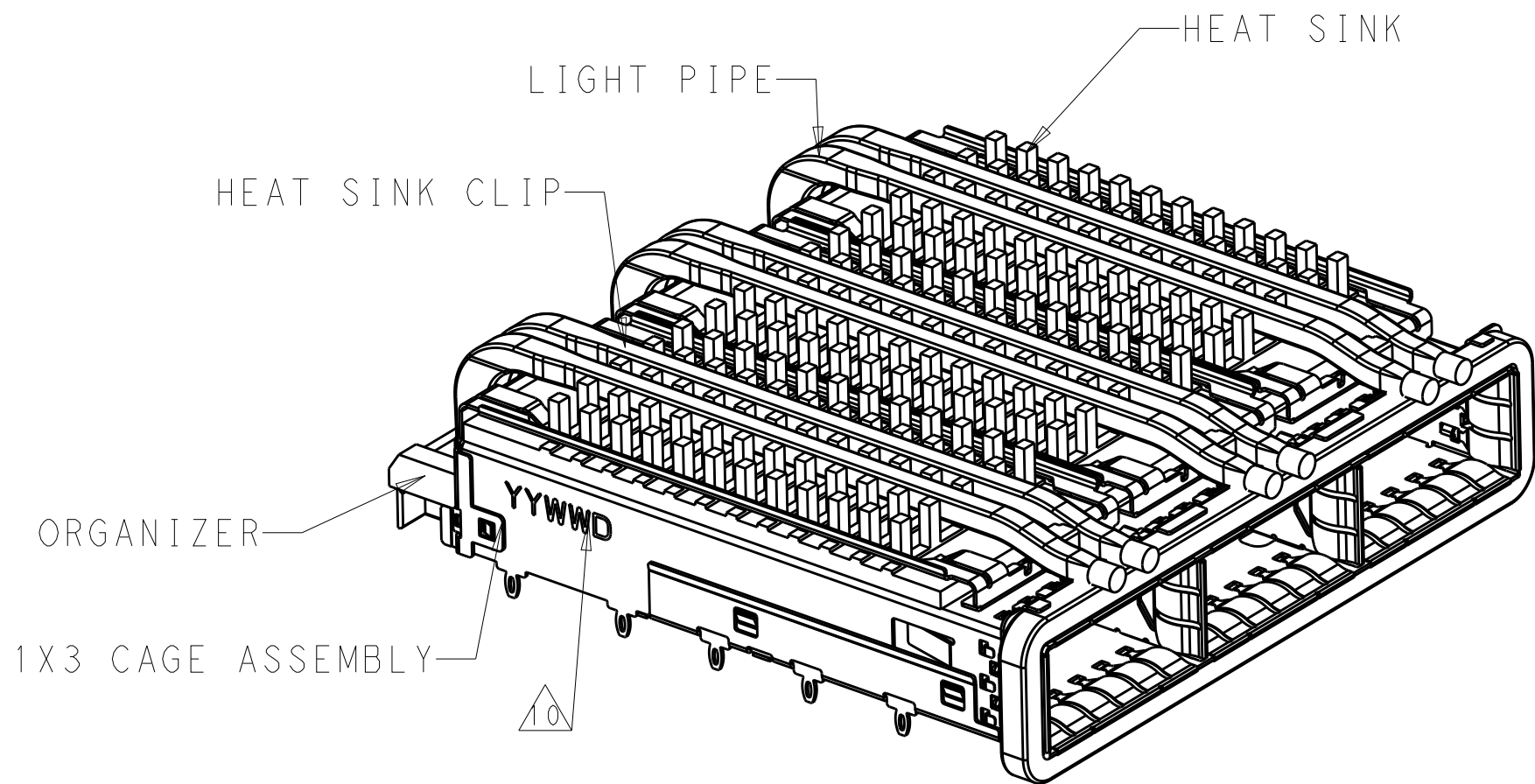
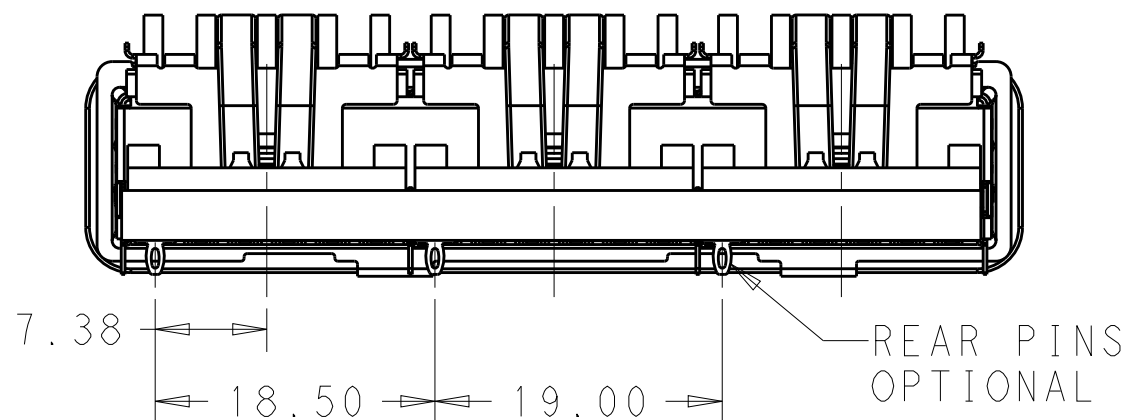
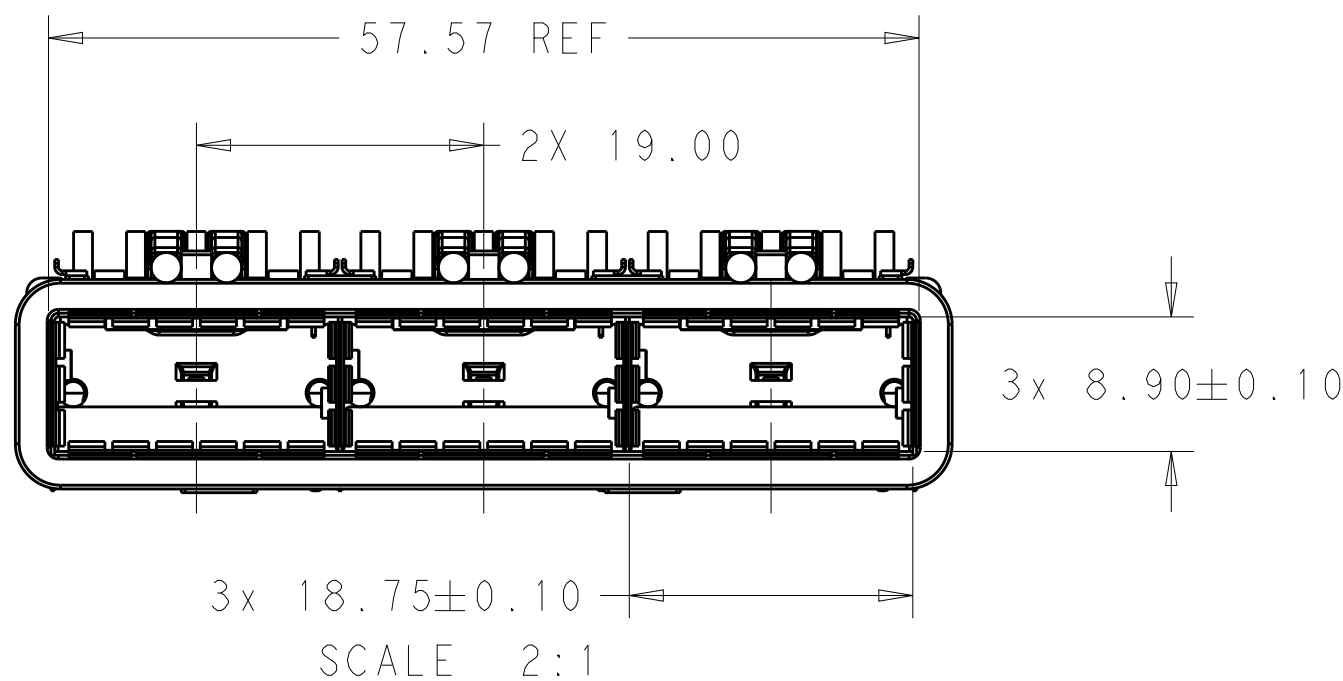


| LOC | DIST | REVISIONS |     |                           |           |     |
|-----|------|-----------|-----|---------------------------|-----------|-----|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN |
| GP  | 00   |           | A   | RELEASE                   | 31DEC2015 | JY  |
|     |      |           | A1  | REVISED PER ECO-19-016043 | 21OCT2019 | SH  |
|     |      |           |     |                           |           |     |
|     |      |           |     |                           |           |     |



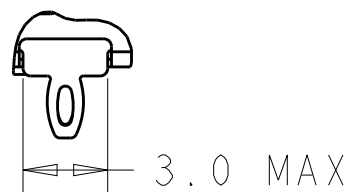
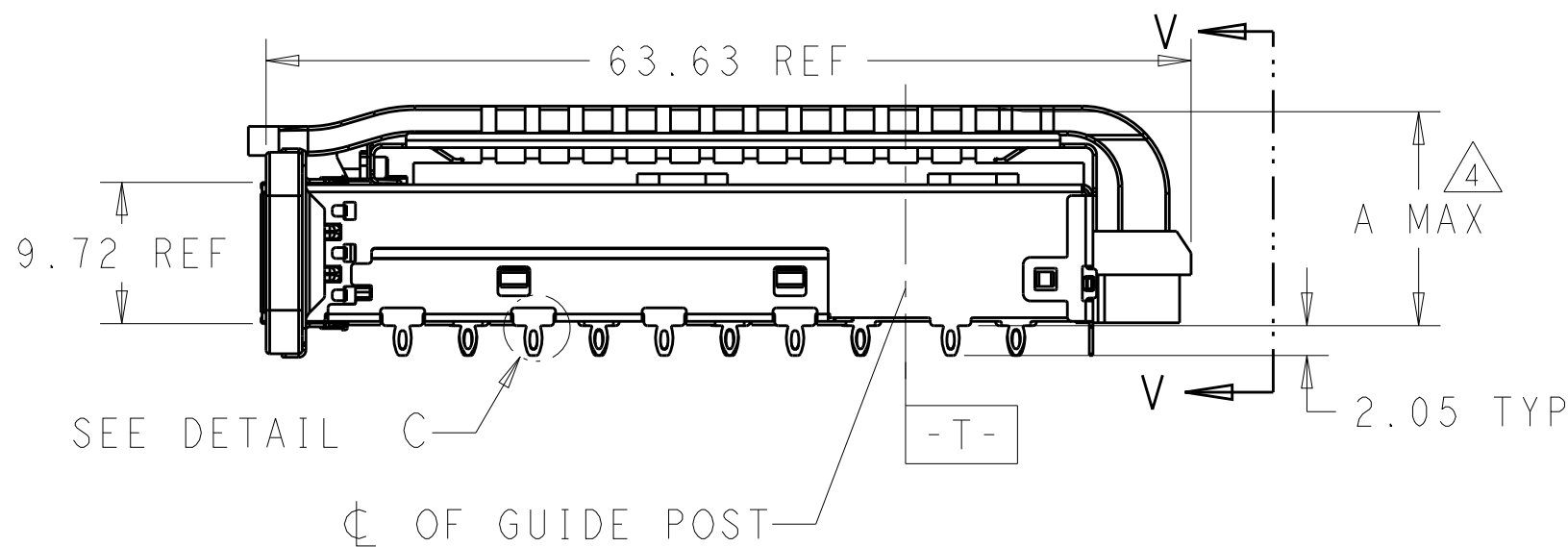
2-2170769-2 AS SHOWN  
SCALE 2:1



VIEW V-V  
SCALE 2:1

- 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
- REFERENCE APPLICATION SPECIFICATION 114-32023  
FOR RECOMMENDED DRILL HOLE DIAMETER AND  
PLATING THICKNESS
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
- DIMENSION APPLIES WITH MODULE INSERTED IN CAGE
- HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES  
ARE SHIPPED ASSEMBLED ON CAGE
- MINIMUM PC BOARD THICKNESS:  
SINGLE SIDED: 1.57 MIN  
DOUBLE SIDED: 3.00 MIN

- DATUM **-A-** IS TOP SURFACE OF THE HOST BOARD.
- THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
- MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
- DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
- NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.

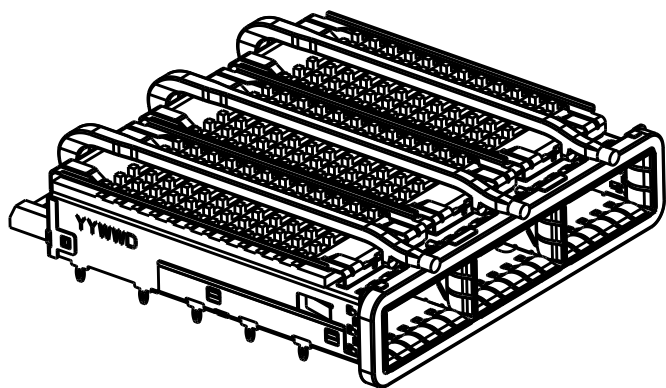


DETAIL C  
SCALE 4:1

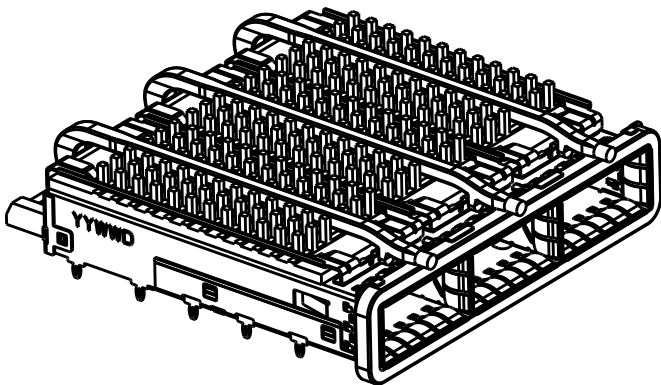
|                                                            |  |                                                          |                                     |                                                                                                 |  |  |
|------------------------------------------------------------|--|----------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                     |  | DWN<br>BING LIU<br>CHK<br>JASON YANG<br>APVD<br>SEAN HAN | 23APR2014<br>23APR2014<br>31DEC2015 | <b>TE</b> TE Connectivity                                                                       |  |  |
| DIMENSIONS:<br>mm                                          |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                   |                                     | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, 1X3, QSFP28 |  |  |
| 0 PLC ±<br>1 PLC ±0.25<br>2 PLC ±0.2<br>3 PLC ±<br>4 PLC ± |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                   |                                     | SIZE<br>A200779                                                                                 |  |  |
| MATERIAL                                                   |  | FINISH                                                   |                                     | DRAWING NO<br>C-2170769                                                                         |  |  |
| SEE NOTES                                                  |  | SEE NOTES                                                |                                     | RESTRICTED TO<br>-                                                                              |  |  |
|                                                            |  |                                                          |                                     | SCALE 3:1 SHEET 1 OF 9 REV A1                                                                   |  |  |

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

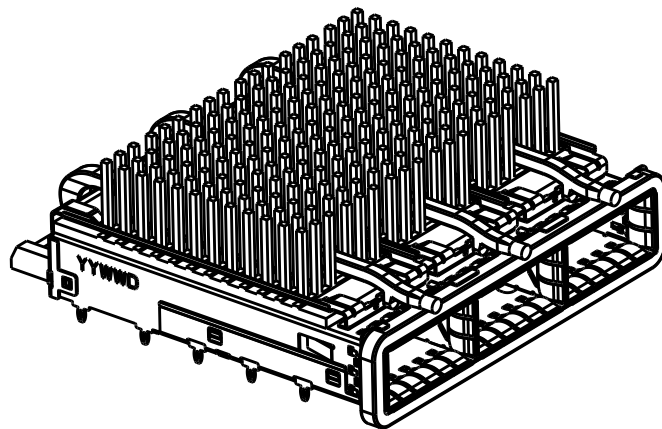
HEAT SINK OPTION



SCALE 1:1

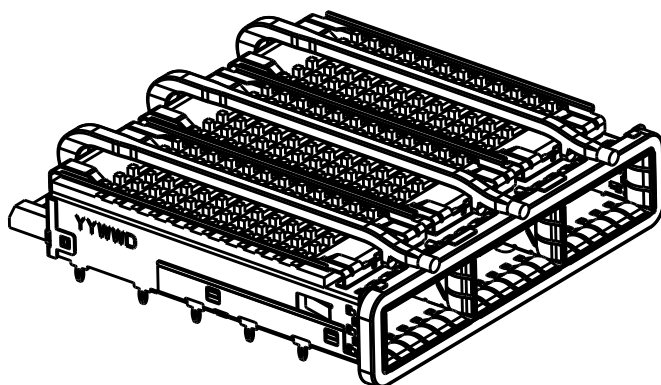


SCALE 1:1

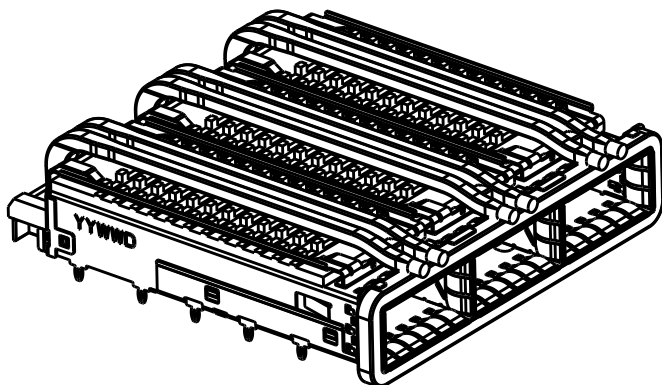


SCALE 1:1

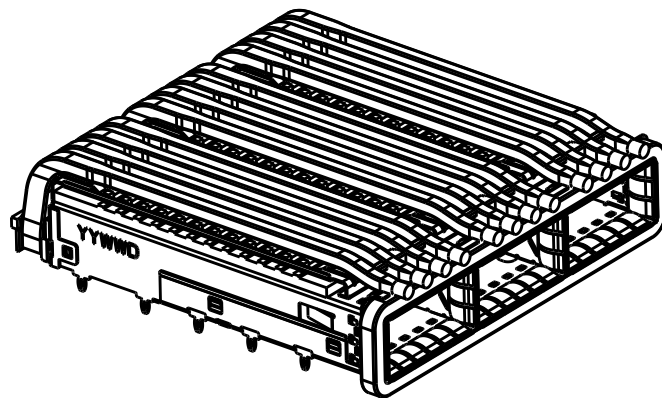
LIGHT PIPE OPTION



SCALE 1:1

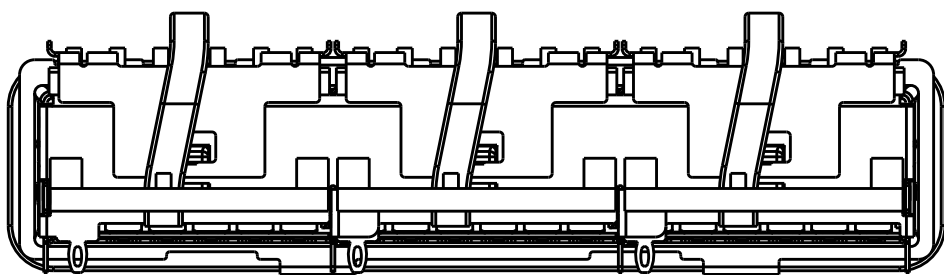


SCALE 1:1

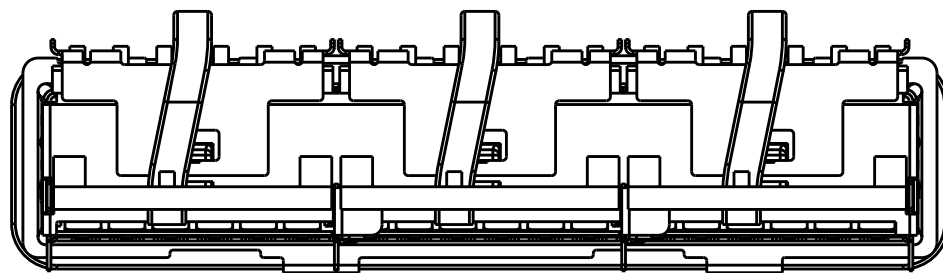


SCALE 1:1

# OF REAR PIN OPTION



1 REAR PIN  
SCALE 2:1



0 REAR PIN  
SCALE 2:1

|                                        |  |                                                                                                                  |                                                                                                       |  |                         |                              |
|----------------------------------------|--|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--|-------------------------|------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>BING LIU<br>23APR2014                                                                                     |  TE Connectivity |  |                         |                              |
|                                        |  | CHK<br>JASON YANG<br>23APR2014                                                                                   |                                                                                                       |  |                         |                              |
|                                        |  | APVD<br>SEAN HAN<br>31DEC2015                                                                                    | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, 1X3, QSFP28       |  |                         |                              |
| DIMENSIONS:<br>mm                      |  | 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>A200779         |                              |
| MATERIAL<br>SEE NOTES<br>material_2    |  | FINISH<br>SEE NOTES<br>finish_spec_2                                                                             | APPLICATION SPEC<br>114-32023                                                                         |  | DRAWING NO<br>C-2170769 |                              |
|                                        |  |                                                                                                                  | WEIGHT<br>-                                                                                           |  | RESTRICTED TO<br>-      |                              |
|                                        |  |                                                                                                                  | CUSTOMER DRAWING                                                                                      |  | SCALE<br>3:1            | SHEET<br>1 OF 9<br>REV<br>A1 |

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

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

|               |       |                   |             |             |
|---------------|-------|-------------------|-------------|-------------|
| 0             | 23.0  | QUAD              | NETWORKING  | 4-2170769-6 |
| 0             | 16.0  | QUAD              | SAN         | 4-2170769-5 |
| 0             | 13.7  | QUAD              | PCI         | 4-2170769-4 |
| 1             | 23.0  | QUAD              | NETWORKING  | 4-2170769-3 |
| 1             | 16.0  | QUAD              | SAN         | 4-2170769-2 |
| 1             | 13.7  | QUAD              | PCI         | 4-2170769-1 |
| 0             | 23.0  | DUAL              | NETWORKING  | 2-2170769-6 |
| 0             | 16.0  | DUAL              | SAN         | 2-2170769-5 |
| 0             | 13.7  | DUAL              | PCI         | 2-2170769-4 |
| 1             | 23.0  | DUAL              | NETWORKING  | 2-2170769-3 |
| 1             | 16.0  | DUAL              | SAN         | 2-2170769-2 |
| 1             | 13.7  | DUAL              | PCI         | 2-2170769-1 |
| 0             | 16.0  | SINGLE            | W/O HS      | 2170769-7   |
| 0             | 23.0  | SINGLE            | NETWORKING  | 2170769-6   |
| 0             | 16.0  | SINGLE            | SAN         | 2170769-5   |
| 0             | 13.7  | SINGLE            | PCI         | 2170769-4   |
| 1             | 23.0  | SINGLE            | NETWORKING  | 2170769-3   |
| 1             | 16.0  | SINGLE            | SAN         | 2170769-2   |
| 1             | 13.7  | SINGLE            | PCI         | 2170769-1   |
| # OF REAR PIN | DIM A | LIGHT PIPE OPTION | APPLICATION | 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 ±-

MATERIAL

SEE NOTES

material\_2

FINISH

SEE NOTES

finish\_spec\_2

DWN 23APR2014  
CHK BING LIU 23APR2014  
APVD JASON YANG 31DEC2015  
PRODUCT SPEC 108-19428  
APPLICATION SPEC 114-32023  
WEIGHT -

NAME

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

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

©-2170769

-

CUSTOMER DRAWING

SCALE 3:1

SHEET 1 OF 9

REV A1

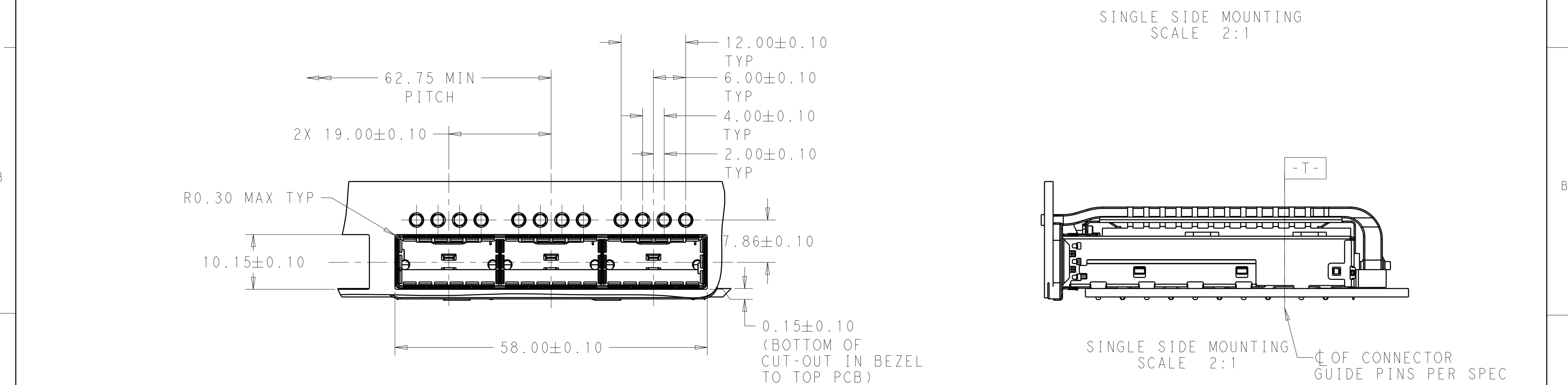
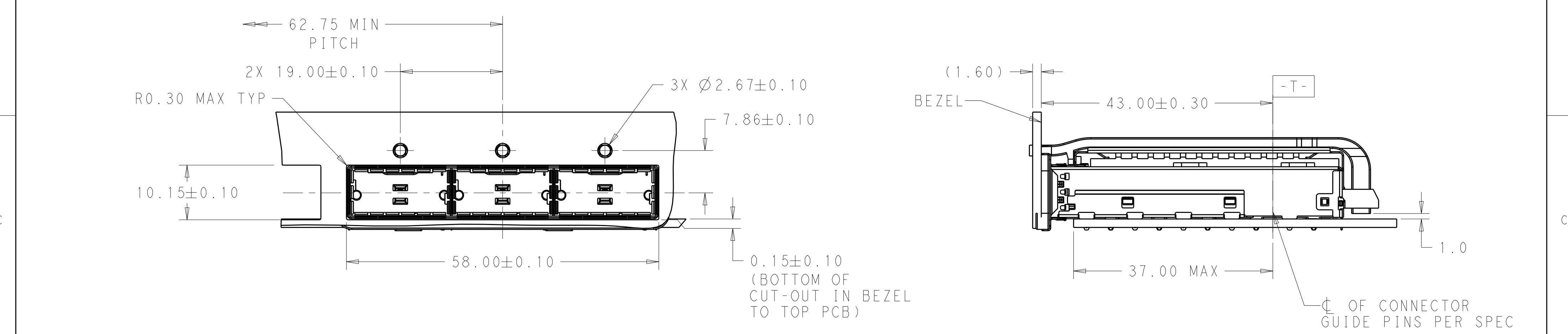
TE Connectivity

1471-9 (3/11)

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

D

D



B

B

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

SEE NOTES  
finish\_spec\_2

DWN  
BING LIU  
23APR2014

CHK  
JASON YANG  
23APR2014

APVD  
SEAN HAN  
31DEC2015

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  
A200779

CAGE CODE  
C-2170769

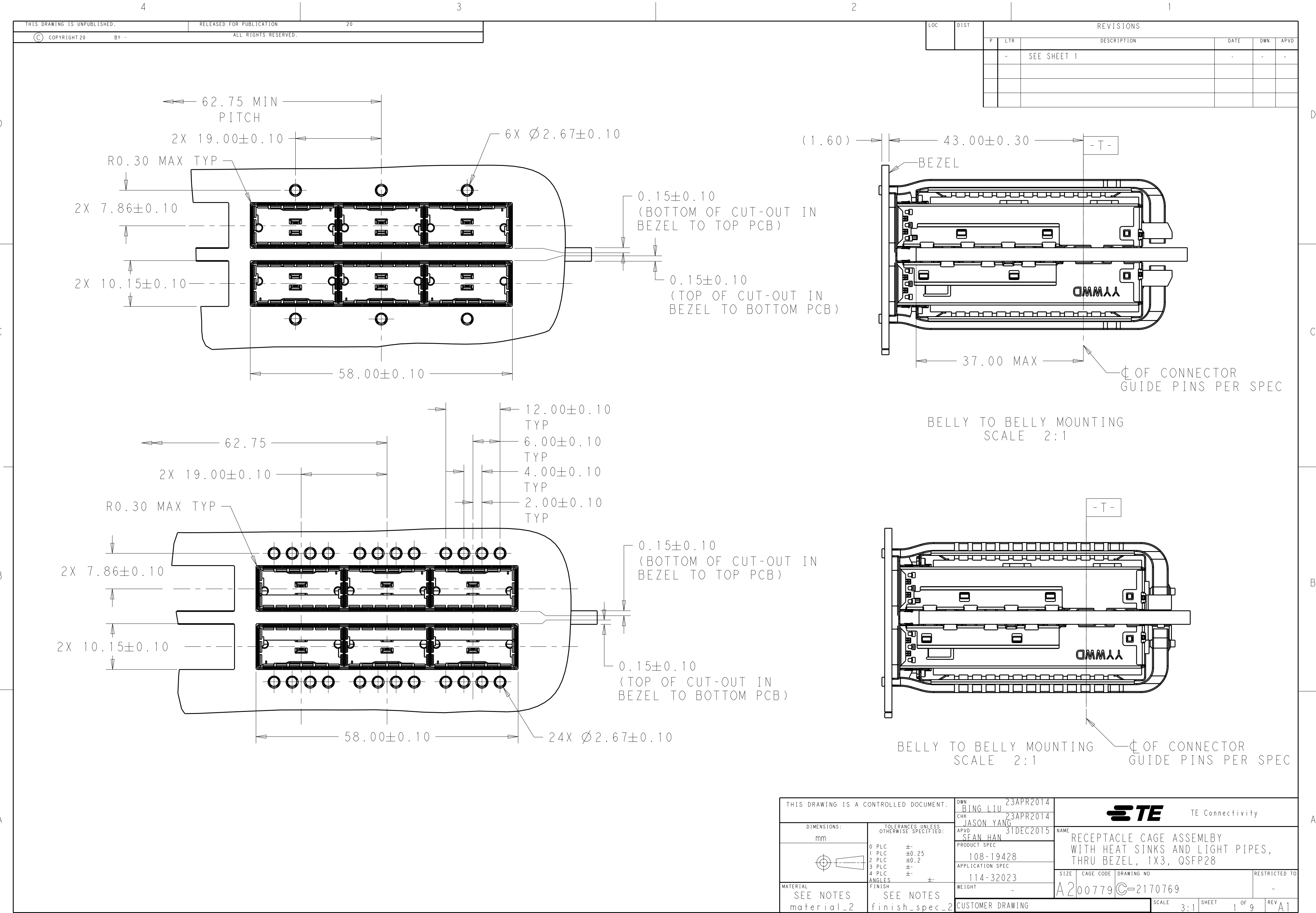
DRAWING NO  
-

RESTRICTED TO  
-

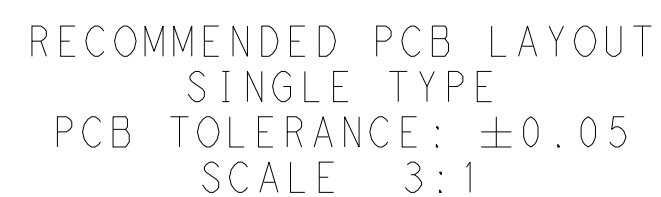
SCALE  
3:1

SHEET  
1 OF 9

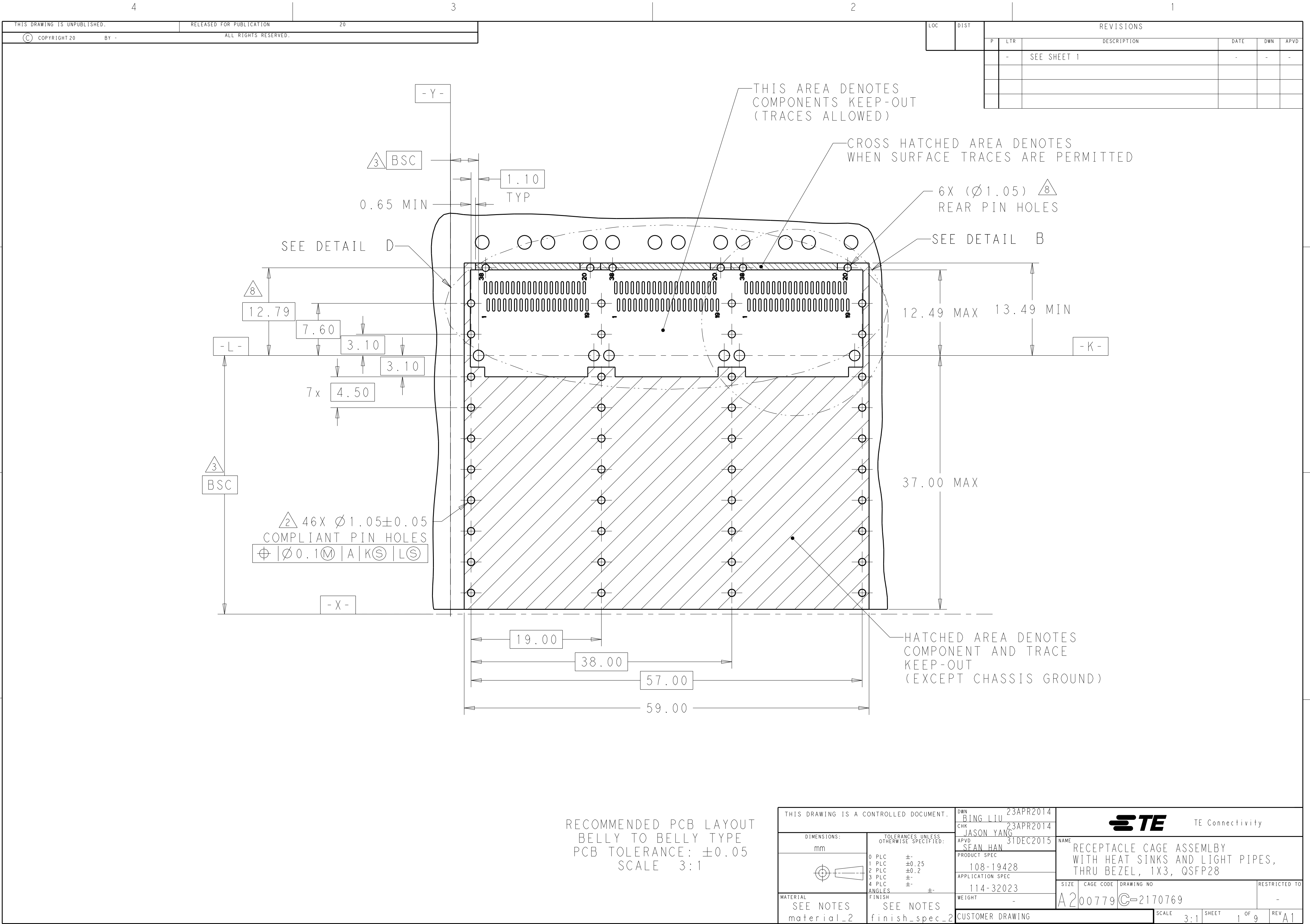
REV  
A1

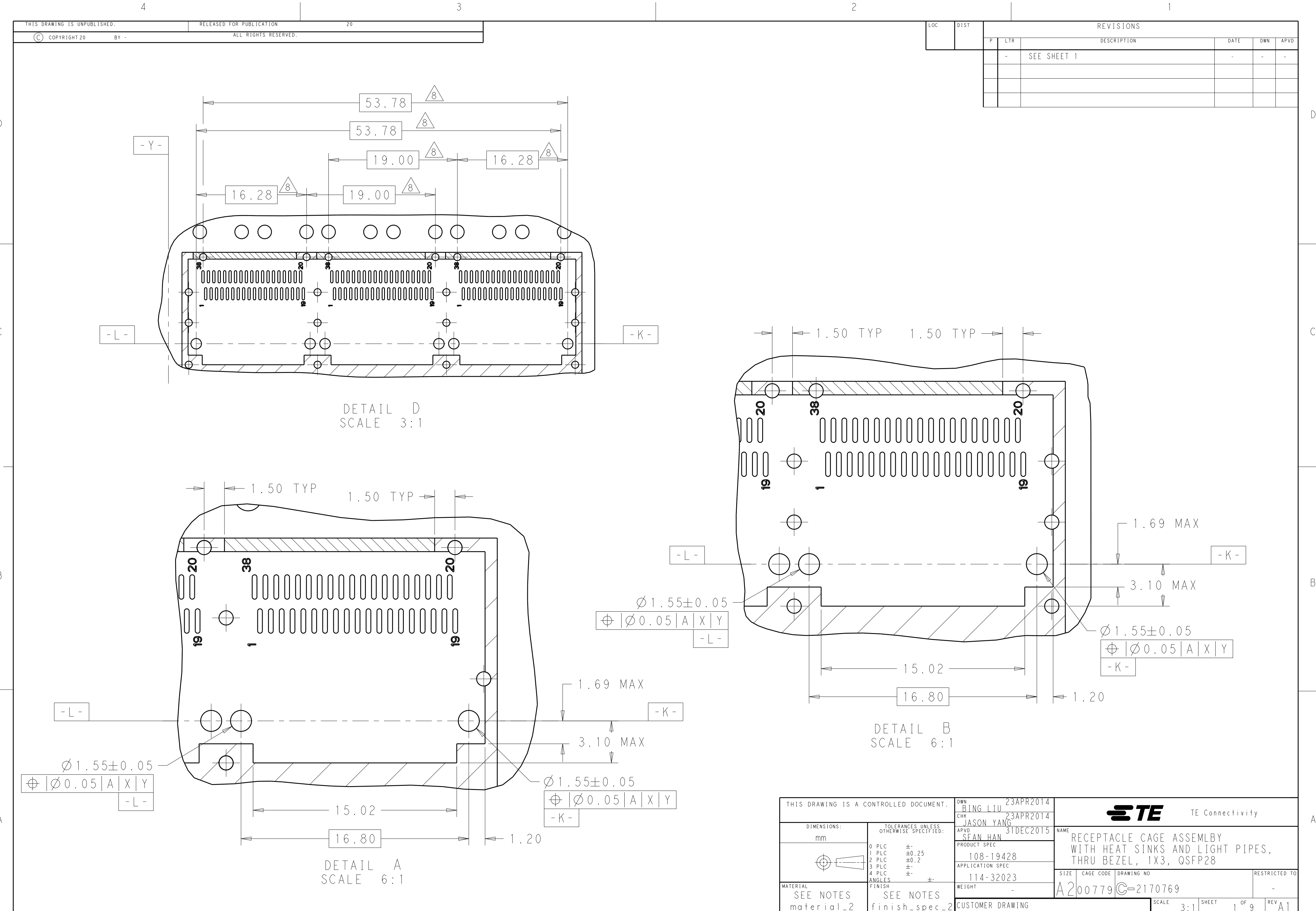


| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



|                                                                                                            |  |                                                                                                                      |  |                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWN 23APR2014<br>BING LIU<br>CHK 23APR2014<br>JASON YANG<br>APVD 31DEC2015<br>SFAN HAN                               |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm<br> |  | 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 ±. |  | NAME<br>RECEPTACLE CAGE ASSEMBLY<br>WITH HEAT SINKS AND LIGHT PIPES,<br>THRU BEZEL, 1X3, QSFP28       |  |
| MATERIAL<br>SEE NOTES<br>material 2                                                                        |  | FINISH<br>SEE NOTES<br>finish spec 2                                                                                 |  | SIZE<br>A2                                                                                            |  |
|                                                                                                            |  | WEIGHT<br>-                                                                                                          |  | CAGE CODE<br>00779                                                                                    |  |
|                                                                                                            |  | APPLICATION SPEC<br>108-19428                                                                                        |  | DRAWING NO<br>C-2170769                                                                               |  |
|                                                                                                            |  | CUSTOMER DRAWING                                                                                                     |  | RESTRICTED TO<br>-                                                                                    |  |
|                                                                                                            |  |                                                                                                                      |  | SCALE 3:1<br>SHEET 1 of 9<br>REV A1                                                                   |  |





D

C

B

A

# Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[2-2170769-1](#)