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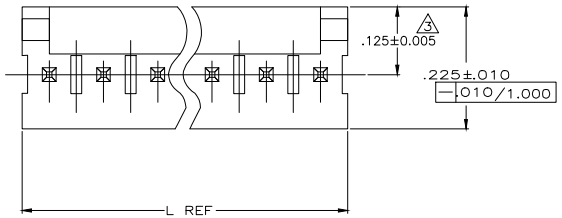
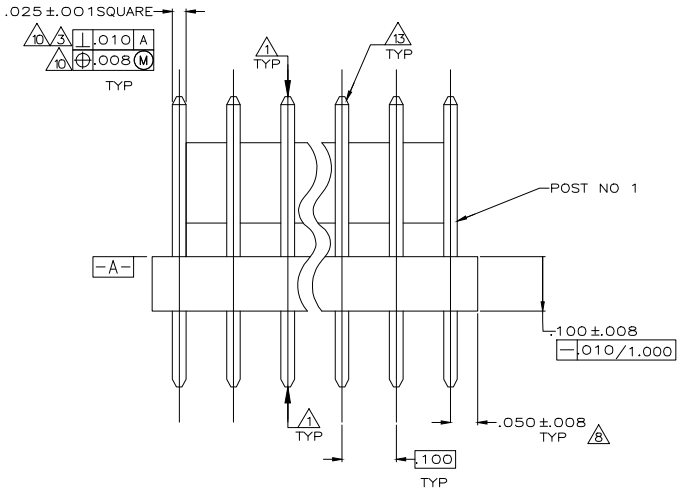
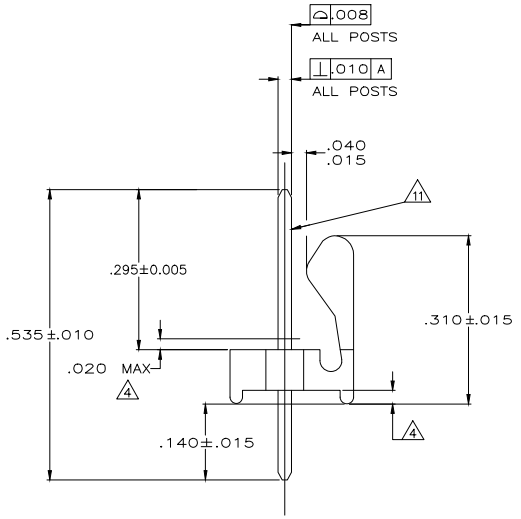
| LOC | DIST |
|---|---|
| CM | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | W2 | REVISED PER ECO-14-011424 | 23SEP14 | MGM | CO |

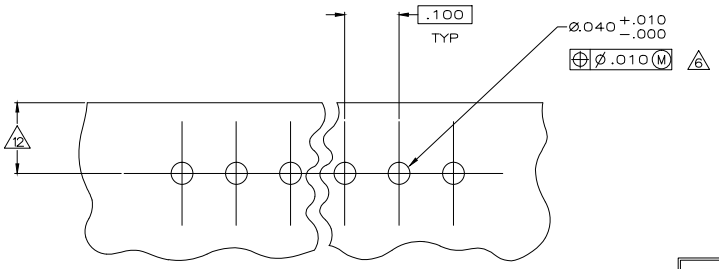



1. POST TO WITHSTAND 13 NEWTONS (3 LBS) MIN. AXIAL FORCE IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.
2. TOLERANCES APPLY TO SOLDER SIDE OF BOARD.
3. MEASURED AT SURFACE -A-
4. PLASTIC FLASH PERMITTED IN THIS AREA.
5. PARTS COMPLY WITH AMP SOLDERABILITY SPEC. NO. 109-11-2.
6. ONE HOLE MAY BE UNDERSIZED(.032-.035 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.

| | | 1.000 | 25.40 |
|---|---|---|---|
| .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 | .140 | 3.56 |
| .010 | 0.25 | .130 | 3.30 |
| .008 | 0.20 | .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 | | | |




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

| L | | NO OF POSITIONS | PART NUMBER |
|---|---|---|---|
| IN | MM | | |
| 2.800 | 71.12 | 28 | 2-640456-8 |
| 2.700 | 68.58 | 27 | 2-640456-7 |
| 2.600 | 66.04 | 26 | 2-640456-6 |
| 2.500 | 63.50 | 25 | 2-640456-5 |
| 2.400 | 60.96 | 24 | 2-640456-4 |
| 2.300 | 58.42 | 23 | 2-640456-3 |
| 2.200 | 55.88 | 22 | 2-640456-2 |
| 2.100 | 53.34 | 21 | 2-640456-1 |
| 2.000 | 50.80 | 20 | 2-640456-0 |
| 1.900 | 48.26 | 19 | 1-640456-9 |
| 1.800 | 45.72 | 18 | 1-640456-8 |
| 1.700 | 43.18 | 17 | 1-640456-7 |
| 1.600 | 40.64 | 16 | 1-640456-6 |
| 1.500 | 38.10 | 15 | 1-640456-5 |
| 1.400 | 35.56 | 14 | 1-640456-4 |
| 1.300 | 33.02 | 13 | 1-640456-3 |
| 1.200 | 30.48 | 12 | 1-640456-2 |
| 1.100 | 27.94 | 11 | 1-640456-1 |
| 1.000 | 25.40 | 10 | 1-640456-0 |
| .900 | 22.86 | 9 | 640456-9 |
| .800 | 20.32 | 8 | 640456-8 |
| .700 | 17.78 | 7 | 640456-7 |
| .600 | 15.24 | 6 | 640456-6 |
| .500 | 12.70 | 5 | 640456-5 |
| .400 | 10.16 | 4 | 640456-4 |
| .300 | 7.62 | 3 | 640456-3 |
| .200 | 5.08 | 2 | 640456-2 |

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± -, 1 PLC ± -, 2 PLC ± -, 3 PLC ± .005, 4 PLC ± -, ANGLES ± 0°30'

MATERIAL 7 FINISH 7

DWN K. WHITAKER 11JUN2004
CHK D. BOSSI 11JUN04
APVD D. BOSSI 11JUN04
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME MTA-100 HEADER ASSEMBLY, POLARIZED, NOTCHED, .025 SQUARE STRAIGHT POST, TIN PLATED

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-640456 | RESTRICTED TO —

CUSTOMER DRAWING | SCALE 8:1 | SHEET 1 OF 1 | REV W2