

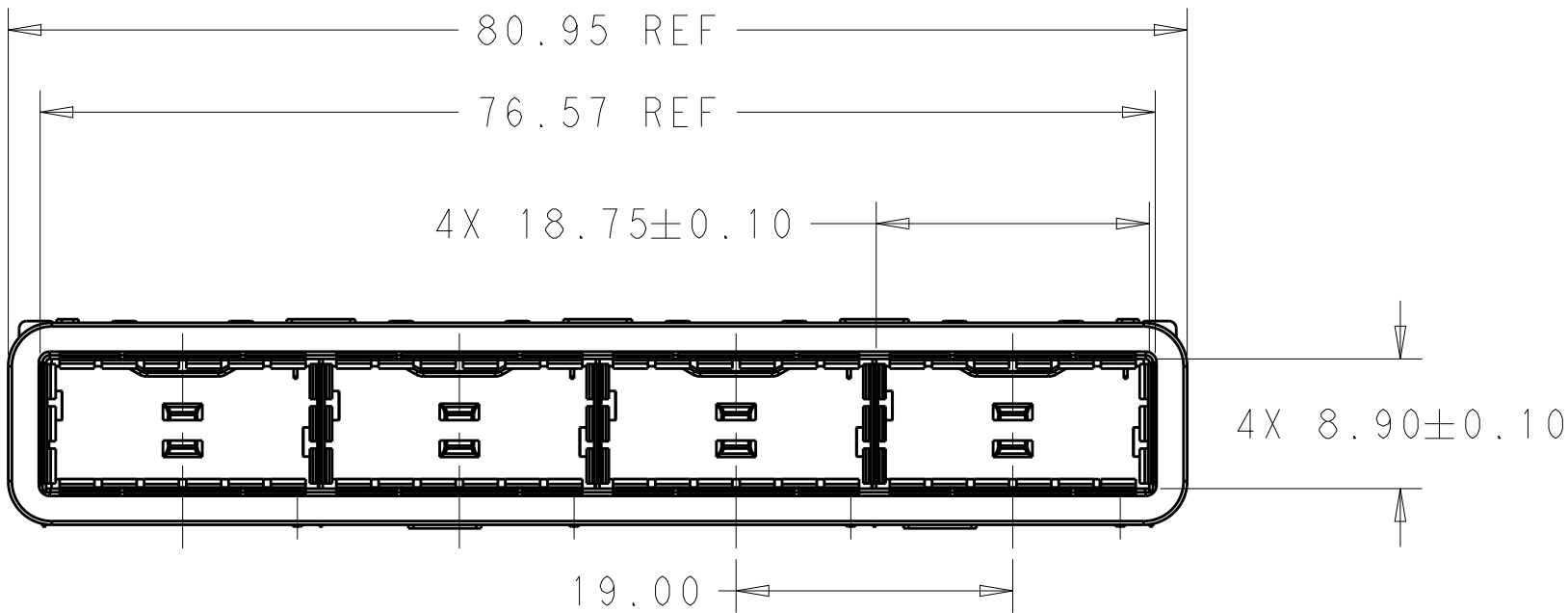
| REVISIONS |     |                 |           |     |      |
|-----------|-----|-----------------|-----------|-----|------|
| P         | LTR | DESCRIPTION     | DATE      | DWN | APVD |
|           | A   | INITIAL RELEASE | 02FEB2016 | JY  | SH   |
|           |     |                 |           |     |      |
|           |     |                 |           |     |      |
|           |     |                 |           |     |      |



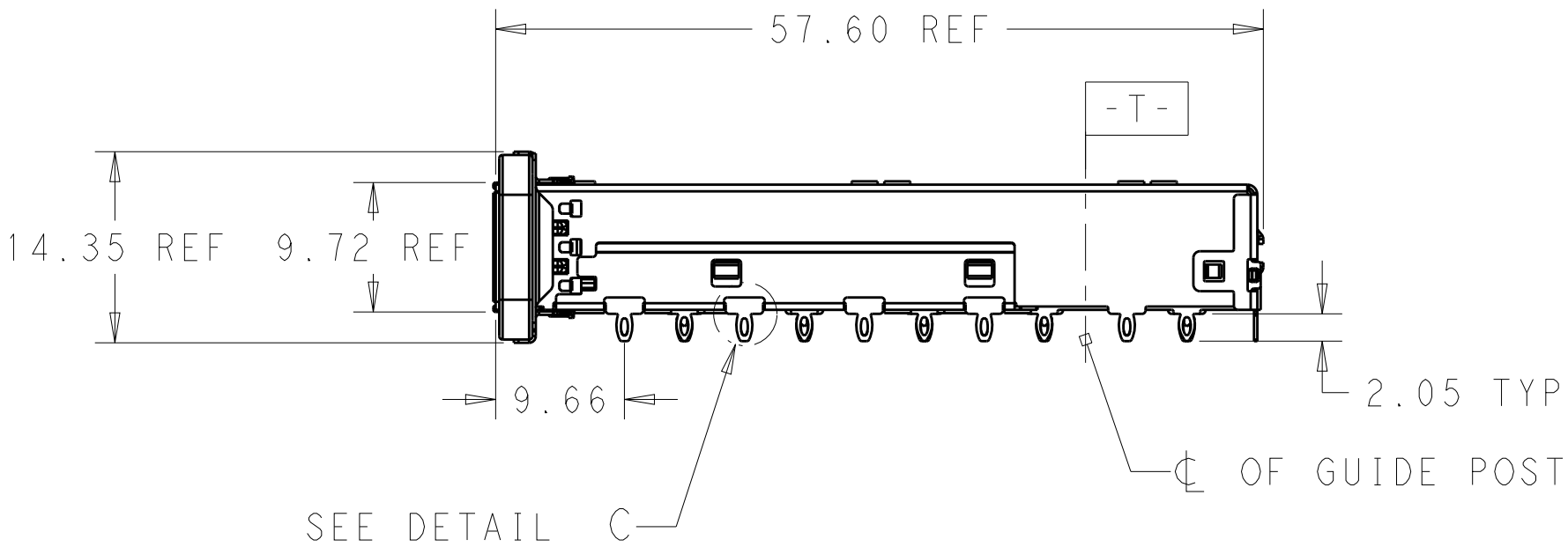
2170782-1,-4 AS SHOWN  
SCALE 1:1

2170782-2,-5 AS SHOWN  
SCALE 1:1

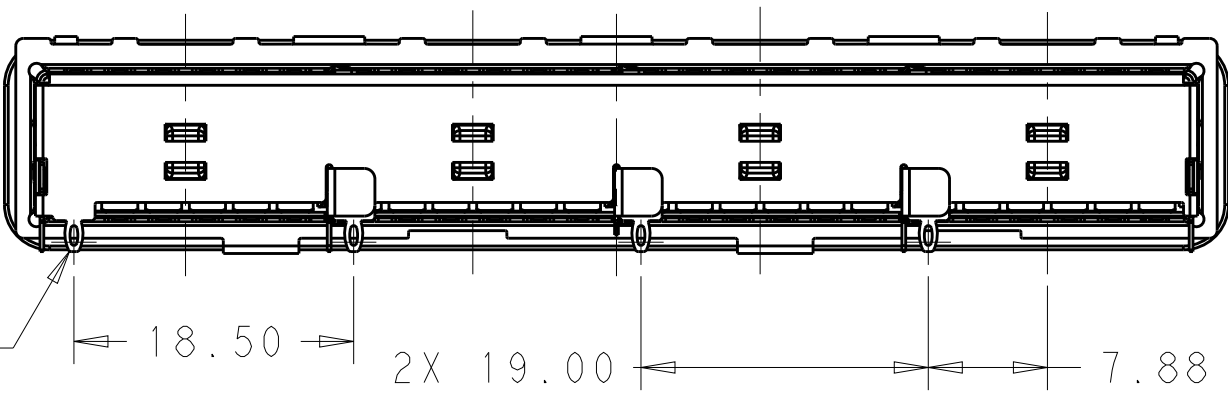
1. COMPONENTS  
CAGE ASSEMBLY: NICKEL-SILVER ALLOY  
EMI SPRING: COPPER ALLOY/NICKEL PLATE  
EMI GASKET: PLATED FILLED SILICONE
2. REFERENCE APPLICATION SPECIFICATION 114-32023  
FOR RECOMMENDED DRILL HOLE DIAMETER AND  
PLATING THICKNESS
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
4. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
5. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
6. MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN  
DOUBLE SIDED: 3.00 MIN
7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.
8. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.



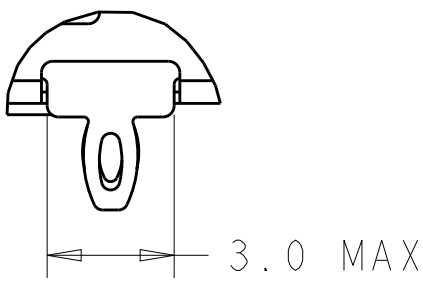
SCALE 2:1



SEE DETAIL C



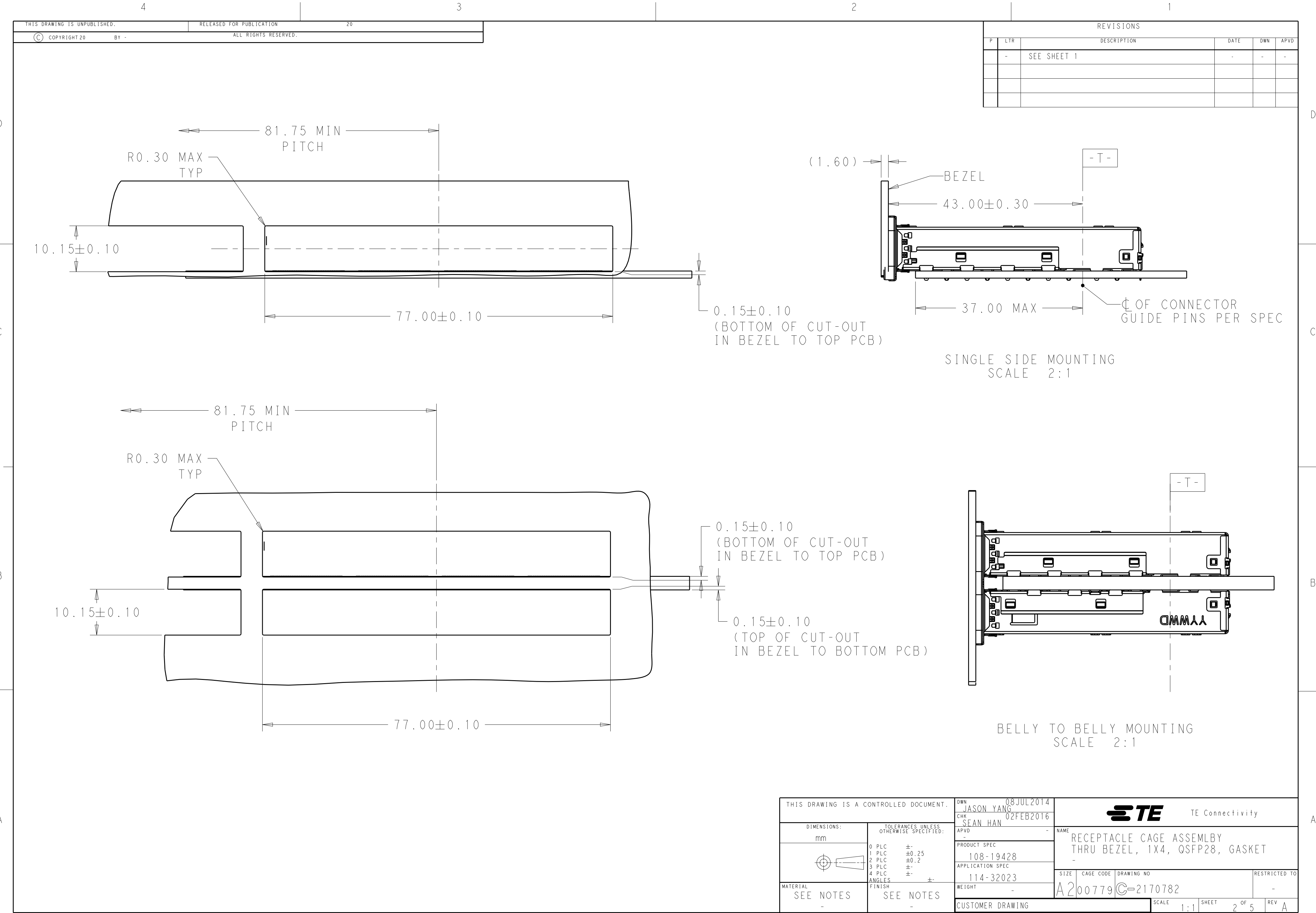
BACK VIEW  
SCALE 2:1



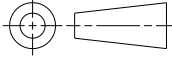
DETAIL C  
SCALE 6:1

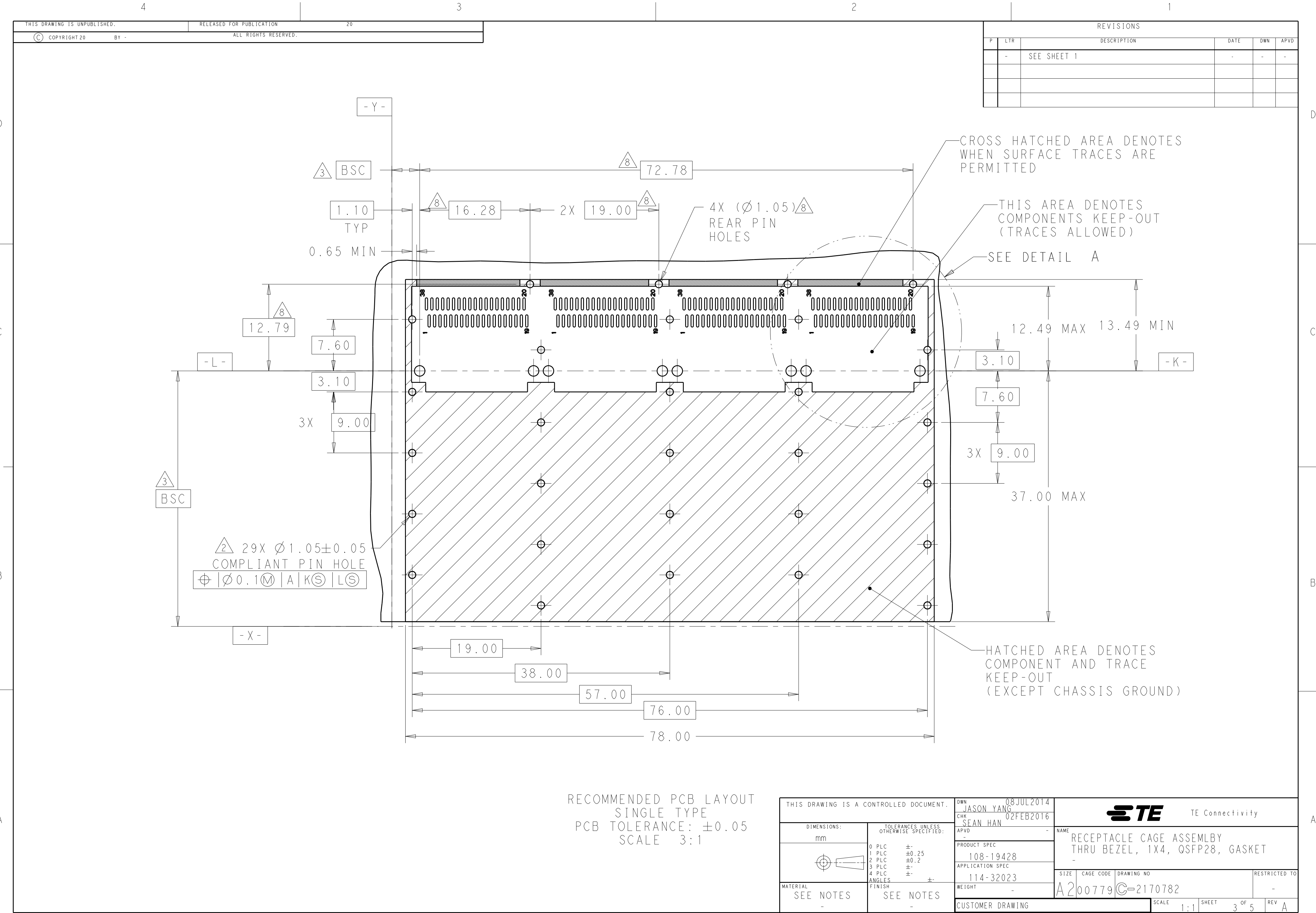
|                      |                            |             |
|----------------------|----------------------------|-------------|
| WITHOUT              | WITH                       | 2170782-5   |
| WITHOUT              | WITHOUT                    | 2170782-4   |
| WITH                 | WITH                       | 2170782-2   |
| WITH                 | WITHOUT                    | 2170782-1   |
| REAR PIN<br>OPTIONAL | HEAT SINK OPEN<br>OPTIONAL | PART NUMBER |

|                                        |                                                                                       |                                                                                                                                   |                                                                                                       |                           |                                                                          |                 |                 |                        |
|----------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------|-----------------|-----------------|------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                       | DWN 08JUL2014<br>JASON YANG                                                                                                       |  TE Connectivity |                           |                                                                          |                 |                 |                        |
|                                        |                                                                                       | CHK 02FEB2016<br>SEAN HAN                                                                                                         |                                                                                                       |                           |                                                                          |                 |                 |                        |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br>0 PLC ±-<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±-<br>4 PLC ±-<br>ANGLES ±-<br>FINISH | APVD -                                                                                                | PRODUCT SPEC<br>108-19428 | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>THRU BEZEL, 1X4, QSFP28, GASKET<br>- |                 |                 |                        |
|                                        |                                                                                       |                                                                                                                                   |                                                                                                       |                           |                                                                          |                 |                 |                        |
| MATERIAL<br>SEE NOTES                  |                                                                                       |                                                                                                                                   |                                                                                                       |                           | SEE NOTES                                                                |                 | SIZE<br>A200779 | CAGE CODE<br>C=2170782 |
|                                        |                                                                                       |                                                                                                                                   | CUSTOMER DRAWING                                                                                      |                           | SCALE<br>1:1                                                             | SHEET<br>1 OF 5 |                 | REV<br>A               |

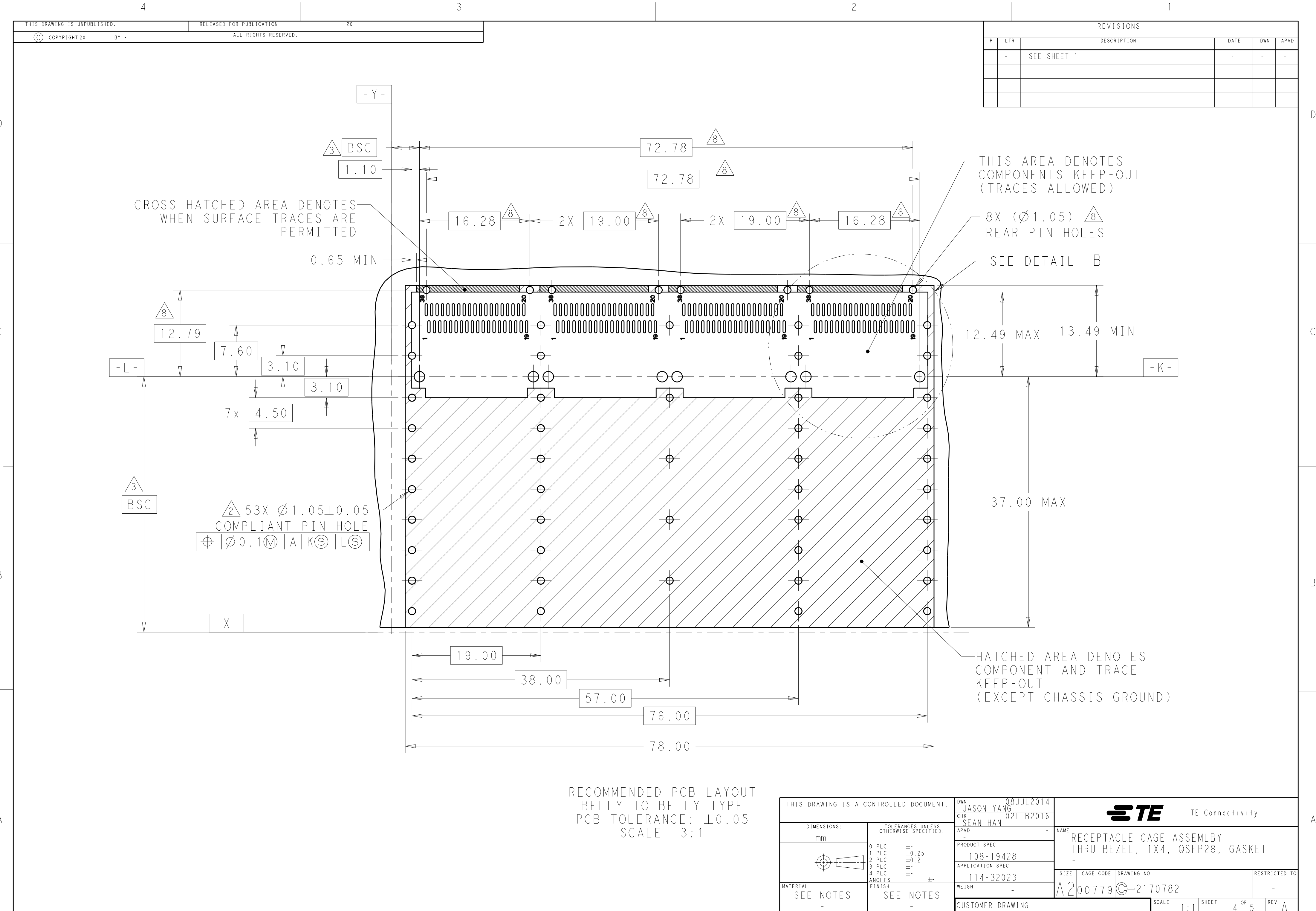


| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |           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

|                                                                                       |                                        |                             |                                                                                                       |              |            |
|---------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------|--------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                        | DWN 08JUL2014<br>JASON YANG |  TE Connectivity |              |            |
| DIMENSIONS:                                                                           |                                        | CHK 02FEB2016<br>SEAN HAN   |                                                                                                       |              |            |
| mm                                                                                    | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD -                      | NAME                                                                                                  |              |            |
|  | 0 PLC ±-                               | PRODUCT SPEC                | RECEPTACLE CAGE ASSEMBLY                                                                              |              |            |
|                                                                                       | 1 PLC ±0.25                            | 108-19428                   | THRU BEZEL, 1X4, QSFP28, GASKET                                                                       |              |            |
|                                                                                       | 2 PLC ±0.2                             | APPLICATION SPEC            | -                                                                                                     |              |            |
|                                                                                       | 3 PLC ±-                               | 114-32023                   | SIZE                                                                                                  | CAGE CODE    | DRAWING NO |
| MATERIAL                                                                              | FINISH                                 | WEIGHT                      | A200779                                                                                               |              | C-2170782  |
| SEE NOTES                                                                             | SEE NOTES                              | CUSTOMER DRAWING            | SCALE 1:1                                                                                             | SHEET 2 OF 5 | REV A      |







CROSS HATCHED AREA DENOTES WHEN SURFACE TRACES ARE PERMITTED

0.65 MIN

THIS AREA DENOTES COMPONENTS KEEP-OUT (TRACES ALLOWED)

8X (Ø1.05) REAR PIN HOLES

SEE DETAIL B

12.49 MAX 13.49 MIN

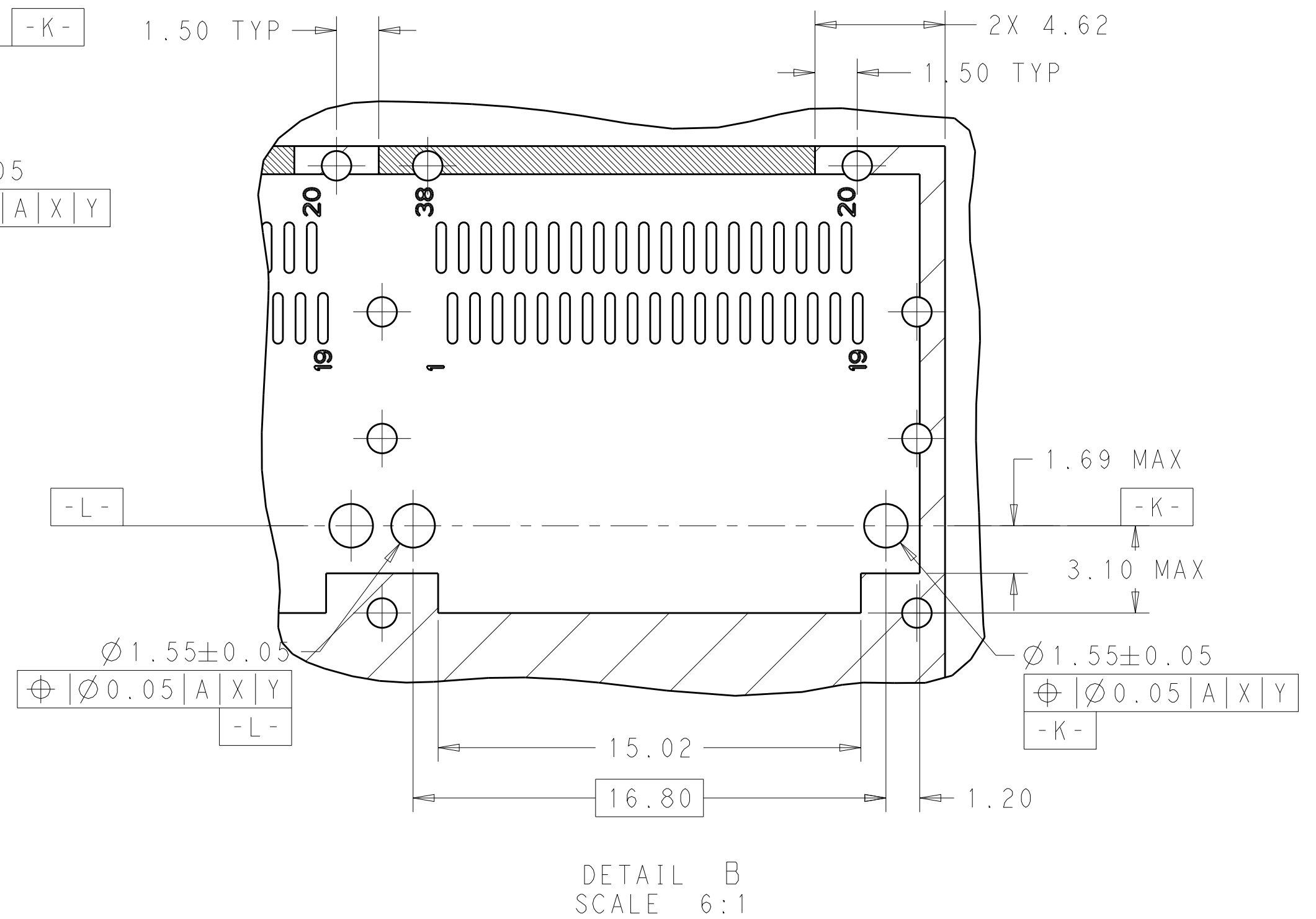
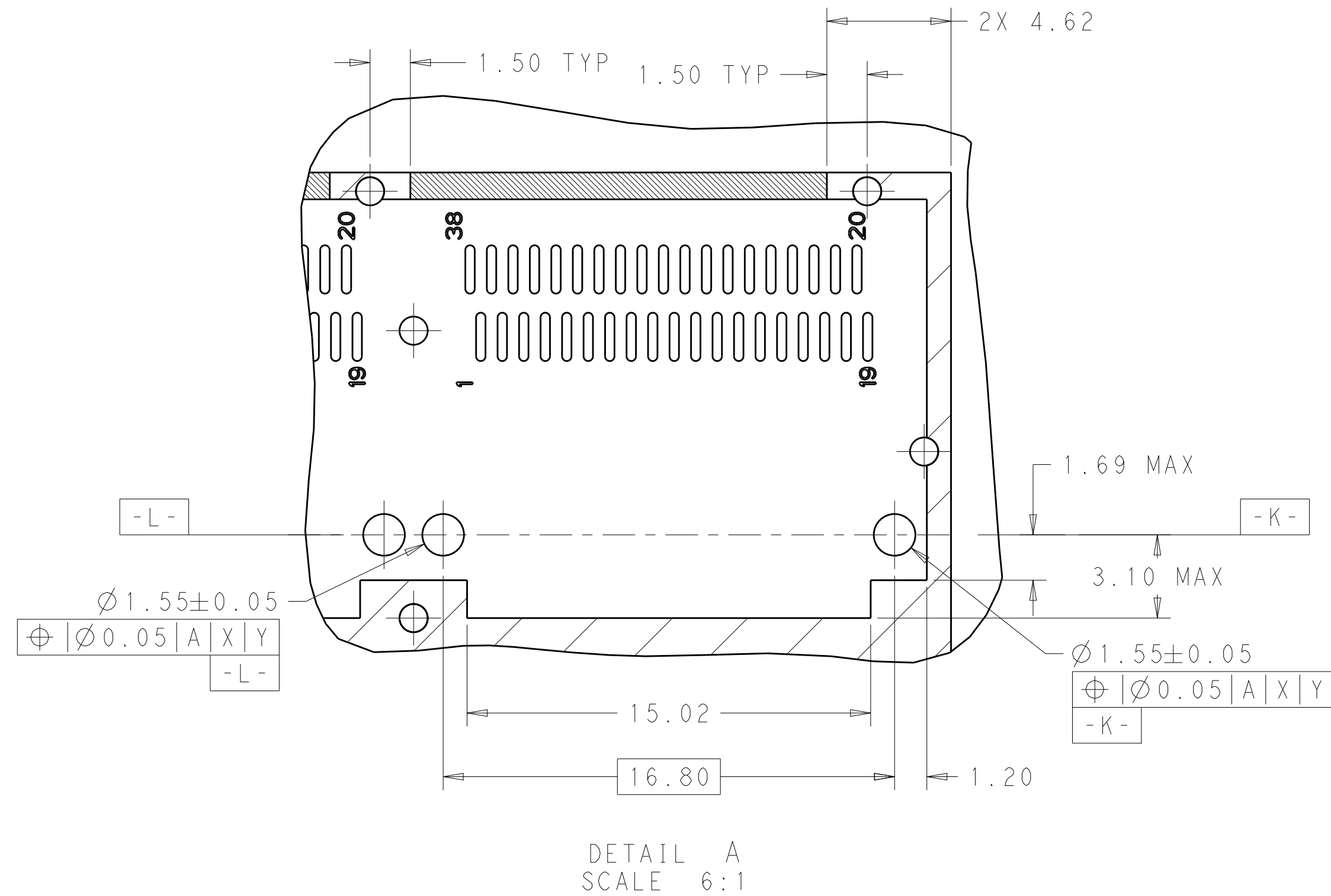
37.00 MAX

HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

RECOMMENDED PCB LAYOUT  
BELLY TO BELLY TYPE  
PCB TOLERANCE: ±0.05  
SCALE 3:1

|                                        |                                        |                             |                                 |  |  |
|----------------------------------------|----------------------------------------|-----------------------------|---------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | DWN 08JUL2014<br>JASON YANG | TE Connectivity                 |  |  |
| DIMENSIONS:                            |                                        | CHK 02FEB2016<br>SEAN HAN   |                                 |  |  |
| mm                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD -                      | NAME                            |  |  |
|                                        | 0 PLC ±-                               | PRODUCT SPEC                | RECEPTACLE CAGE ASSEMBLY        |  |  |
|                                        | 1 PLC ±0.25                            | 108-19428                   | THRU BEZEL, 1X4, QSFP28, GASKET |  |  |
|                                        | 2 PLC ±0.2                             | APPLICATION SPEC            | -                               |  |  |
|                                        | 3 PLC ±-                               | 114-32023                   | SIZE CAGE CODE DRAWING NO       |  |  |
| MATERIAL                               | FINISH                                 | WEIGHT                      | RESTRICTED TO                   |  |  |
| SEE NOTES                              | SEE NOTES                              | -                           | A200779C-2170782                |  |  |
| -                                      | -                                      | CUSTOMER DRAWING            | SCALE 1:1 SHEET 4 OF 5 REV A    |  |  |

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |
|   |     |             |      |     |      |



|                                                                                                            |  |                                                                                                                             |  |                                                                                                       |                 |          |            |
|------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|-----------------|----------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWN 08JUL2014<br>JASON YANG                                                                                                 |  |  TE Connectivity |                 |          |            |
|                                                                                                            |  | CHN 02FEB2016<br>SEAN HAN                                                                                                   |  |                                                                                                       |                 |          |            |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br><br>0 PLC ±.<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±. ±. |  | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>THRU BEZEL, 1X4, QSFP28, GASKET<br>-                              |                 |          |            |
| MATERIAL<br>SEE NOTES<br>-                                                                                 |  | FINISH<br>SEE NOTES<br>-                                                                                                    |  |                                                                                                       |                 |          | SIZE<br>A2 |
| CUSTOMER DRAWING                                                                                           |  |                                                                                                                             |  | SCALE<br>1:1                                                                                          | SHEET<br>5 OF 5 | REV<br>A |            |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2170782-1](#)