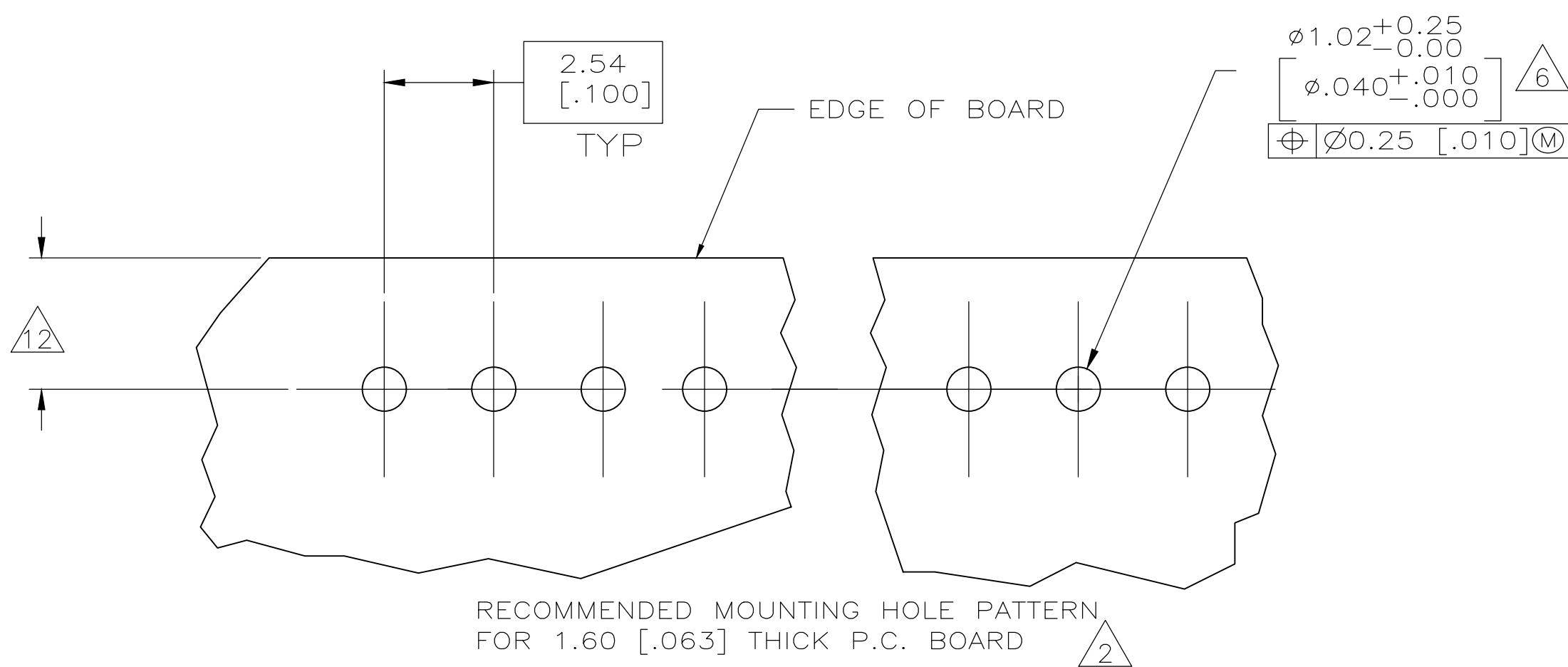




1 POST TO WITHSTAND 13 NEWTONS (3 LBS) MINIMUM AXIAL FORCE  
IN BOTH DIRECTIONS SHOWN WITHOUT DISLODGING.

2 TOLERANCES APPLY TO SOLDER SIDE OF BOARD.

3 MEASURED AT -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 0.81-0.89 [.032-.035] DIA. FOR  
ASSEMBLY RETENTION ADURING WAVE SOLDERING.

7 MATERIAL: HEADER-THERMOPLASTIC POLYESTER  
94V-0 (NATURAL)  
POST-COPPER ALLOY  
FINISH-USE PLATING NOTES 13 & 14 FOR -2 THRU -28  
AND NOTES 13 & 15 FOR -32 THRU -58

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

12 DIMENSION SHOULD BE 2.79-4.06 [.110-.160] MIN WHEN MATING  
WITH A MTA-100 CONNECTOR ASSEMBLY OR 2.79-3.05 [.110-.120]  
WHEN MATING WITH A CST-100 CONNECTOR ASSEMBLY.

13 PLATING: GOLD PLATE AREA, 0.00038[.000015] GOLD OR 0.00008[.000003] MIN  
GOLD FLASH OVER 0.00030 [.000012] PALLADIUM NICKEL, PER  
TE CONNECTIVITY'S DISCRETION, ALL SIDES, OVER NICKEL UNDERPLATE,  
0.00127 [.000050] MIN, ALL SIDES AND ENTIRE LENGTH OF POST.

14 PLATING: MATTE TIN PLATE AREA,  
0.00381-0.00889[.000150-.000350] THICK, ALL FOUR SIDES  
3.56 [.140] MINIMUM.

15 PLATING: MATTE TIN PLATE AREA,  
0.00381-0.00889[.000150-.000350] THICK, ALL FOUR SIDES  
3.56 [.140] MINIMUM.

16 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

|           |         |         |            |            |            |                                                                                                                                                                                |       |            |    |            |
|-----------|---------|---------|------------|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|----|------------|
| LEAD FREE | 71.12   | [2.800] | 28         | 5-641125-8 | SUPERSEDED | <br> | 71.12 | [2.800]    | 28 | 2-641125-8 |
|           | 68.58   | [2.700] | 27         | 5-641125-7 |            |                                                                                                                                                                                | 68.58 | [2.700]    | 27 | 2-641125-7 |
|           | 66.04   | [2.600] | 26         | 5-641125-6 | 66.04      | [2.600]                                                                                                                                                                        | 26    | 2-641125-6 |    |            |
|           | 63.50   | [2.500] | 25         | 5-641125-5 | 63.50      | [2.500]                                                                                                                                                                        | 25    | 2-641125-5 |    |            |
|           | 60.96   | [2.400] | 24         | 5-641125-4 | 60.96      | [2.400]                                                                                                                                                                        | 24    | 2-641125-4 |    |            |
|           | 58.42   | [2.300] | 23         | 5-641125-3 | 58.42      | [2.300]                                                                                                                                                                        | 23    | 2-641125-3 |    |            |
|           | 55.88   | [2.200] | 22         | 5-641125-2 | 55.88      | [2.200]                                                                                                                                                                        | 22    | 2-641125-2 |    |            |
|           | 53.34   | [2.100] | 21         | 5-641125-1 | 53.34      | [2.100]                                                                                                                                                                        | 21    | 2-641125-1 |    |            |
|           | 50.80   | [2.000] | 20         | 5-641125-0 | 50.80      | [2.000]                                                                                                                                                                        | 20    | 2-641125-0 |    |            |
|           | 48.26   | [1.900] | 19         | 4-641125-9 | 48.26      | [1.900]                                                                                                                                                                        | 19    | 1-641125-9 |    |            |
|           | 45.72   | [1.800] | 18         | 4-641125-8 | 45.72      | [1.800]                                                                                                                                                                        | 18    | 1-641125-8 |    |            |
|           | 43.18   | [1.700] | 17         | 4-641125-7 | 43.18      | [1.700]                                                                                                                                                                        | 17    | 1-641125-7 |    |            |
|           | 40.64   | [1.600] | 16         | 4-641125-6 | 40.64      | [1.600]                                                                                                                                                                        | 16    | 1-641125-6 |    |            |
|           | 38.10   | [1.500] | 15         | 4-641125-5 | 38.10      | [1.500]                                                                                                                                                                        | 15    | 1-641125-5 |    |            |
|           | 35.56   | [1.400] | 14         | 4-641125-4 | 35.56      | [1.400]                                                                                                                                                                        | 14    | 1-641125-4 |    |            |
|           | 33.02   | [1.300] | 13         | 4-641125-3 | 33.02      | [1.300]                                                                                                                                                                        | 13    | 1-641125-3 |    |            |
|           | 30.48   | [1.200] | 12         | 4-641125-2 | 30.48      | [1.200]                                                                                                                                                                        | 12    | 1-641125-2 |    |            |
|           | 27.94   | [1.100] | 11         | 4-641125-1 | 27.94      | [1.100]                                                                                                                                                                        | 11    | 1-641125-1 |    |            |
|           | 25.40   | [1.000] | 10         | 4-641125-0 | 25.40      | [1.000]                                                                                                                                                                        | 10    | 1-641125-0 |    |            |
|           | 22.86   | [.900]  | 9          | 3-641125-9 | 22.86      | [.900]                                                                                                                                                                         | 9     | 641125-9   |    |            |
|           | 20.32   | [.800]  | 8          | 3-641125-8 | 20.32      | [.800]                                                                                                                                                                         | 8     | 641125-8   |    |            |
|           | 17.78   | [.700]  | 7          | 3-641125-7 | 17.78      | [.700]                                                                                                                                                                         | 7     | 641125-7   |    |            |
|           | 15.24   | [.600]  | 6          | 3-641125-6 | 15.24      | [.600]                                                                                                                                                                         | 6     | 641125-6   |    |            |
|           | 12.70   | [.500]  | 5          | 3-641125-5 | 12.70      | [.500]                                                                                                                                                                         | 5     | 641125-5   |    |            |
|           | 10.16   | [.400]  | 4          | 3-641125-4 | 10.16      | [.400]                                                                                                                                                                         | 4     | 641125-4   |    |            |
|           | 7.62    | [.300]  | 3          | 3-641125-3 | 7.62       | [.300]                                                                                                                                                                         | 3     | 641125-3   |    |            |
|           | 5.08    | [.200]  | 2          | 3-641125-2 | 5.08       | [.200]                                                                                                                                                                         | 2     | 641125-2   |    |            |
|           | DIM (L) |         | NO.OF POSN | ASSEMBLY   |            |                                                                                                                                                                                |       |            |    |            |

|               |         |         |            |            |
|---------------|---------|---------|------------|------------|
| CONTAINS LEAD | 71.12   | [2.800] | 28         | 2-641125-8 |
|               | 68.58   | [2.700] | 27         | 2-641125-7 |
|               | 66.04   | [2.600] | 26         | 2-641125-6 |
|               | 63.50   | [2.500] | 25         | 2-641125-5 |
|               | 60.96   | [2.400] | 24         | 2-641125-4 |
|               | 58.42   | [2.300] | 23         | 2-641125-3 |
|               | 55.88   | [2.200] | 22         | 2-641125-2 |
|               | 53.34   | [2.100] | 21         | 2-641125-1 |
|               | 50.80   | [2.000] | 20         | 2-641125-0 |
|               | 48.26   | [1.900] | 19         | 1-641125-9 |
|               | 45.72   | [1.800] | 18         | 1-641125-8 |
|               | 43.18   | [1.700] | 17         | 1-641125-7 |
|               | 40.64   | [1.600] | 16         | 1-641125-6 |
|               | 38.10   | [1.500] | 15         | 1-641125-5 |
|               | 35.56   | [1.400] | 14         | 1-641125-4 |
|               | 33.02   | [1.300] | 13         | 1-641125-3 |
|               | 30.48   | [1.200] | 12         | 1-641125-2 |
|               | 27.94   | [1.100] | 11         | 1-641125-1 |
|               | 25.40   | [1.000] | 10         | 1-641125-0 |
|               | 22.86   | [.900]  | 9          | 641125-9   |
|               | 20.32   | [.800]  | 8          | 641125-8   |
|               | 17.78   | [.700]  | 7          | 641125-7   |
|               | 15.24   | [.600]  | 6          | 641125-6   |
|               | 12.70   | [.500]  | 5          | 641125-5   |
|               | 10.16   | [.400]  | 4          | 641125-4   |
|               | 7.62    | [.300]  | 3          | 641125-3   |
|               | 5.08    | [.200]  | 2          | 641125-2   |
|               | DIM (L) |         | NO.OF POSN | ASSEMBLY   |

|                                                                                                                                                                       |  |                                                                                                |  |                                                                                                       |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                                                                                |  | DWG. 26-JAN-2005<br>DESIGNED BY: S. HOOVER<br>CHKD. D. BOSSI<br>26-JAN-2005<br>APP'D. D. BOSSI |  |  TE Connectivity |               |
| DIMENSIONS:<br>mm [INCHES]                                                                                                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                      |  | NAME                                                                                                  |               |
| <br>0 PLC ±<br>1 PLC ±<br>2 PLC ± 0.13 [ .005]<br>3 PLC ±<br>4 PLC ±<br>ANGLES ± |  | PRODUCT SPEC<br>APPLICATION SPEC                                                               |  | MTA-100 HEADER ASSEMBLY, POLARIZED<br>RIGHT ANGLE, .025 SQUARE POST,<br>.000015 GOLD PLATED           |               |
| MATERIAL                                                                                                                                                              |  | WEIGHT                                                                                         |  | SIZE                                                                                                  | CAGE CODE     |
|                                                                                  |  |           |  | DRAWING NO                                                                                            | RESTRICTED TO |
| CUSTOMER DRAWING                                                                                                                                                      |  | CUSTOMER DRAWING                                                                               |  | A1 00779 © 641125                                                                                     |               |
|                                                                                                                                                                       |  |                                                                                                |  | SCALE                                                                                                 | SHEET         |
|                                                                                                                                                                       |  |                                                                                                |  | 8:1                                                                                                   | 1 of 1        |
|                                                                                                                                                                       |  |                                                                                                |  |                                                                                                       | REV V3        |