

D

C

B

A

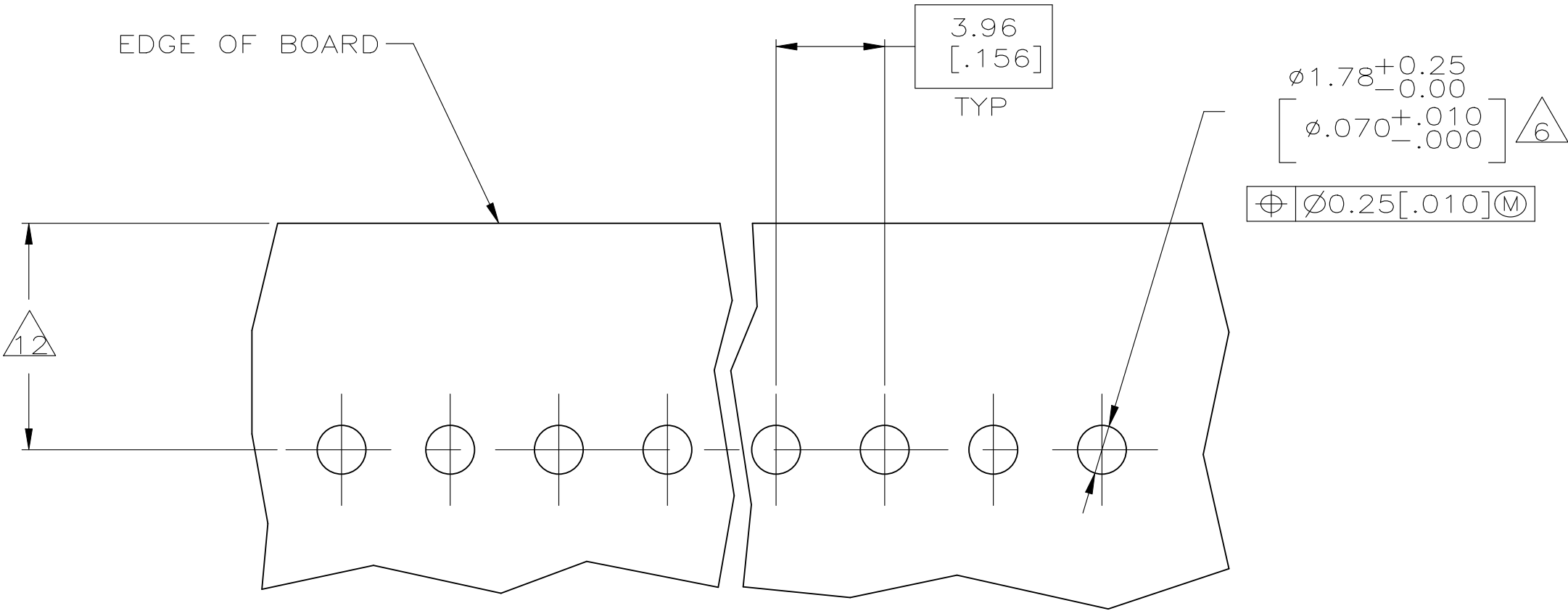
D

C

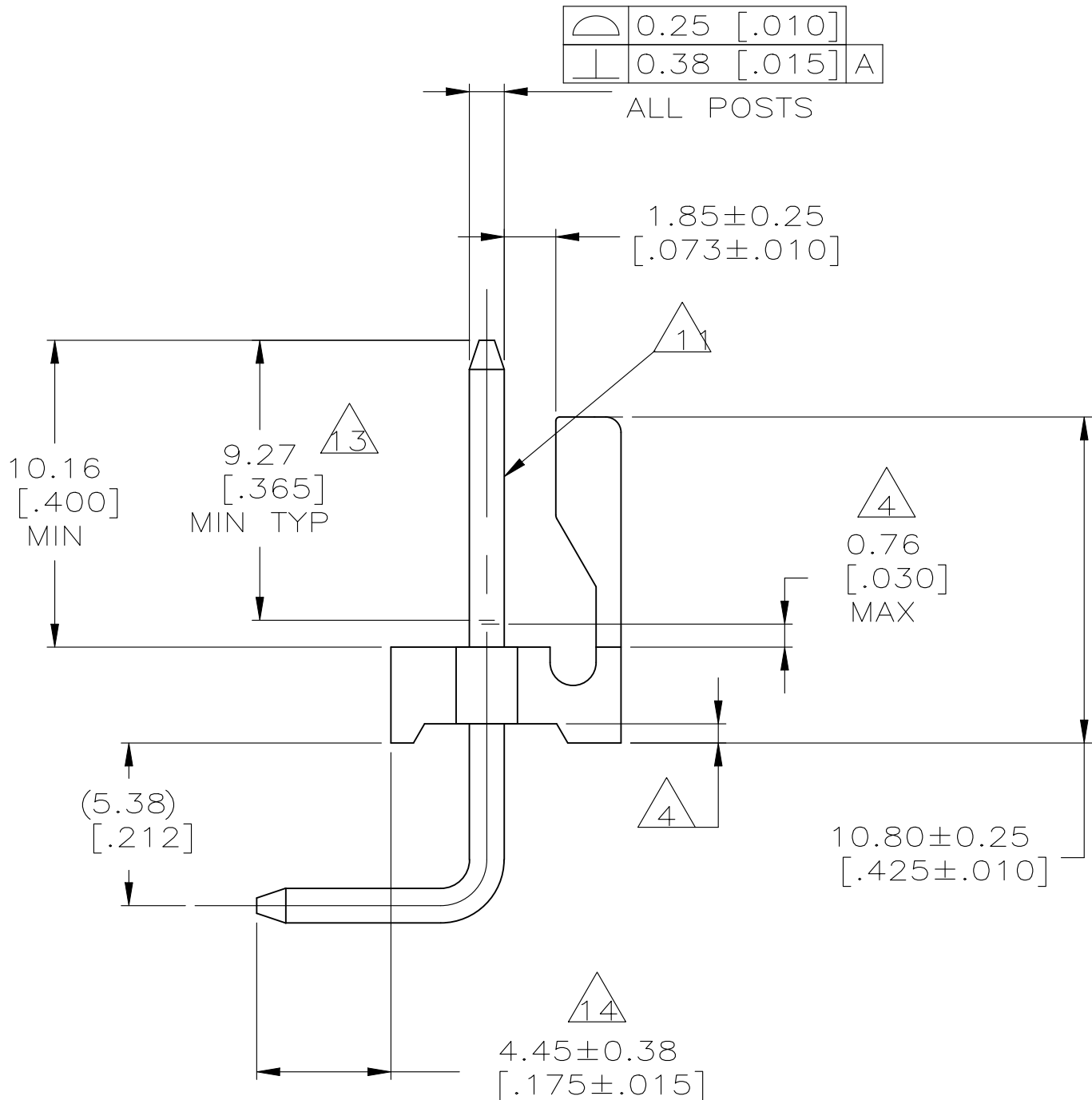
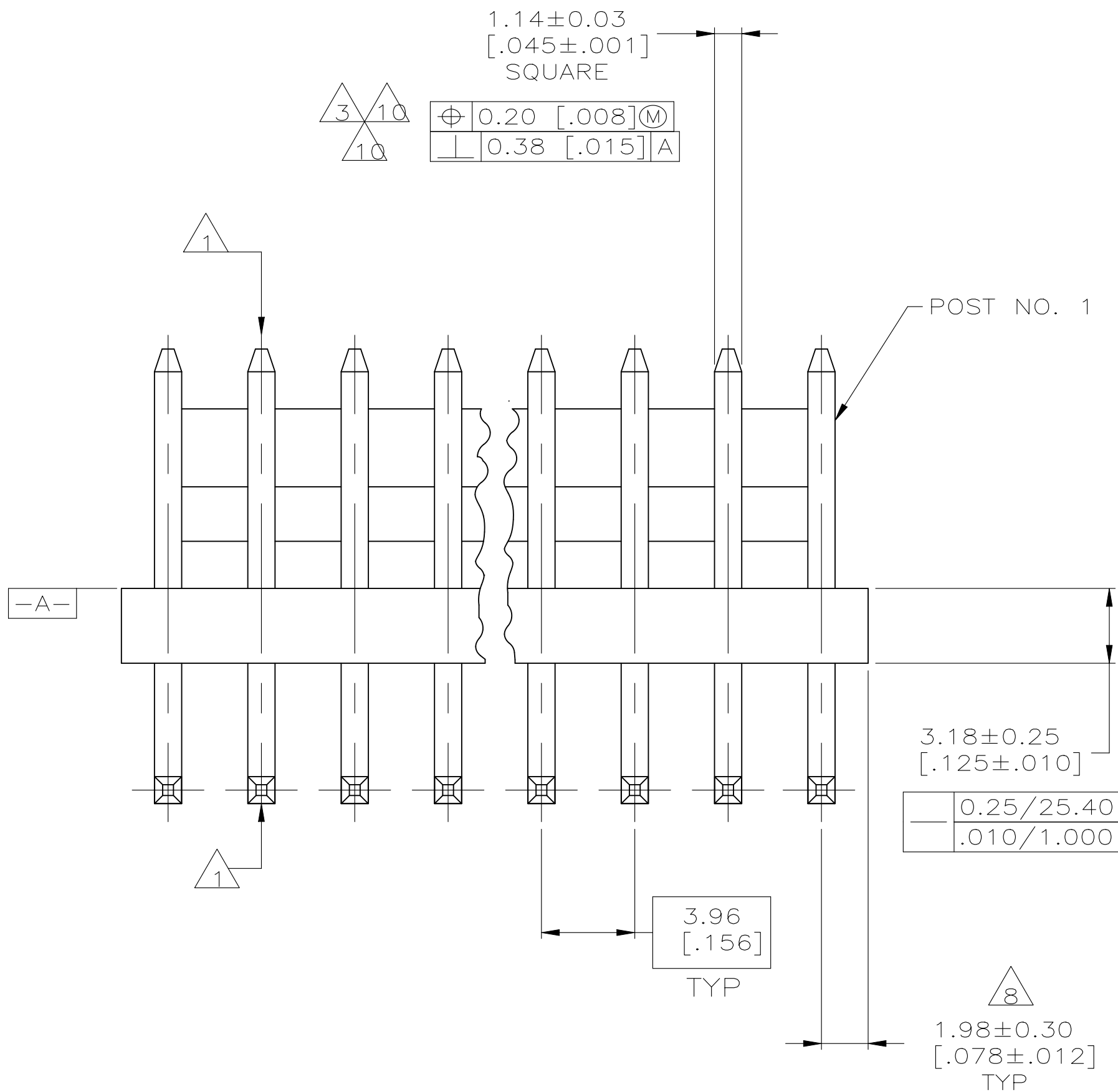
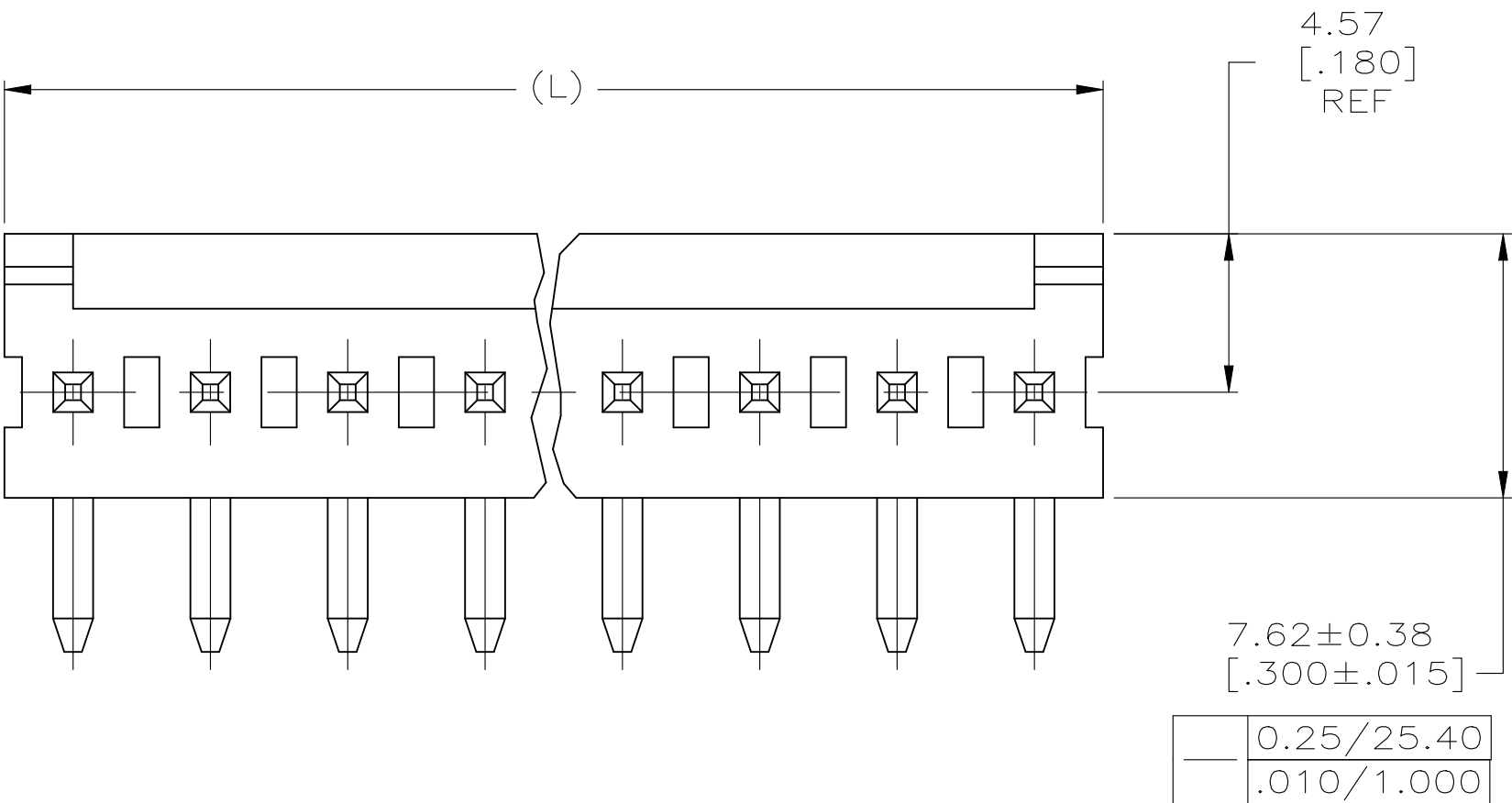
B

A

| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | H   | REVISED PER ECR 25-253172 | 13OCT2025 | CM  | AN   |
| G1        |     | ECR-12-016748             | 30AUG13   | M,T | D,Z  |



$\triangle G1$  RECOMMENDED MOUNTING HOLE PATTERN  
FOR .109±0.016 THICK P.C. BOARD  $\triangle 2$

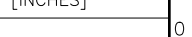


- $\triangle 1$  POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
- $\triangle 2$  TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
- $\triangle 3$  MEASURED AT SURFACE  $\triangle -A-$
- $\triangle 4$  PLASTIC FLASH PERMITTED IN THIS AREA.
- 5 PARTS COMPLY 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 8.26-10.16 [.325-.400] MIN WHEN MATING WITH A MTA-156 CONNECTOR ASSEMBLY OR 8.26-8.76 [.325-.345] 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

|           |       |            |          |            |
|-----------|-------|------------|----------|------------|
| LEAD FREE | 95.10 | [3.744]    | 24       | 5-644768-4 |
|           | 91.14 | [3.588]    | 23       | 5-644768-3 |
|           | 87.17 | [3.432]    | 22       | 5-644768-2 |
|           | 83.21 | [3.276]    | 21       | 5-644768-1 |
|           | 79.25 | [3.120]    | 20       | 5-644768-0 |
|           | 75.29 | [2.964]    | 19       | 4-644768-9 |
|           | 71.32 | [2.808]    | 18       | 4-644768-8 |
|           | 67.36 | [2.652]    | 17       | 4-644768-7 |
|           | 63.40 | [2.496]    | 16       | 4-644768-6 |
|           | 59.44 | [2.340]    | 15       | 4-644768-5 |
|           | 55.47 | [2.184]    | 14       | 4-644768-4 |
|           | 51.51 | [2.028]    | 13       | 4-644768-3 |
|           | 47.55 | [1.872]    | 12       | 4-644768-2 |
|           | 43.59 | [1.716]    | 11       | 4-644768-1 |
|           | 39.62 | [1.560]    | 10       | 4-644768-0 |
|           | 35.66 | [1.404]    | 9        | 3-644768-9 |
|           | 31.70 | [1.248]    | 8        | 3-644768-8 |
|           | 27.74 | [1.092]    | 7        | 3-644768-7 |
|           | 23.77 | [.936]     | 6        | 3-644768-6 |
|           | 19.81 | [.780]     | 5        | 3-644768-5 |
|           | 15.85 | [.624]     | 4        | 3-644768-4 |
|           | 11.89 | [.468]     | 3        | 3-644768-3 |
|           | 7.92  | [.312]     | 2        | 3-644768-2 |
| DIM (L)   |       | NO.OF POSN | ASSEMBLY |            |

|                             |       |            |          |            |
|-----------------------------|-------|------------|----------|------------|
| SUPERSEDED<br>CONTAINS LEAD | 95.10 | [3.744]    | 24       | 2-644768-4 |
|                             | 91.14 | [3.588]    | 23       | 2-644768-3 |
|                             | 87.17 | [3.432]    | 22       | 2-644768-2 |
|                             | 83.21 | [3.276]    | 21       | 2-644768-1 |
|                             | 79.25 | [3.120]    | 20       | 2-644768-0 |
|                             | 75.29 | [2.964]    | 19       | 1-644768-9 |
|                             | 71.32 | [2.808]    | 18       | 1-644768-8 |
|                             | 67.36 | [2.652]    | 17       | 1-644768-7 |
|                             | 63.40 | [2.496]    | 16       | 1-644768-6 |
|                             | 59.44 | [2.340]    | 15       | 1-644768-5 |
|                             | 55.47 | [2.184]    | 14       | 1-644768-4 |
|                             | 51.51 | [2.028]    | 13       | 1-644768-3 |
|                             | 47.55 | [1.872]    | 12       | 1-644768-2 |
|                             | 43.59 | [1.716]    | 11       | 1-644768-1 |
|                             | 39.62 | [1.560]    | 10       | 1-644768-0 |
|                             | 35.66 | [1.404]    | 9        | 644768-9   |
|                             | 31.70 | [1.248]    | 8        | 644768-8   |
|                             | 27.74 | [1.092]    | 7        | 644768-7   |
|                             | 23.77 | [.936]     | 6        | 644768-6   |
|                             | 19.81 | [.780]     | 5        | 644768-5   |
|                             | 15.85 | [.624]     | 4        | 644768-4   |
|                             | 11.89 | [.468]     | 3        | 644768-3   |
|                             | 7.92  | [.312]     | 2        | 644768-2   |
| DIM (L)                     |       | NO.OF POSN | ASSEMBLY |            |

METRIC

|                                                                                       |                                                                                       |                       |                                                                                                               |           |              |               |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------|-----------|--------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                       | DWN S. HOOVER 07NOV02 |  TE Connectivity         |           |              |               |
|                                                                                       |                                                                                       | CHK D. BOSSI 07NOV02  |                                                                                                               |           |              |               |
| DIMENSIONS: mm [INCHES]                                                               |                                                                                       | APVD D. BOSSI 07NOV02 | NAME MTA-156 HEADER ASSEMBLY, FRICTION LOCK, RIGHT ANGLE, FRONT BEND, .045 SQUARE POST, .000015 GOLD, SPECIAL |           |              |               |
|  | 0. PLC ± -                                                                            | PRODUCT SPEC          |                                                                                                               |           |              |               |
|                                                                                       | 1. PLC ± -                                                                            |                       |                                                                                                               |           |              |               |
|                                                                                       | 2. PLC ± 0.13[.005]                                                                   |                       |                                                                                                               |           |              |               |
|                                                                                       | 3. PLC ± -                                                                            |                       |                                                                                                               |           |              |               |
|                                                                                       | 4. PLC ± -                                                                            | APPLICATION SPEC      | SIZE                                                                                                          | CAGE CODE | DRAWING NO   | RESTRICTED TO |
| MATERIAL                                                                              | FINISH                                                                                | WEIGHT                | A1                                                                                                            | 00779     | C=644768     | -             |
|  |  | CUSTOMER DRAWING      | SCALE 5:1                                                                                                     |           | SHEET 1 OF 1 | REV H         |