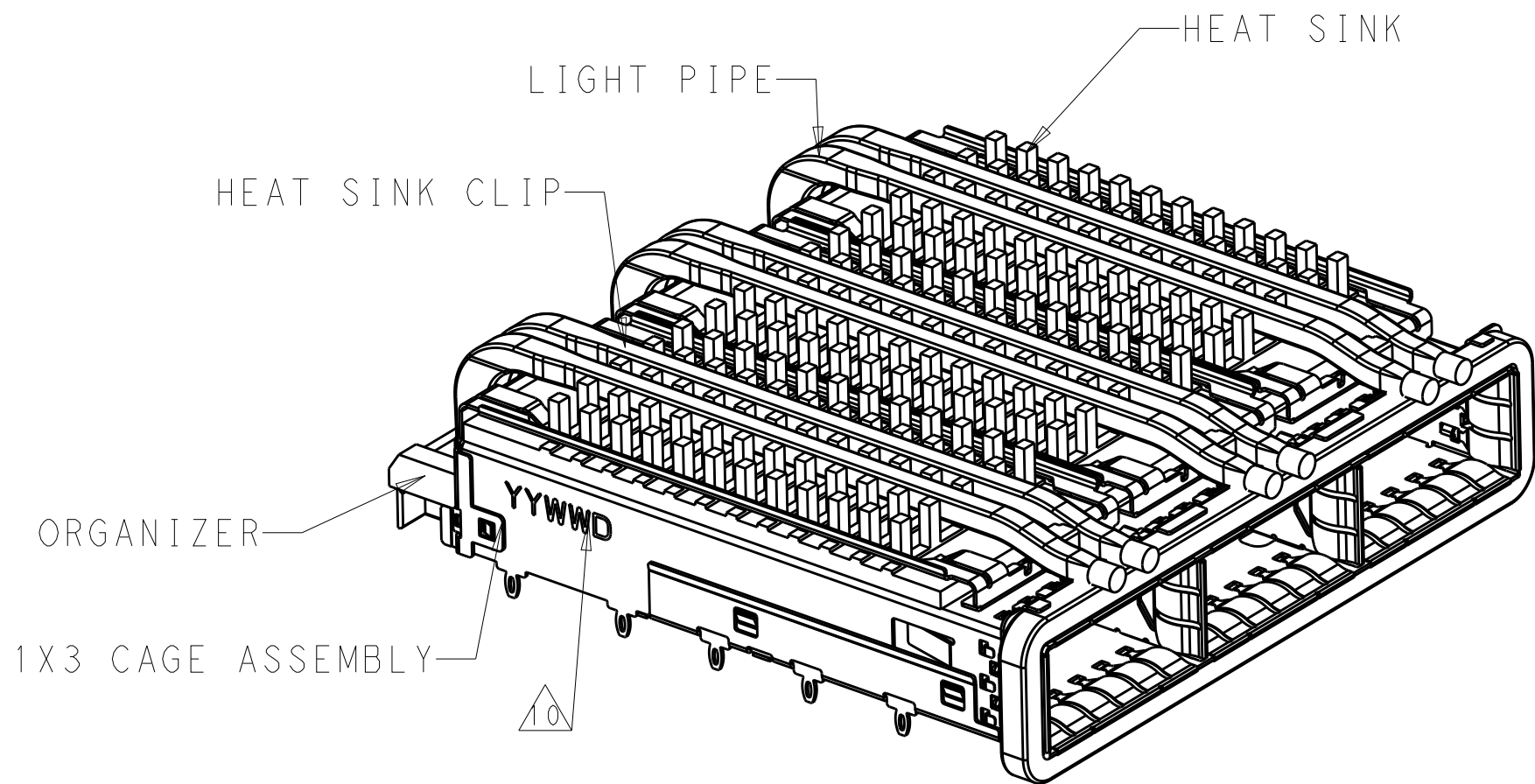
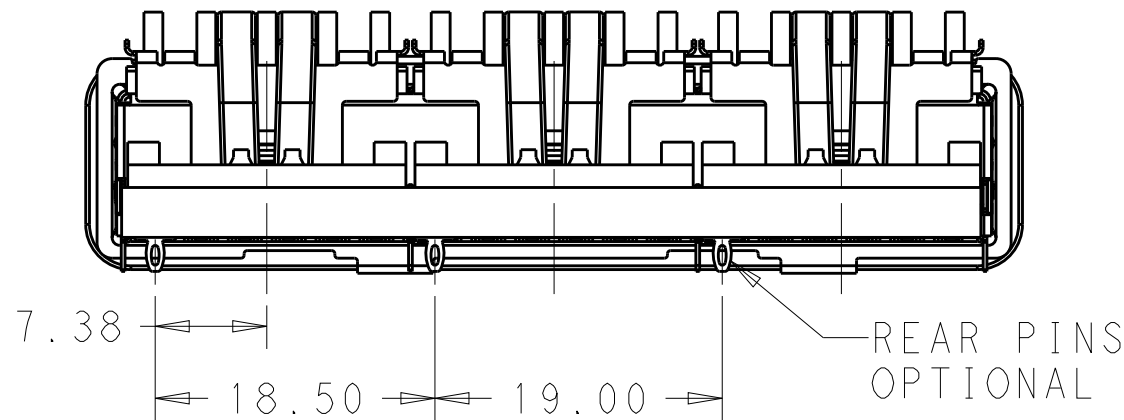
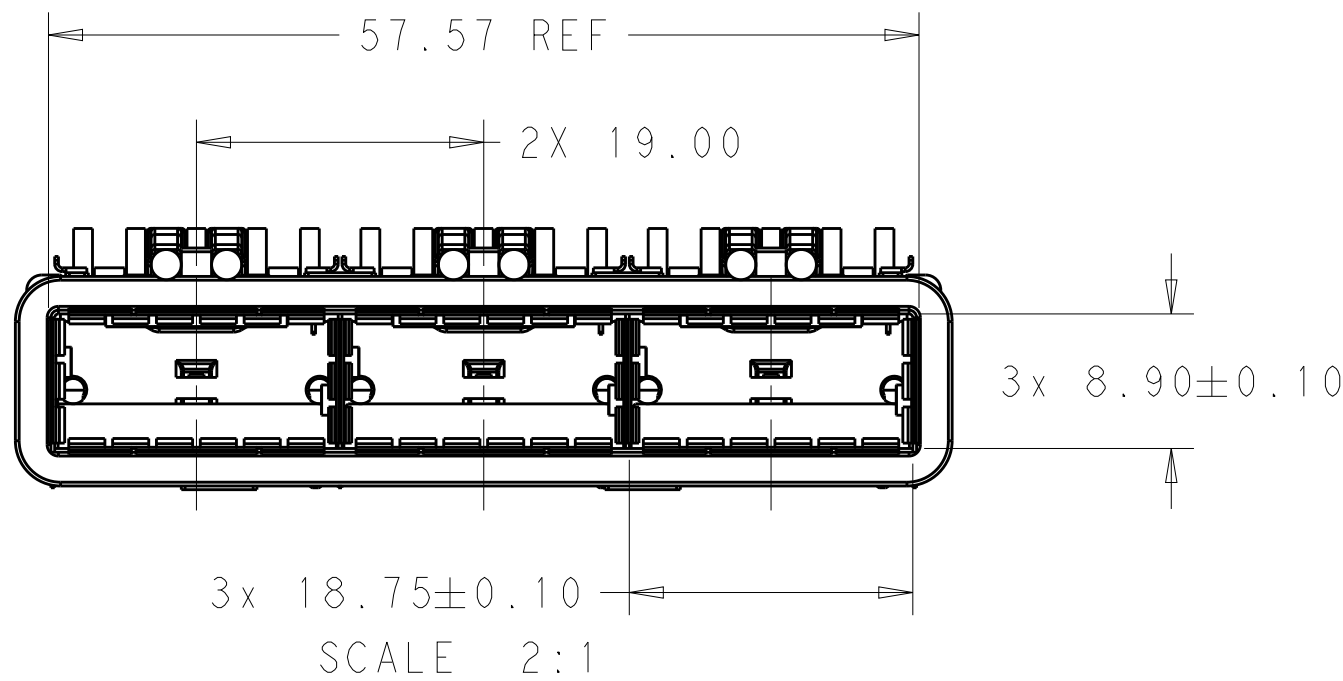


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		A	RELEASE	31DEC2015	JY	SH
			A1	REVISED PER ECO-19-016043	21OCT2019	SH	SH



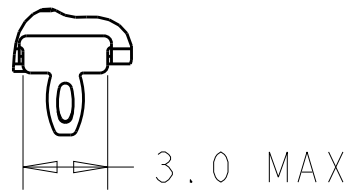
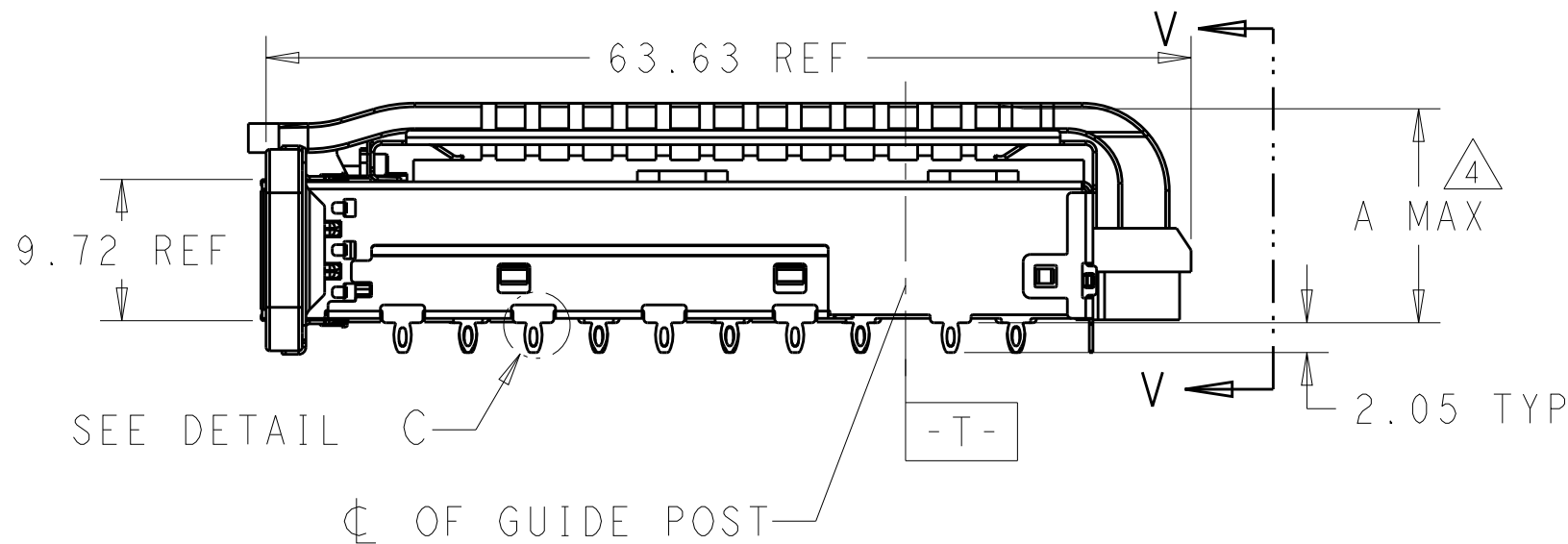
2-2170769-2 AS SHOWN
SCALE 2:1



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.

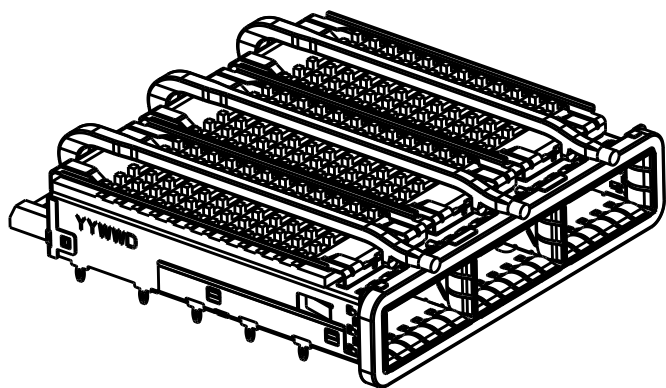


DETAIL C
SCALE 4:1

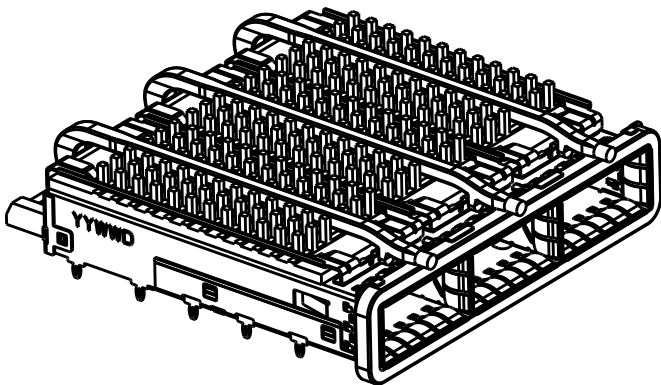
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 23APR2014	TE Connectivity			
		CHK JASON YANG 23APR2014				
		APVD SEAN HAN 31DEC2015	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-19428	SIZE A200779	CAGE CODE C-2170769	RESTRICTED TO -
		0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ±	APPLICATION SPEC 114-32023	DRAWING NO C-2170769		
MATERIAL		FINISH ±	WEIGHT -	SCALE 3:1		
SEE NOTES		SEE NOTES	CUSTOMER DRAWING	SHEET 1	OF 9	REV A1

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

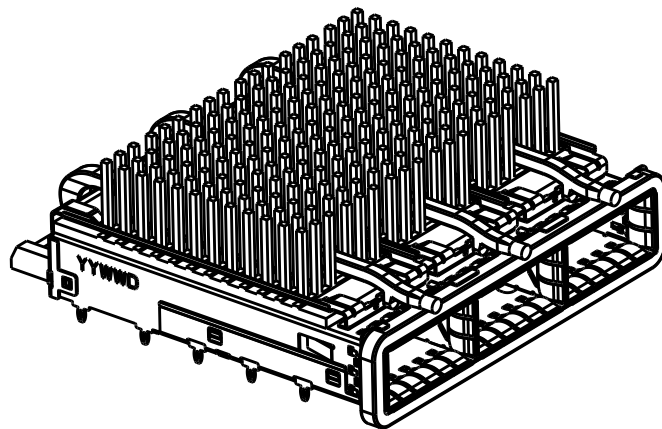
HEAT SINK OPTION



SCALE 1:1

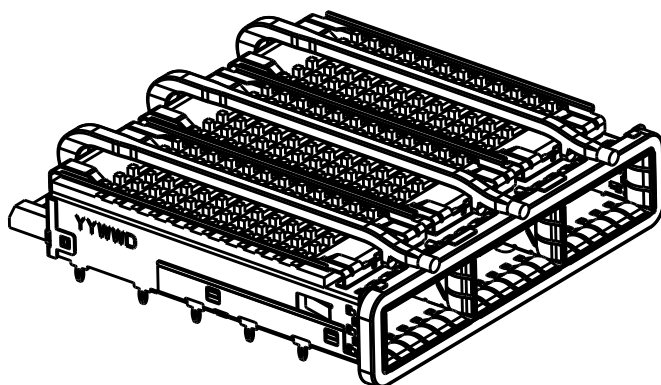


SCALE 1:1

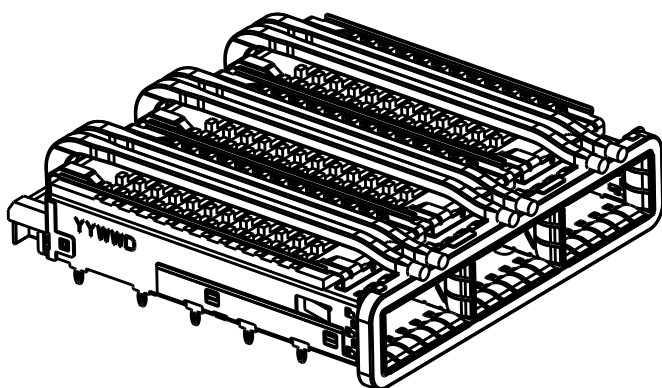


SCALE 1:1

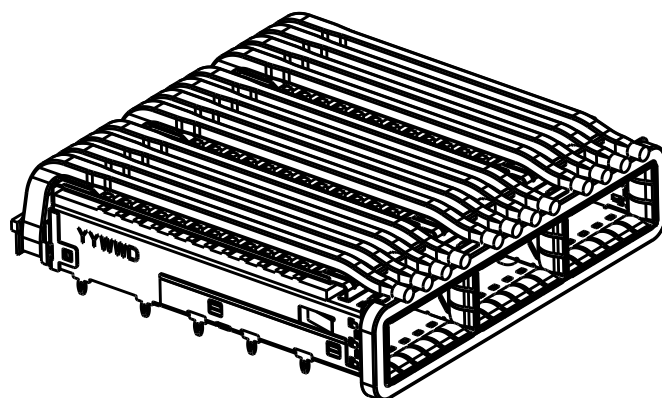
LIGHT PIPE OPTION



SCALE 1:1

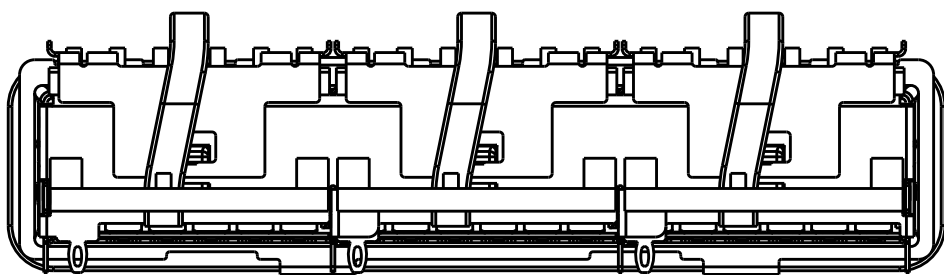


SCALE 1:1

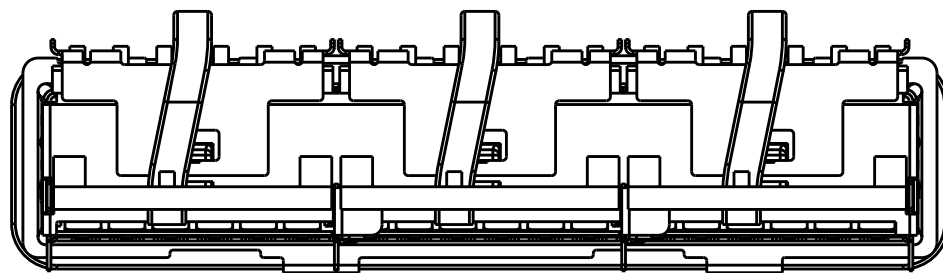


SCALE 1:1

OF REAR PIN OPTION



1 REAR PIN
SCALE 2:1



0 REAR PIN
SCALE 2:1

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		CHK JASON YANG 23APR2014				
		APVD SEAN HAN 31DEC2015	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±	PRODUCT SPEC 108-19428		SIZE A2	
MATERIAL SEE NOTES material_2		FINISH SEE NOTES finish_spec_2	APPLICATION SPEC 114-32023		CAGE CODE 00779	
			WEIGHT -		DRAWING NO C-2170769	
			CUSTOMER DRAWING		RESTRICTED TO -	
			SCALE 3:1	SHEET 1	OF 9	REV A1

4

3

2

1

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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

-

SCALE 3:1

SHEET 1 OF 9

REV A1

TE Connectivity

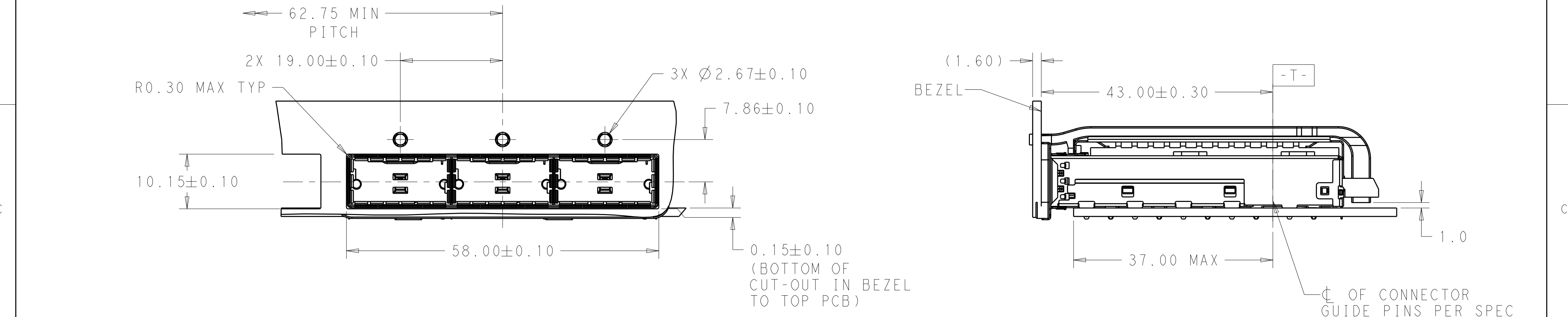
CUSTOMER DRAWING

1471-9 (3/11)

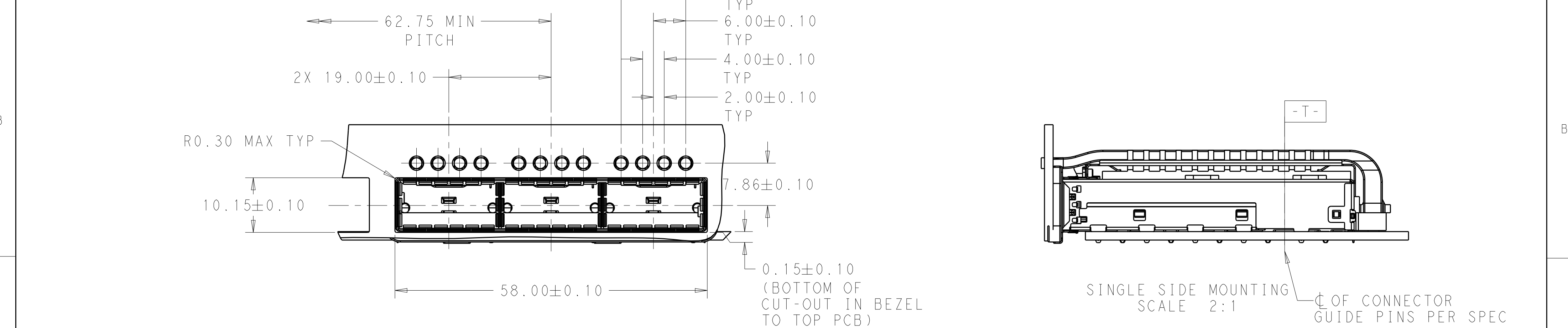
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

D

D



SINGLE SIDE MOUNTING
SCALE 2:1



SINGLE SIDE MOUNTING
SCALE 2:1

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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
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
-

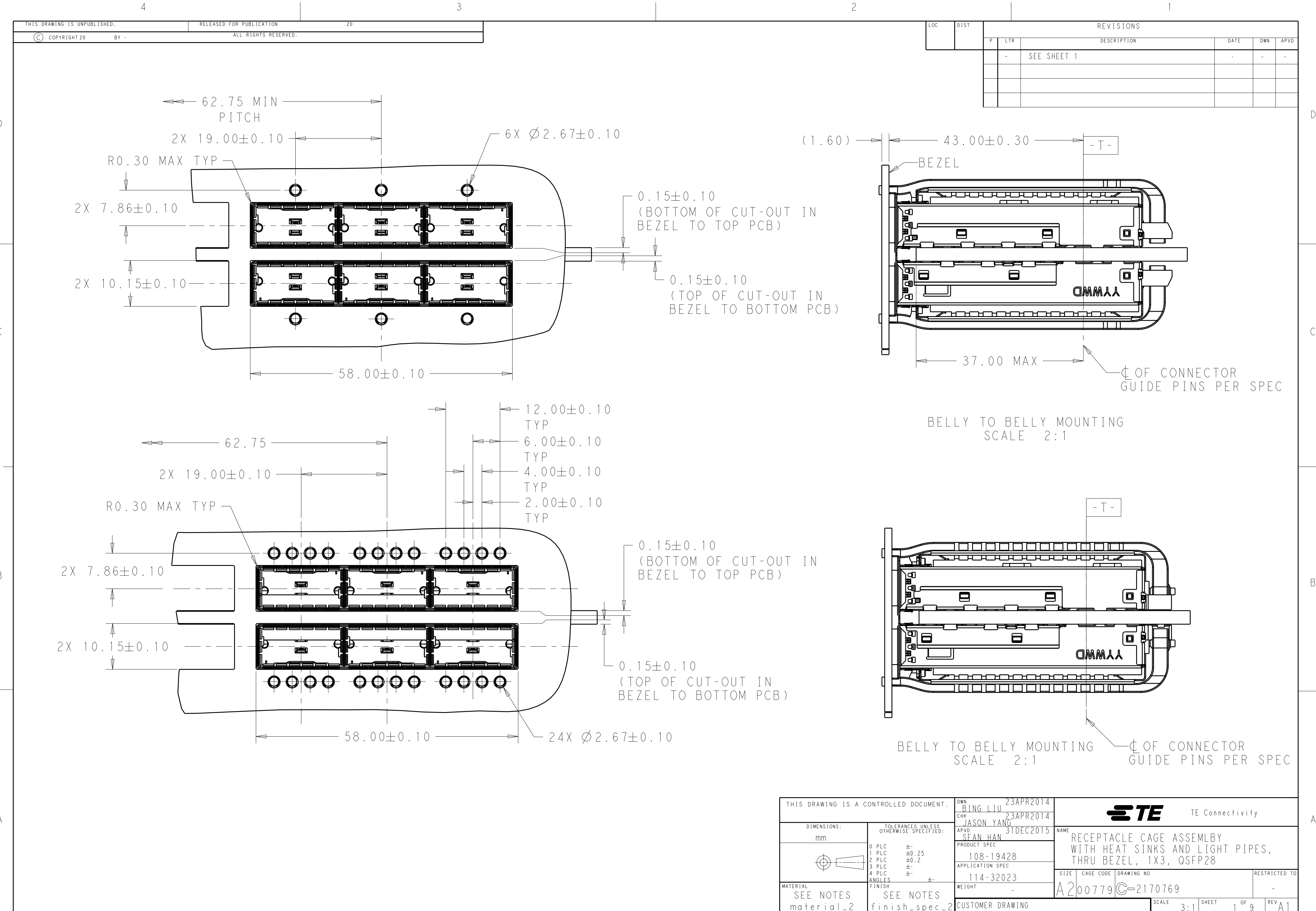
RESTRICTED TO
-

SCALE
3:1

SHEET
1

OF
9

REV
A1



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

62.75 MIN PITCH

2X 19.00±0.10

6X Ø2.67±0.10

R0.30 MAX TYP

2X 7.86±0.10

2X 10.15±0.10

58.00±0.10

0.15±0.10 (BOTTOM OF CUT-OUT IN BEZEL TO TOP PCB)

0.15±0.10 (TOP OF CUT-OUT IN BEZEL TO BOTTOM PCB)

(1.60)

43.00±0.30

BEZEL

37.00 MAX

CL OF CONNECTOR GUIDE PINS PER SPEC

BELLY TO BELLY MOUNTING SCALE 2:1

62.75

2X 19.00±0.10

R0.30 MAX TYP

2X 7.86±0.10

2X 10.15±0.10

58.00±0.10

24X Ø2.67±0.10

12.00±0.10 TYP

6.00±0.10 TYP

4.00±0.10 TYP

2.00±0.10 TYP

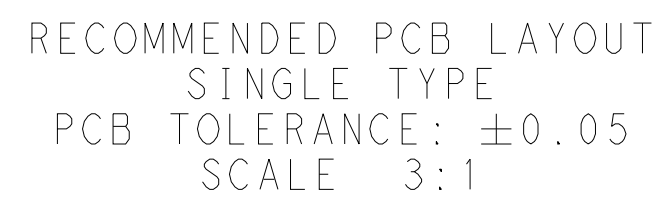
0.15±0.10 (BOTTOM OF CUT-OUT IN BEZEL TO TOP PCB)

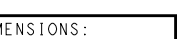
0.15±0.10 (TOP OF CUT-OUT IN BEZEL TO BOTTOM PCB)

CL OF CONNECTOR GUIDE PINS PER SPEC

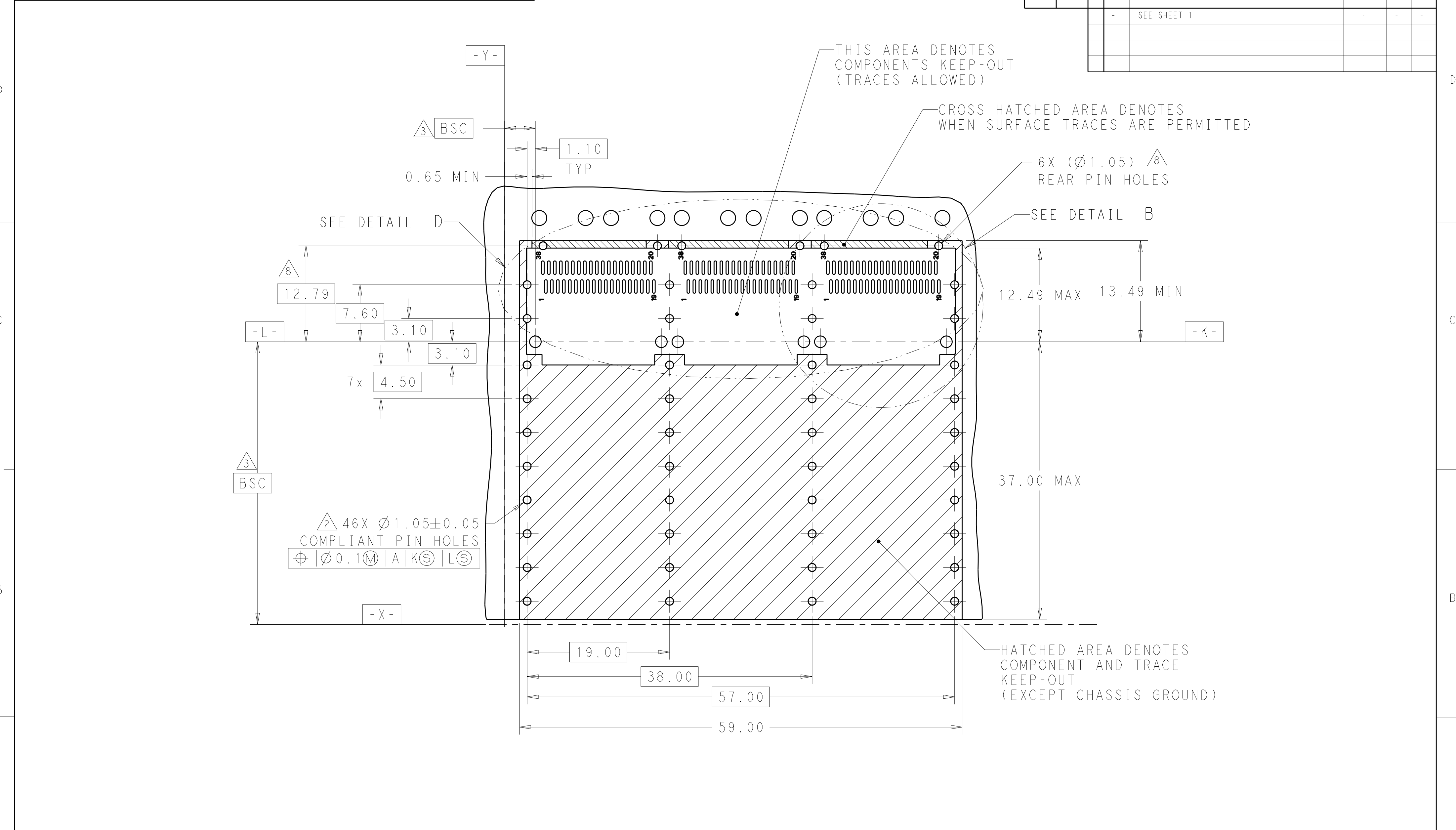
BELLY TO BELLY MOUNTING SCALE 2:1

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		CHK JASON YANG 23APR2014				
		APVD SEAN HAN 31DEC2015	NAME		RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28	
		PRODUCT SPEC				
		108-19428		SIZE		
		APPLICATION SPEC		CAGE CODE		
		114-32023		DRAWING NO		
		WEIGHT		RESTRICTED TO		
		-		A200779		
		CUSTOMER DRAWING		C-2170769		
		SCALE 3:1		SHEET 1 OF 9		
				REV A1		



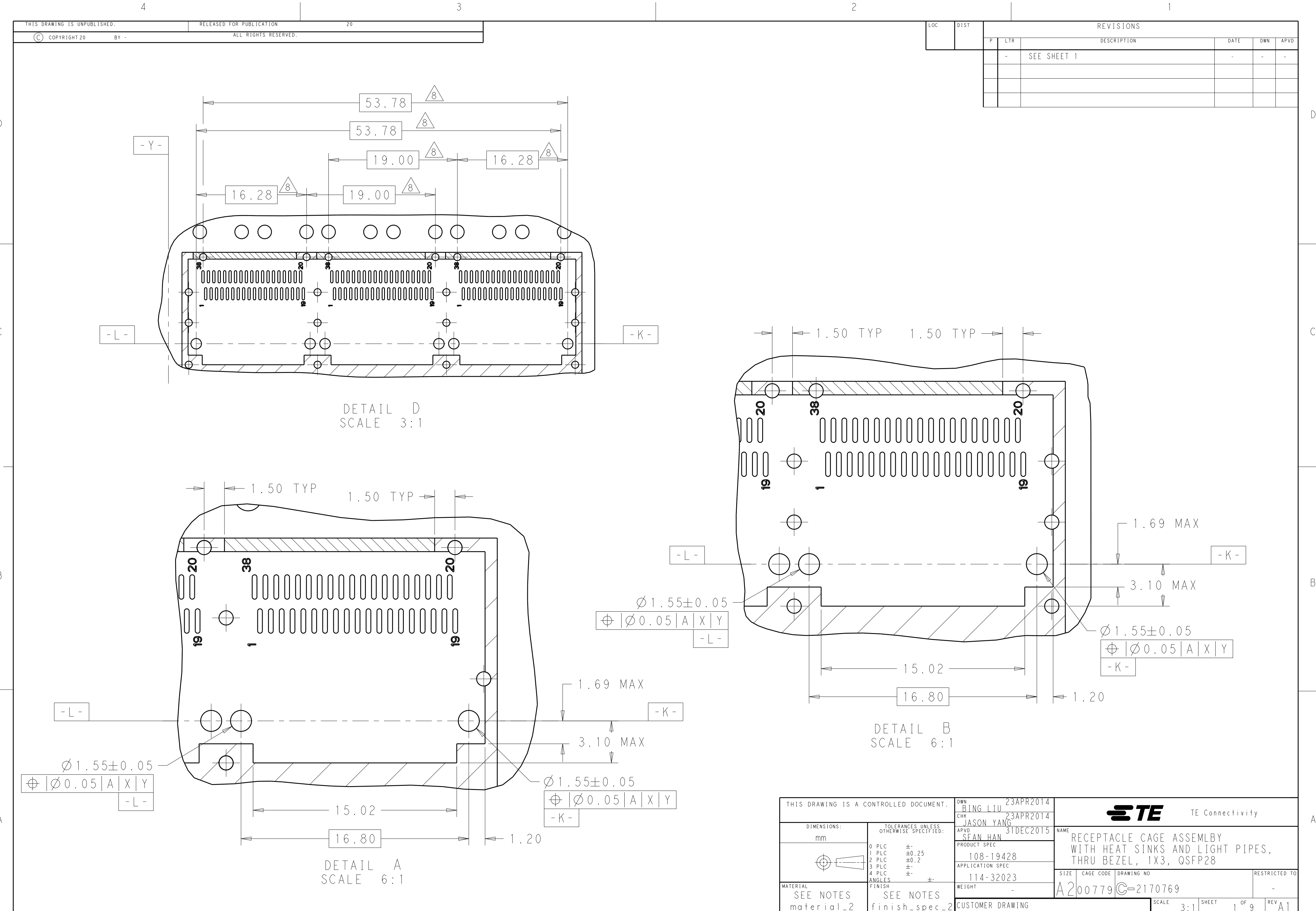
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 23APR2014 BING LIU CHK 23APR2014 JASON YAN APVD 31DEC2015 SEAN HAN		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm$ 1 PLC ± 0.25 2 PLC ± 0.2 3 PLC $\pm$ 4 PLC $\pm$ ANGLES $\pm$ FINISH		NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28	
MATERIAL SEE NOTES material-2		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -		SIZE A2 CAGE CODE 00779 DRAWING NO C-2170769	
SEE NOTES finish_spec-2		CUSTOMER DRAWING		RESTRICTED TO - SCALE 3:1 SHEET 1 of 9 REV A1	

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



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 23APR2014	TE Connectivity	
DIMENSIONS: mm		CHK JASON YANG 23APR2014		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SEAN HAN 31DEC2015	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28	
0 PLC ±-		PRODUCT SPEC	SIZE	
1 PLC ±0.25		108-19428	CAGE CODE	
2 PLC ±0.2		APPLICATION SPEC	DRAWING NO	
3 PLC ±-		114-32023	RESTRICTED TO	
4 PLC ±-		WEIGHT	-	
ANGLES ±-		CUSTOMER DRAWING	A200779C-2170769	
FINISH		SCALE 3:1	SHEET 1 OF 9	
SEE NOTES material_2		REV A1		
SEE NOTES finish_spec_2				



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

