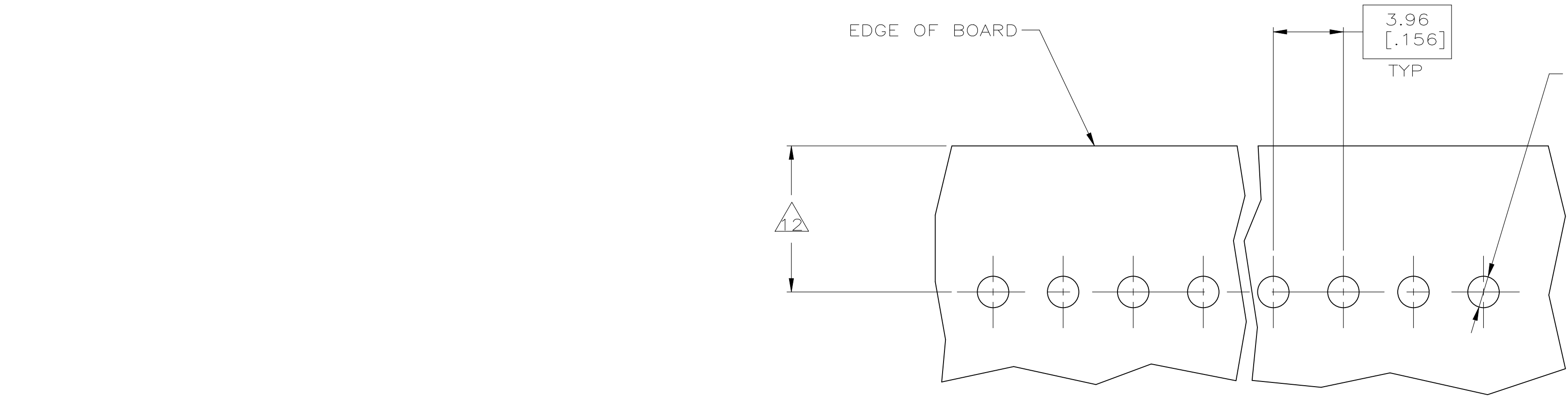


D

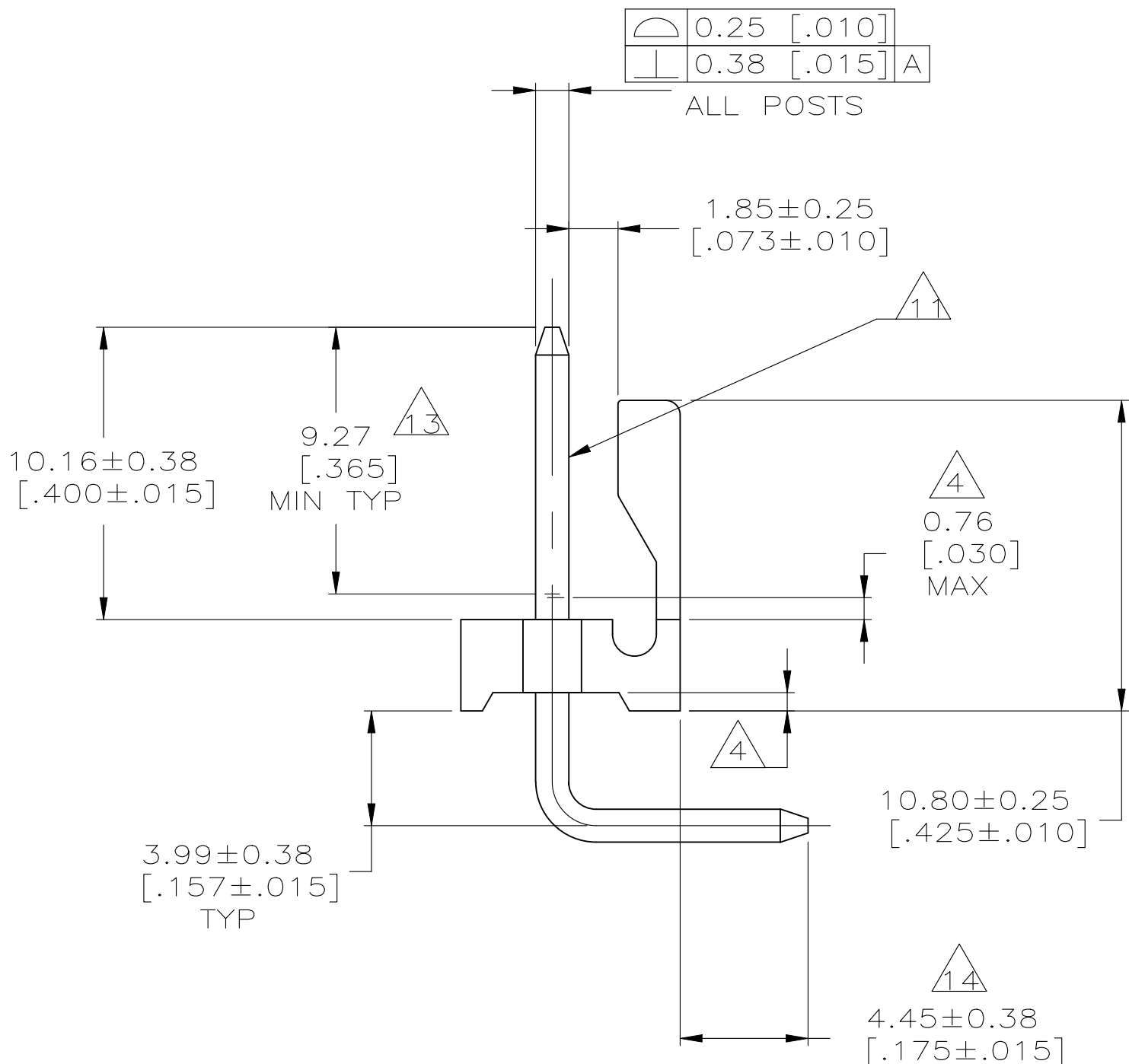
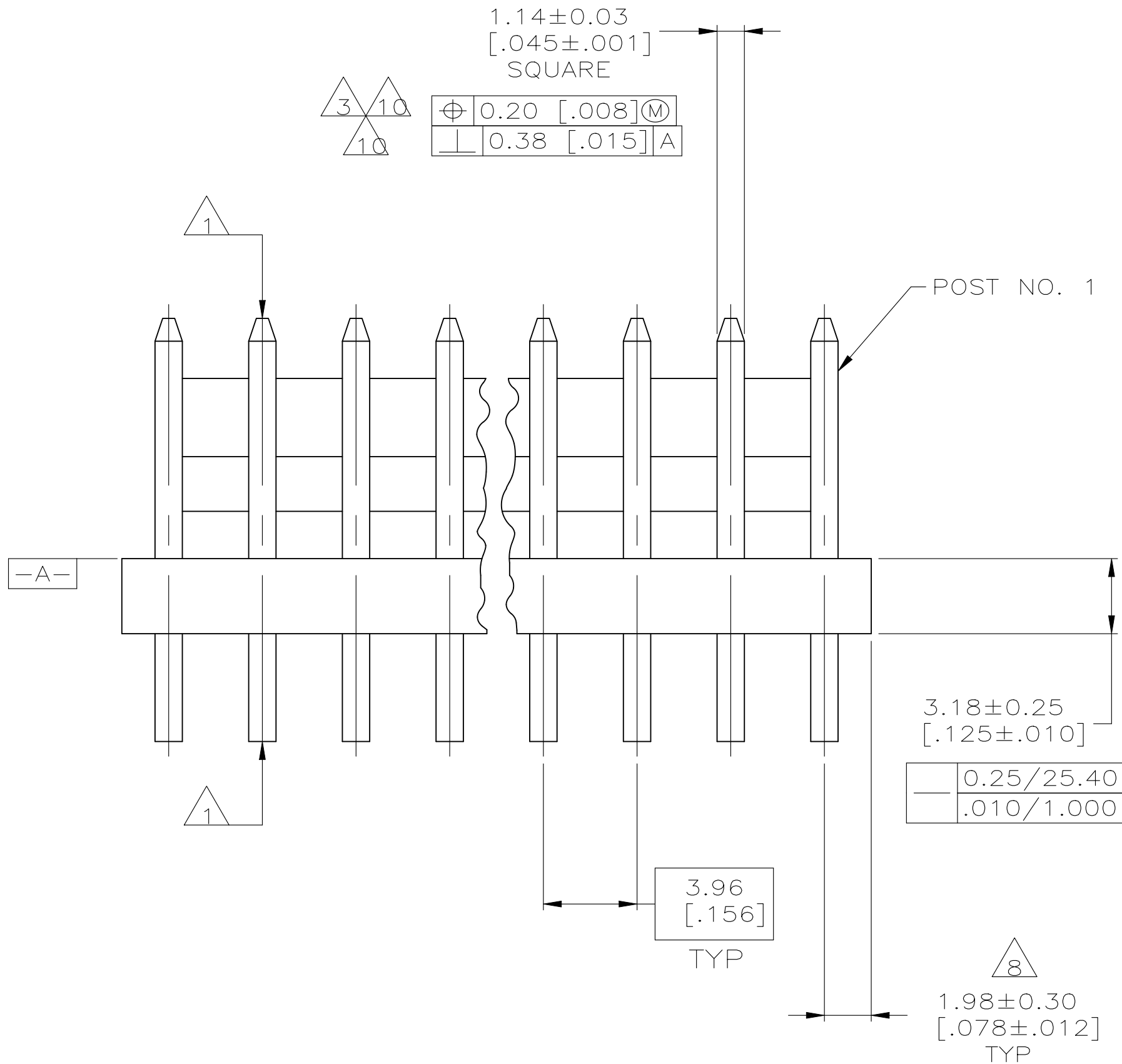
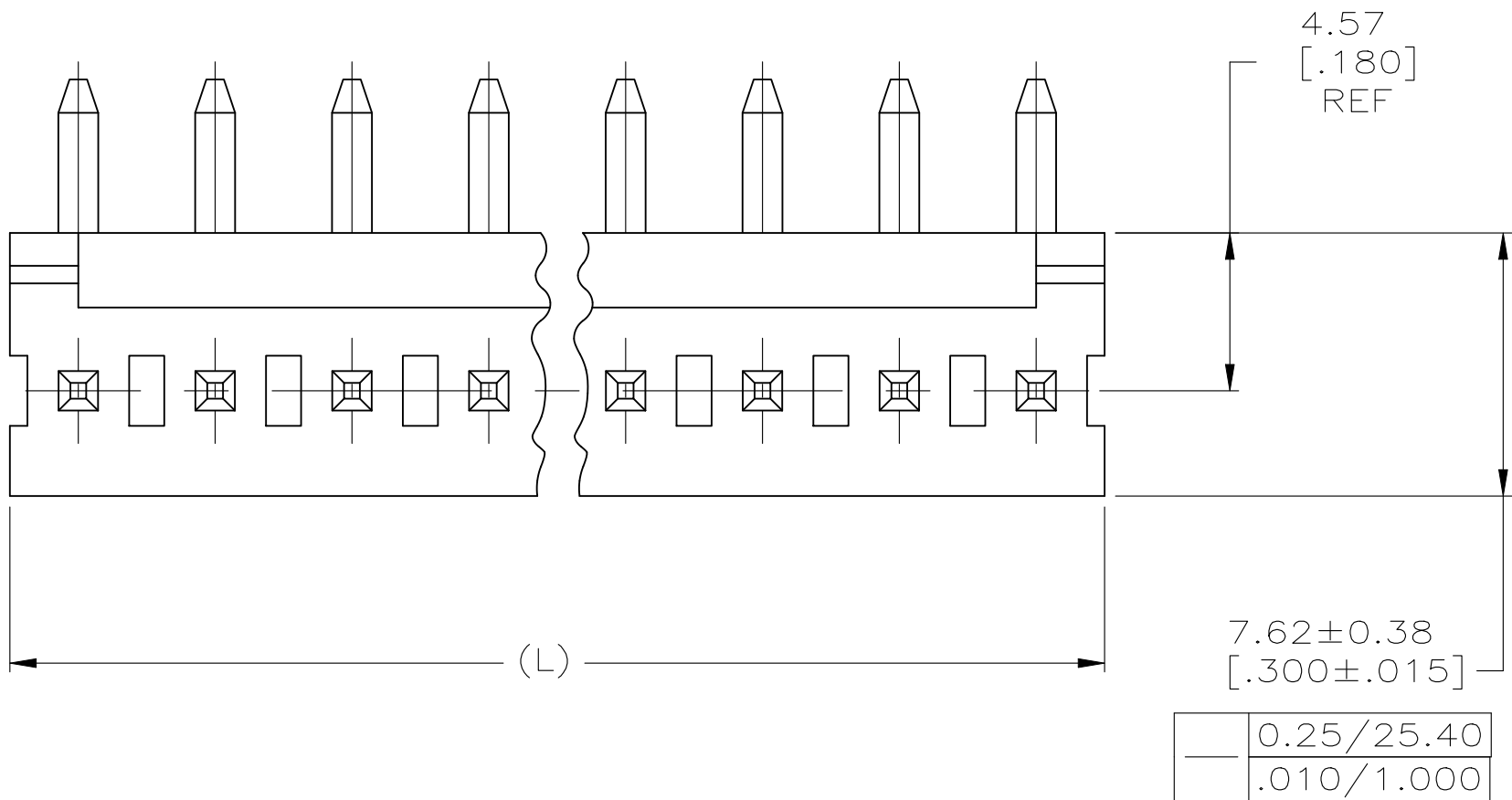
C

B

A



RECOMMENDED MOUNTING HOLE PATTERN  
FOR .109±0.016 THICK P.C. BOARD  $\triangle 2$



|               |       |         |    |            |
|---------------|-------|---------|----|------------|
| FREE<br>LEAD  | 95.10 | [3.744] | 24 | 5-644769-4 |
|               | 91.14 | [3.588] | 23 | 5-644769-3 |
|               | 87.17 | [3.432] | 22 | 5-644769-2 |
|               | 83.21 | [3.276] | 21 | 5-644769-1 |
|               | 79.25 | [3.120] | 20 | 5-644769-0 |
|               | 75.29 | [2.964] | 19 | 4-644769-9 |
|               | 71.32 | [2.808] | 18 | 4-644769-8 |
|               | 67.36 | [2.652] | 17 | 4-644769-7 |
|               | 63.40 | [2.496] | 16 | 4-644769-6 |
|               | 59.44 | [2.340] | 15 | 4-644769-5 |
|               | 55.47 | [2.184] | 14 | 4-644769-4 |
|               | 51.51 | [2.028] | 13 | 4-644769-3 |
|               | 47.55 | [1.872] | 12 | 4-644769-2 |
|               | 43.59 | [1.716] | 11 | 4-644769-1 |
|               | 39.62 | [1.560] | 10 | 4-644769-0 |
|               | 35.66 | [1.404] | 9  | 3-644769-9 |
|               | 31.70 | [1.248] | 8  | 3-644769-8 |
| LEAD          | 27.74 | [1.092] | 7  | 3-644769-7 |
|               | 23.77 | [.936]  | 6  | 3-644769-6 |
| NO.OF<br>POSN | 19.81 | [.780]  | 5  | 3-644769-5 |
|               | 15.85 | [.624]  | 4  | 3-644769-4 |
| ASSEMBLY      | 11.89 | [.468]  | 3  | 3-644769-3 |
|               | 7.92  | [.312]  | 2  | 3-644769-2 |

|                                                                    |       |         |    |            |
|--------------------------------------------------------------------|-------|---------|----|------------|
| O<br>C<br>C<br>U<br>N<br>T<br>A<br>I<br>N<br>S<br>L<br>E<br>A<br>D | 95.10 | [3.744] | 24 | 2-644769-4 |
|                                                                    | 91.14 | [3.588] | 23 | 2-644769-3 |
|                                                                    | 87.17 | [3.432] | 22 | 2-644769-2 |
|                                                                    | 83.21 | [3.276] | 21 | 2-644769-1 |
|                                                                    | 79.25 | [3.120] | 20 | 2-644769-0 |
|                                                                    | 75.29 | [2.964] | 19 | 1-644769-9 |
|                                                                    | 71.32 | [2.808] | 18 | 1-644769-8 |
|                                                                    | 67.36 | [2.652] | 17 | 1-644769-7 |
|                                                                    | 63.40 | [2.496] | 16 | 1-644769-6 |
|                                                                    | 59.44 | [2.340] | 15 | 1-644769-5 |
|                                                                    | 55.47 | [2.184] | 14 | 1-644769-4 |
|                                                                    | 51.51 | [2.028] | 13 | 1-644769-3 |
|                                                                    | 47.55 | [1.872] | 12 | 1-644769-2 |
|                                                                    | 43.59 | [1.716] | 11 | 1-644769-1 |
|                                                                    | 39.62 | [1.560] | 10 | 1-644769-0 |
|                                                                    | 35.66 | [1.404] | 9  | 644769-9   |
|                                                                    | 31.70 | [1.248] | 8  | 644769-8   |
| NO.OF<br>POSN                                                      | 27.74 | [1.092] | 7  | 644769-7   |
|                                                                    | 23.77 | [.936]  | 6  | 644769-6   |
| ASSEMBLY                                                           | 19.81 | [.780]  | 5  | 644769-5   |
|                                                                    | 15.85 | [.624]  | 4  | 644769-4   |
|                                                                    | 11.89 | [.468]  | 3  | 644769-3   |
|                                                                    | 7.92  | [.312]  | 2  | 644769-2   |

- $\triangle 1$  POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
- $\triangle 2$  TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
- $\triangle 3$  MEASURED AT SURFACE  $\text{---A---}$
- $\triangle 4$  PLASTIC FLASH PERMITTED IN THIS AREA.
- 5 PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
- $\triangle 6$  ONE HOLE MAY BE UNDERSIZED 1.65/1.52 [.065/.060] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.
- $\triangle 7$  MATERIAL: HEADER-THERMOPLASTIC POLYESTER GLASS-FILLED 94V-0 (NATURAL) POST-COPPER ALLOY (SEE NOTES 13 & 14 FOR PLATING)
- $\triangle 8$  COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.
- 9 PLASTIC BURRS CAUSED BY CUT-OFF TOOLING ARE PERMITTED WITHIN THE MAXIMUM TOLERANCE ENVELOPE.
- $\triangle 10$  POST TO BE MEASURED WHEN STRIP IS HELD FLAT.
- $\triangle 11$  POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.
- $\triangle 12$  DIMENSION SHOULD BE 12.70-16.51 [.500-.650] MIN WHEN MATING WITH A MTA-156 CONNECTOR ASSEMBLY OR 12.70 [.500] MIN WHEN MATING WITH A SL-156 CONNECTOR ASSEMBLY.
- $\triangle 13$  PLATING: GOLD PLATE AREA, 0.00038 [.000015] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00030 [.000012] PALLADIUM NICKEL, ONLY IN FUNCTIONAL CONTACT AREA AND OTHER AREAS WITH OPTIMIZED THICKNESS PER TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.
- $\triangle 14$  PLATING: BRIGHT TIN/LEAD (93/7) PLATE AREA, 0.00381-0.00889 [.000150-.000350] THICK, ALL FOUR SIDES 4.45 [.175] MINIMUM FOR -2 THRU -24. MATTE TIN PLATE AREA 0.00381-0.00889 [.000150-.000350] THICK ALL FOUR SIDES, 4.45 [.175] FOR -32 THRU -54.
- $\triangle 15$  OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI