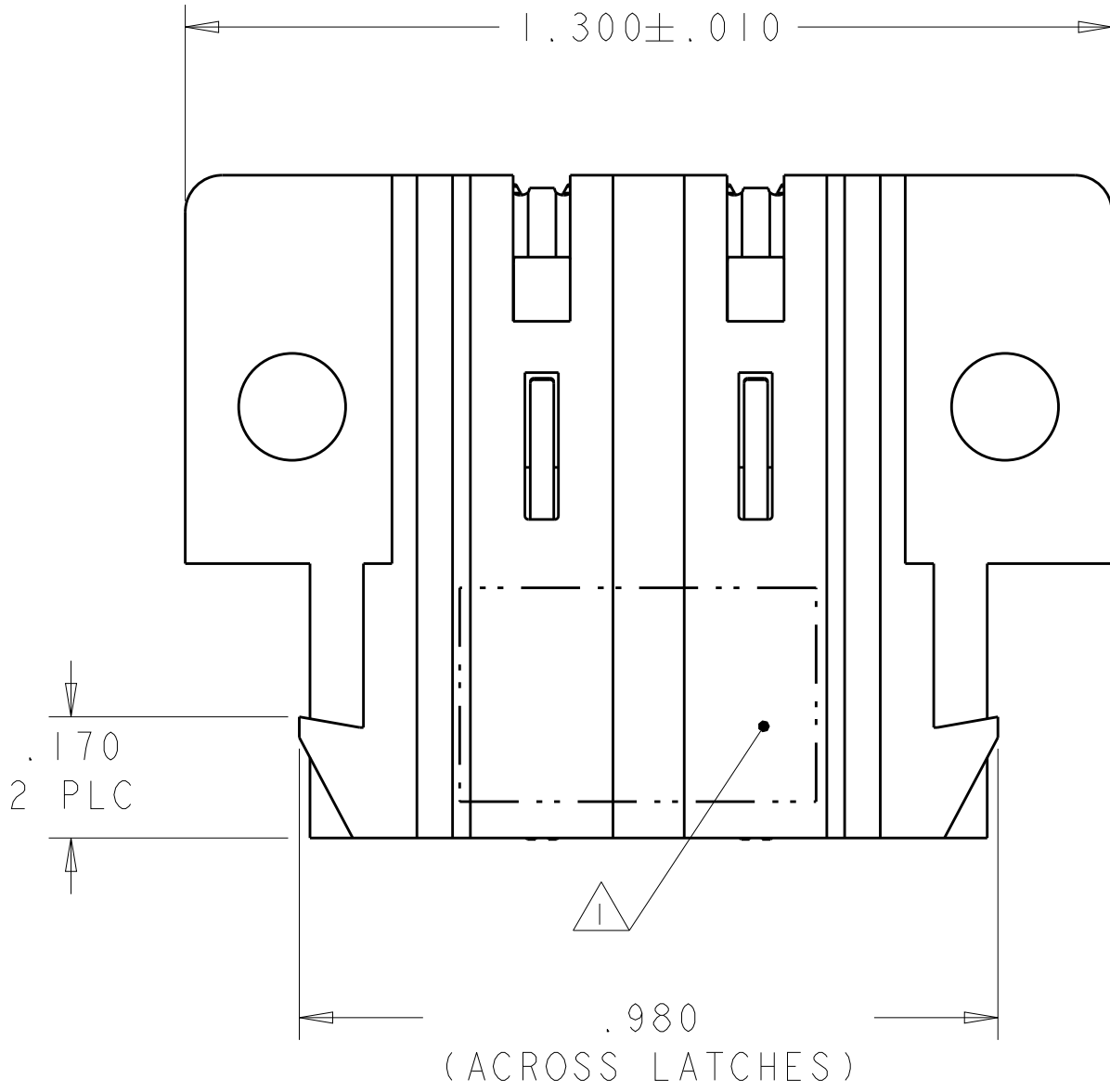
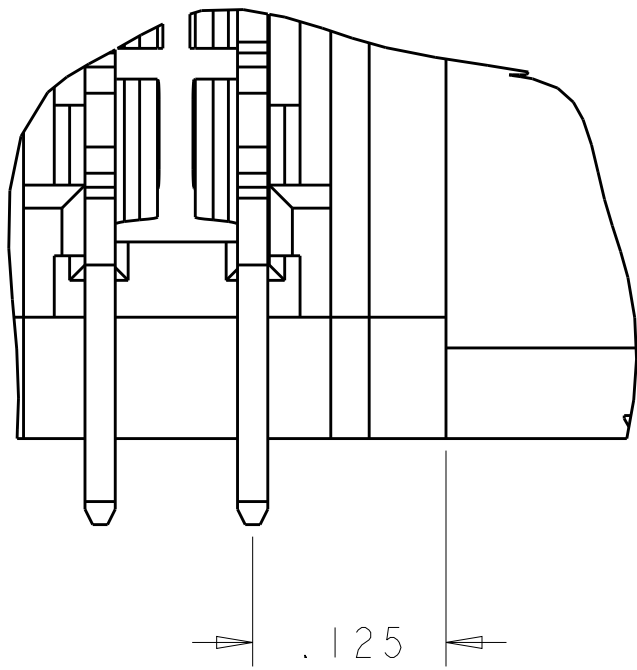
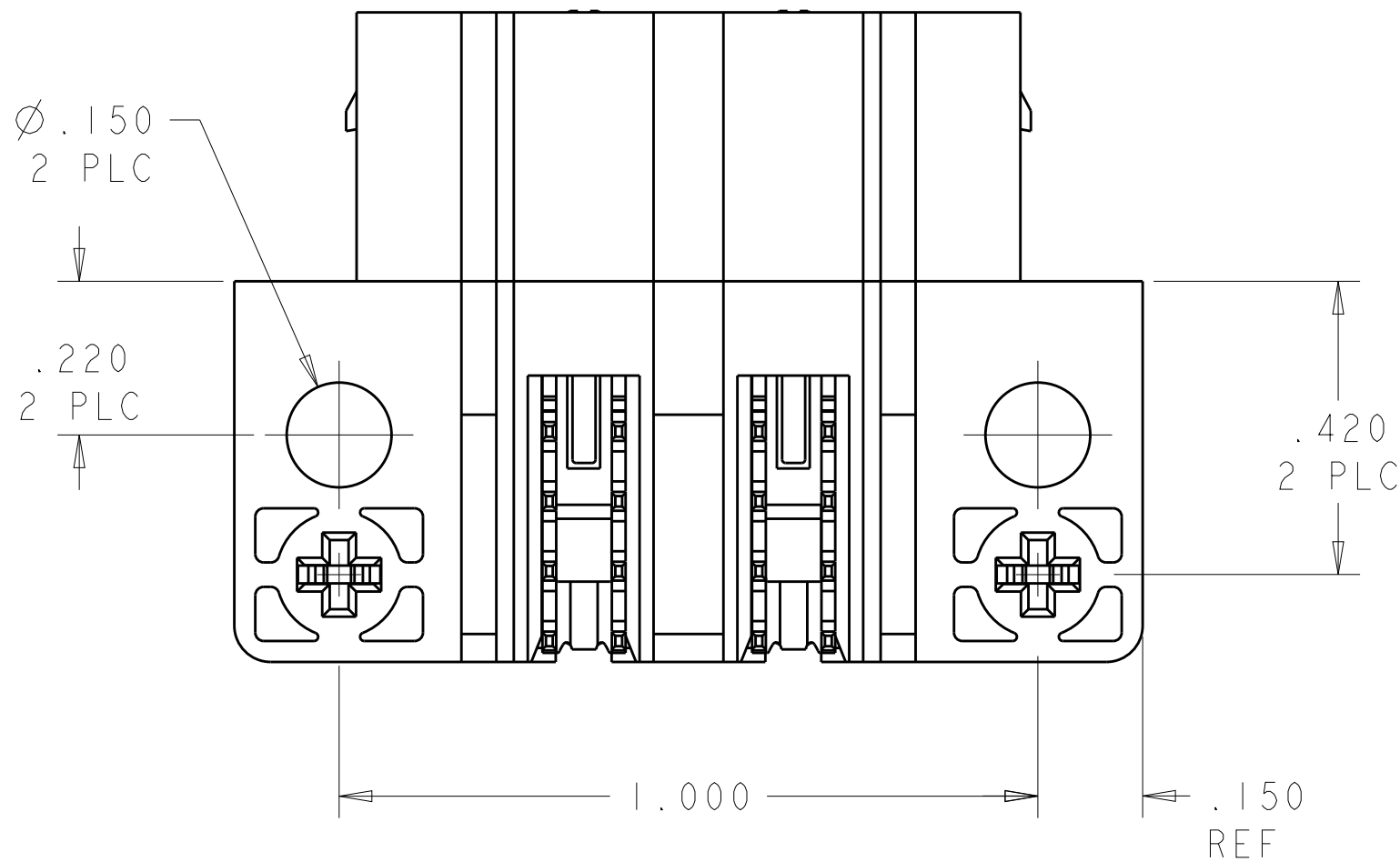
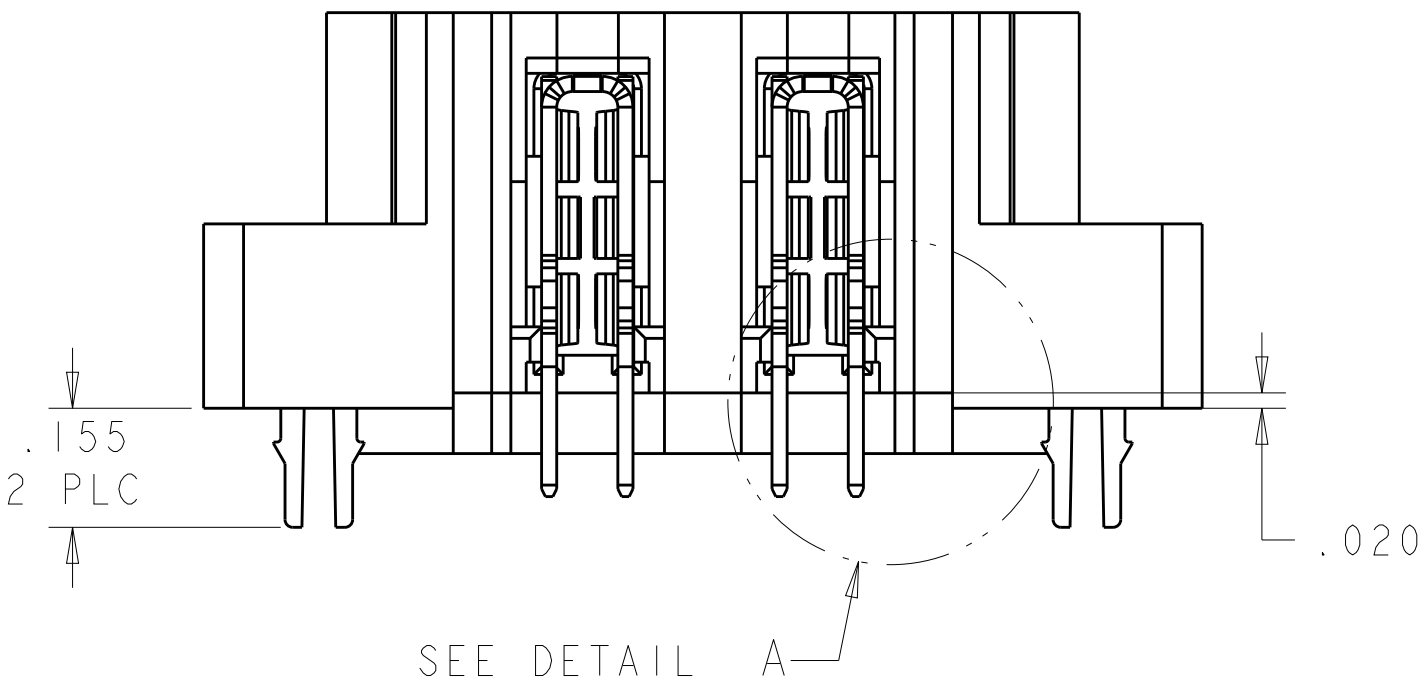
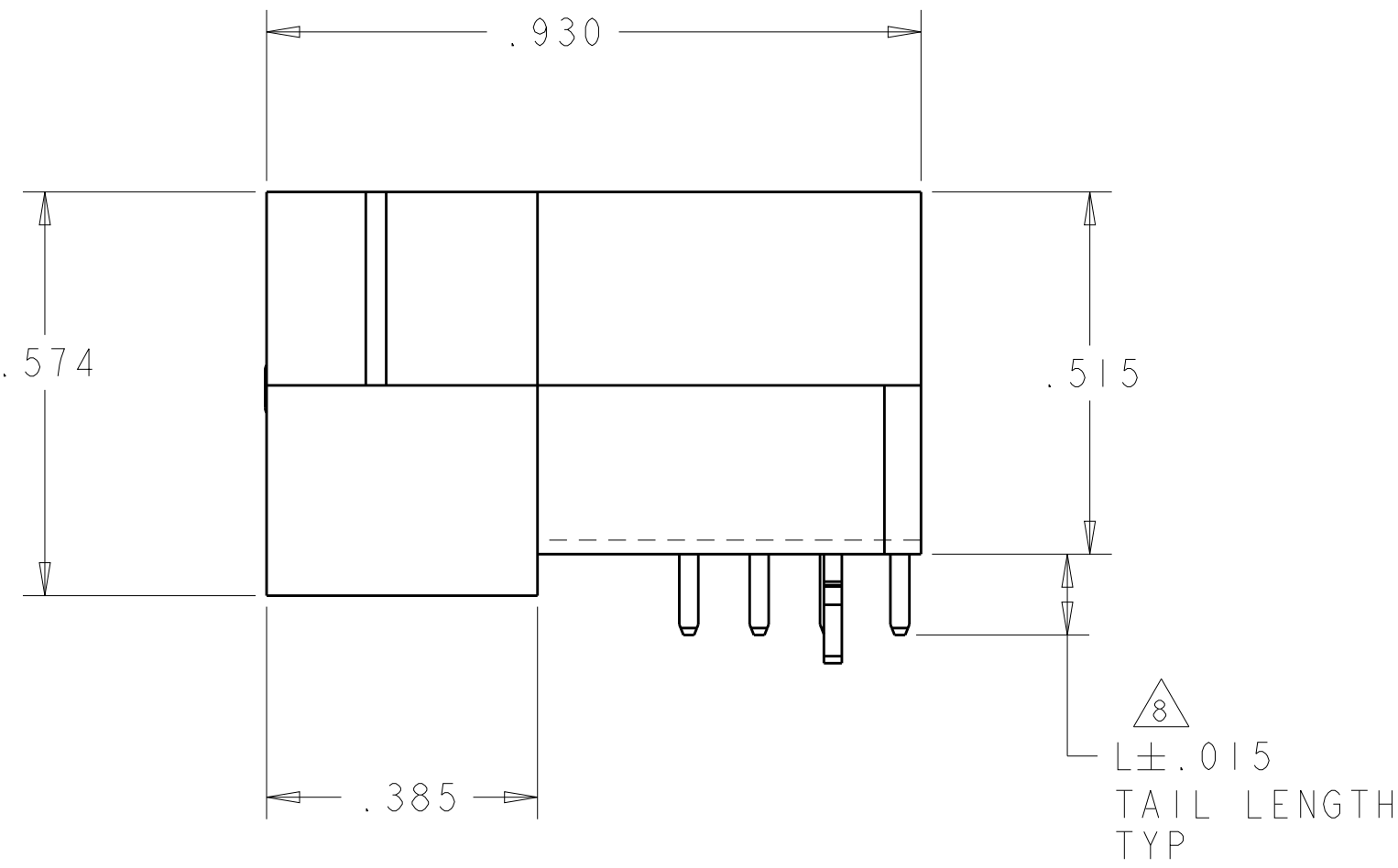
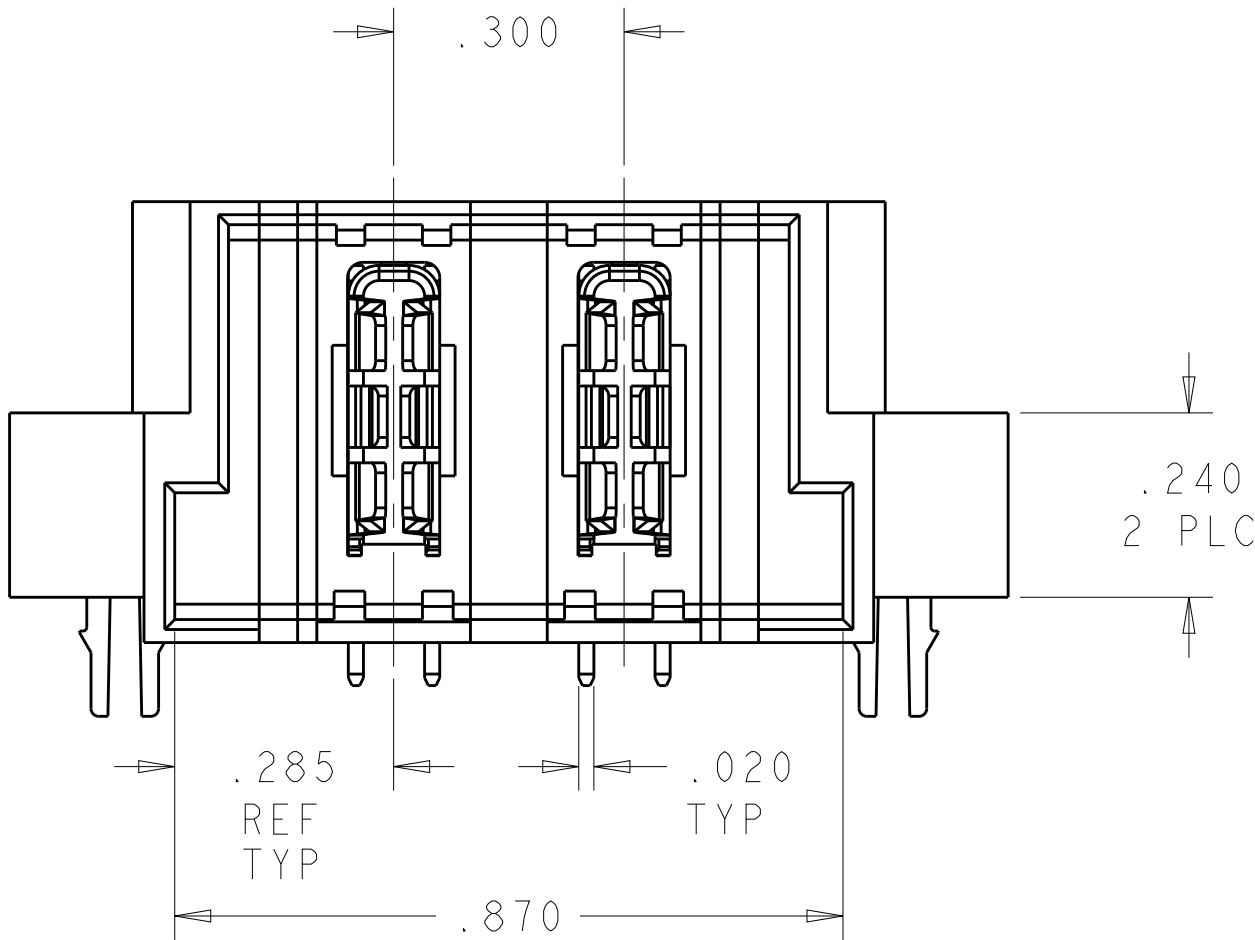


| LOC |     | DIST        |                       | REVISIONS |      |           |      |    |
|-----|-----|-------------|-----------------------|-----------|------|-----------|------|----|
| P   | LTR | DESCRIPTION |                       |           | DATE | DWN       | APVD |    |
|     |     | D1          | REV PER ECR-12-011257 |           |      | 01JUN2012 | ML   | SZ |
|     |     |             |                       |           |      |           |      |    |
|     |     |             |                       |           |      |           |      |    |
|     |     |             |                       |           |      |           |      |    |



- 1 "AMP" PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.00 INCHES LONG MAY BE MARKED ON BOTH SIDES.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL 94 V-0  
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
- 3 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS.
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE. WHEN PLACING CONNECTORS END-TO-END, ALLOW ADDITIONAL 0.1 CLEARANCE BETWEEN CONNECTORS FOR LATCH ACTIVATION.
- 5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 6 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 7 PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIA HOLE.
- 8 THIS TAIL LENGTH REFLECTS THE .020 HOUSING STAND-OFFS ON EACH END.



DETAIL A  
SCALE 8:1

|              |             |             |
|--------------|-------------|-------------|
| TRAY         | 2ACP        | 1892109-6   |
| TAPE & REEL  | 2ACP        | 1892109-5   |
| TAPE & REEL  | 2ACP        | 1892109-3   |
| TRAY         | 2ACP        | 1892109-1   |
| PACKING TYPE | DESCRIPTION | PART NUMBER |

|                                                                                               |  |                                                                                 |                  |              |                                                                                                |        |
|-----------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|------------------|--------------|------------------------------------------------------------------------------------------------|--------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                        |  | DWN: 23MAR2006<br>CHK: CECILY.ZHOU<br>SUNY_ZHAO                                 | NAME             |              | TE Connectivity                                                                                |        |
| DIMENSIONS:<br>INCHES                                                                         |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                          | PRODUCT SPEC     |              | RIGHT ANGLE HEADER ASSEMBLY<br>W/ END LATCHES W/HIGH DURABILITY<br>POWER CONTACT MULTI-BEAM XL |        |
| 0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.2°<br>FINISH |  | 0 PLC ±.<br>1 PLC ±.<br>2 PLC ±.<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±.<br>FINISH | APPLICATION SPEC |              | SIZE CAGE CODE DRAWING NO                                                                      |        |
| MATERIAL                                                                                      |  | 114-13038                                                                       | WEIGHT           |              | A100779C=1892109                                                                               |        |
| CUSTOMER DRAWING                                                                              |  | SCALE 4:1                                                                       |                  | SHEET 1 OF 2 |                                                                                                | REV D2 |

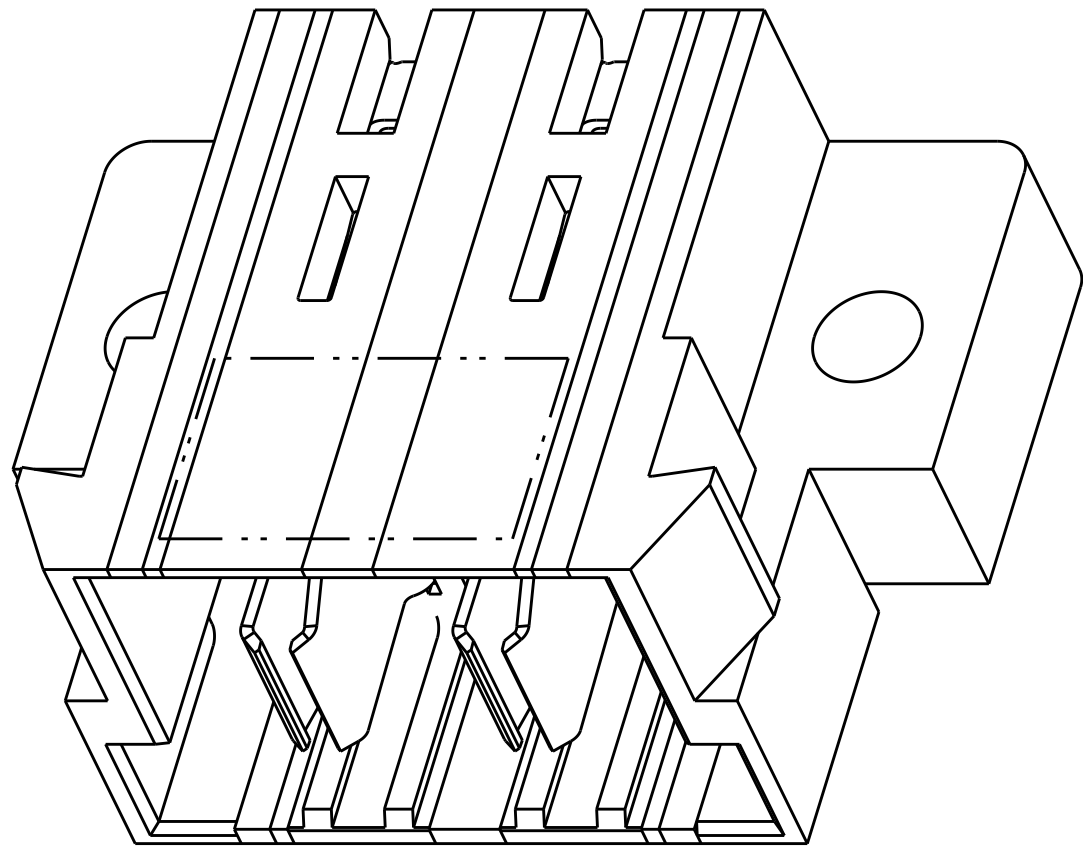
| LOC |     | DIST        |  | REVISIONS |     |      |  |
|-----|-----|-------------|--|-----------|-----|------|--|
| P   | LTR | DESCRIPTION |  | DATE      | DWN | APVD |  |
| -   | -   | SEE SHEET 1 |  | -         | -   | -    |  |
|     |     |             |  |           |     |      |  |
|     |     |             |  |           |     |      |  |
|     |     |             |  |           |     |      |  |

| PART NUMBER | ROWS             | POWER |       |    |
|-------------|------------------|-------|-------|----|
|             |                  | P1    | P2    |    |
| 1892109-1   | D<br>C<br>B<br>A |       |       |    |
|             |                  | HD    | TM TM | HD |
| 2ACP        |                  |       |       |    |

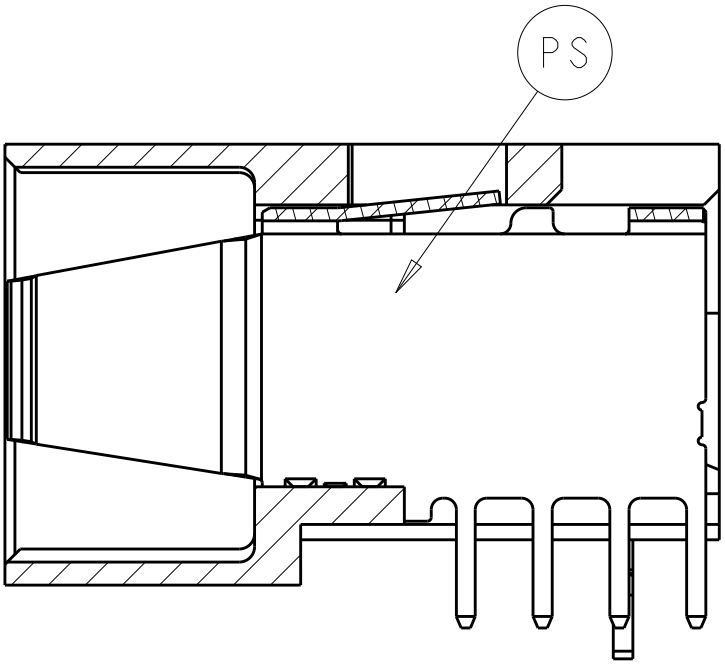
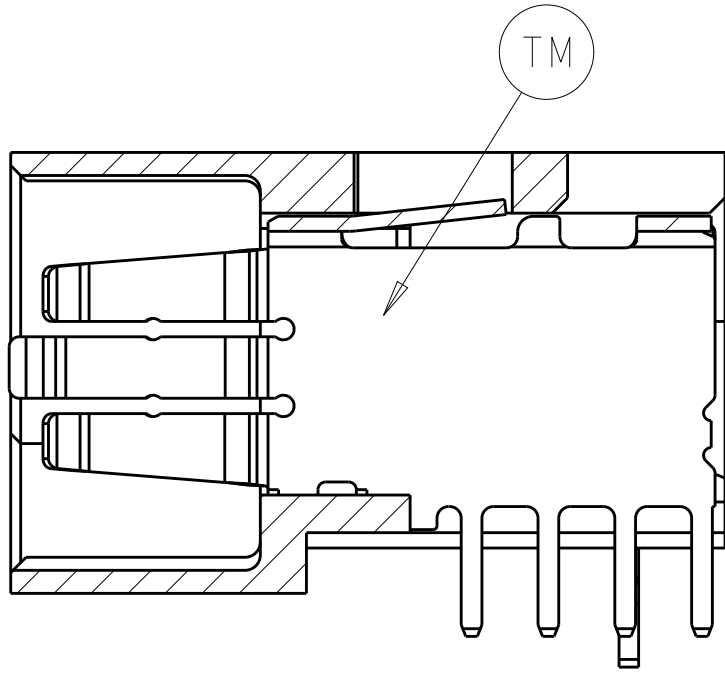
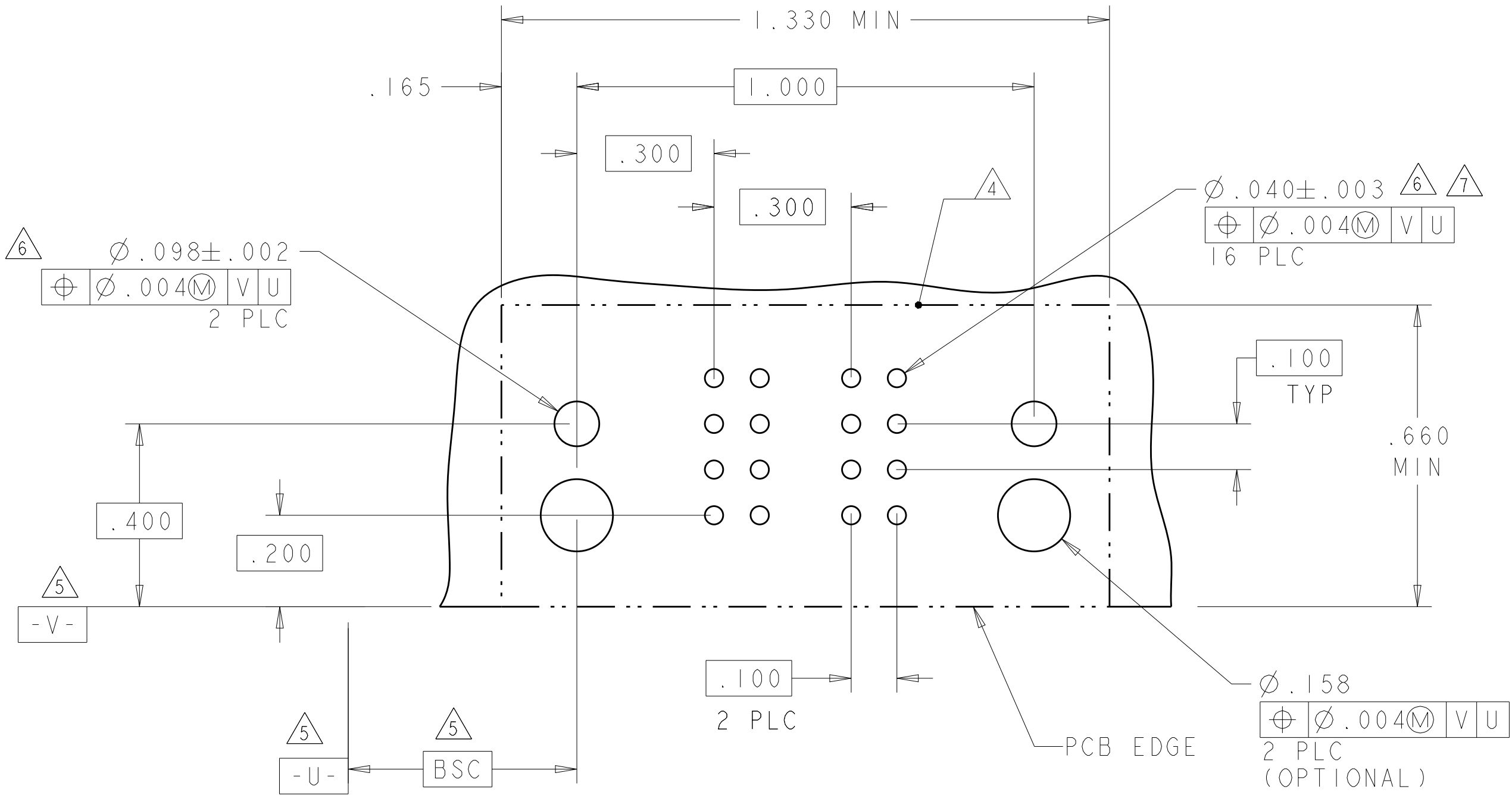
| PART NUMBER | ROWS             | POWER |    |    |    |    |
|-------------|------------------|-------|----|----|----|----|
|             |                  | P1    |    | P2 |    |    |
| 1892109-3   | D<br>C<br>B<br>A | HD    | TM |    | TM | HD |
|             |                  |       |    |    |    |    |
| 2ACP        |                  |       |    |    |    |    |

| PART NUMBER | ROWS             | POWER |    |    |    |
|-------------|------------------|-------|----|----|----|
|             |                  | P1    |    | P2 |    |
| 1892109-5   | D<br>C<br>B<br>A | HD    | PS | PS | HD |
|             |                  |       |    |    |    |
| 2ACP        |                  |       |    |    |    |

| PART NUMBER | ROWS             | POWER |    |    |    |
|-------------|------------------|-------|----|----|----|
|             |                  | P1    | P2 |    |    |
| 1892109-6   | D<br>C<br>B<br>A | HD    | PS | PS | HD |
|             |                  |       |    |    |    |
| 2ACP        |                  |       |    |    |    |



PART NUMBER: 1892109-5



1892109-1 & 1892109-3 & 1892109-5 & 1892109-6 SHARE THE SAME PCB LAYOUT AS ABOVE

|               |      |                    |
|---------------|------|--------------------|
| C1            | PS   | DUAL BEAM, L=.115  |
|               | TM   | THREE BEAM, L=.115 |
|               | CODE | DESCRIPTION        |
| POWER CONTACT |      |                    |

|                                        |                                                                                       |                                                                                                                                          |                  |                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                       | DWN: 23MAR2006<br>CHK: CECILY.ZHOU<br>SUNY_ZHAO                                                                                          | NAME             |                                                                 |
| DIMENSIONS:<br>INCHES                  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2°<br>FINISH | PRODUCT SPEC     | RIGHT ANGLE HEADER ASSEMBLY                                     |
|                                        |                                                                                       |                                                                                                                                          | APPLICATION SPEC | W/ END LATCHES W/HIGH DURABILITY<br>POWER CONTACT MULTI-BEAM XL |
| MATERIAL                               | -                                                                                     | -                                                                                                                                        | SIZE             | RESTRICTED TO                                                   |
|                                        |                                                                                       |                                                                                                                                          | CAGE CODE        |                                                                 |
| CUSTOMER DRAWING                       |                                                                                       | WEIGHT                                                                                                                                   | SCALE            | SHEET                                                           |
|                                        |                                                                                       |                                                                                                                                          | 4:1              | 2 OF 2                                                          |
|                                        |                                                                                       |                                                                                                                                          |                  | REV D2                                                          |