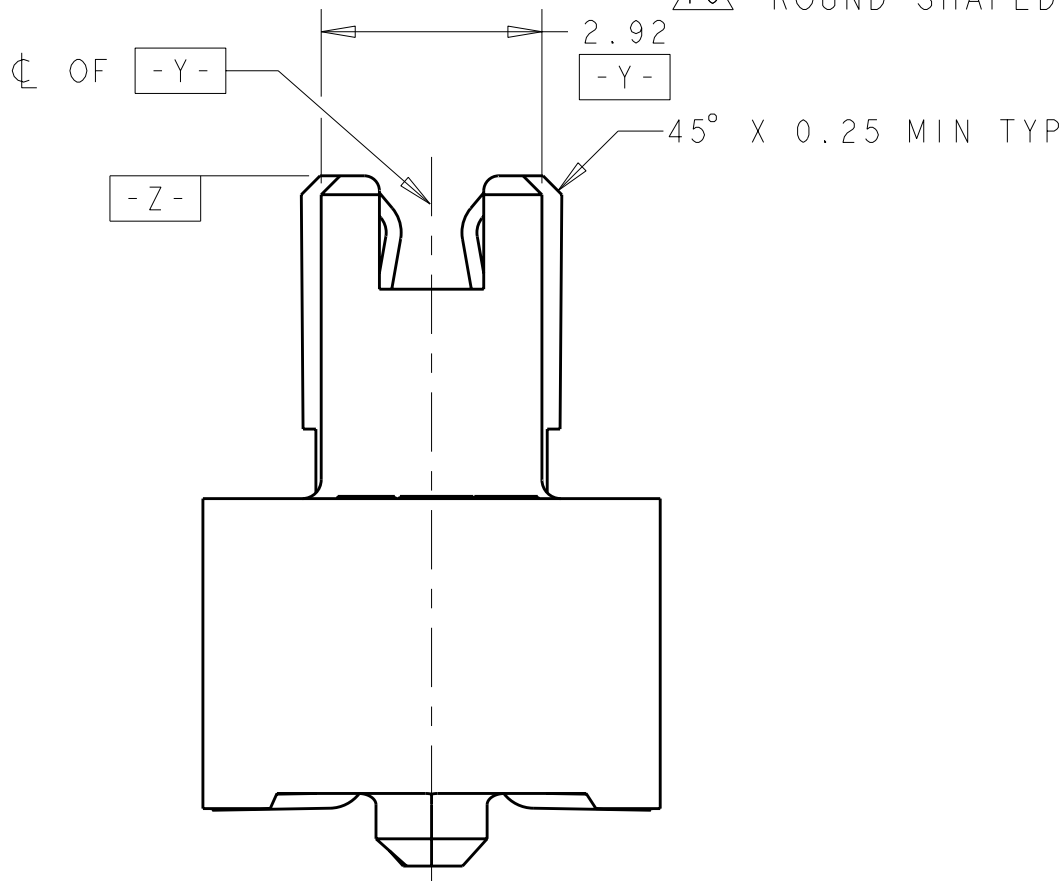
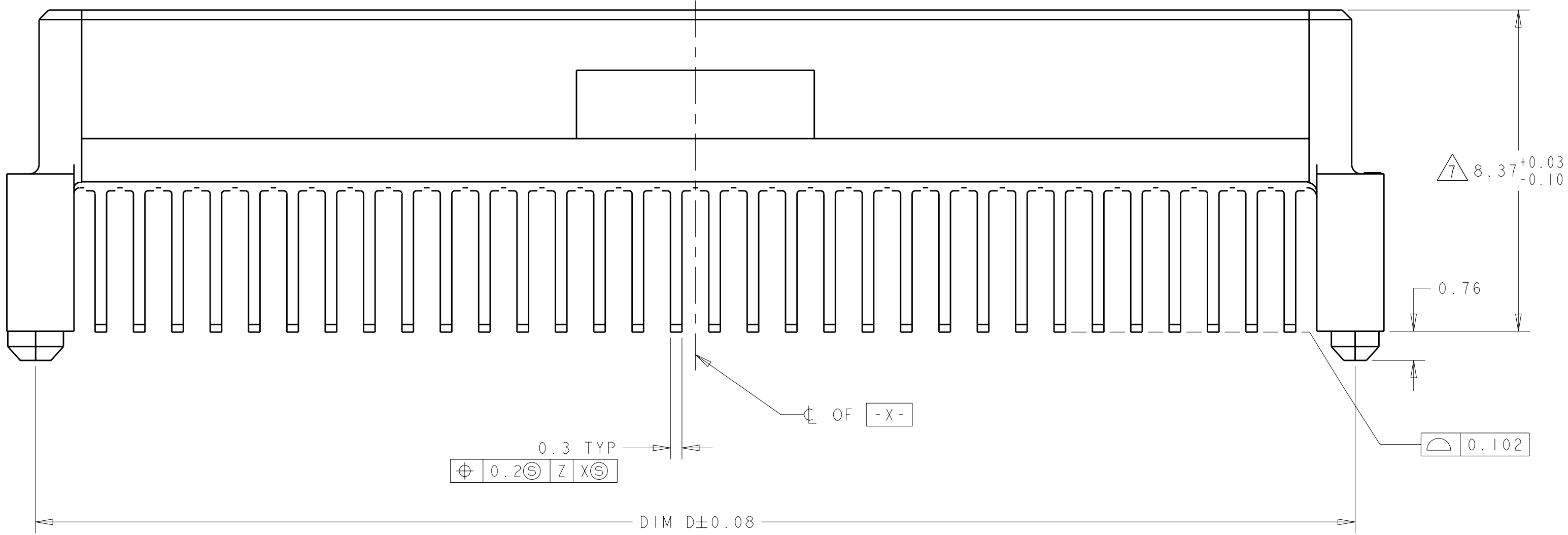
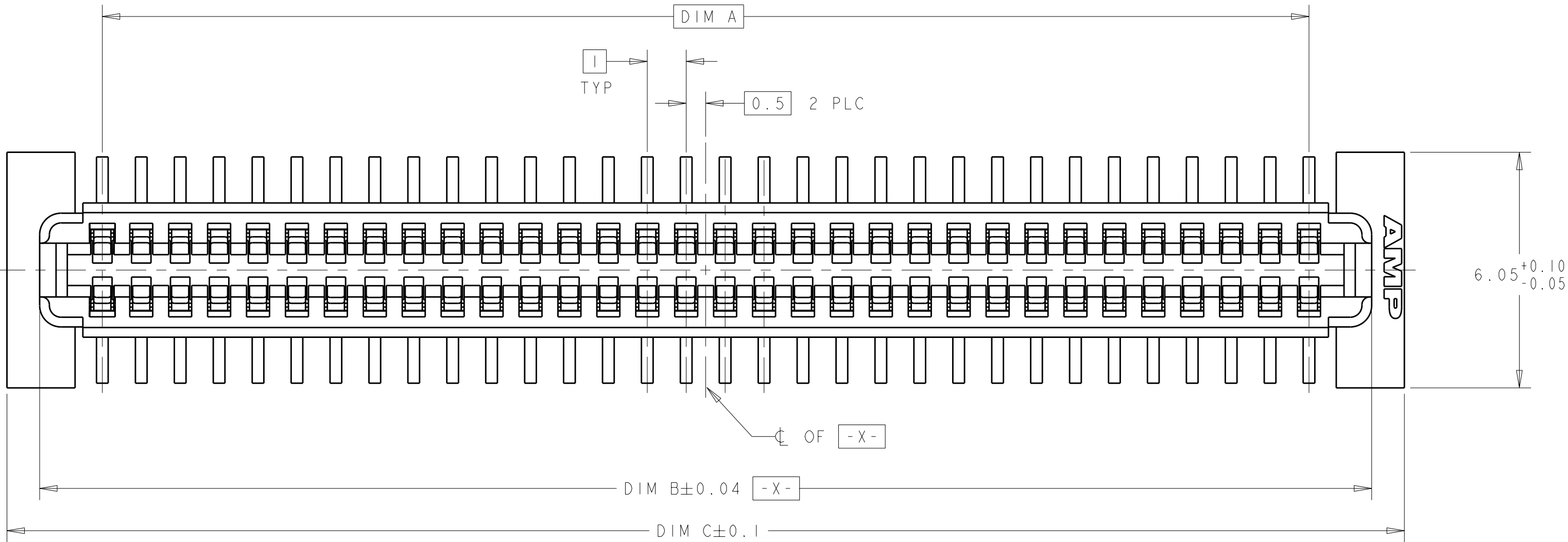
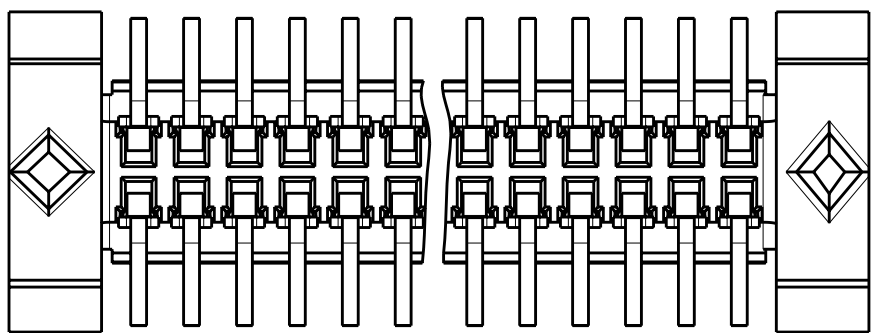


| LOC |  | DIST |  | REVISIONS |     |                           |           |     |      |  |
|-----|--|------|--|-----------|-----|---------------------------|-----------|-----|------|--|
| AD  |  | 00   |  | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |  |
|     |  |      |  | 0         |     | REV PER EC 0512-0235-04   | 29SEP2004 | BC  | RW   |  |
|     |  |      |  | A         |     | REVISED PER ECO-08-008615 | 10JUL2008 | DH  | DB   |  |
|     |  |      |  | A1        |     | REV PER ECO-09-018460     | 11SEP2009 | AEG | HM   |  |
|     |  |      |  |           |     |                           |           |     |      |  |

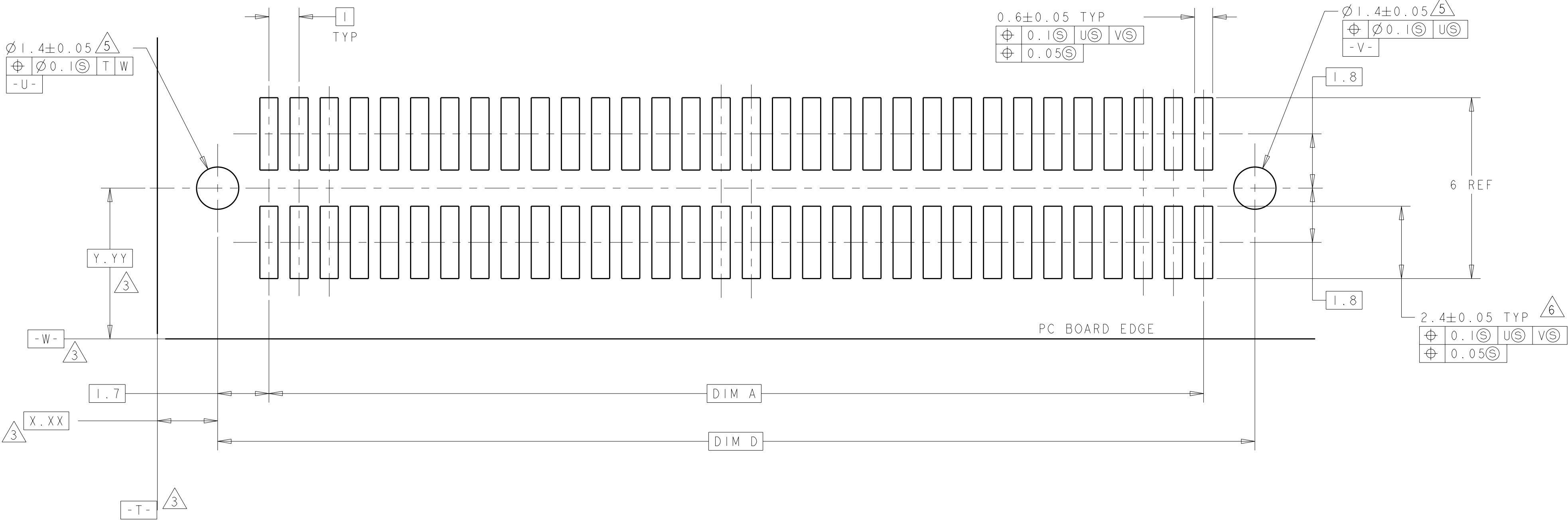
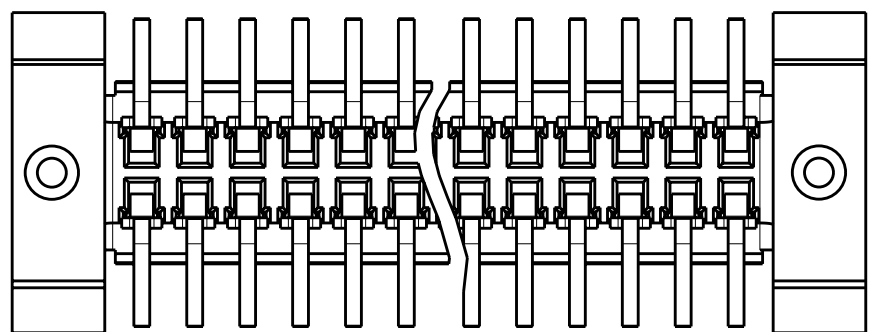
1. HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC, COLOR; BLACK.  
CONTACT MATERIAL: PHOSPHOR BRONZE.
2. CONTACT FINISH: NICKEL UNDERPLATE ALL OVER, MATING SURFACES  
PLATED TO MEET PLT PERFORMANCE REQUIREMENTS OF INDUSTRY  
SPECIFICATION EIA-700AAAB, SOLDER TAILS PLATED TIN.
3. DATUM LOCATIONS AND BASIC DIMENSIONS TO BE ESTABLISHED BY THE  
CUSTOMER. CONSULT AMP ENGINEERING WHEN PLACING MULTIPLE  
CONNECTORS ON A PC BOARD.
4. PACKAGED IN TAPE ON REEL PER EIA-481.
5. 1.5 MIN DIAMETER HOLE SHOULD BE USED IF USING POST STYLE "A" AND PLACING  
ON PCB WITH VACUUM PLACEMENT EQUIPMENT.
6. SHORTER SOLDER LANDS MAY BE USED PER EIA 700AAAB, HOWEVER 2.4  
LENGTH ASSURES OPTIMUM SOLDER FILLET REGARDLESS OF MANUFACTURER  
OF CONNECTOR.
7. REFERRED TO AS DIM H = 8.3±0.1 IN EIA 700AAAB SPECIFICATION.
8. CONTACT FINISH: 0.00381 MINIMUM MATTE TIN PER ASTM B 545  
ON SOLDER AREA, 0.00127 MINIMUM GOLD PER ASTM B 488 ON MATING AREA,  
BOTH OVER 0.00127 MINIMUM NICKEL PER SAE-AMS-QQ-N-290 ON ENTIRE CONTACT.
9. SQUARE AND DIAMOND SHAPED POSTS
10. ROUND SHAPED POSTS



STYLE A POSTS



STYLE B POSTS



RECOMMENDED PC BOARD LAYOUT

|            |        |       |       |       |       |            |     |         |             |
|------------|--------|-------|-------|-------|-------|------------|-----|---------|-------------|
| 10         | 10     | 8     | 44.4  | 45.9  | 44.22 | 41         | 13  | 84      | 3-5120523-2 |
| 10         | 10     | 8     | 34.4  | 35.9  | 34.22 | 31         | 13  | 64      | 3-5120523-1 |
| 10         | 10     | 2     | 44.4  | 45.9  | 44.22 | 41         | 13  | 84      | 2-5120523-2 |
| 10         | 10     | 2     | 34.4  | 35.9  | 34.22 | 31         | 13  | 64      | 2-5120523-1 |
| 9          | 9      | 8     | 44.4  | 45.9  | 44.22 | 41         | 13  | 84      | 1-5120523-2 |
| 9          | 9      | 8     | 34.4  | 35.9  | 34.22 | 31         | 13  | 64      | 1-5120523-1 |
| 9          | 9      | 2     | 44.4  | 45.9  | 44.22 | 41         | 13  | 84      | 5120523-2   |
| 9          | 9      | 2     | 34.4  | 35.9  | 34.22 | 31         | 13  | 64      | 5120523-1   |
| POST STYLE | FINISH | DIM D | DIM C | DIM B | DIM A | STACK HGTS | POS | PART NO |             |

|                                                                                                                                          |  |                               |         |                                                           |  |
|------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|---------|-----------------------------------------------------------|--|
| TYP: IS DRAWN TO 1.5 CHARACTERS TOLERANCE FOR THE ENTIRE DRAWING UNLESS OTHERWISE SPECIFIED. SHOULD BE CONTACTED FOR THE LATEST EDITION. |  | DWN<br>B. CARBO               | 29SEP04 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm                                                                                                                        |  | CHK<br>R. WERTZ               | 29SEP04 |                                                           |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>9 PLC ±<br>2 PLC ±0.03<br>3 PLC ±0.003<br>4 PLC ±<br>ANGLES ±0°30'                             |  | APVD<br>R. WERTZ              | 29SEP04 | NAME                                                      |  |
| MATERIAL                                                                                                                                 |  | PRODUCT SPEC<br>502-1079      |         | RCPT ASSY, 1.0mm FH(IEEE1386)<br>CONNECTOR                |  |
| FINISH<br>SEE TABLE                                                                                                                      |  | APPLICATION SPEC<br>114-25045 |         | SIZE CAGE CODE DRAWING NO<br>A1 00779 C=5120523           |  |
| CUSTOMER DRAWING                                                                                                                         |  | WEIGHT<br>-                   |         | RESTRICTED TO<br>-                                        |  |
| SCALE 10:1                                                                                                                               |  | SHEET 1 OF 1                  |         | REV A1                                                    |  |

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