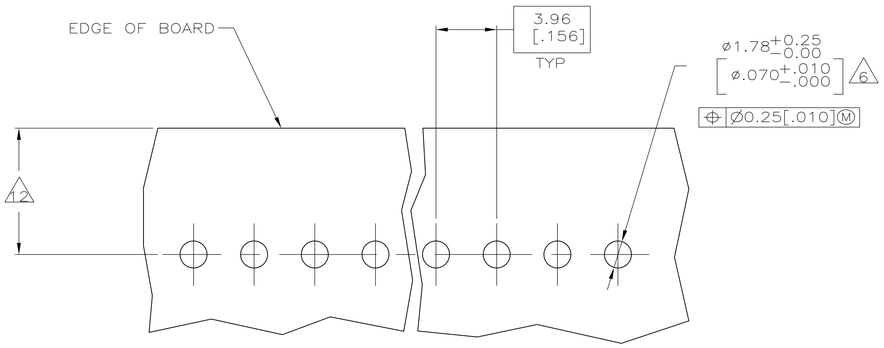
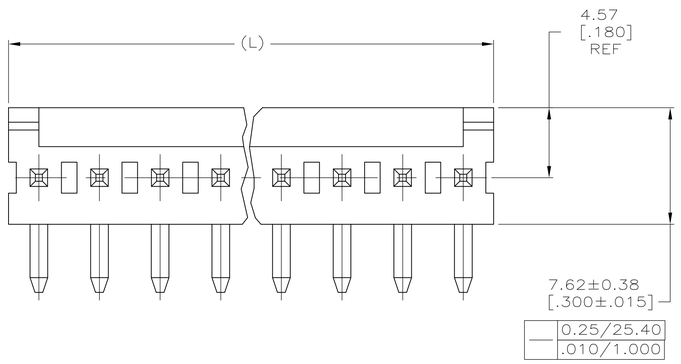
| LOC | DIST |
|---|---|
| CM | 00 |

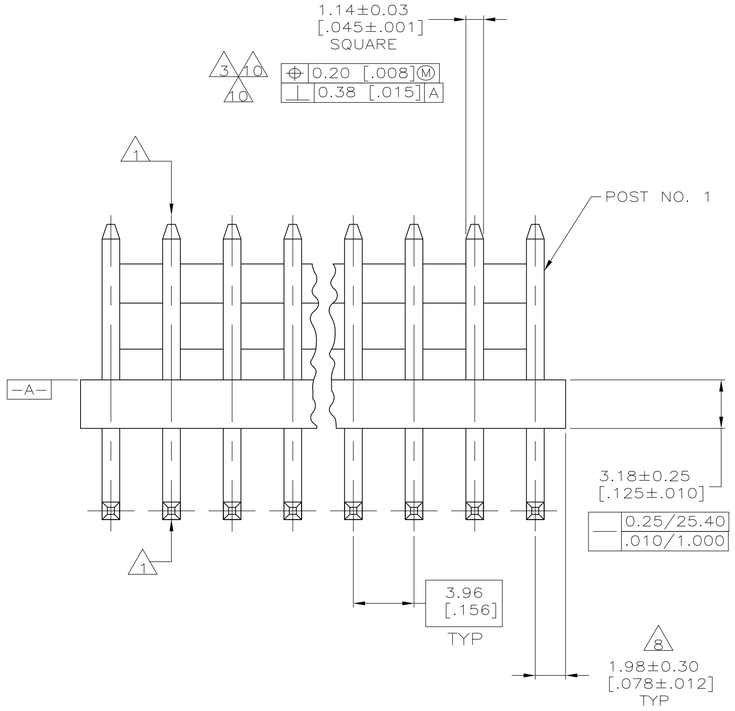
REVISIONS

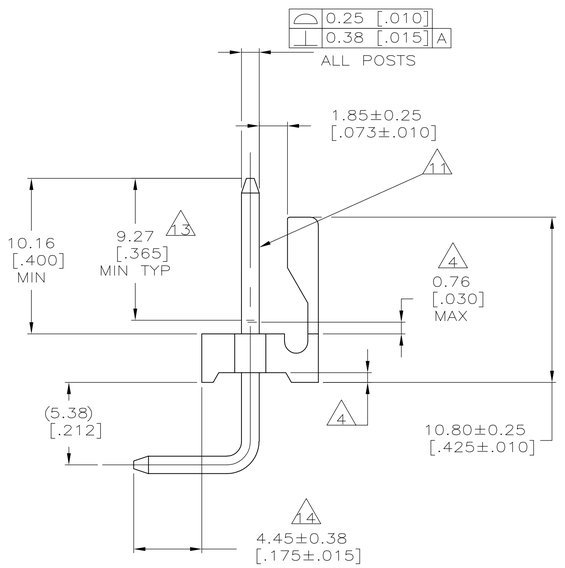
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | D | REVISED PER ECO-08-017243 | 14JUL08 | HMR | DB |




RECOMMENDED MOUNTING HOLE PATTERN
FOR 1.60 [.063] THICK P.C. BOARD 2




1 POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM 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 1.65/1.52 [.065/.060] DIA. FOR ASSEMBLY RETENTION DURING WAVE SOLDERING.

7 MATERIAL: HEADER-THERMOPLASTIC POLYESTER GLASS-FILLED 94V-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 POST TO BE MEASURED WHEN STRIP IS HELD FLAT.

11 POST MUST WITHSTAND TWO 90° BENDS AGAINST EXTRUSION WITHOUT BREAKING.

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.

13 PLATING: GOLD PLATE AREA, 0.00038 [.000015] MINIMUM, ALL SIDES, OVER NICKEL UNDERPLATE, 0.00127 [.000050] MINIMUM, ALL SIDES AND ENTIRE LENGTH OF POST.

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.

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

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.13[.005]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL 7 FINISH 7

| | | |
|---|---|---|
| DWN | S. HOOVER | 07NOV02 |
| CHK | D. BOSSI | 07NOV02 |
| APVD | D. BOSSI | 07NOV02 |
| PRODUCT SPEC | — | |
| APPLICATION SPEC | — | |
| WEIGHT | — | |

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: MTA-.156 HEADER ASSEMBLY, FRICTION LOCK, RIGHT ANGLE, FRONT BEND, .045 SQUARE POST, .000015 GOLD, SPECIAL

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-644768 | — |

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV D