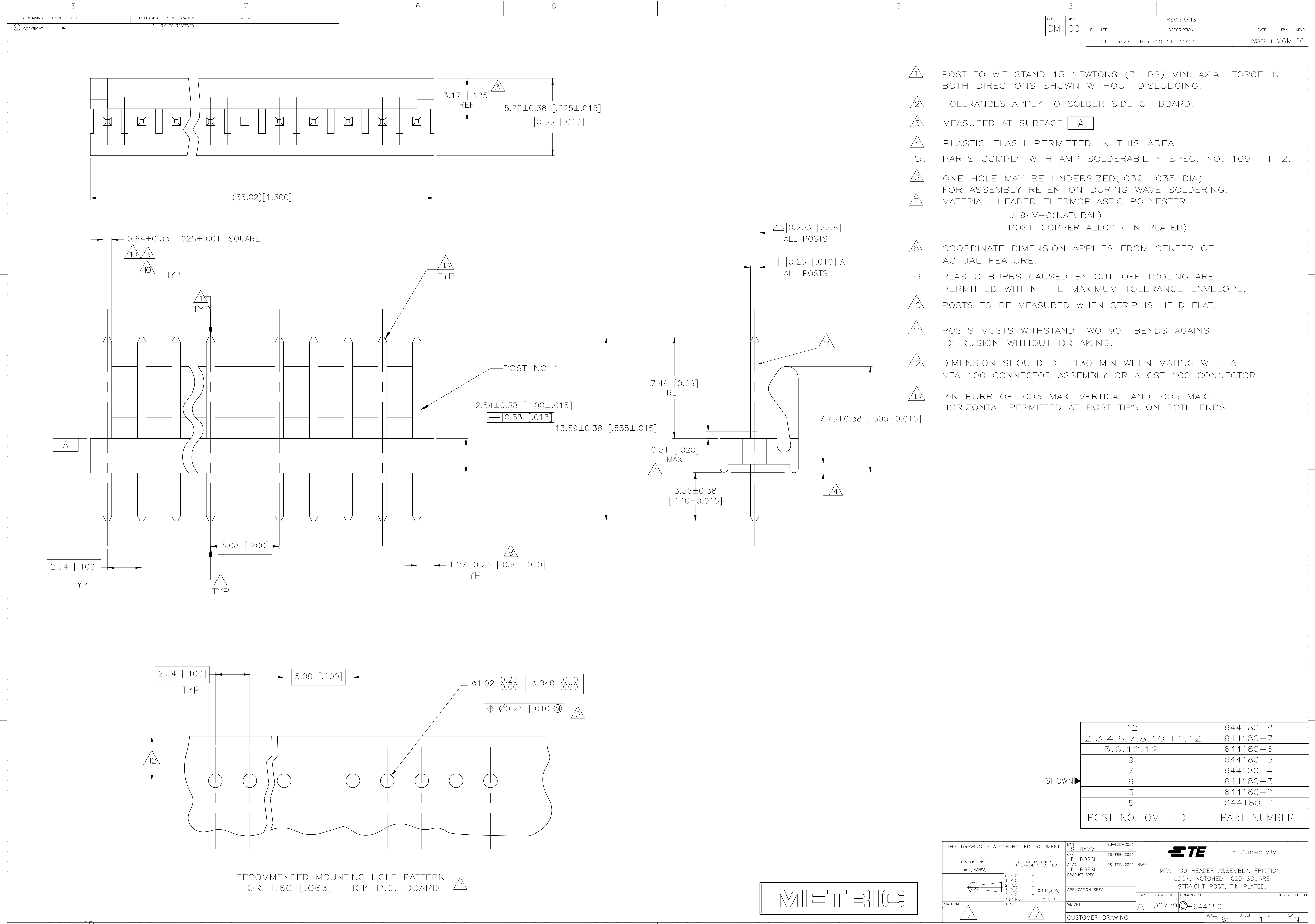




| LOC |  | DIST                      |  | REVISONS |      |     |      |
|-----|--|---------------------------|--|----------|------|-----|------|
| CM  |  | 00                        |  | REV      | DATE | BY  | APPD |
| N1  |  | REVISED PER ECO-14-011424 |  | 23SEP14  |      | MGM | CO   |

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.

|                      |             |
|----------------------|-------------|
| 12                   | 644180-8    |
| 2,3,4,6,7,8,10,11,12 | 644180-7    |
| 3,6,10,12            | 644180-6    |
| 9                    | 644180-5    |
| 7                    | 644180-4    |
| 6                    | 644180-3    |
| 3                    | 644180-2    |
| 5                    | 644180-1    |
| POST NO. OMITTED     | PART NUMBER |

|                                        |  |                                        |             |                                                                                         |  |
|----------------------------------------|--|----------------------------------------|-------------|-----------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>S. HAMM                         | 28-FEB-2001 | TE Connectivity                                                                         |  |
|                                        |  | CHK<br>D. BOSSI                        | 28-FEB-2001 |                                                                                         |  |
| DIMENSIONS:<br>mm [INCHES]             |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |             | NAME                                                                                    |  |
|                                        |  | 0.13 [0.005]                           |             | MTA-100 HEADER ASSEMBLY, FRICTION LOCK, NOTCHED, .025 SQUARE STRAIGHT POST, TIN PLATED, |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | SIZE                                                                                    |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | CAGE CODE                                                                               |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | DRAWING NO                                                                              |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | RESTRICTED TO                                                                           |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | 644180                                                                                  |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | CUSTOMER DRAWING                                                                        |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | SCALE 8:1                                                                               |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | SHEET 1 OF 1                                                                            |  |
|                                        |  | APPROVAL<br>D. BOSSI                   |             | REV N1                                                                                  |  |