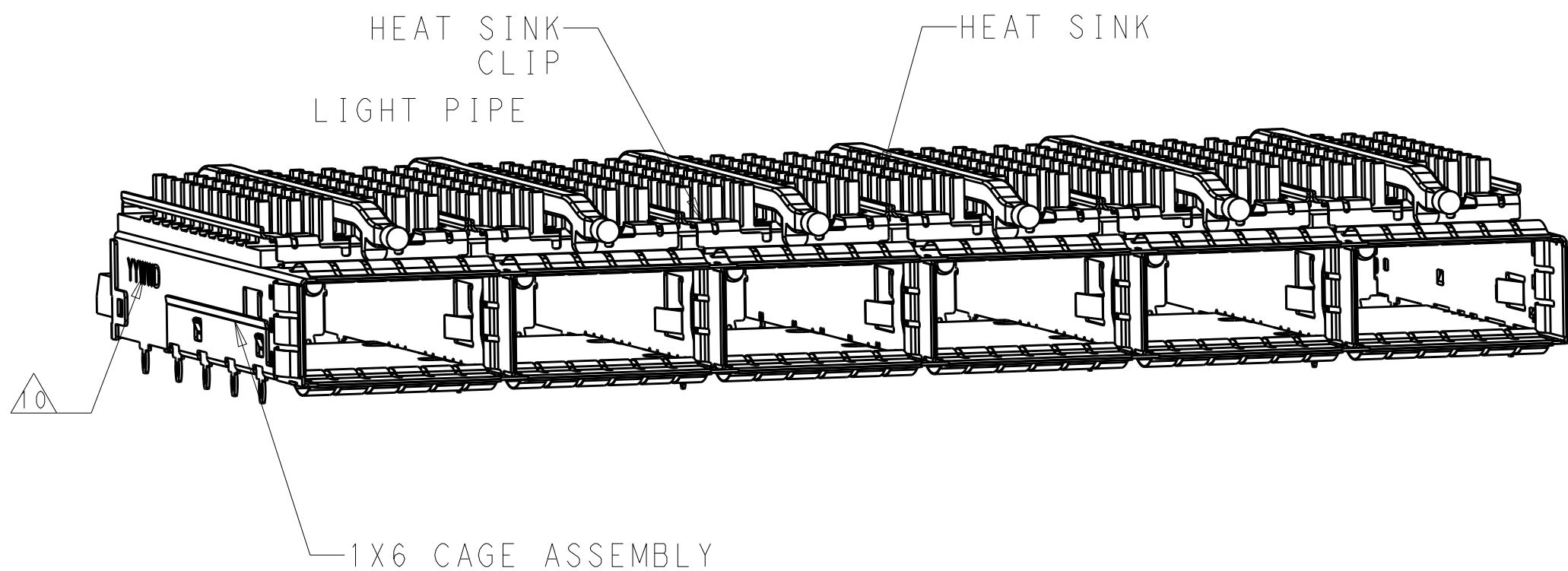


| LOC | DIST | REVISIONS |     |                           |           |     |
|-----|------|-----------|-----|---------------------------|-----------|-----|
| GP  | 00   | P         | LTR | DESCRIPTION               | DATE      | DWN |
|     |      |           | A   | RELEASE                   | 02NOV2016 | JY  |
|     |      |           | B   | REVISED PER ECO-20-012918 | 1AUG2020  | JW  |
|     |      |           |     |                           |           |     |
|     |      |           |     |                           |           |     |

D

D



1. COMPONENTS  
CAGE ASSEMBLY: NICKEL-SILVER ALLOY  
HEAT SINK: ALUMINUM/BLACK ANODIZE  
HEAT SINK CLIP: STAINLESS STEEL  
EMI SPRING: COPPER ALLOY/NICKEL PLATE  
LIGHT PIPE: CLEAR POLYCARBONATE WITH UL 94 V-0  
ORGANIZER: POLYESTER WITH UL 94 V-0

2. REFERENCE APPLICATION SPECIFICATION 114-32023  
FOR RECOMMENDED DRILL HOLE DIAMETER AND  
PLATING THICKNESS

3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

4. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE

5. HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES  
ARE SHIPPED ASSEMBLED ON CAGE

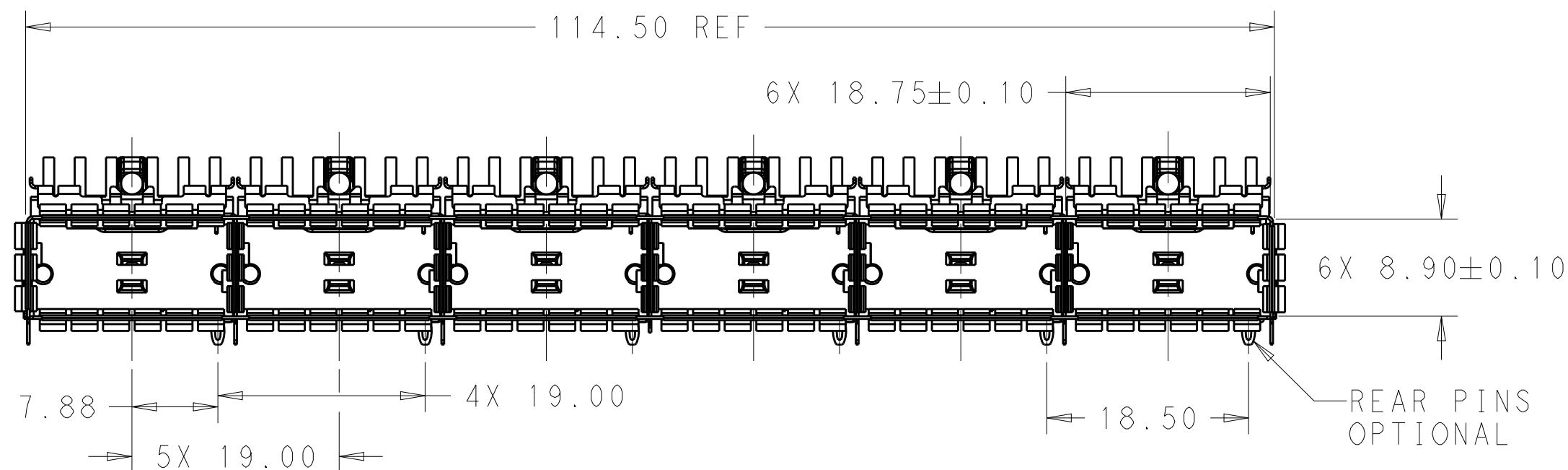
6. MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN  
DOUBLE SIDED: 2.20 MIN

7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

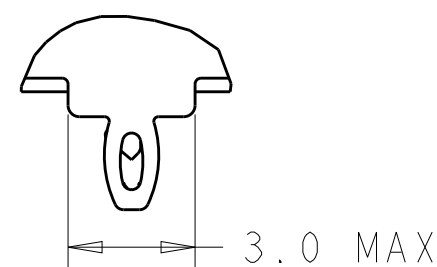
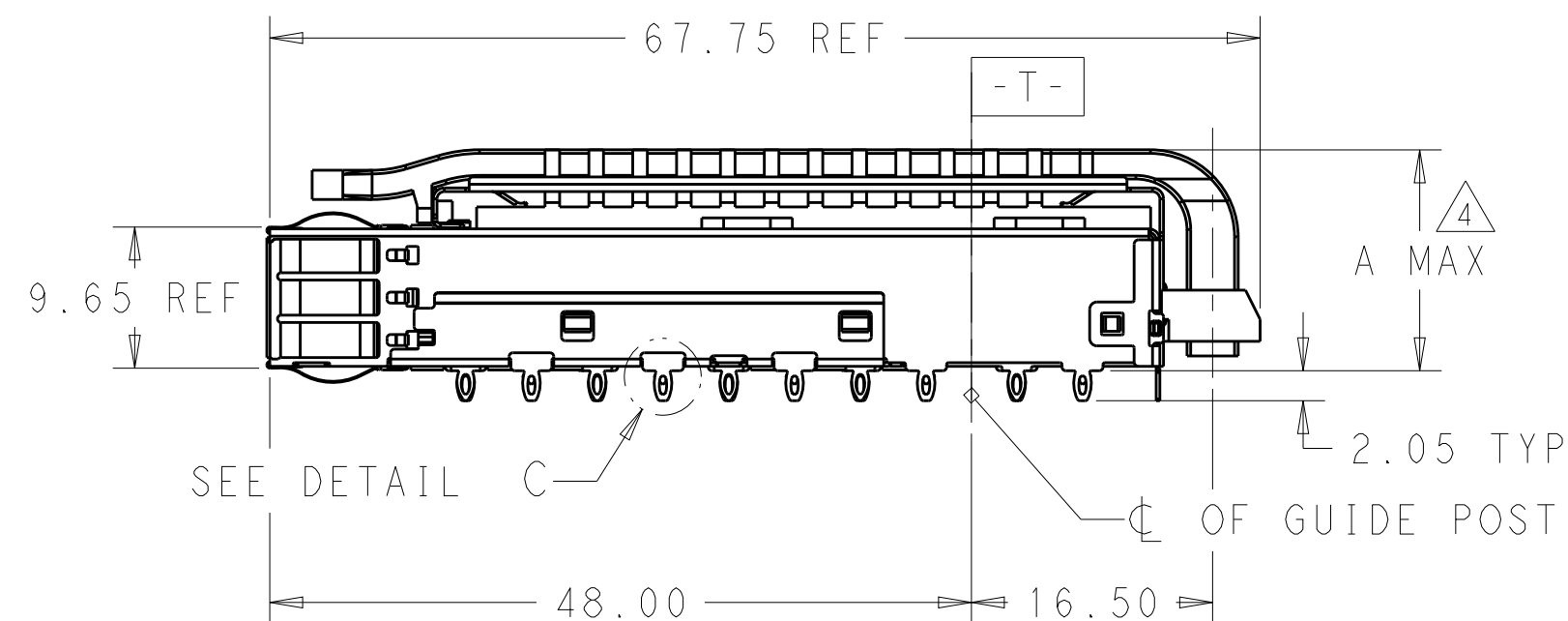
8. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.

9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

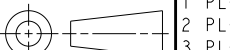
10. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.



SCALE 2:1



DETAIL C  
SCALE 6:1

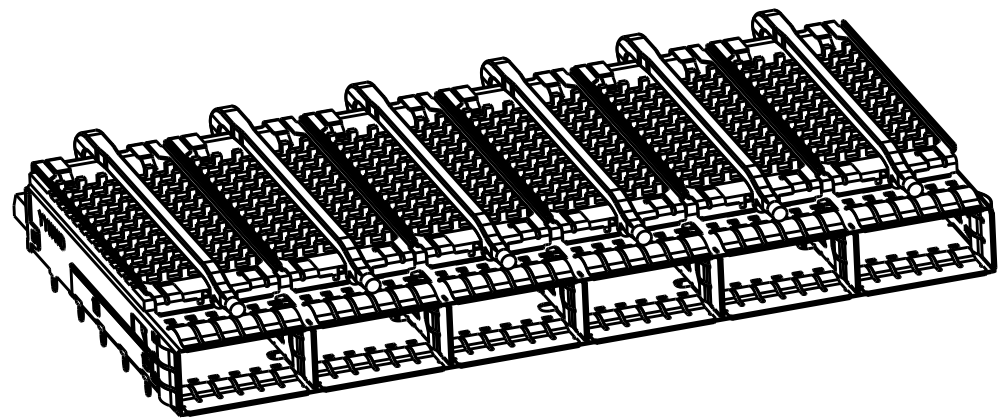
|                                                                                       |  |                                                                                                                                  |                                |        |                                                                                                       |       |           |            |               |   |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------|-------------------------------------------------------------------------------------------------------|-------|-----------|------------|---------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                                                                                                                  | DWN<br>JASON YANG<br>24OCT2013 |        |  TE Connectivity |       |           |            |               |   |
|                                                                                       |  |                                                                                                                                  | CHK<br>SEAN HAN<br>02NOV2016   |        |                                                                                                       |       |           |            |               |   |
| DIMENSIONS:<br>mm                                                                     |  | 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 ±<br>FINISH ± | APVD                           | -      | NAME<br>CAGE ASSEMBLY, 1X6, QSFP28<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, EMI SPRING      |       |           |            |               |   |
|  |  |                                                                                                                                  | PRODUCT SPEC<br>108-19428      |        |                                                                                                       |       |           |            |               |   |
|                                                                                       |  |                                                                                                                                  | APPLICATION SPEC<br>114-32023  |        |                                                                                                       |       |           |            |               |   |
| MATERIAL                                                                              |  |                                                                                                                                  |                                | WEIGHT | -                                                                                                     | SIZE  | CAGE CODE | DRAWING NO | RESTRICTED TO |   |
| SEE NOTES                                                                             |  | SEE NOTES                                                                                                                        | CUSTOMER DRAWING               |        |                                                                                                       | A2    | 00779     | C-2170708  | -             |   |
|                                                                                       |  |                                                                                                                                  |                                |        | SCALE                                                                                                 | 1 : 1 | SHEET     | 1 OF 9     | REV           | B |

A

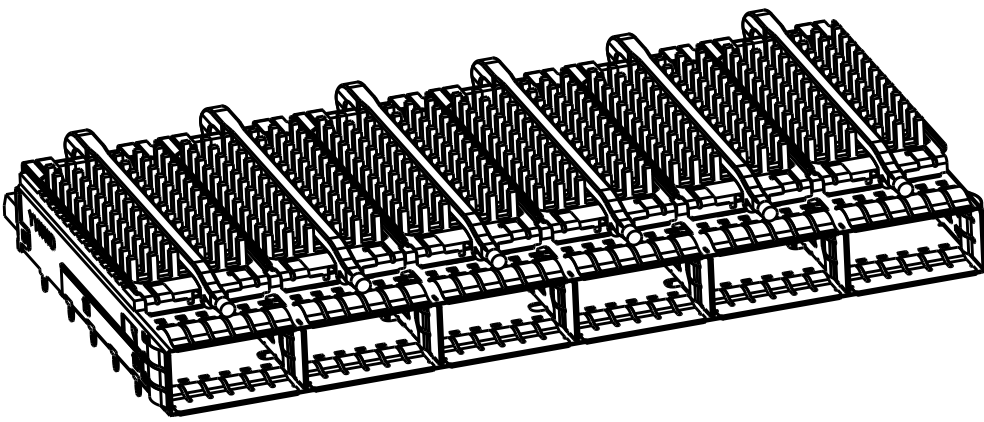
A

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

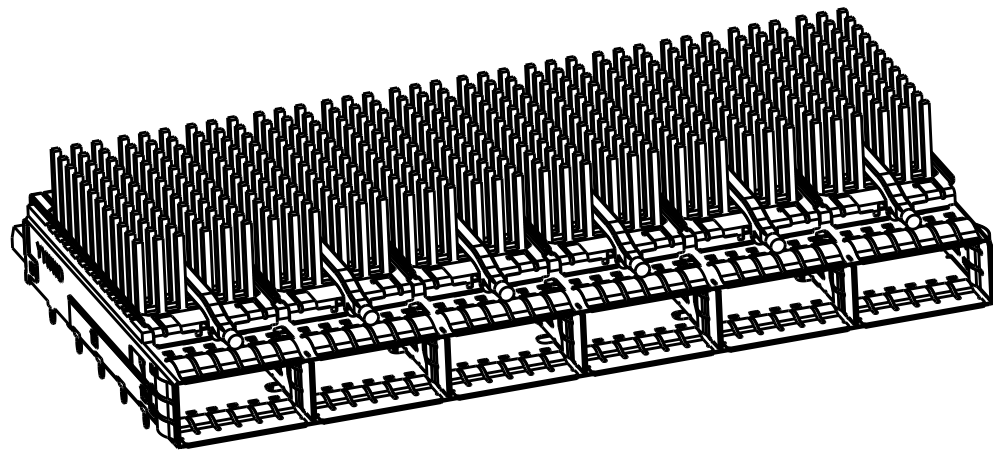
HEAT SINK OPTION



PCI HEAT SINK  
SCALE 1:1

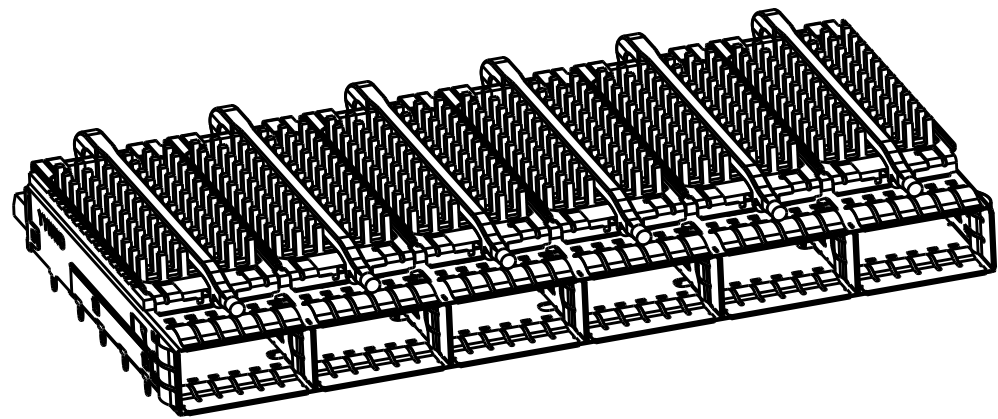


SAN HEAT SINK  
SCALE 1:1

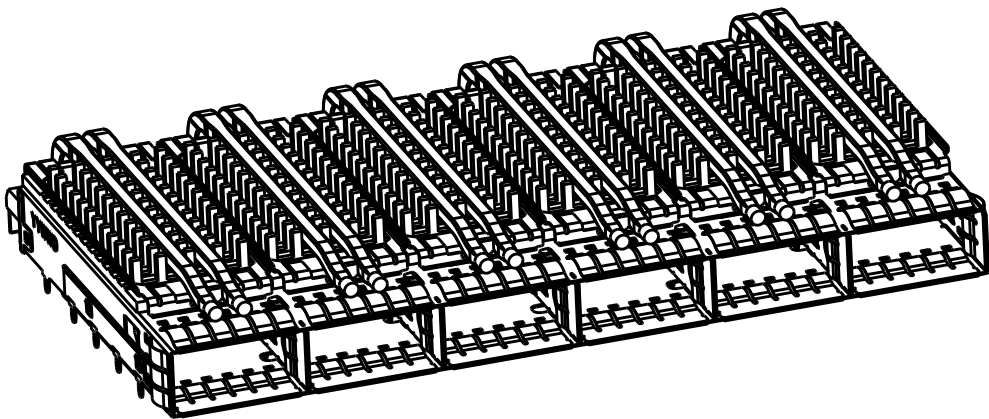


NETWORKING  
SCALE 1:1

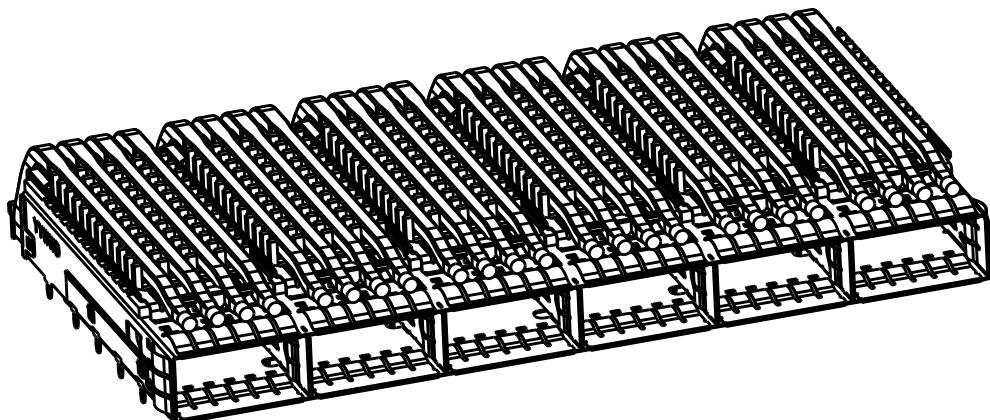
LIGHT PIPE OPTION



SINGLE LIGHT PIPE  
SCALE 1:1

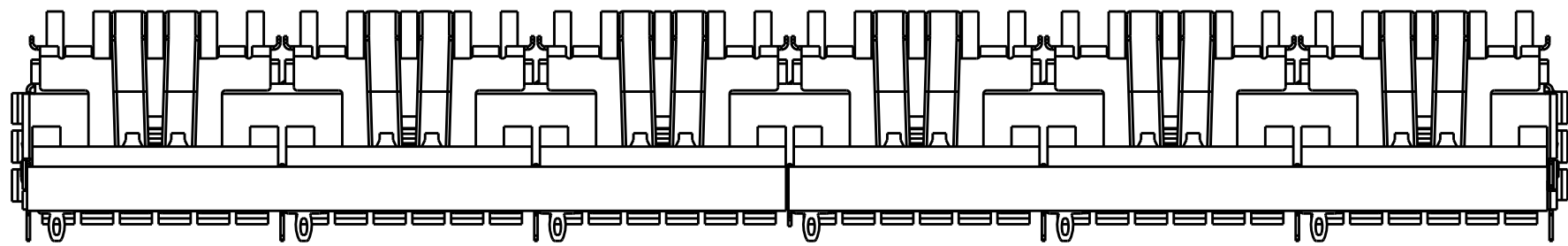


DUAL LIGHT PIPE  
SCALE 1:1

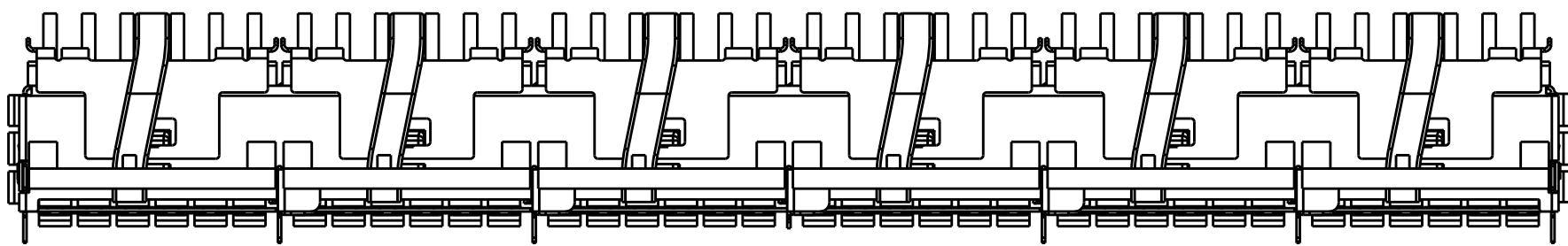


QUAD LIGHT PIPE  
SCALE 1:1

# OF REAR LEGS OPTIONS



1 REAR LEGS  
SCALE 2:1



0 REAR LEGS  
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

0 PLC ±  
1 PLC ±0.25  
2 PLC ±0.2  
3 PLC ±  
4 PLC ±  
ANGLES ±  
FINISH

SEE NOTES  
material\_2

SEE NOTES  
finish\_spec\_2

DWN  
JASON YANG  
24OCT2013

CHK  
SEAN HAN  
02NOV2016

APVD

PRODUCT SPEC  
108-19428

APPLICATION SPEC  
114-32023

WEIGHT

CUSTOMER DRAWING

TE Connectivity

NAME  
CAGE ASSEMBLY, 1X6, QSFP28  
WITH HEAT SINKS AND LIGHT PIPES,  
THRU BEZEL, EMI SPRING

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C-2170708

RESTRICTED TO

SCALE 3:1

SHEET 2 OF 9

REV B

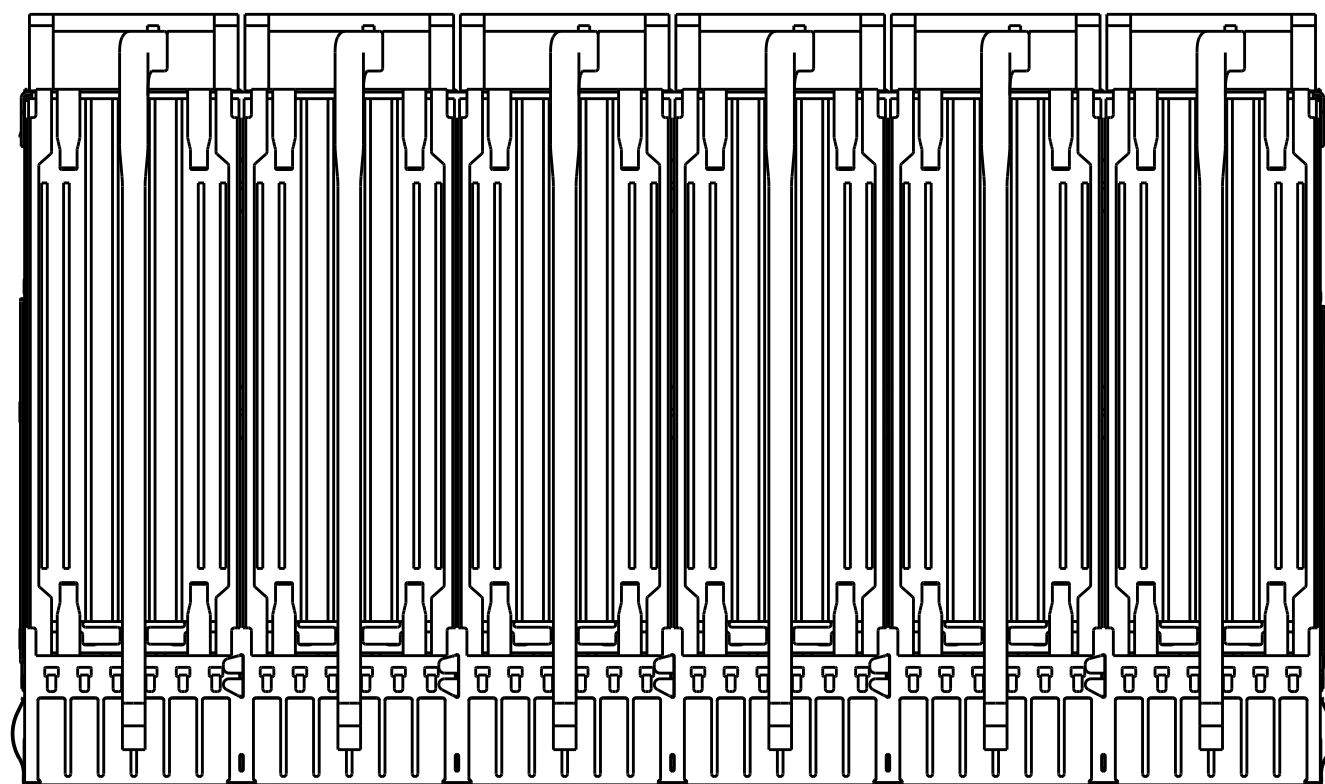
D

C

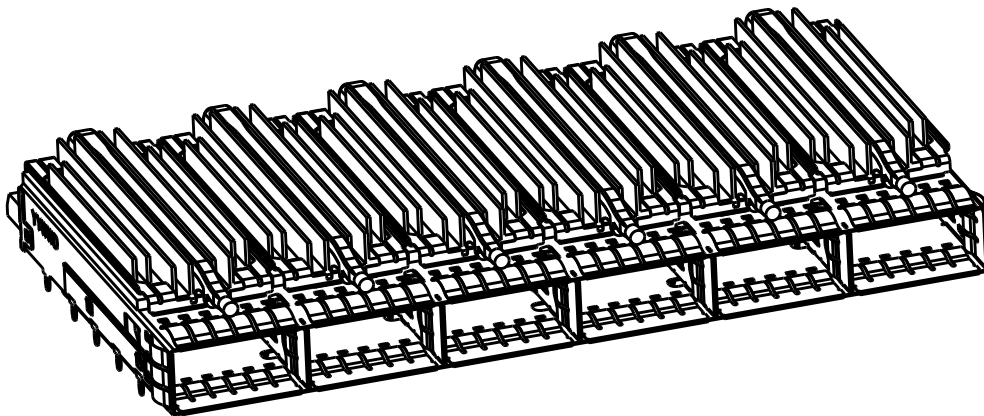
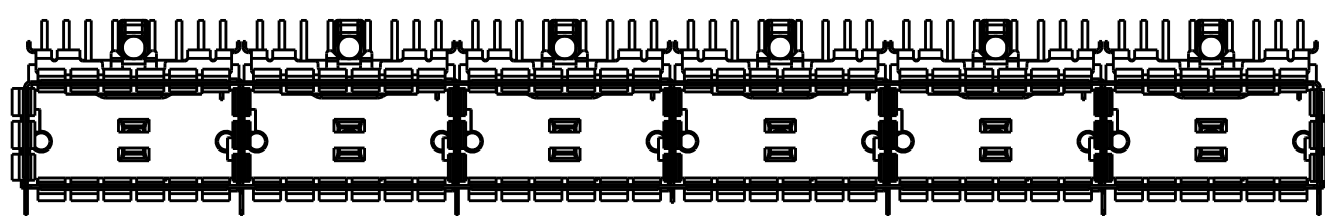
B

A

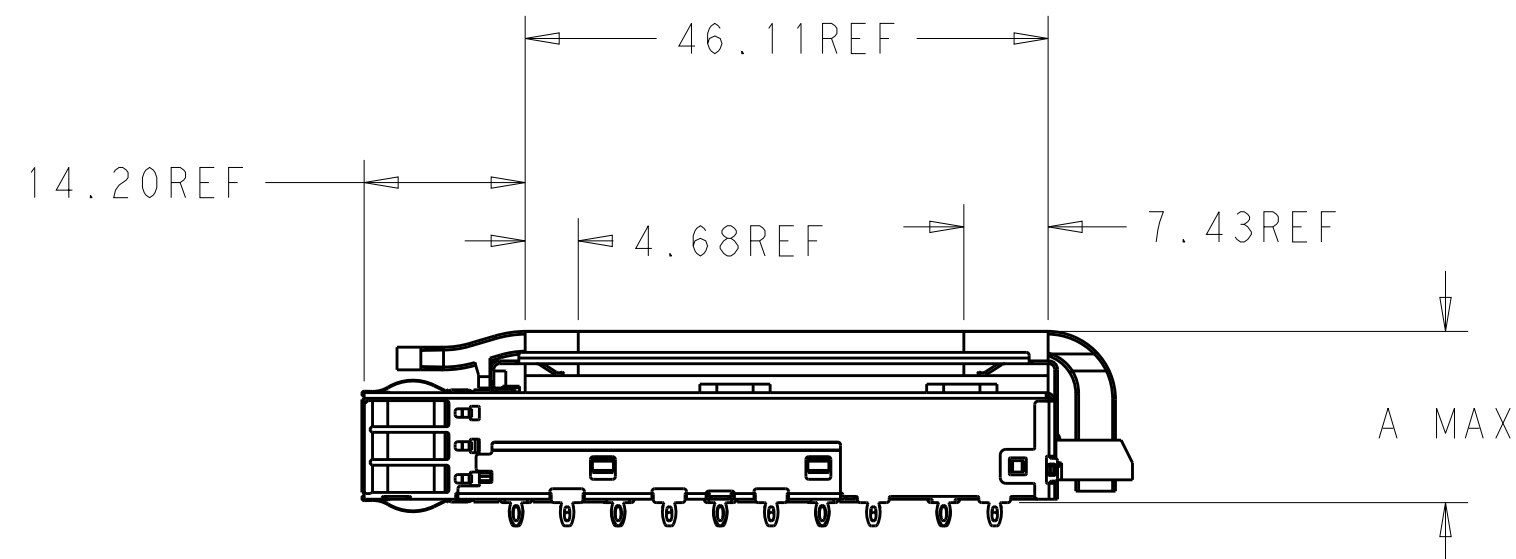
5-2170708-5 UNMARKED DIMENIONS SAME AS 2170708-1



SCALE 3:2



5-2170708-5  
SCALE 1:1



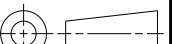
D

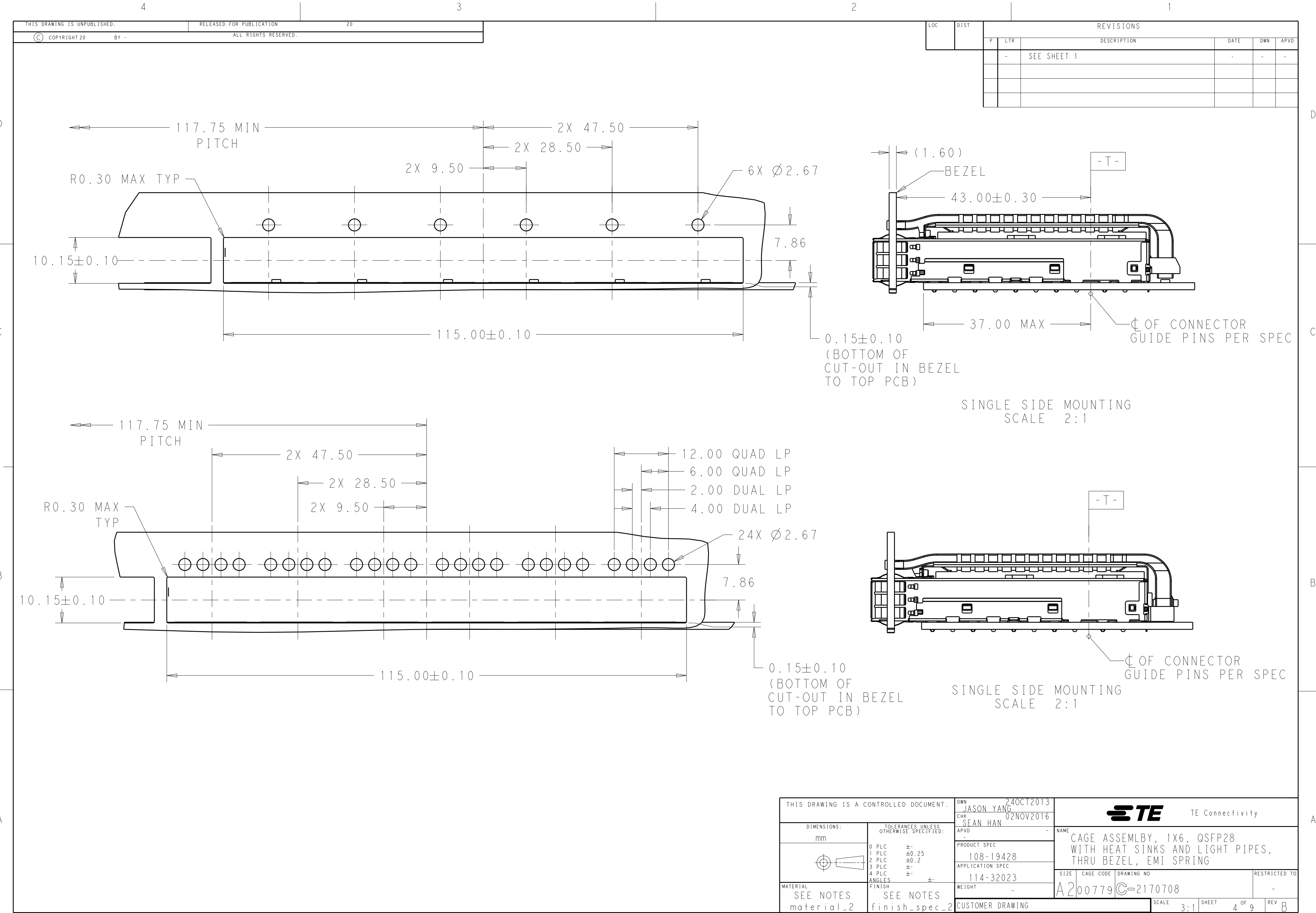
C

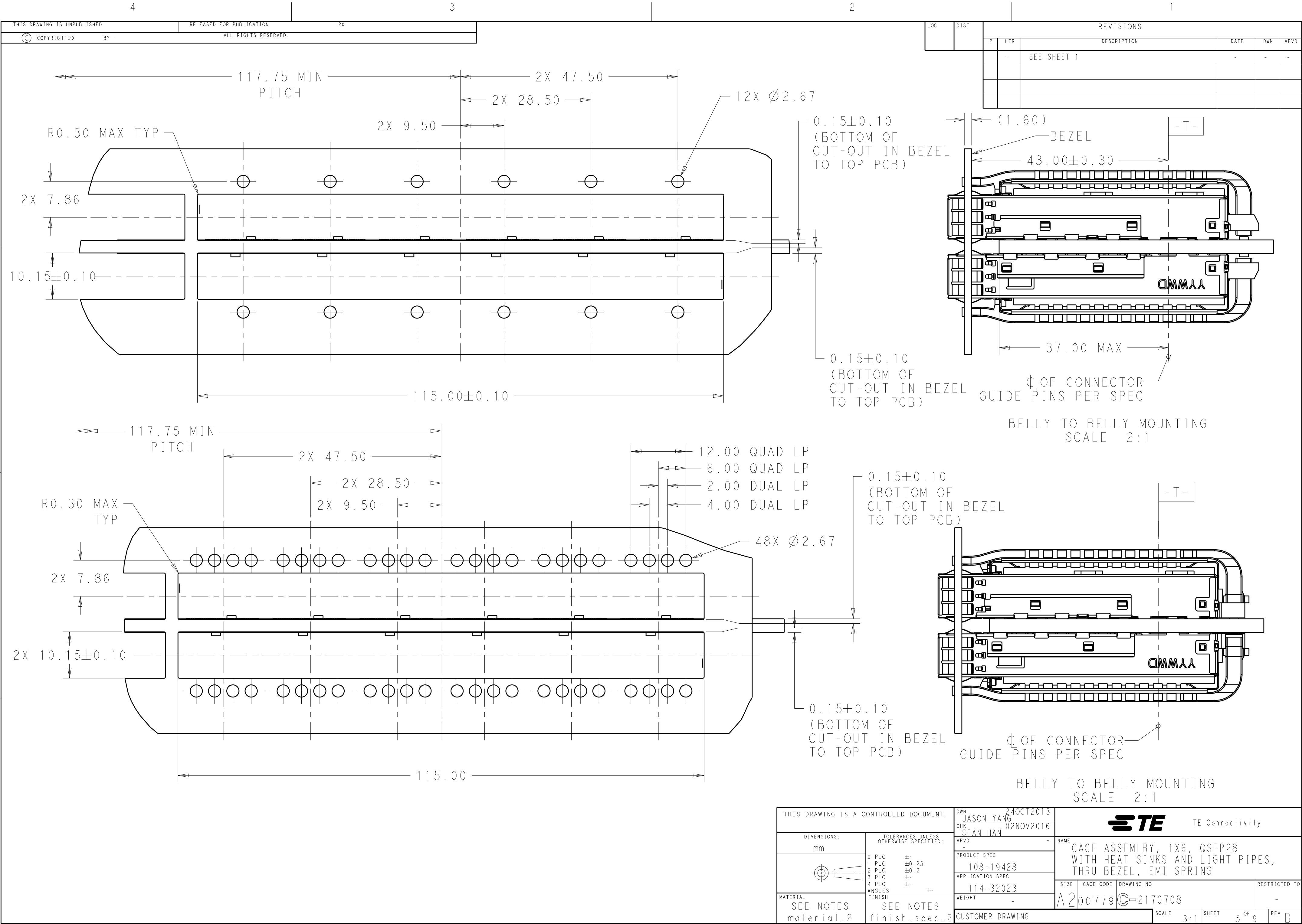
B

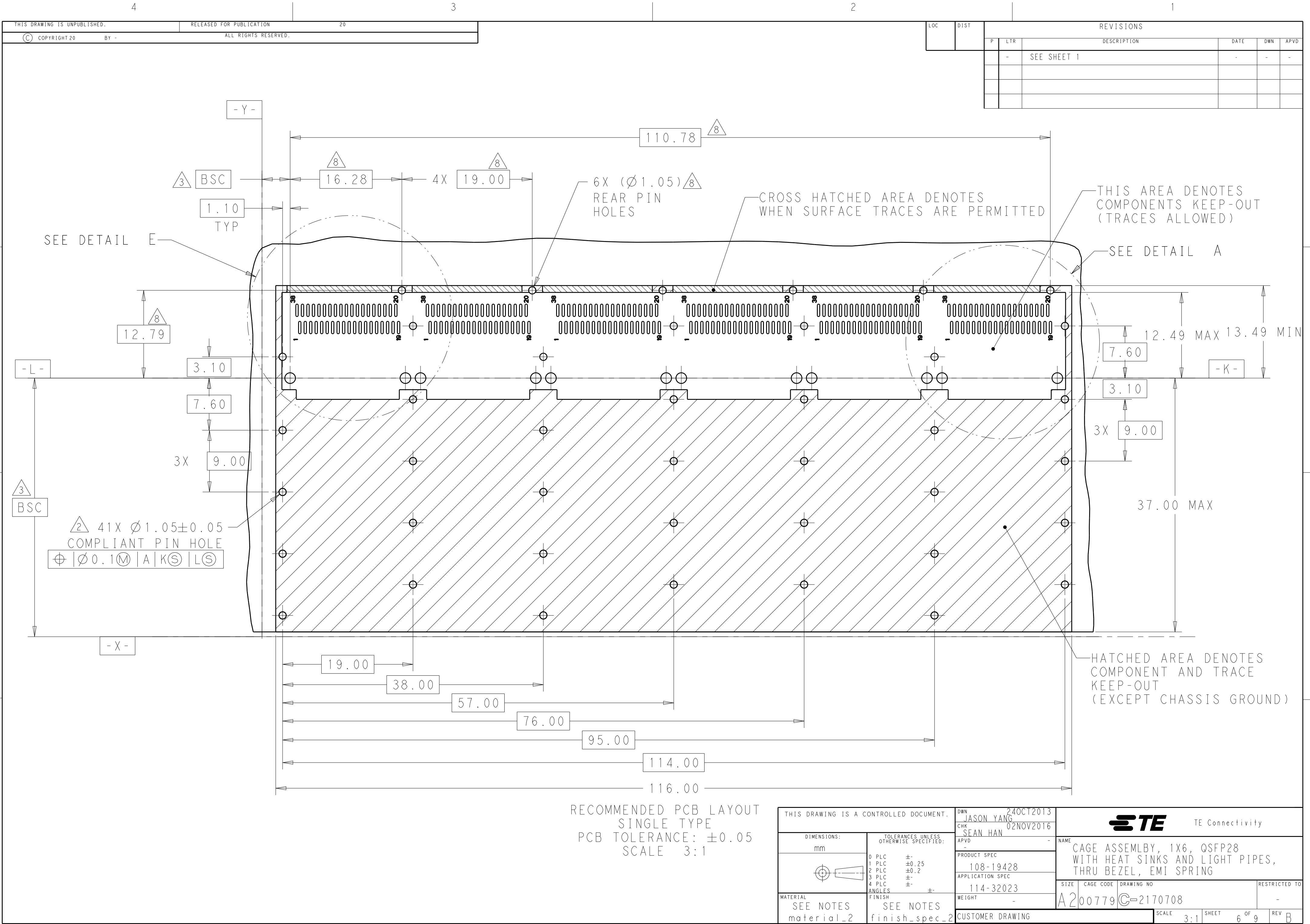
A

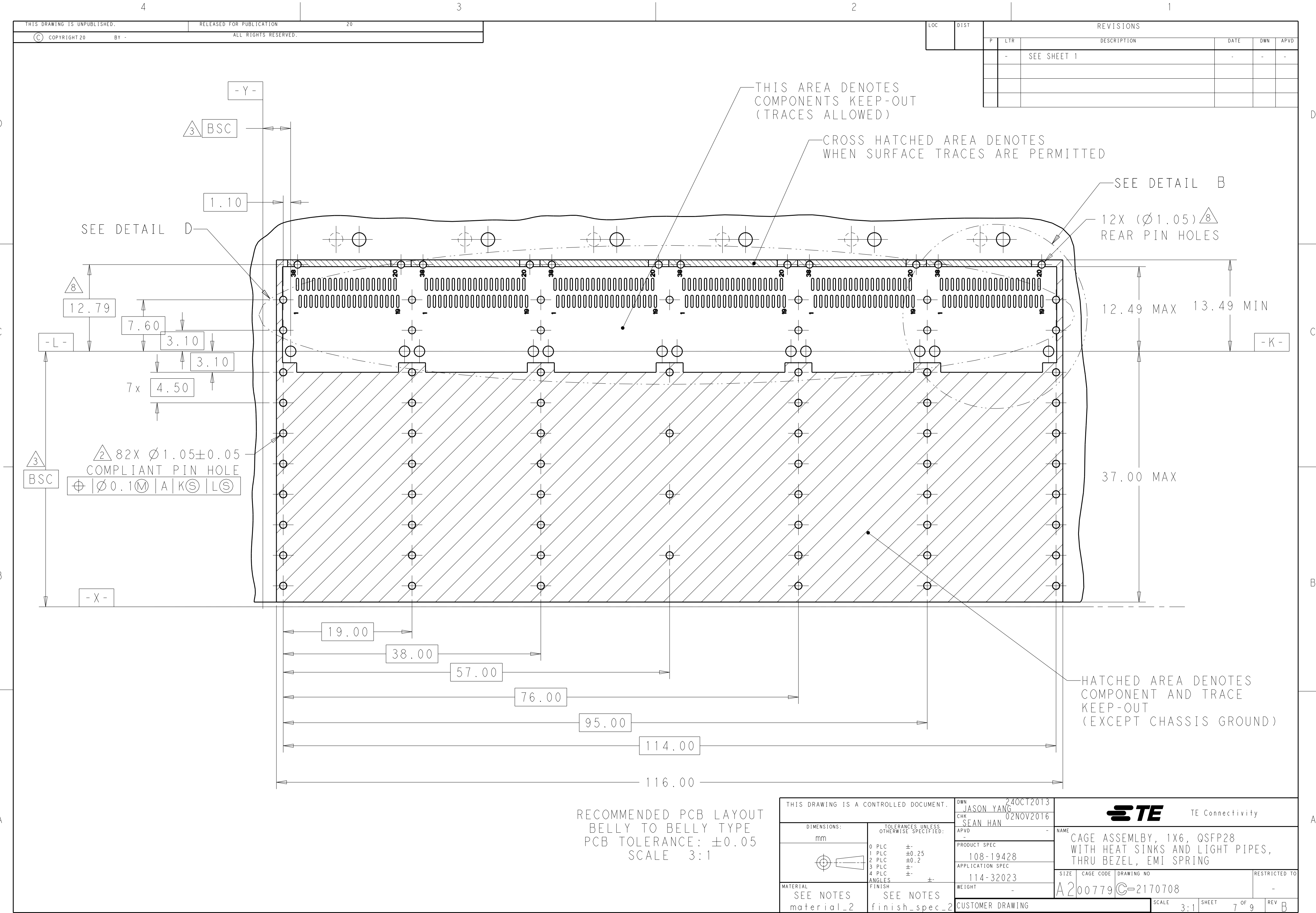
|               |       |                   |                   |             |
|---------------|-------|-------------------|-------------------|-------------|
| 0             | 16    | FIN TYPE , SAN    | SINGLE            | 5-2170708-5 |
| 1             | 14.9  | CUSTOMER SPECIFIC | QUAD              | 4-2170708-7 |
| 0             | 23.0  | NETWORKING        | QUAD              | 4-2170708-6 |
| 0             | 16.0  | SAN               | QUAD              | 4-2170708-5 |
| 0             | 13.7  | PCI               | QUAD              | 4-2170708-4 |
| 1             | 23.0  | NETWORKING        | QUAD              | 4-2170708-3 |
| 1             | 16.0  | SAN               | QUAD              | 4-2170708-2 |
| 1             | 13.7  | PCI               | QUAD              | 4-2170708-1 |
| 0             | 16.5  | CUSTOMIZED        | DUAL              | 2-2170708-7 |
| 0             | 23.0  | NETWORKING        | DUAL              | 2-2170708-6 |
| 0             | 16.0  | SAN               | DUAL              | 2-2170708-5 |
| 0             | 13.7  | PCI               | DUAL              | 2-2170708-4 |
| 1             | 23.0  | NETWORKING        | DUAL              | 2-2170708-3 |
| 1             | 16.0  | SAN               | DUAL              | 2-2170708-2 |
| 1             | 13.7  | PCI               | DUAL              | 2-2170708-1 |
| 1             | 14.9  | CUSTOMER SPECIFIC | SINGLE            | 1-2170708-1 |
| 0             | 23.0  | NETWORKING        | SINGLE            | 2170708-6   |
| 0             | 16.0  | SAN               | SINGLE            | 2170708-5   |
| 0             | 13.7  | PCI               | SINGLE            | 2170708-4   |
| 1             | 23.0  | NETWORKING        | SINGLE            | 2170708-3   |
| 1             | 16.0  | SAN               | SINGLE            | 2170708-2   |
| 1             | 13.7  | PCI               | SINGLE            | 2170708-1   |
| # OF REAR PIN | DIM A | APPLICATION       | LIGHT PIPE OPTION | PART NUMBER |

|                                                                                       |  |                                                                            |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 24OCT2013<br>JASON YANG                                                |  TE Connectivity |  |
|                                                                                       |  | CHK 02NOV2016<br>SEAN HAN                                                  |                                                                                                       |  |
| DIMENSIONS:                                                                           |  | APVD -                                                                     | NAME<br>CAGE ASSEMBLY, 1X6, QSFP28<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, EMI SPRING      |  |
| mm                                                                                    |  | PRODUCT SPEC<br>108-19428                                                  |                                                                                                       |  |
|  |  | 1 PLC ±-<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±-<br>4 PLC ±-<br>ANGLES ±- | SIZE CAGE CODE DRAWING NO<br>A200779C-2170708                                                         |  |
|                                                                                       |  | FINISH                                                                     |                                                                                                       |  |
| MATERIAL<br>SEE NOTES<br>material_2                                                   |  | WEIGHT<br>-                                                                | SCALE 3:1 SHEET 3 OF 9 REV B                                                                          |  |
| SEE NOTES<br>finish_spec_2                                                            |  | CUSTOMER DRAWING                                                           |                                                                                                       |  |

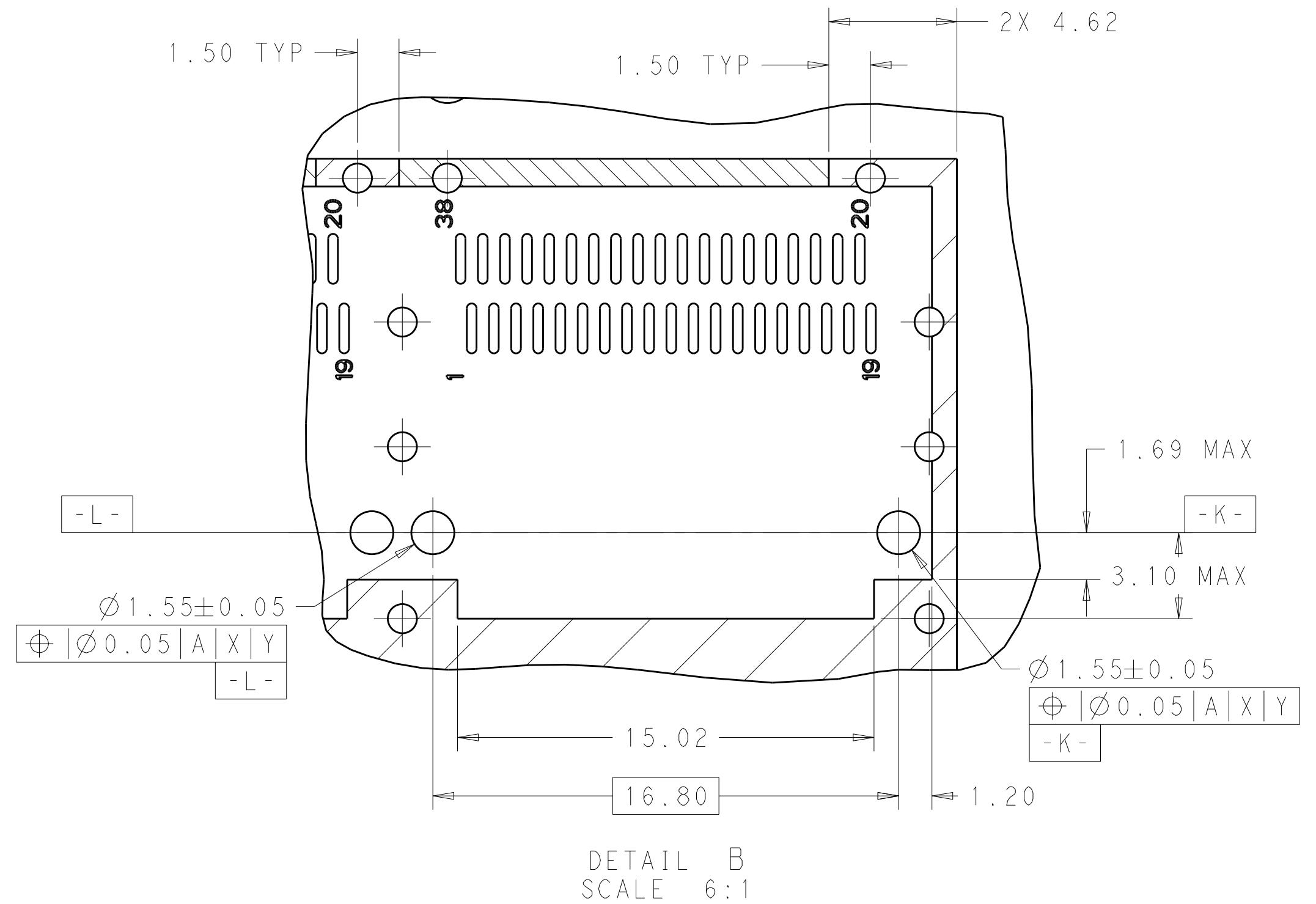


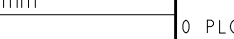


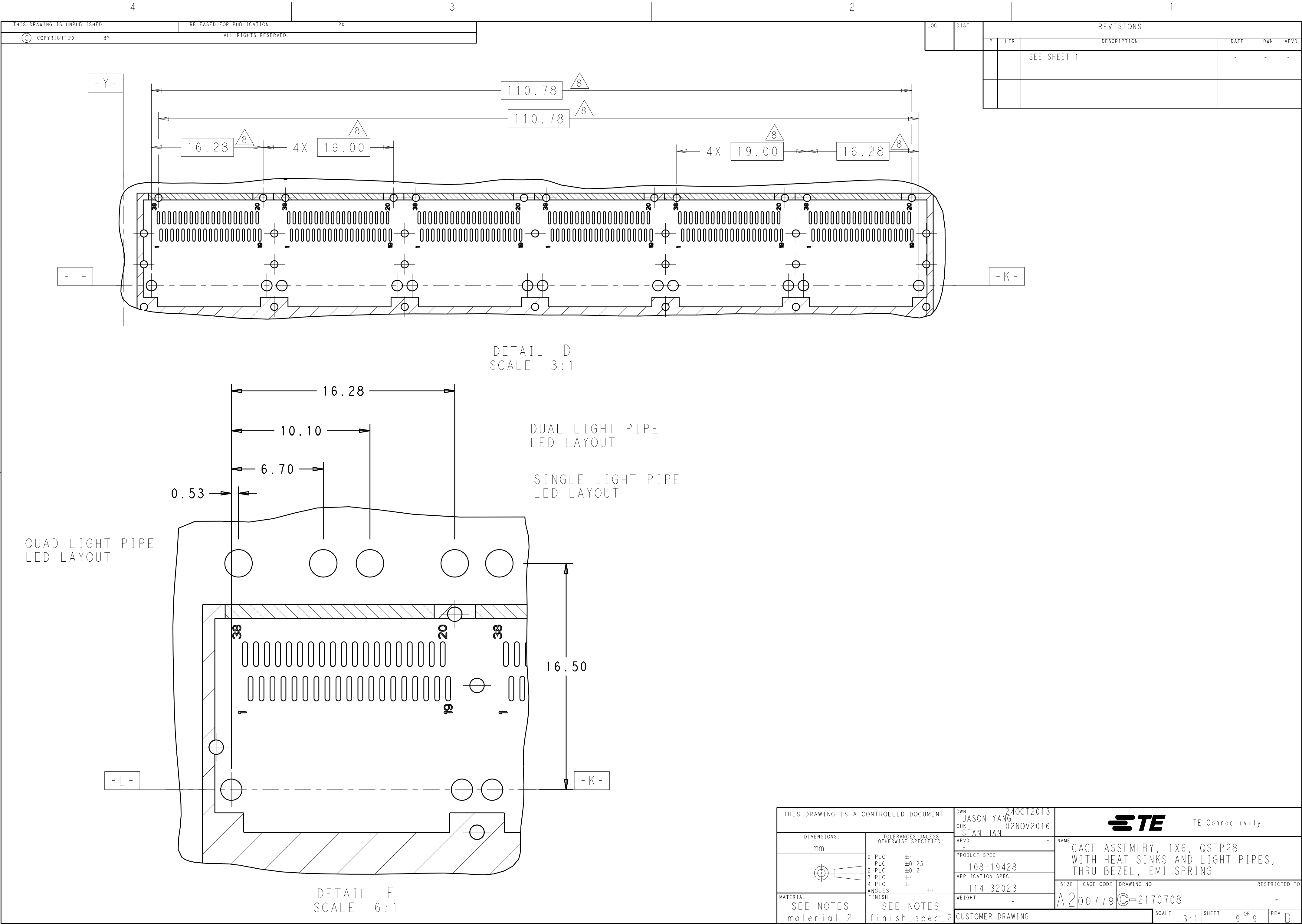




| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



|                                                                                       |  |                                        |  |                                                                                                       |                 |
|---------------------------------------------------------------------------------------|--|----------------------------------------|--|-------------------------------------------------------------------------------------------------------|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 24OCT2013<br>JASON YANG            |  |  TE Connectivity |                 |
|                                                                                       |  | CHK 02NOV2016<br>SEAN HAN              |  |                                                                                                       |                 |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | NAME<br>CAGE ASSEMBLY, 1X6, QSFP28<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, EMI SPRING      |                 |
| mm                                                                                    |  | APVD -                                 |  |                                                                                                       |                 |
|  |  | PRODUCT SPEC<br>108-19428              |  |                                                                                                       |                 |
|                                                                                       |  | APPLICATION SPEC<br>114-32023          |  |                                                                                                       |                 |
| MATERIAL                                                                              |  | WEIGHT -                               |  | SIZE A2                                                                                               | CAGE CODE 00779 |
| FINISH                                                                                |  |                                        |  | DRAWING NO C-2170708                                                                                  | RESTRICTED TO - |
| SEE NOTES material_2                                                                  |  | SEE NOTES finish_spec-2                |  | CUSTOMER DRAWING                                                                                      |                 |
|                                                                                       |  |                                        |  | SCALE 3:1                                                                                             | SHEET 8 OF 9    |
|                                                                                       |  |                                        |  | REV B                                                                                                 |                 |



# Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[2170708-4](#)