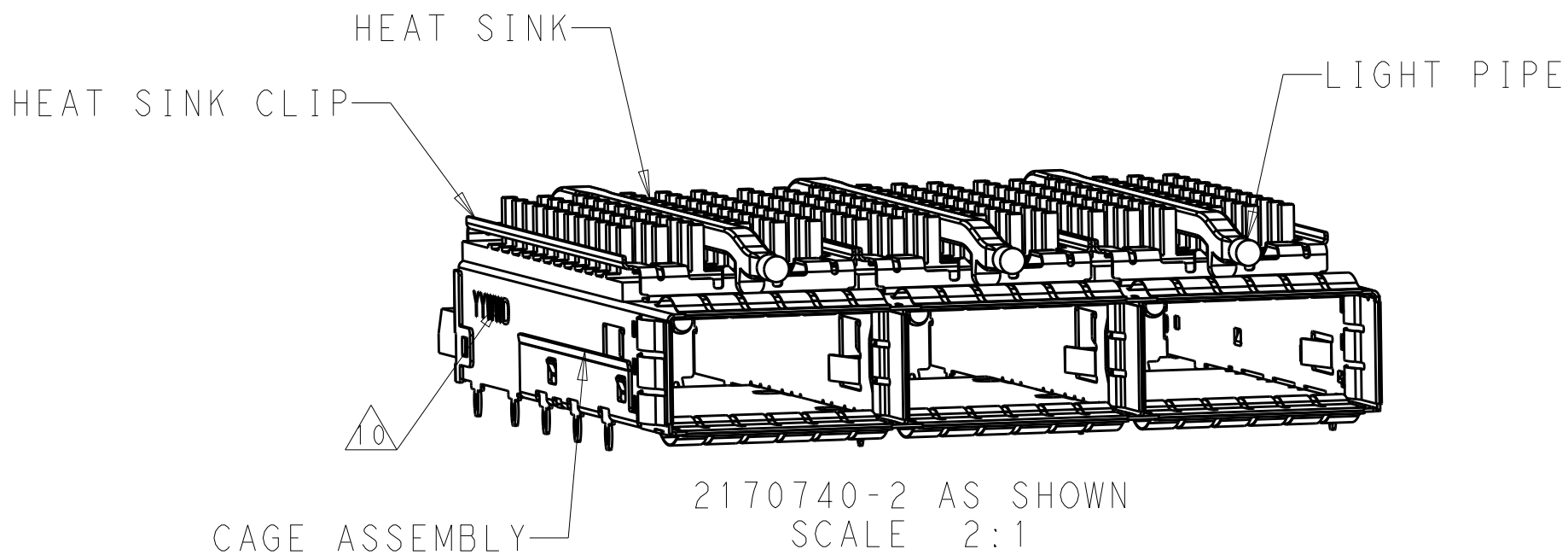
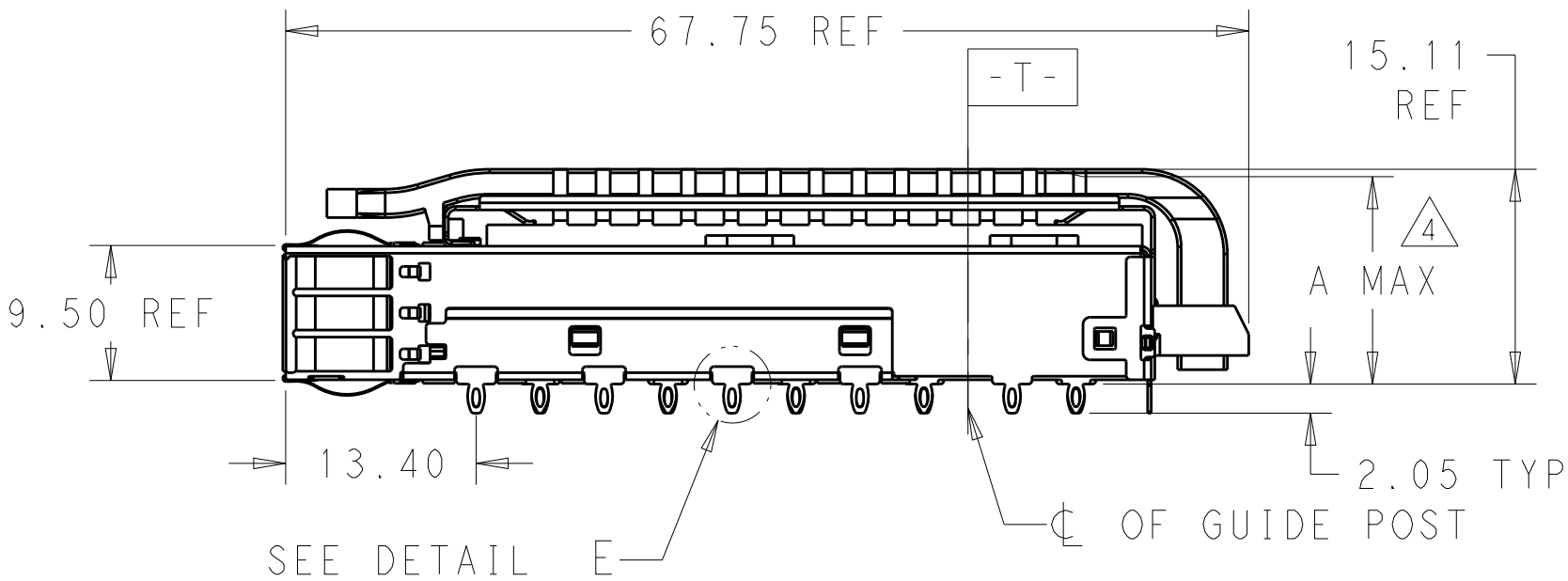
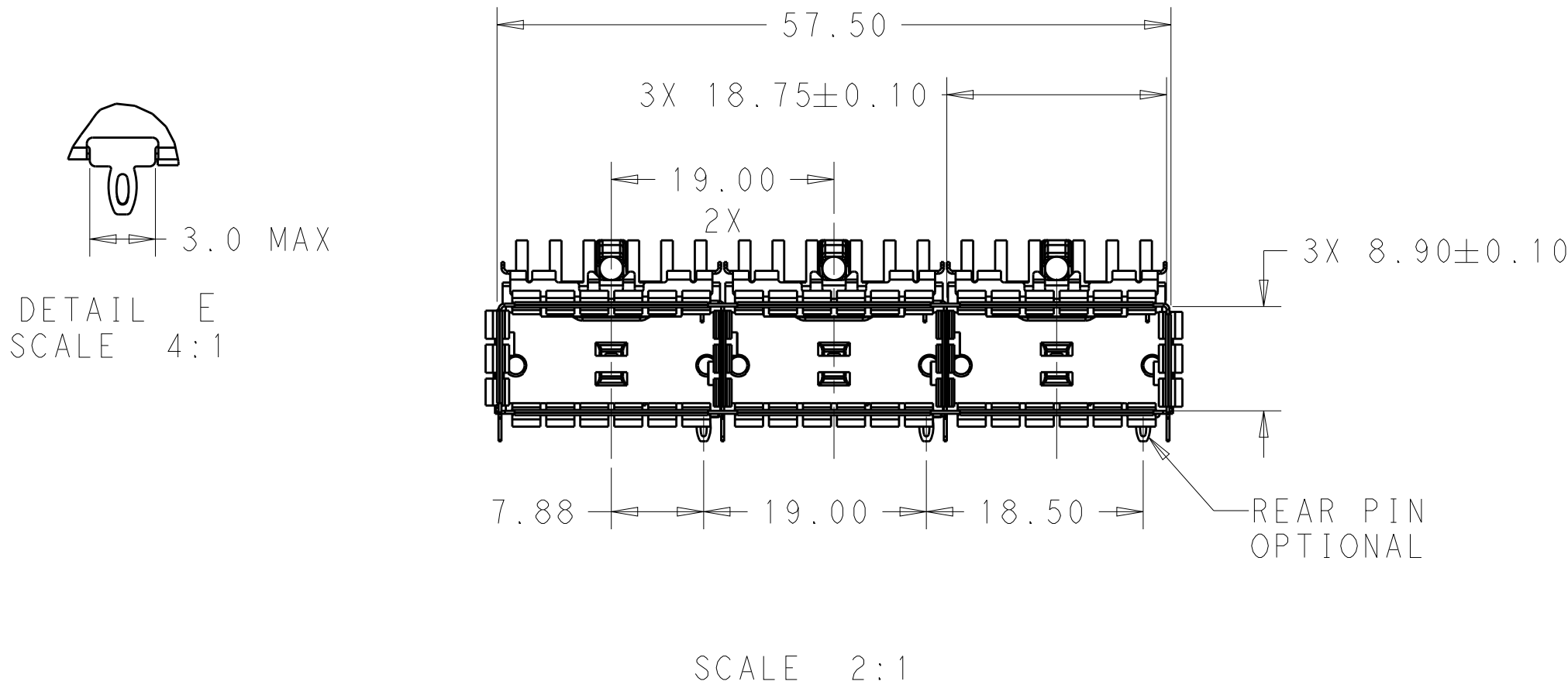


| LOC | DIST | REVISIONS |     |             |           |     |      |
|-----|------|-----------|-----|-------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE      | DWN | APVD |
| GP  | 00   |           | A   | RELEASE     | 01NOV2016 | JY  | SH   |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |



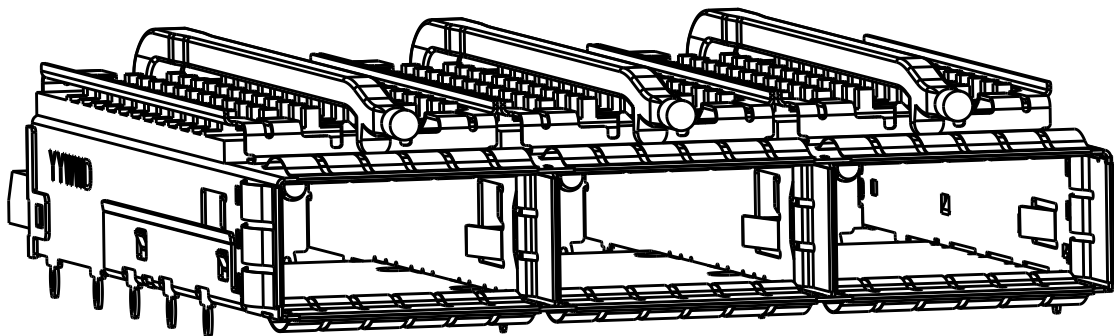
1. COMPONENTS  
CAGE ASSEMBLY: NICKEL-SILVER ALLOY  
HEAT SINK: ALUMINUM/BLACK ANODIZE  
HEAT SINK CLIP: STAINLESS STEEL  
EMI SPRING: COPPER ALLOY/NICKEL PLATE  
LIGHT PIPE: CLEAR POLYCARBONATE  
ORGANIZER: POLYESTER WITH UL 94V-0
2. REFERENCE APPLICATION SPECIFICATION 114-32023  
FOR RECOMMENDED DRILL 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.
11. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.



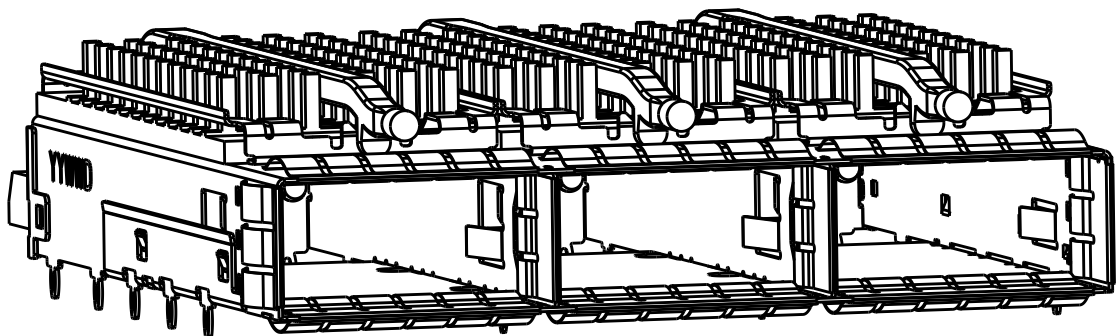
|                                        |  |                                                                                  |                                                                                                 |                 |                        |                    |
|----------------------------------------|--|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------|------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>BING LIU<br>22APR2014                                                     | TE Connectivity                                                                                 |                 |                        |                    |
|                                        |  | CHK<br>JASON YANG<br>22APR2014                                                   |                                                                                                 |                 |                        |                    |
|                                        |  | APVD<br>SEAN HAN<br>22FEB2016                                                    | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, 1X3, QSFP28 |                 |                        |                    |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                        | PRODUCT SPEC<br>108-19428                                                                       | SIZE<br>A200779 | CAGE CODE<br>C-2170740 | RESTRICTED TO<br>- |
|                                        |  | 0 PLC ±<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH | APPLICATION SPEC<br>114-32023                                                                   | DRAWING NO      |                        |                    |
| MATERIAL                               |  |                                                                                  | WEIGHT<br>-                                                                                     | SCALE 1:1       |                        |                    |
| SEE NOTES                              |  | SEE NOTES                                                                        | CUSTOMER DRAWING                                                                                | SHEET 1         | OF 9                   | REV A              |

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

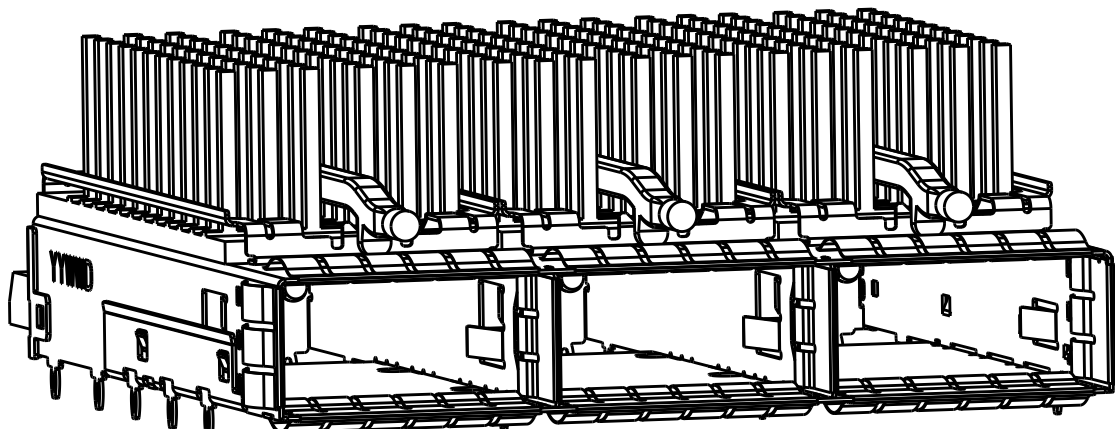
HEAT SINK OPTION



PCI HEAT SINK  
SCALE 2:1

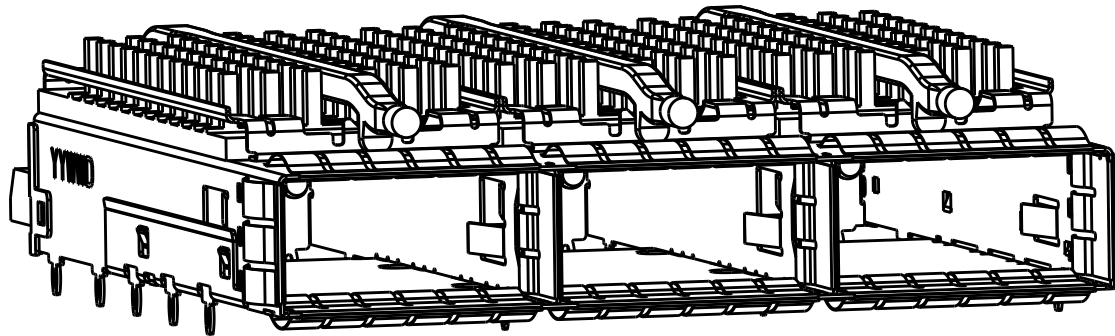


SAN HEAT SINK  
SCALE 2:1

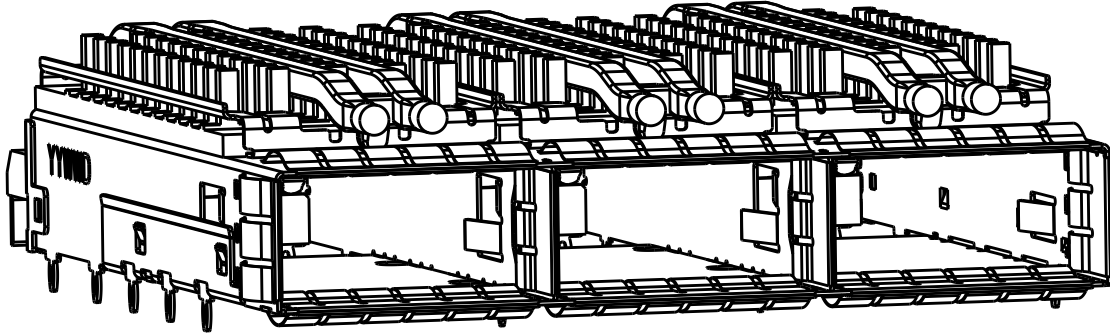


NETWORKING  
SCALE 2:1

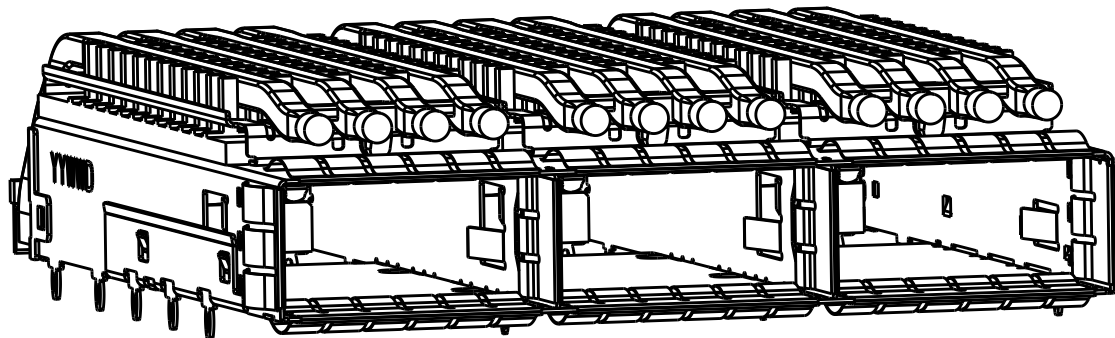
LIGHT PIPE OPTION



SINGLE LIGHT PIPE  
SCALE 2:1

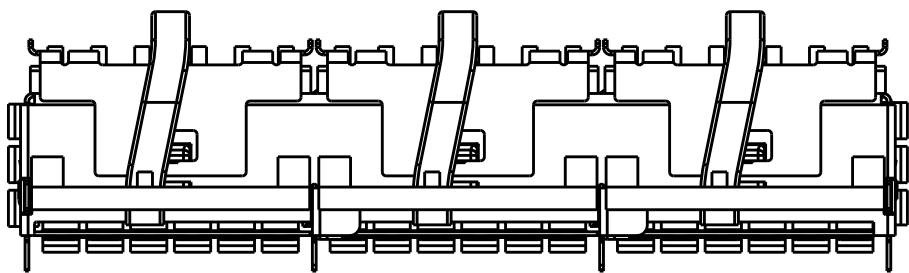


DUAL LIGHT PIPE  
SCALE 2:1

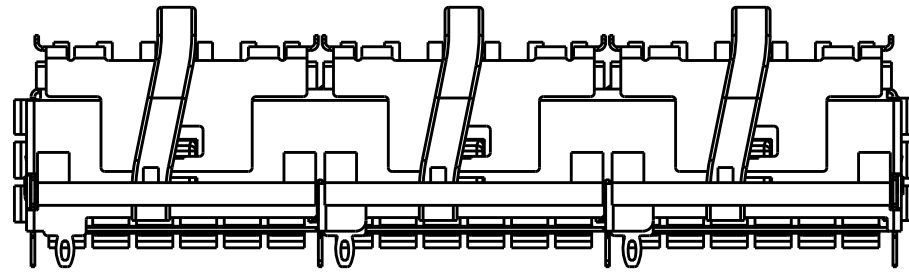


QUAD LIGHT PIPE  
SCALE 2:1

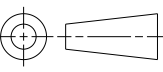
# OF REAR LEGS OPTIONS



0 REAR PIN  
SCALE 2:1



1 REAR PIN  
SCALE 2:1

|                                                                                                                  |  |                                |                                                                                                       |              |                         |          |
|------------------------------------------------------------------------------------------------------------------|--|--------------------------------|-------------------------------------------------------------------------------------------------------|--------------|-------------------------|----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                           |  | DWN<br>BING LIU<br>22APR2014   |  TE Connectivity |              |                         |          |
| DIMENSIONS:<br>mm                                                                                                |  | CHK<br>JASON YANG<br>22APR2014 |                                                                                                       |              |                         |          |
|                             |  | APVD<br>SEAN HAN<br>22FEB2016  | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, 1X3, QSFP28       |              |                         |          |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±<br>4 PLC ±<br>ANGLES ± |  | PRODUCT SPEC<br>108-19428      | SIZE<br>114-32023                                                                                     |              | CAGE CODE<br>A200779    |          |
| MATERIAL<br>SEE NOTES<br>material_2                                                                              |  | APPLICATION SPEC<br>114-32023  | WEIGHT<br>-                                                                                           |              | DRAWING NO<br>C-2170740 |          |
| FINISH<br>SEE NOTES<br>finish_spec_2                                                                             |  | CUSTOMER DRAWING               |                                                                                                       | SCALE<br>1:1 | SHEET<br>2 OF 9         | REV<br>A |

4

3

2

1

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LOC

DIST

REVISIONS

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

|       |               |             |                   |             |
|-------|---------------|-------------|-------------------|-------------|
| 16.0  | 1             | SAN         | COATED QUAD LP    | 5-2170740-2 |
| 13.7  | 1             | PCI         | COATED QUAD LP    | 5-2170740-1 |
| 14.9  | 1             | CUSTOMIZED  | QUAD LP           | 4-2170740-7 |
| 23.0  | 0             | NETWORKING  | QUAD LP           | 4-2170740-6 |
| 16.0  | 0             | SAN         | QUAD LP           | 4-2170740-5 |
| 13.7  | 0             | PCI         | QUAD LP           | 4-2170740-4 |
| 23.0  | 1             | NETWORKING  | QUAD LP           | 4-2170740-3 |
| 16.0  | 1             | SAN         | QUAD LP           | 4-2170740-2 |
| 13.7  | 1             | PCI         | QUAD LP           | 4-2170740-1 |
| 23.0  | 0             | NETWORKING  | DUAL LP           | 2-2170740-6 |
| 16.0  | 0             | SAN         | DUAL LP           | 2-2170740-5 |
| 13.7  | 0             | PCI         | DUAL LP           | 2-2170740-4 |
| 23.0  | 1             | NETWORKING  | DUAL LP           | 2-2170740-3 |
| 16.0  | 1             | SAN         | DUAL LP           | 2-2170740-2 |
| 13.7  | 1             | PCI         | DUAL LP           | 2-2170740-1 |
| 16.0  | 1             | SAN         | N/A               | 1-2170740-2 |
| 14.9  | 1             | CUTOMIZED   | SINGLE LP         | 1-2170740-1 |
| 23.0  | 0             | NETWORKING  | SINGLE LP         | 2170740-6   |
| 16.0  | 0             | SAN         | SINGLE LP         | 2170740-5   |
| 13.7  | 0             | PCI         | SINGLE LP         | 2170740-4   |
| 23.0  | 1             | NETWORKING  | SINGLE LP         | 2170740-3   |
| 16.0  | 1             | SAN         | SINGLE LP         | 2170740-2   |
| 13.7  | 1             | PCI         | SINGLE LP         | 2170740-1   |
| DIM A | # OF REAR PIN | APPLICATION | LIGHT PIPE OPTION | PART NUMBER |

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

MATERIAL

SEE NOTES material\_2

FINISH

SEE NOTES finish\_spec\_2

DWN BING LIU 22APR2014

CHK JASON YANG 22APR2014

APVD SEAN HAN 22FEB2016

PRODUCT SPEC

108-19428

APPLICATION SPEC

114-32023

WEIGHT

-

CUSTOMER DRAWING

SCALE 1:1

SHEET 3 OF 9

REV A

TE Connectivity

NAME

RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-2170740

-

1471-9 (3/11)

D

D

C

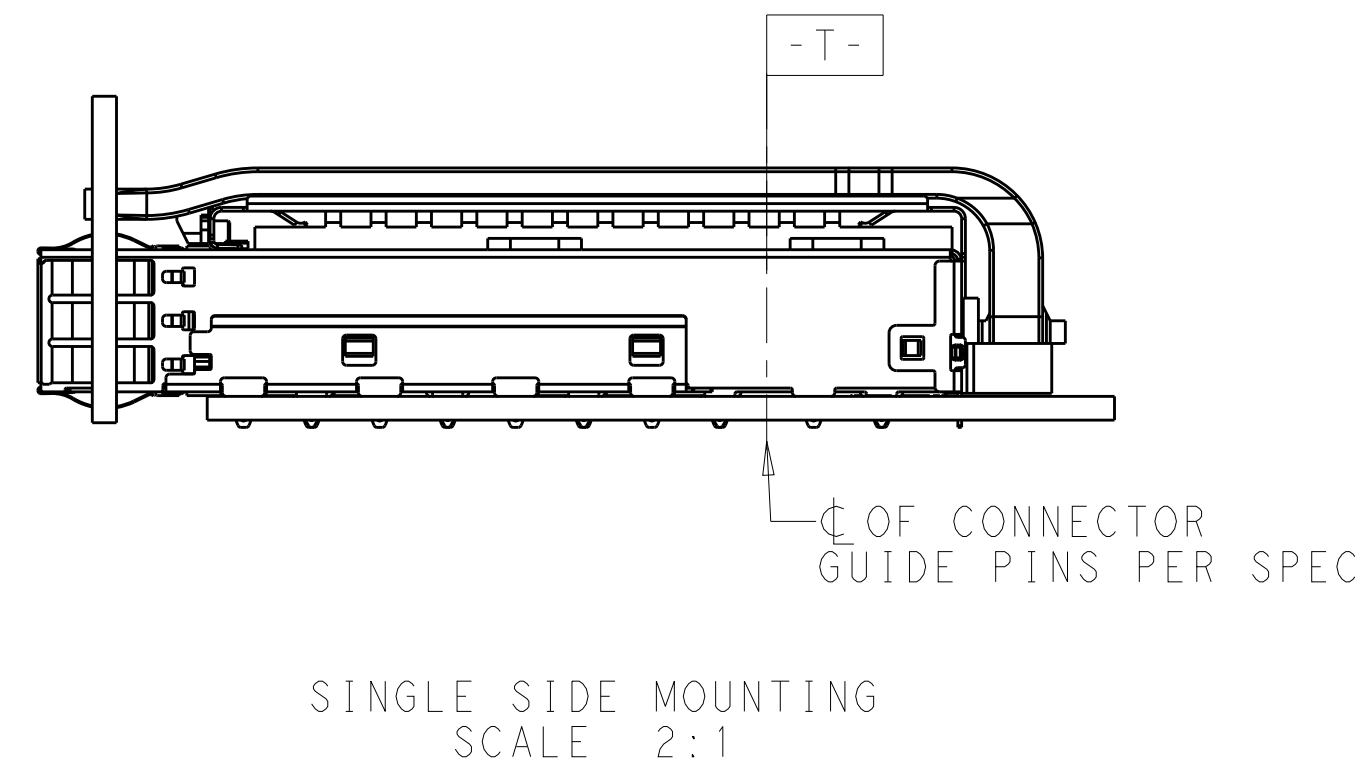
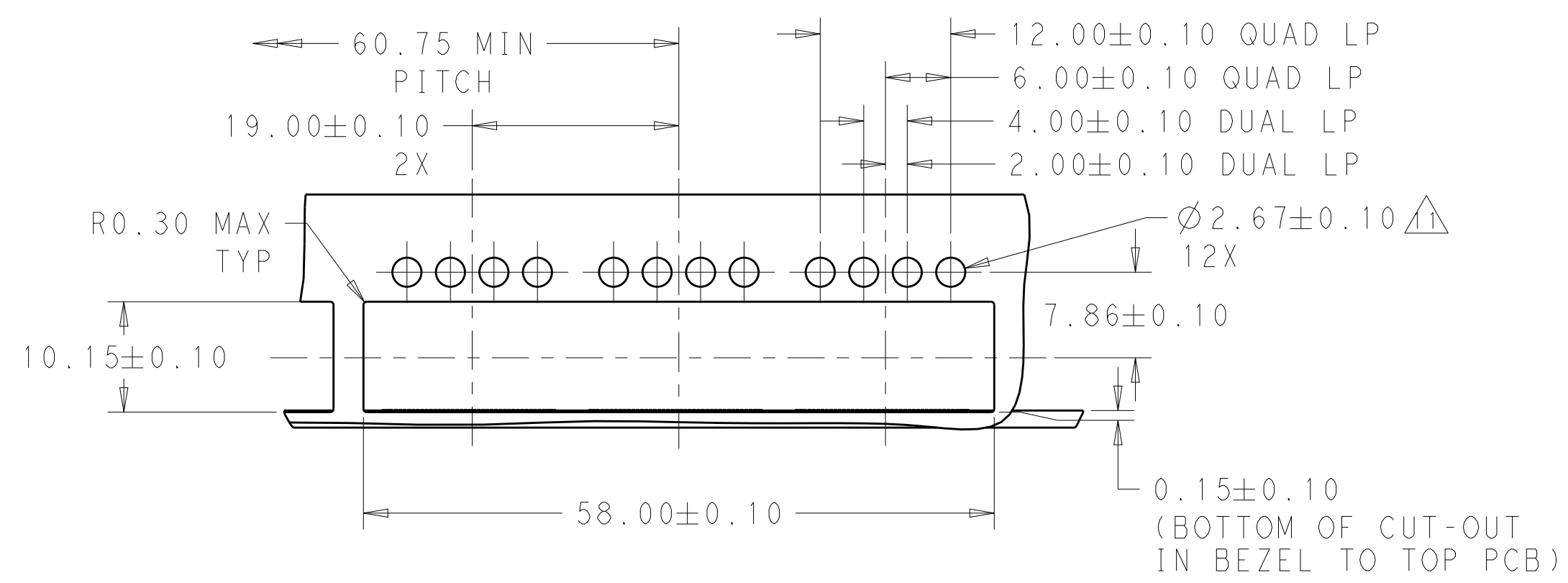
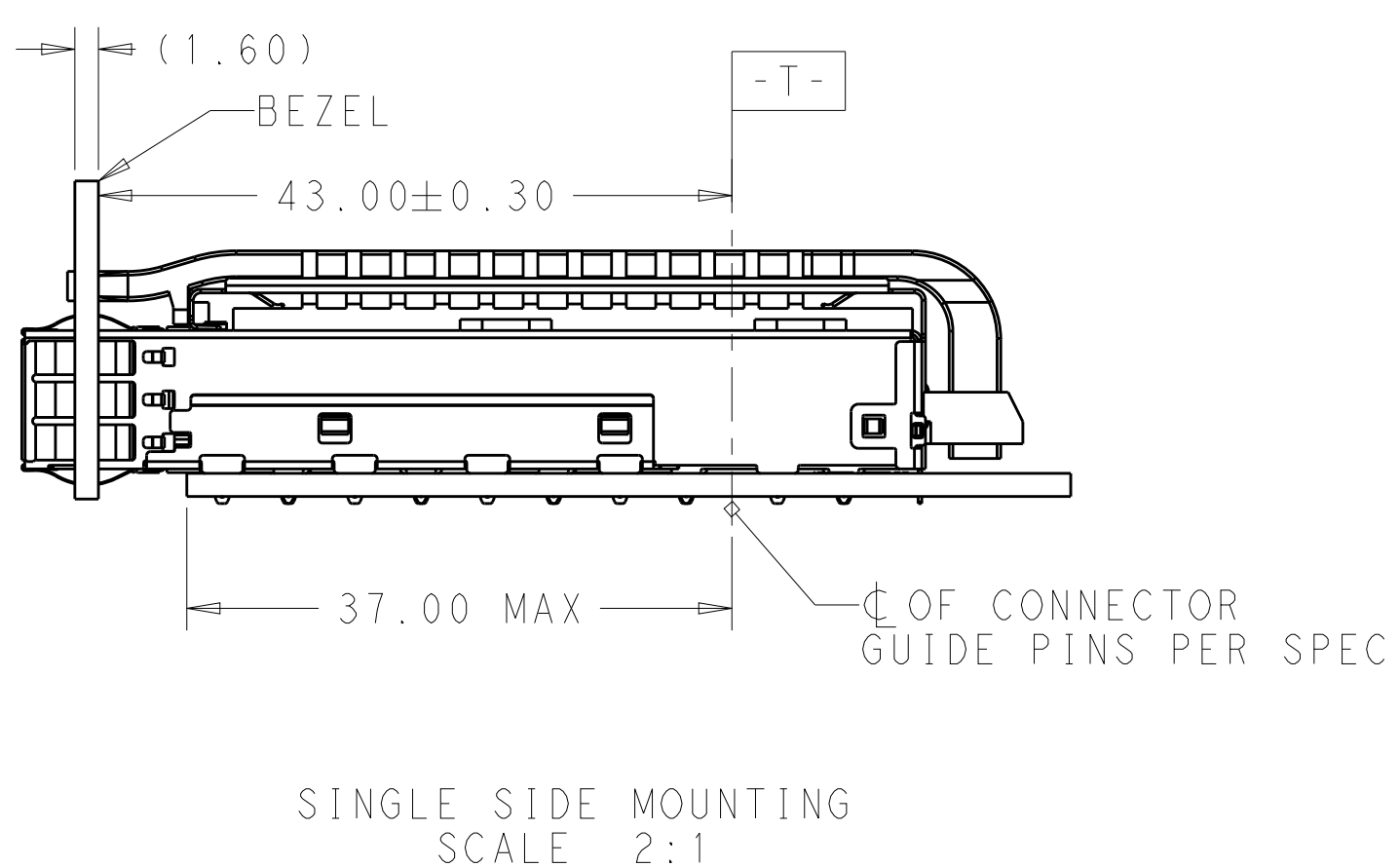
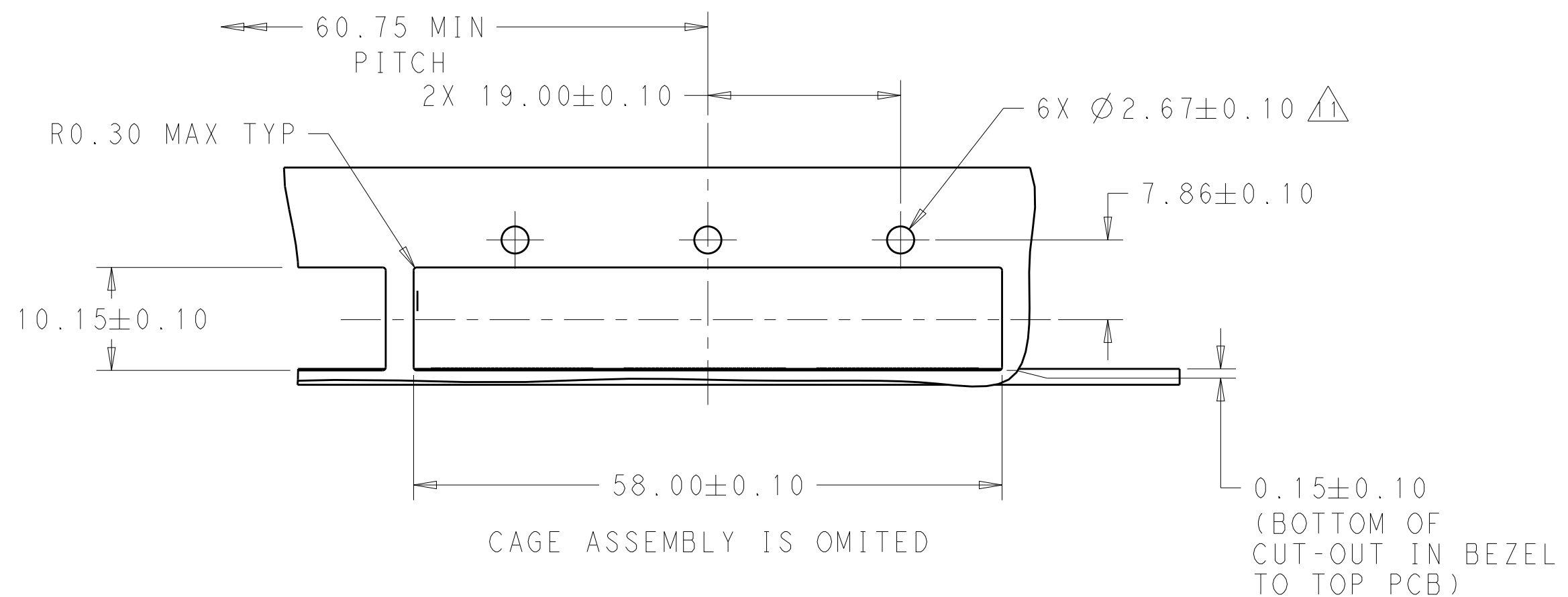
C

B

B

A

A



THIS DRAWING IS A CONTROLLED DOCUMENT.

|                      |                                        |
|----------------------|----------------------------------------|
| DIMENSIONS:          | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
| mm                   | 0 PLC ±                                |
|                      | 1 PLC ±0.25                            |
|                      | 2 PLC ±0.2                             |
|                      | 3 PLC ±                                |
|                      | 4 PLC ±                                |
|                      | ANGLES ±                               |
| MATERIAL             | FINISH                                 |
| SEE NOTES material_2 | SEE NOTES finish_spec_2                |

|                  |            |
|------------------|------------|
| DWN              | 22APR2014  |
| CHK              | BING LIU   |
|                  | 22APR2014  |
| APVD             | JASON YANG |
|                  | 22FEB2016  |
| PRODUCT SPEC     |            |
| 108-19428        |            |
| APPLICATION SPEC |            |
| 114-32023        |            |
| WEIGHT           | -          |
| CUSTOMER DRAWING |            |

TE Connectivity

NAME

RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-2170740

-

SCALE

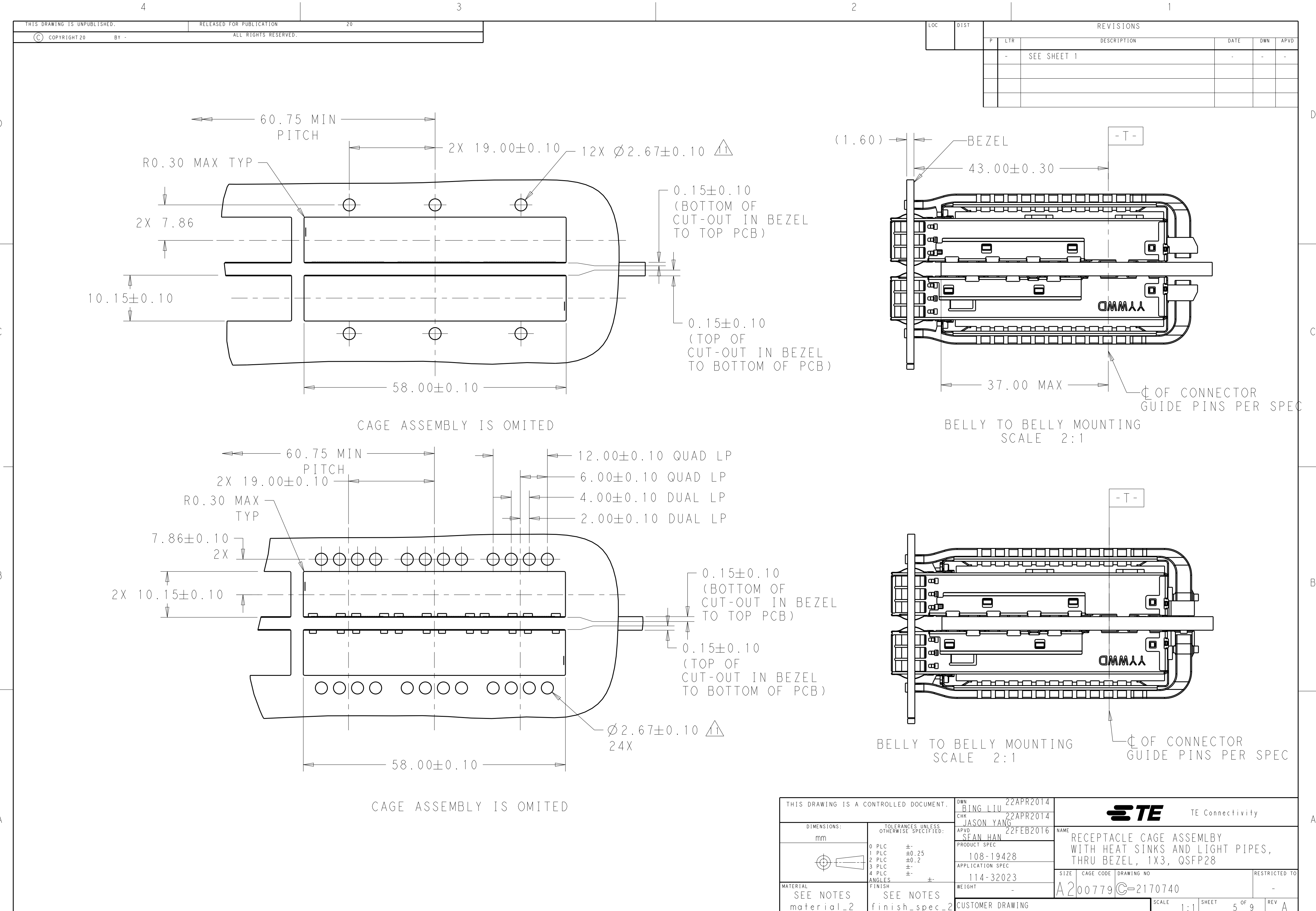
1:1

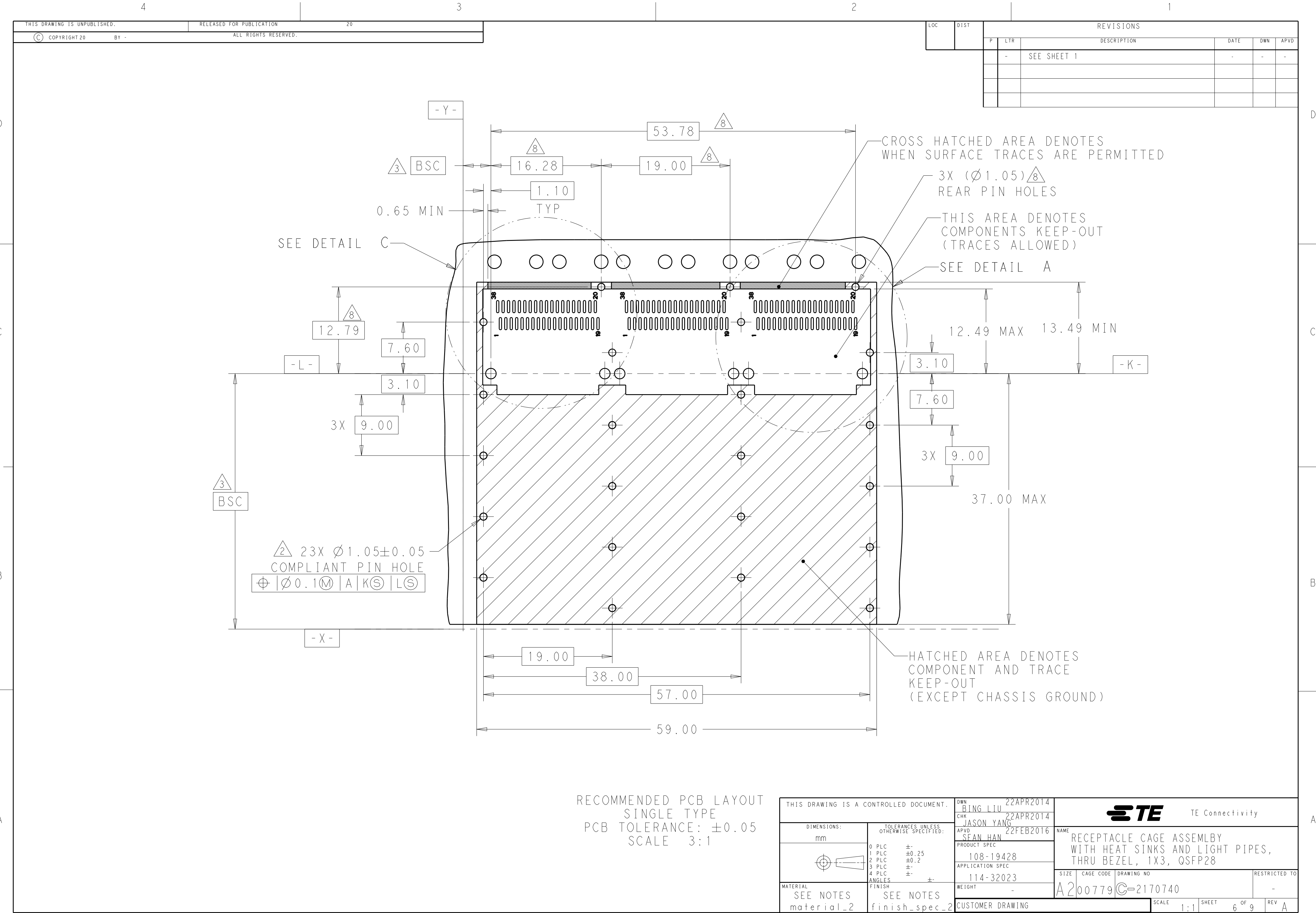
SHEET

4 OF 9

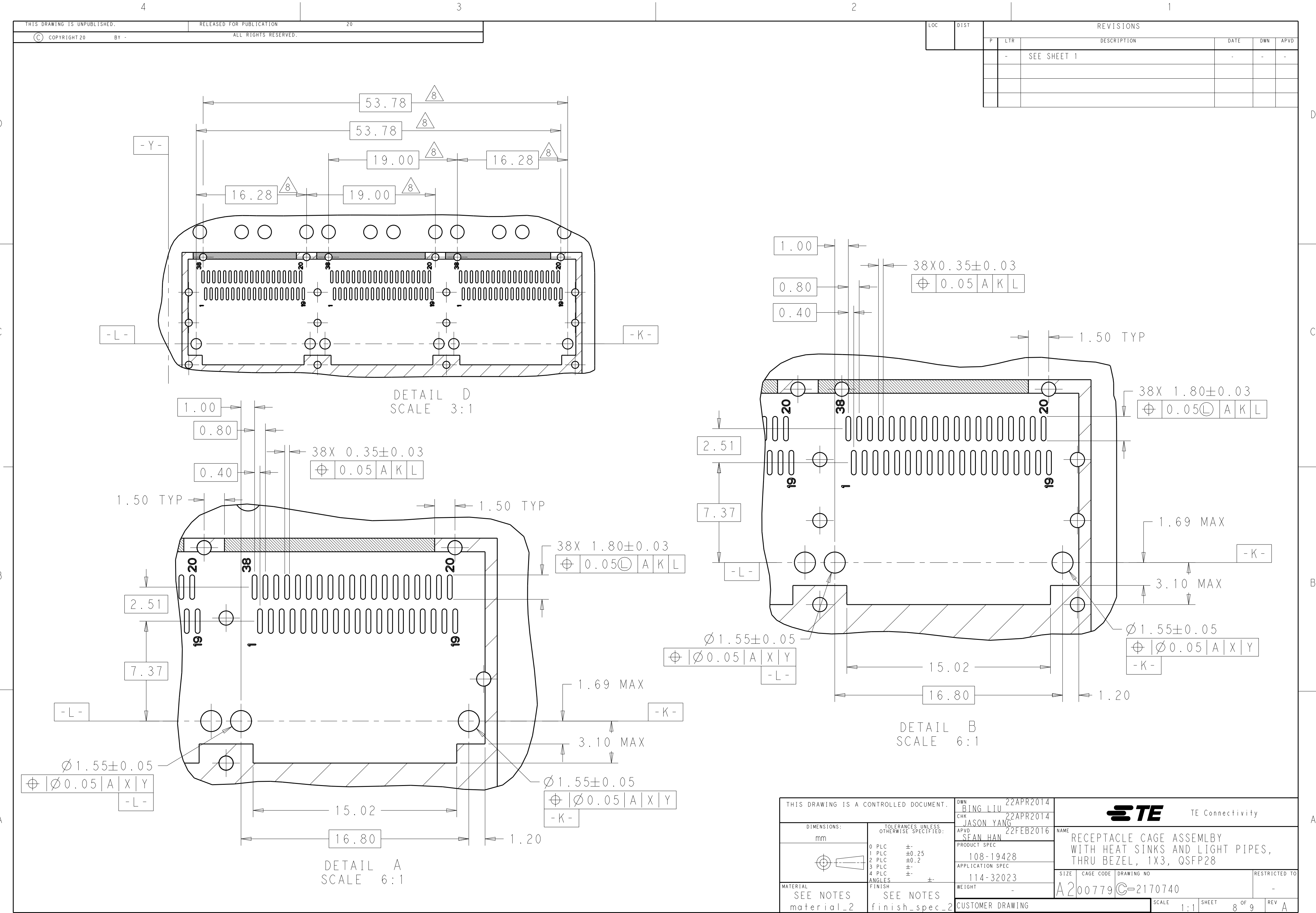
REV

A

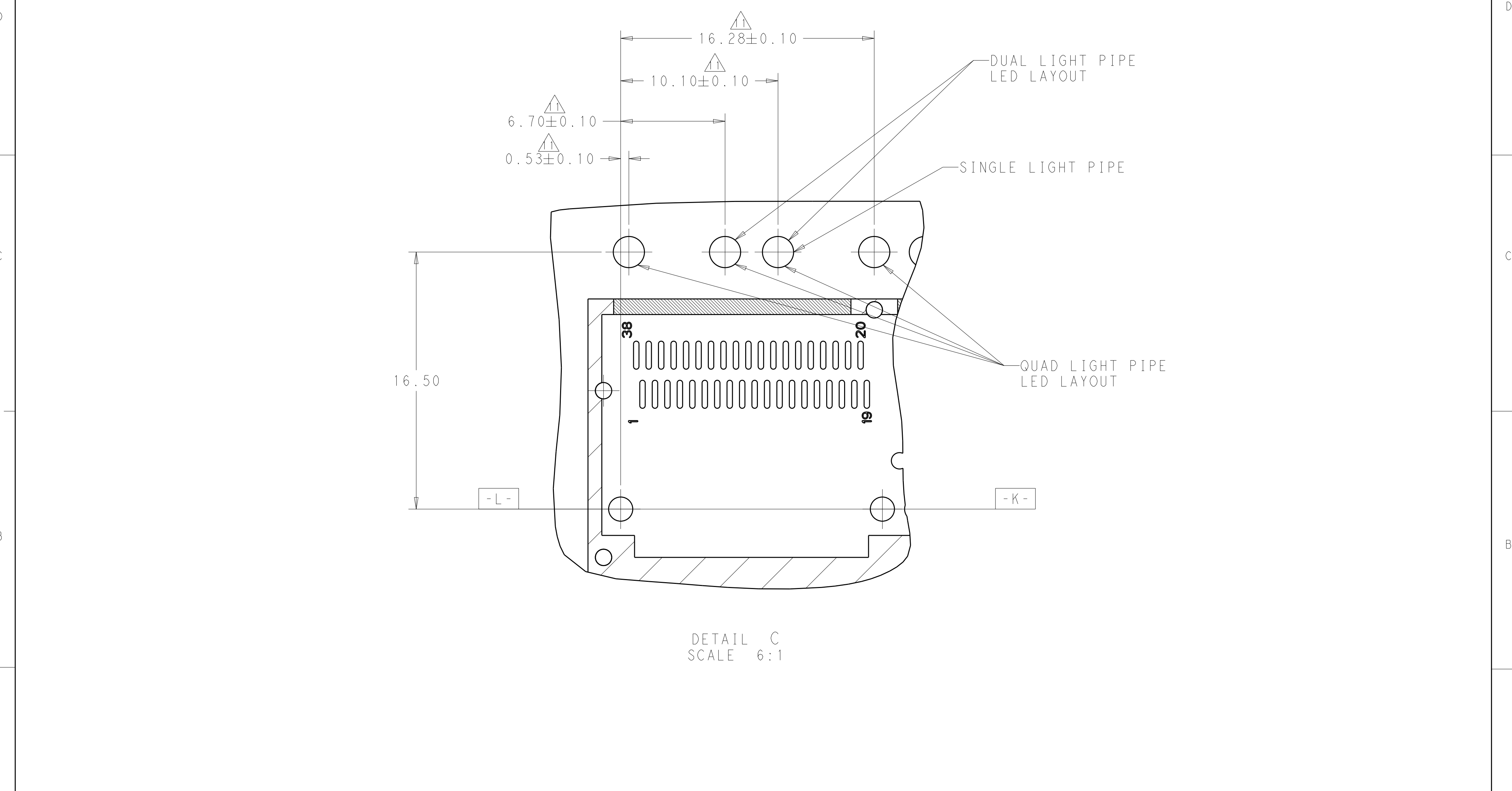




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|  |   |             |   |   |   |
|--|---|-------------|---|---|---|
|  | - | SEE SHEET 1 | - | - | - |
|  |   |             |   |   |   |
|  |   |             |   |   |   |
|  |   |             |   |   |   |



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DWN  
BING LIU  
22APR2014

CHK  
JASON YANG  
22APR2014

APVD  
SEAN HAN  
22FEB2016

RECEPTACLE CAGE ASSEMBLY  
WITH HEAT SINKS AND LIGHT PIPES,  
THRU BEZEL, 1X3, QSFP28

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C-2170740

RESTRICTED TO  
-

DIMENSIONS:  
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL  
SEE NOTES  
material\_2

FINISH  
SEE NOTES  
finish\_spec\_2

CUSTOMER DRAWING

SCALE  
1:1

SHEET  
9 OF 9

REV  
A

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