

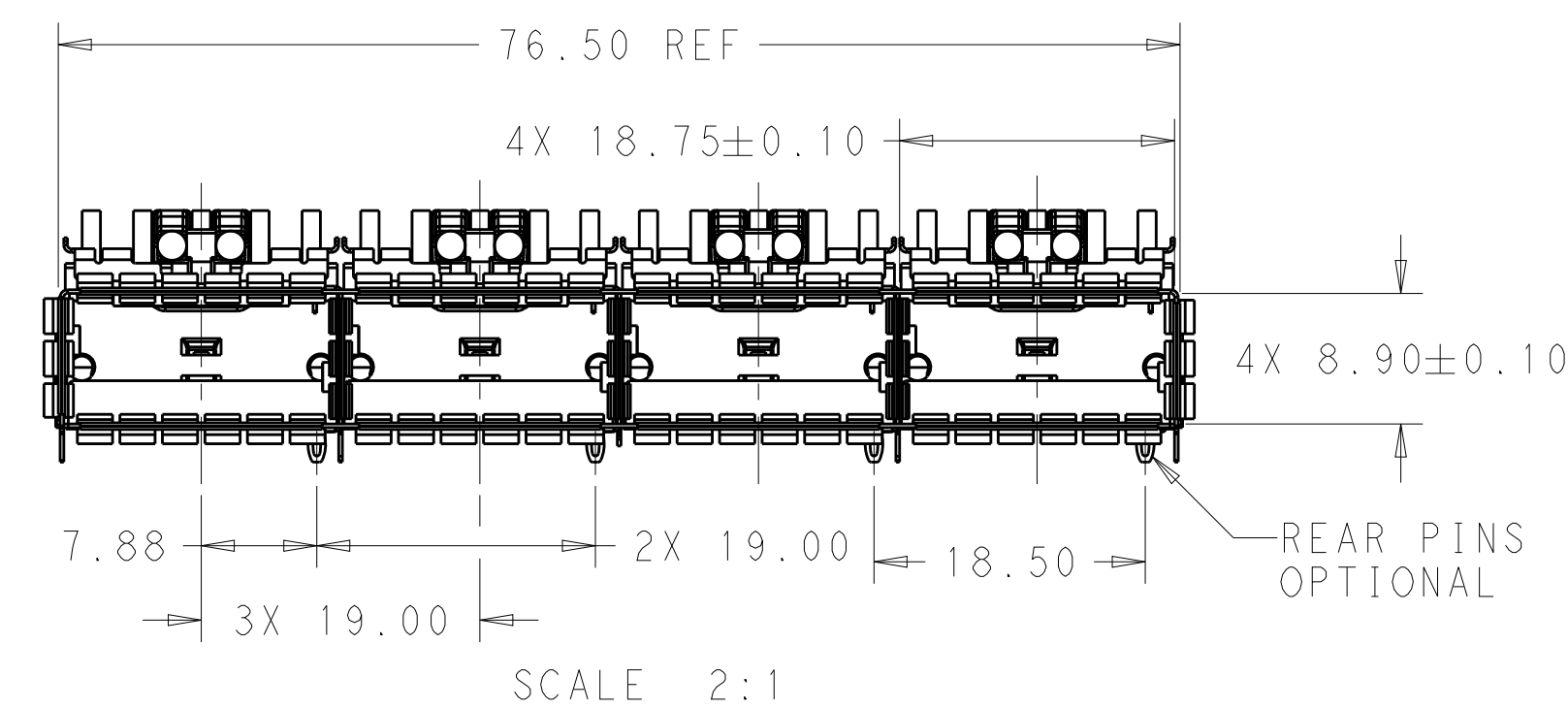
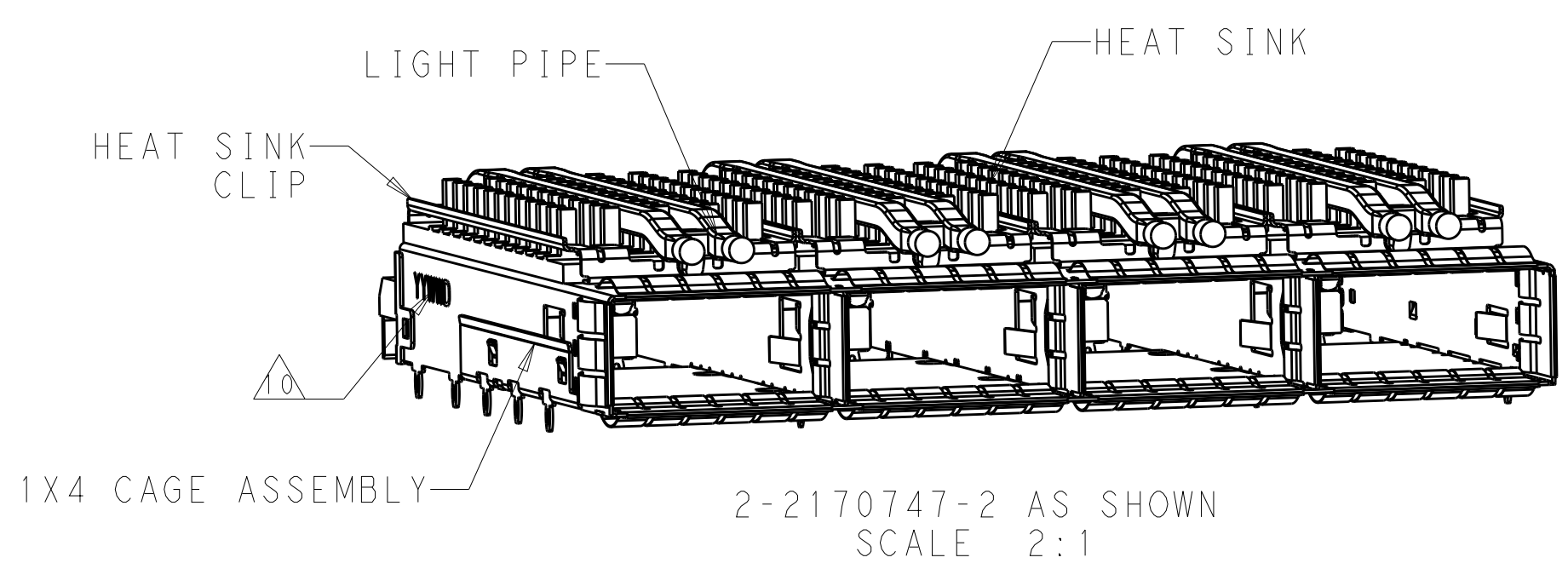
2-2170747-2 AS SHOWN

D

C

B

A



- 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 94 V-0
- REFERENCE APPLICATION SPECIFICATION 114-23023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
- DIMENSION OF HEAT SINK 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: 2.20 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.
- THE CUSTOMIZED HEAT SINK HAVE NO SURFACE FINISH ONLY FOR 2170747-7/-8/-9.
- CAGE ASSEMBLY WITH HS AND LIGHT PIPE ARE UNASSEMBLED, AND PACKAGED INDIVIDUALLY IN TRAYS. ONLY APPLICABLE TO 2170747-7.

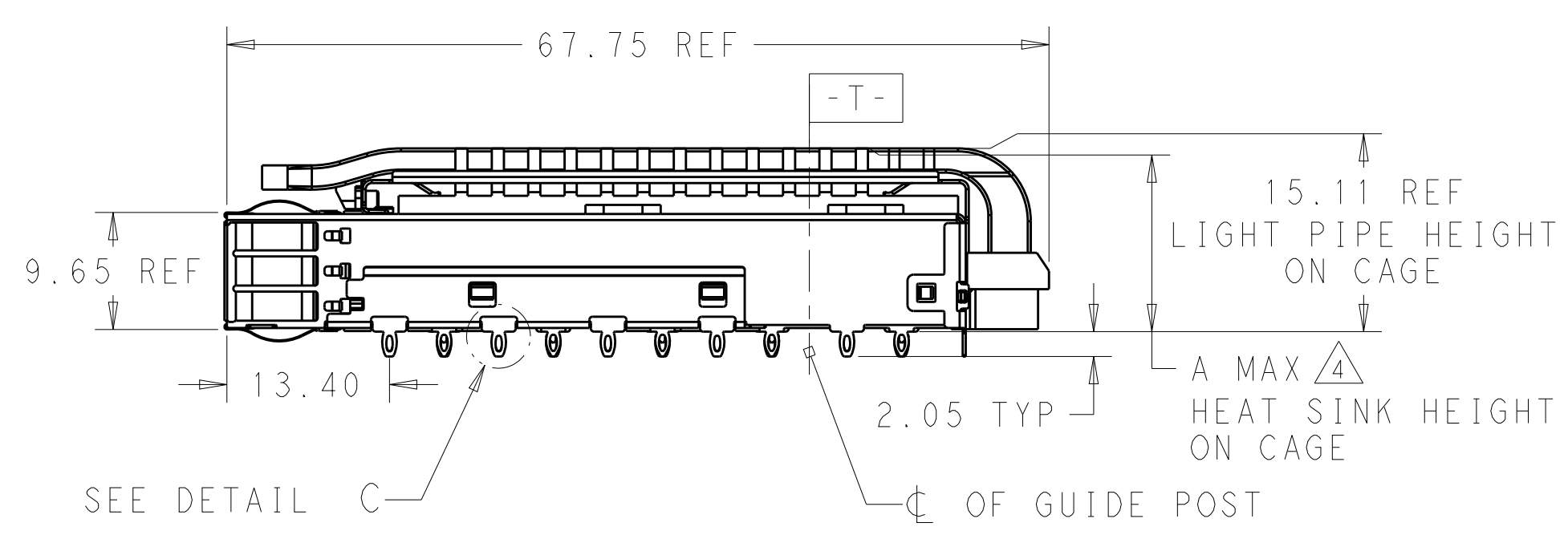
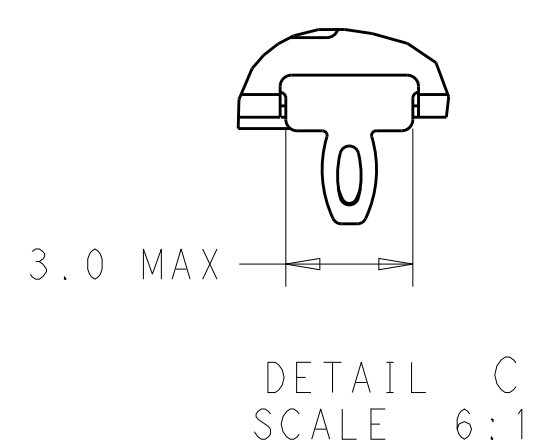
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A		RELEASE	31OCT2016	JY	SH
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C		REVISED PER ECO-18-012273	10JUL2018	JY	SH

D

C

B

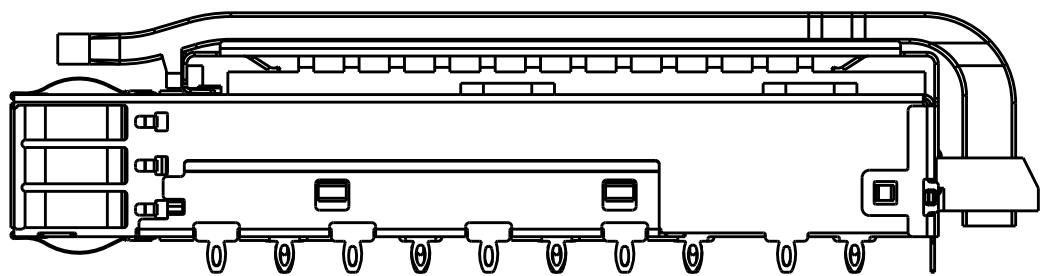
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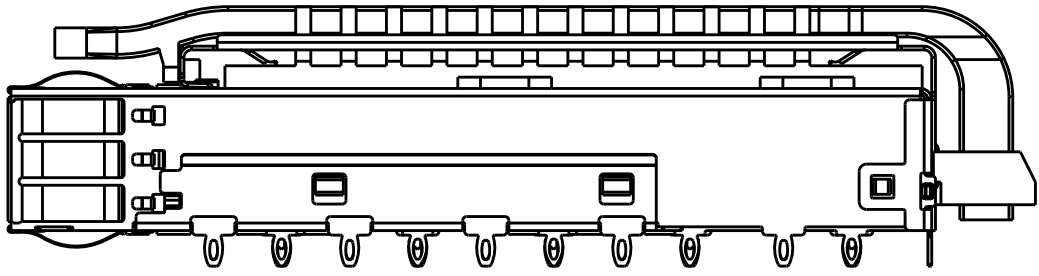
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		CHK 07JUN2014 SEAN HAN				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		
mm		0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ±		RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING		
MATERIAL		FINISH		SIZE	CAGE CODE	DRAWING NO
SEE NOTES		SEE NOTES		A200779	C-2170747	RESTRICTED TO
				CUSTOMER DRAWING		
				SCALE 1:1	SHEET 1 OF 13	REV C

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

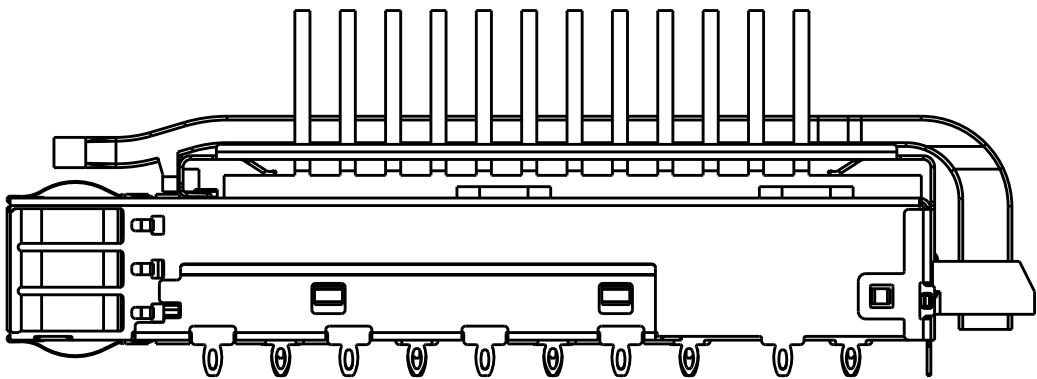
HEAT SINK OPTION



PCI HEAT SINK
SCALE 2:1

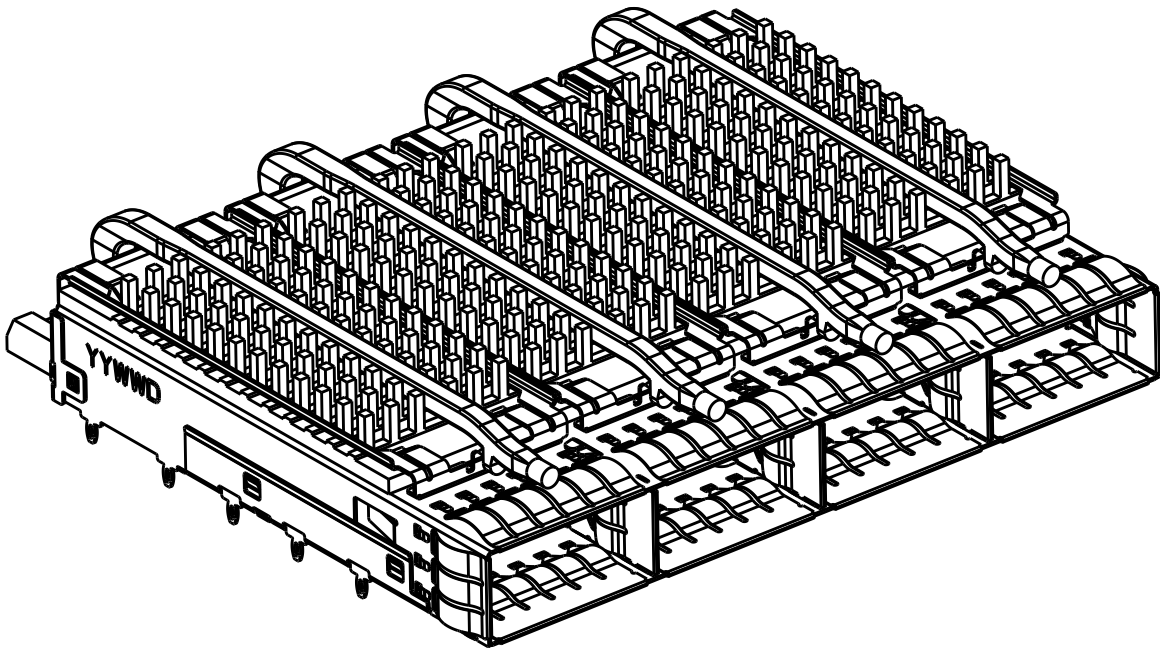


SAN HEAT SINK
SCALE 2:1

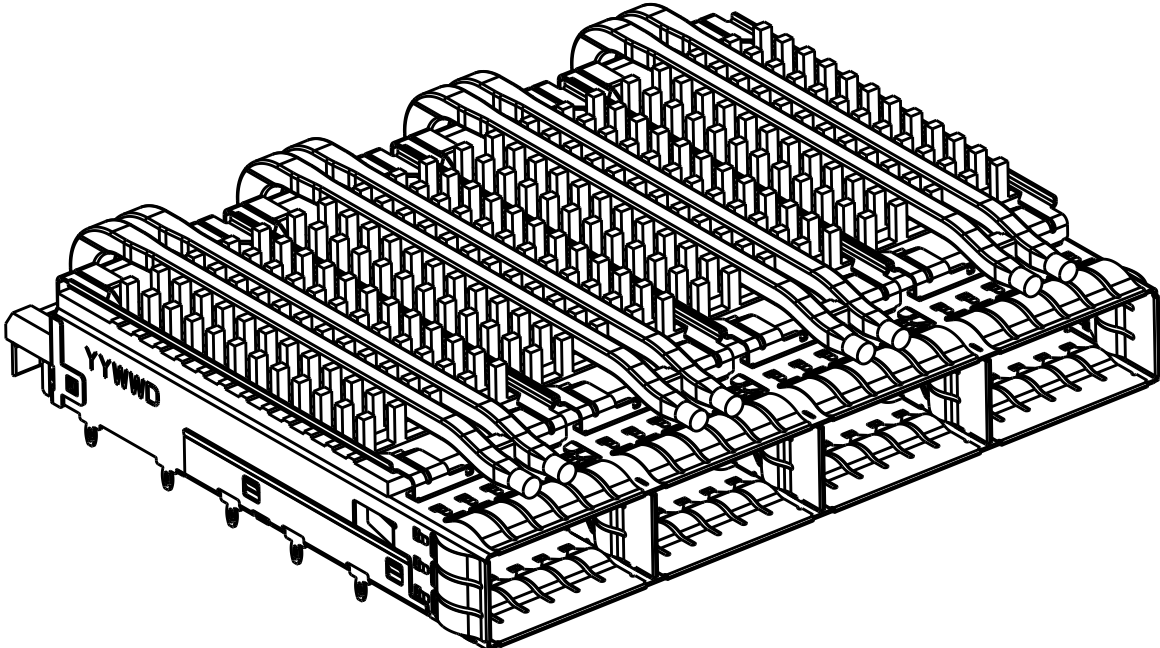


NETWORKING HEAT SINK
SCALE 2:1

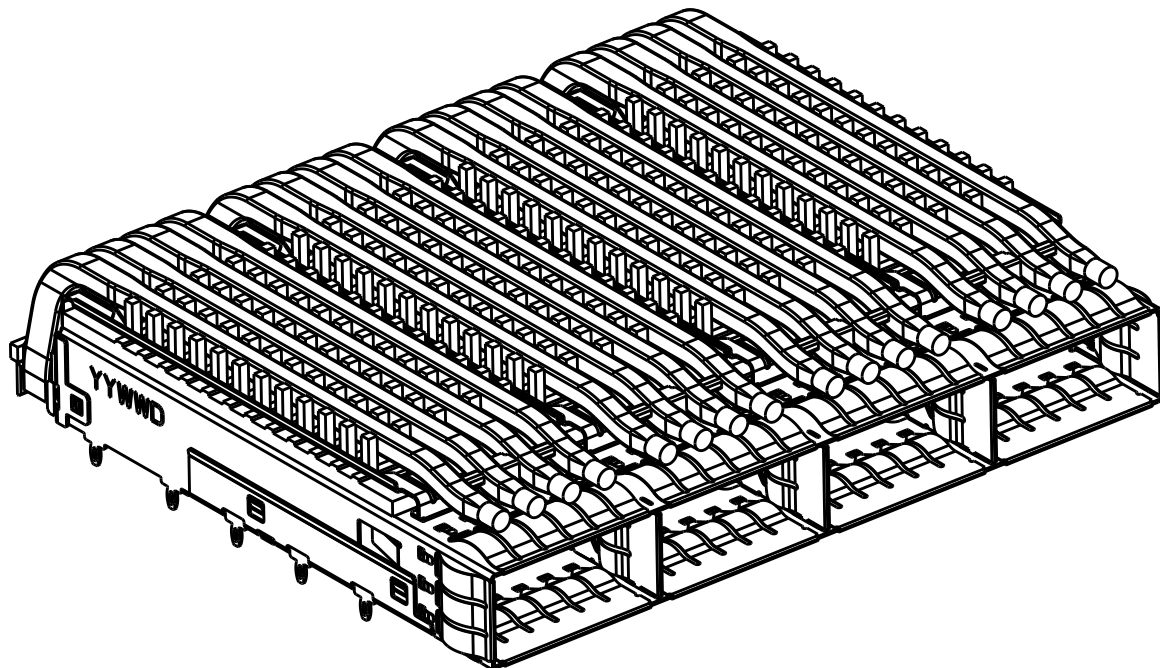
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 3:2

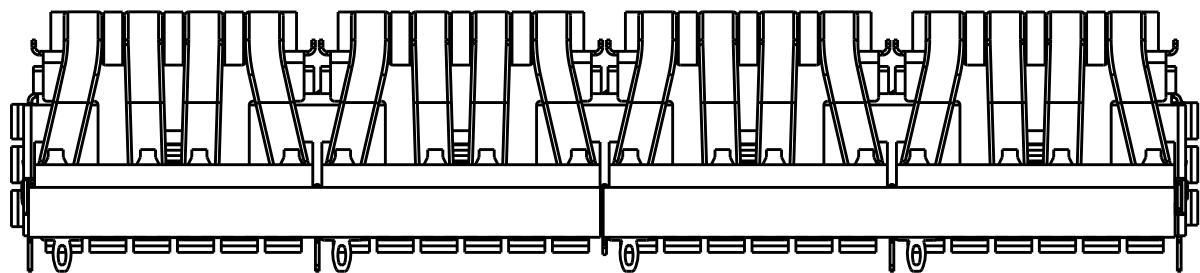


DUAL LIGHT PIPE
SCALE 3:2

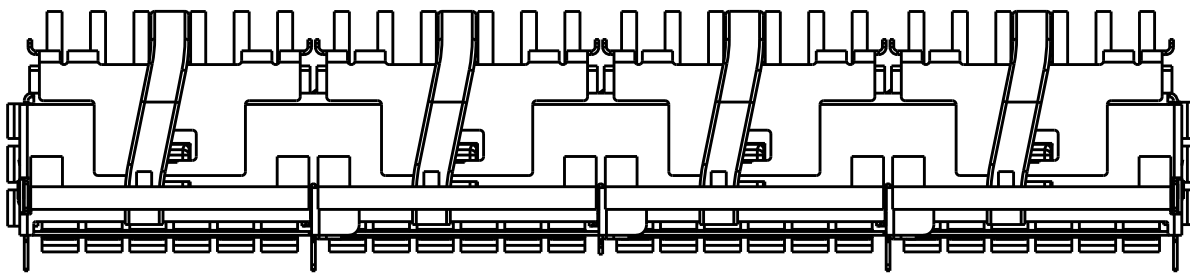


QUAD LIGHT PIPE
SCALE 3:2

OF REAR PIN OPTION



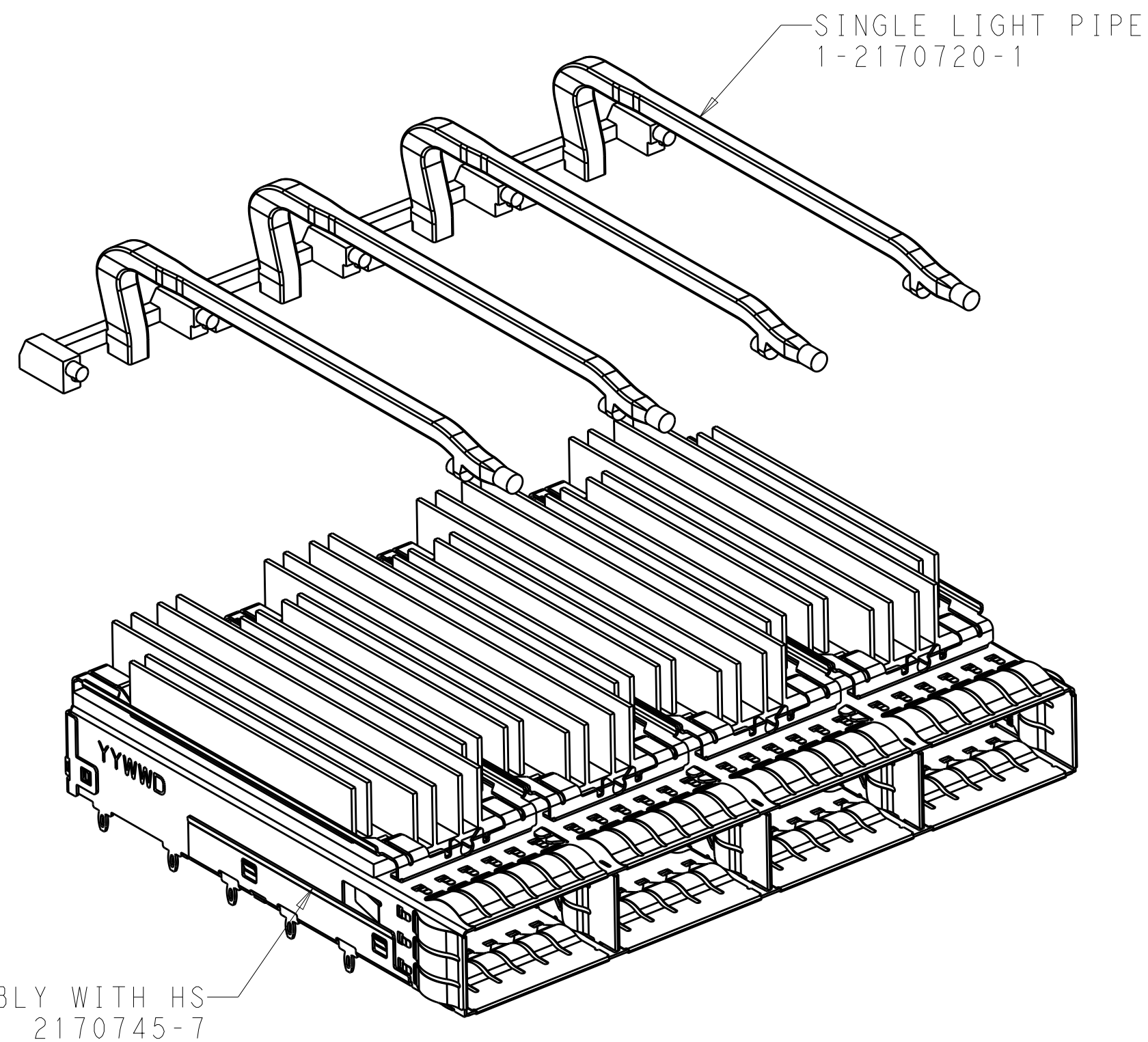
1 REAR PIN
SCALE 2:1



0 REAR PIN
SCALE 2:1

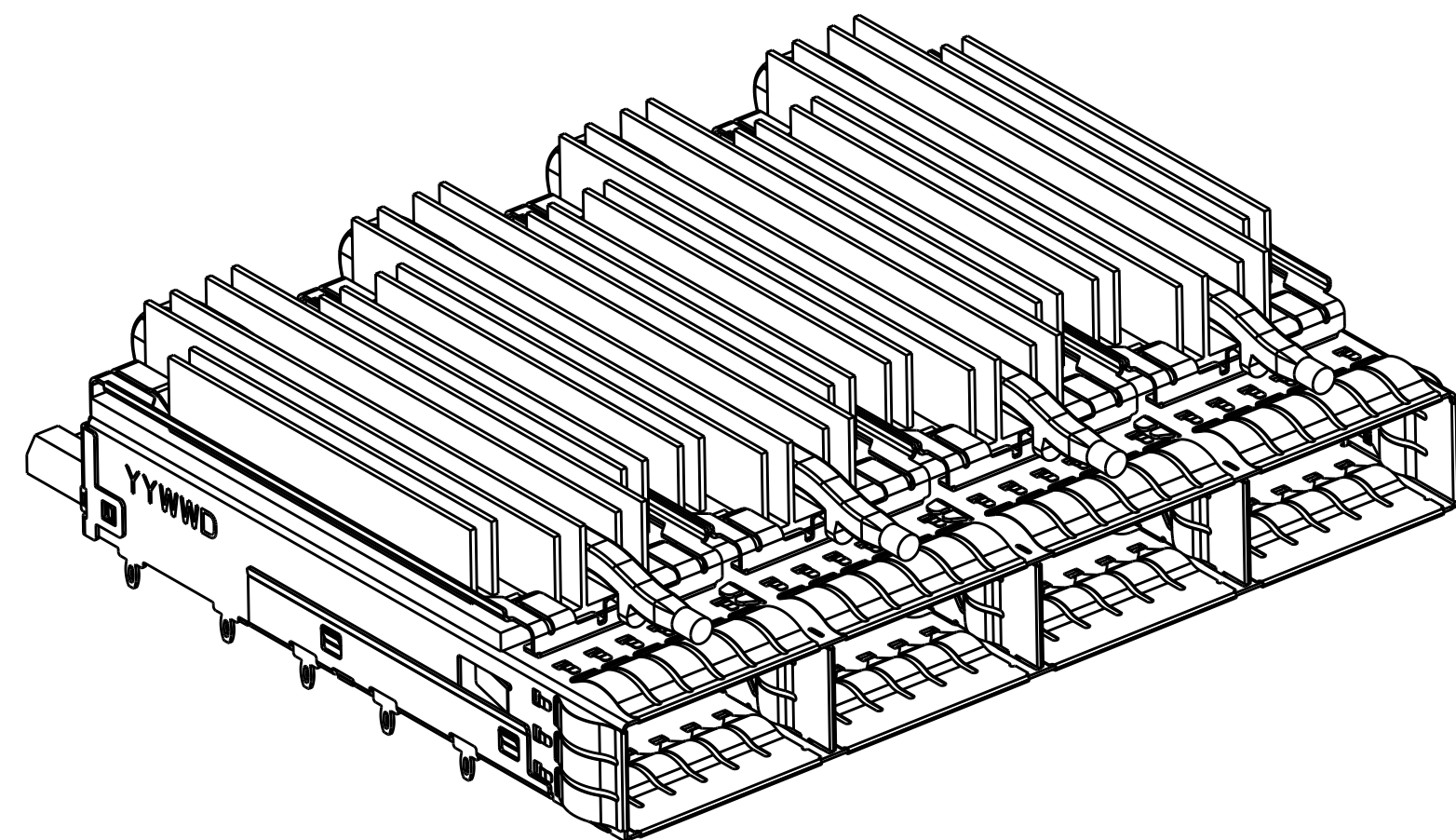
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			APPLICATION SPEC		SIZE	CAGE CODE
			114-32023		A200779	DRAWING NO
MATERIAL			WEIGHT		RESTRICTED TO	
SEE NOTES			CUSTOMER DRAWING		-	
					SCALE 1:1	SHEET 2 OF 13
					REV C	

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



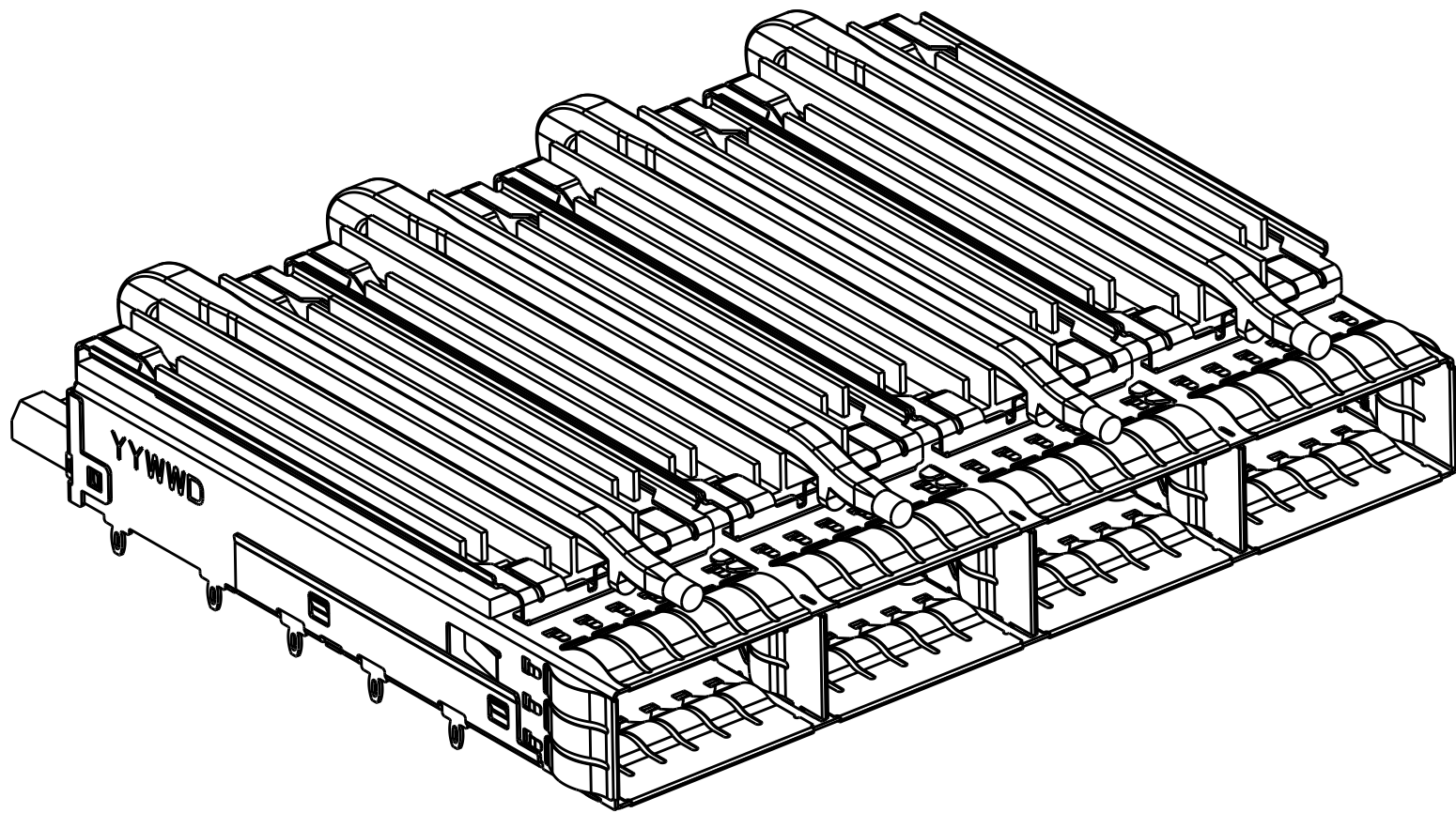
CAGE ASSEMBLY WITH HS
2170745-7

2170747-7 UNASSEMBLED
CAGE ASSY WITH HS AND LIGHT PIPE ARE UNASSEMBLED,
AND PACKAGED INDIVIDUALLY.
CUSTOMIZED HEAT SINK
SCALE 2:1

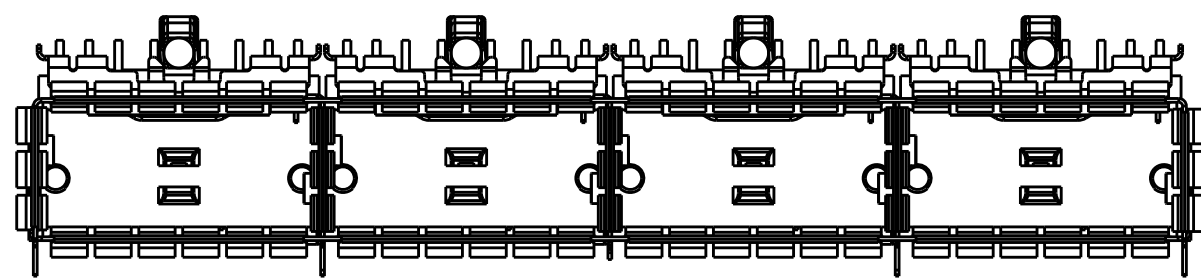


2170747-8 ASSEMBLED
ASSEMBLED AND PAKCAGED TOGETHER, CUSTOMIZED HEAT SINK
SCALE 2:1

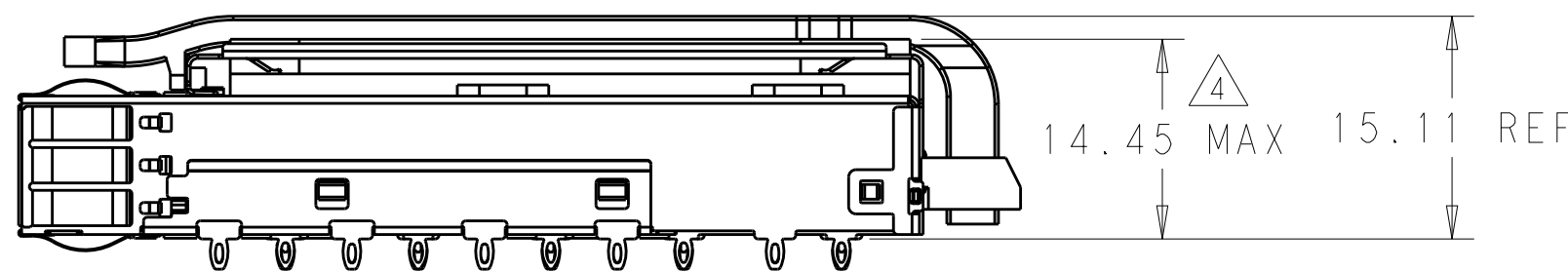
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING		
0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C-2170747
MATERIAL SEE NOTES -		CUSTOMER DRAWING			RESTRICTED TO -
		SCALE 1:1	SHEET 3	OF 13	REV C



2170747-9 AS SHOWN
WITH CUSTOMIZED HEAT SINK
SCALE 2:1

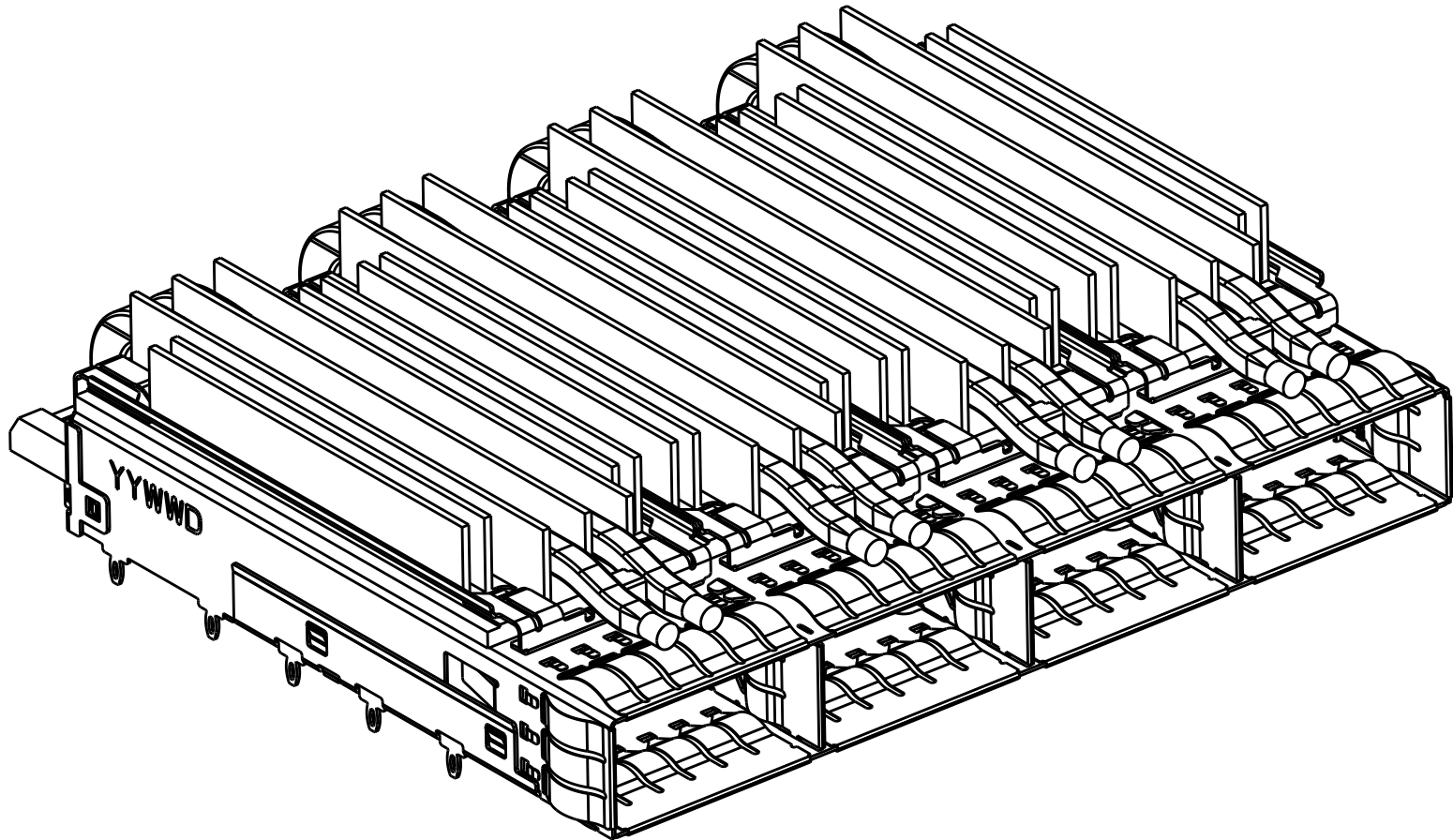


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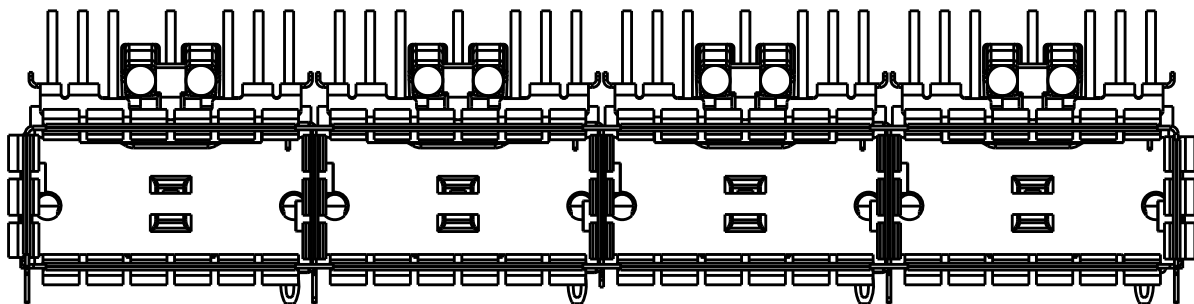


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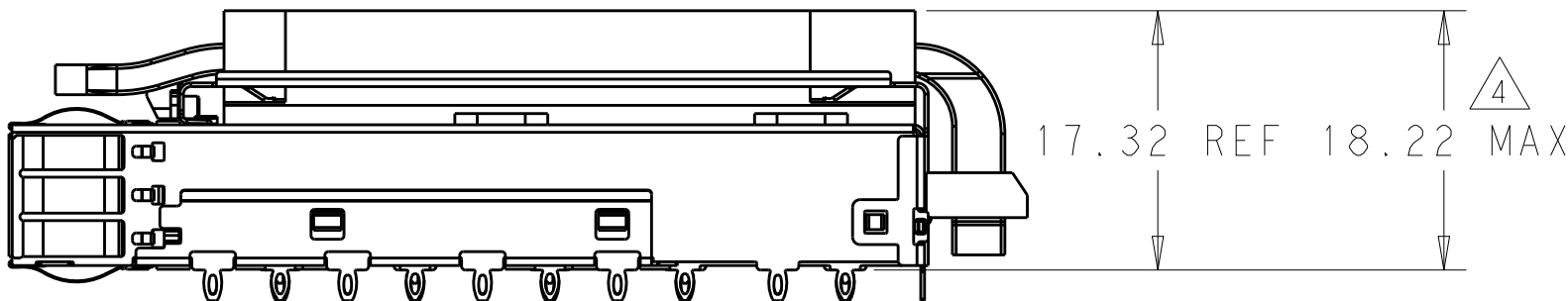
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



2-2170747-7 AS SHOWN
WITH CUSTOMIZED HEAT SINK
SCALE 2:1

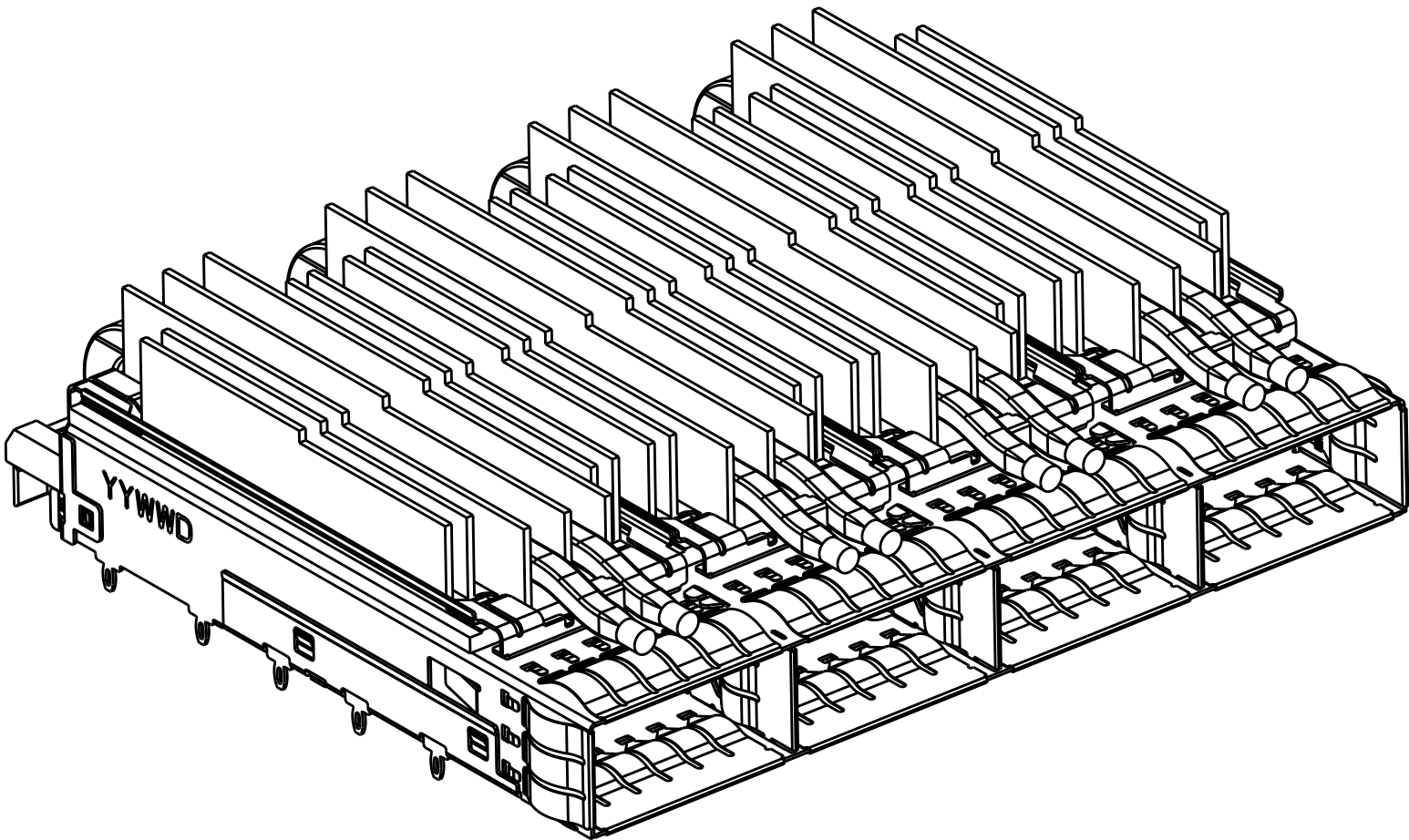


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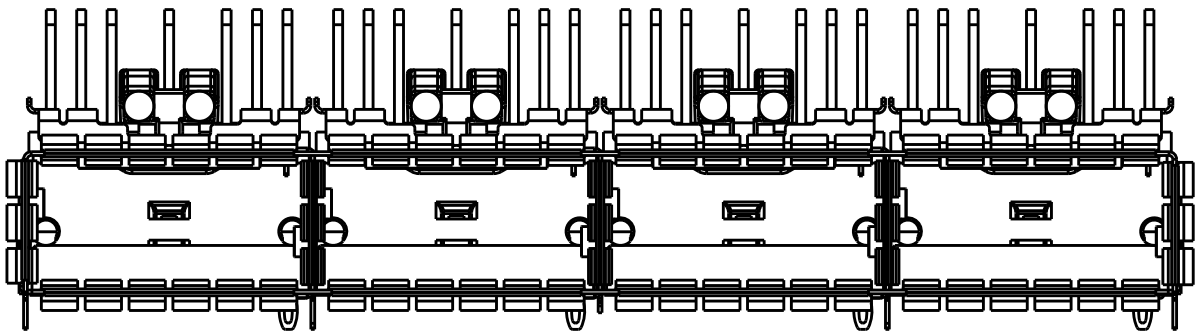


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DIMENSIONS:		APVD -	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING		
mm		PRODUCT SPEC 108-19428			
		APPLICATION SPEC 114-32023	SIZE	CAGE CODE	DRAWING NO
		WEIGHT -	A2	00779	C-2170747
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CUSTOMER DRAWING	SCALE 1:1	SHEET 5 OF 13	REV C
0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH					
MATERIAL SEE NOTES -					
SEE NOTES -					

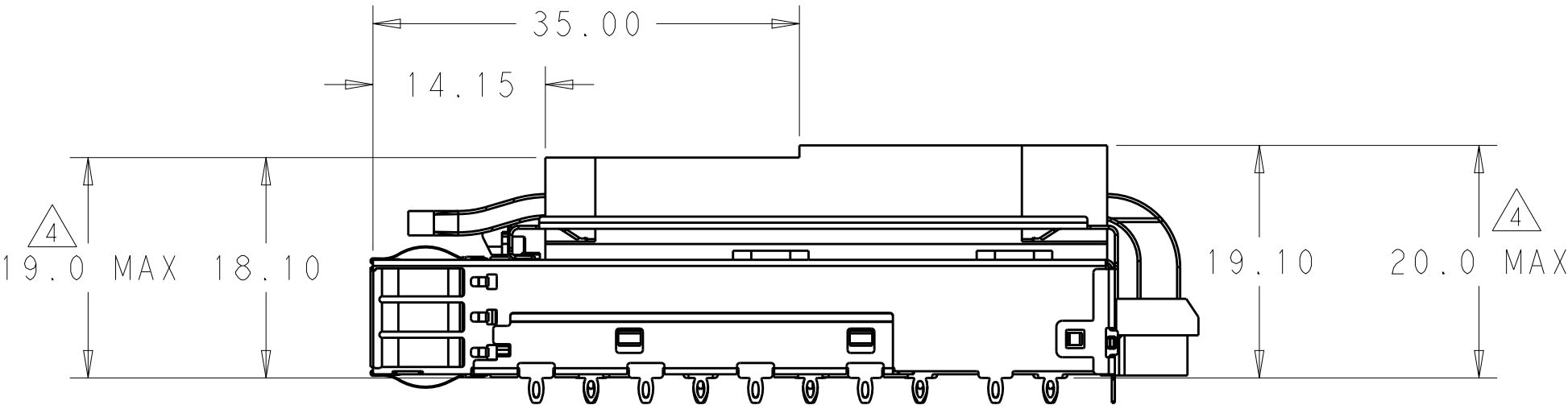
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



2-2170747-8 AS SHOWN
WITH CUSTOMIZED HEAT SINK
SCALE 2:1



SCALE 2:1



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		CHK 07JUN2014 SEAN HAN				
DIMENSIONS:		APVD -	NAME			
mm		PRODUCT SPEC	RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING			
		108-19428				
		APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		114-32023	A2	00779	C-2170747	-
MATERIAL		WEIGHT				
SEE NOTES		-				
		CUSTOMER DRAWING	SCALE	1:1	SHEET	6 OF 13
					REV	C

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REVISIONS

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

1	16.0	SAN	COATED QUAD LP	5-2170747-2
0	23.0	NETWORKING	QUAD LP	4-2170747-6
0	16.0	SAN	QUAD LP	4-2170747-5
0	13.7	PCI	QUAD LP	4-2170747-4
1	23.0	NETWORKING	QUAD LP	4-2170747-3
1	16.0	SAN	QUAD LP	4-2170747-2
1	13.7	PCI	QUAD LP	4-2170747-1
1	20.3	CUSTOMIZED	DUAL LP	2-2170747-8
1	18.22	CUSTOMIZED	DUAL LP	2-2170747-7
0	23.0	NETWORKING	DUAL LP	2-2170747-6
0	16.0	SAN	DUAL LP	2-2170747-5
0	13.7	PCI	DUAL LP	2-2170747-4
1	23.0	NETWORKING	DUAL LP	2-2170747-3
1	16.0	SAN	DUAL LP	2-2170747-2
1	13.7	PCI	DUAL LP	2-2170747-1
0	14.45	CUSTOMIZED	SINGLE LP	2170747-9
0	18.05	CUSTOMIZED	SINGLE LP	2170747-8
0	18.05	CUSTOMIZED	SINGLE LP	2170747-7 ¹³
0	23.0	NETWORKING	SINGLE LP	2170747-6
0	16.0	SAN	SINGLE LP	2170747-5
0	13.7	PCI	SINGLE LP	2170747-4
1	23.0	NETWORKING	SINGLE LP	2170747-3
1	16.0	SAN	SINGLE LP	2170747-2
1	13.7	PCI	SINGLE LP	2170747-1
# OF REAR PIN	DIM A	APPLICATION	LIGHT PIPE OPTION	PART NUMBER

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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

MATERIAL

SEE NOTES

-

DWN 04JUN2014
JASON YANG

CHK 07JUN2014
SEAN HAN

APVD -

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, 1X4, QSFP28, SPRING

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-2170747

RESTRICTED TO
-

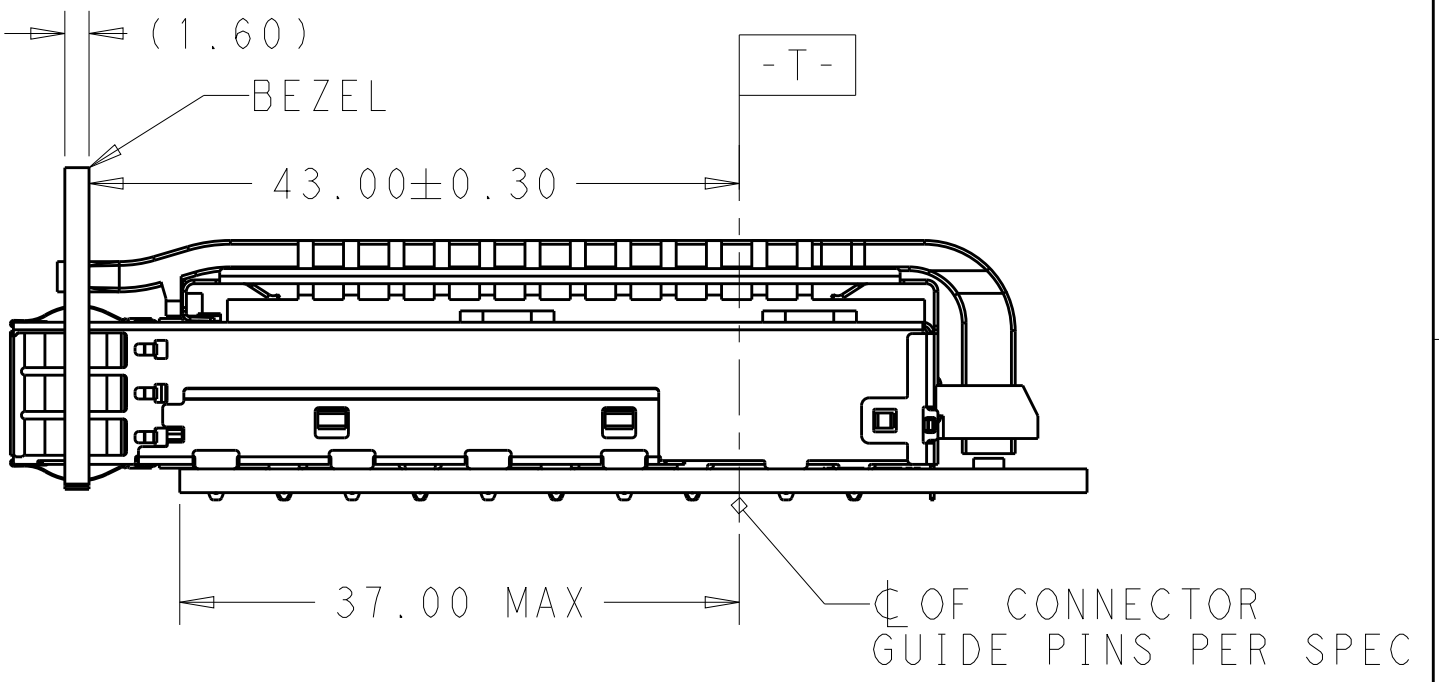
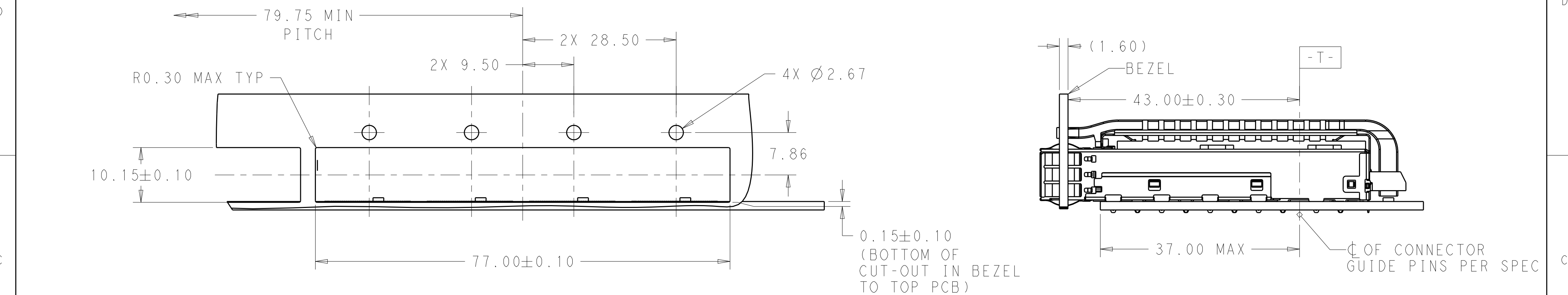
SCALE
1:1

SHEET
7 OF 13

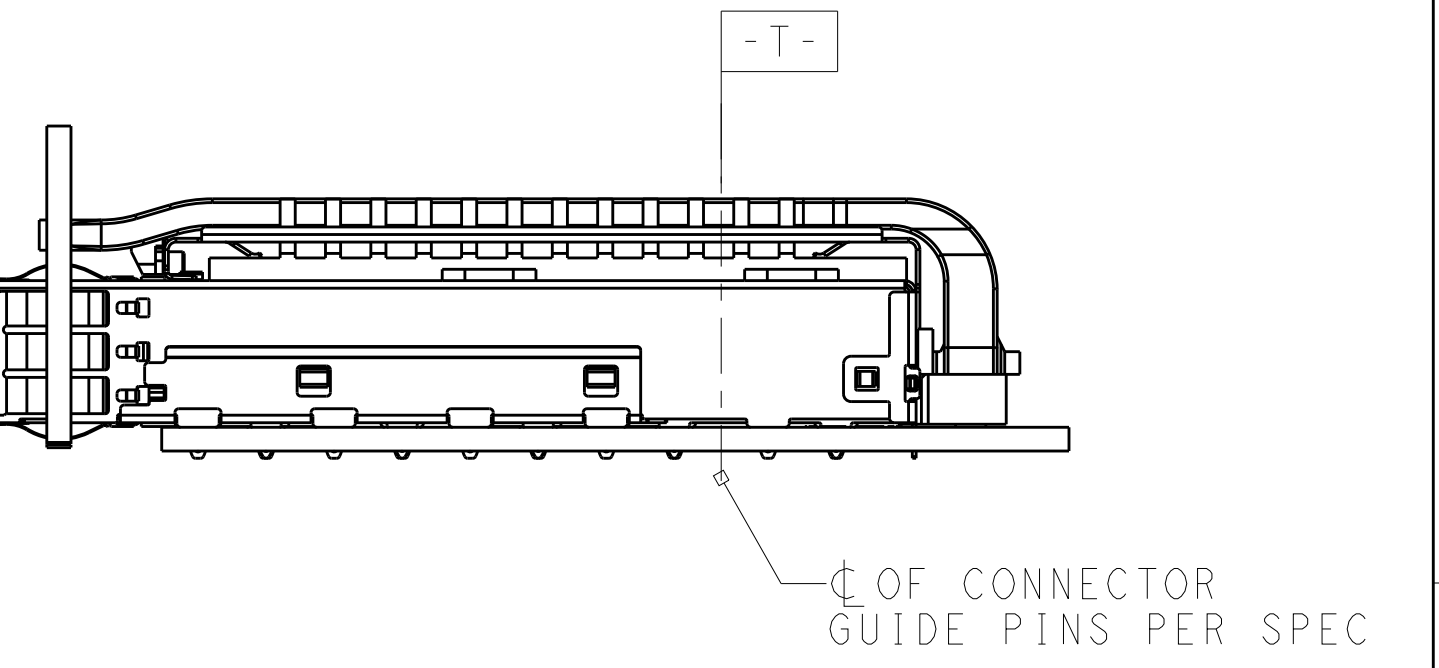
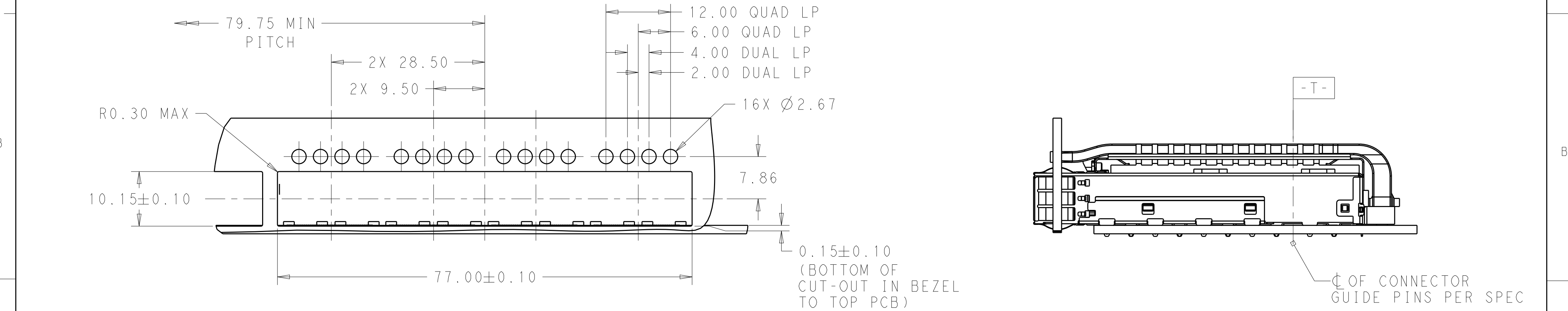
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1471-9 (3/13)

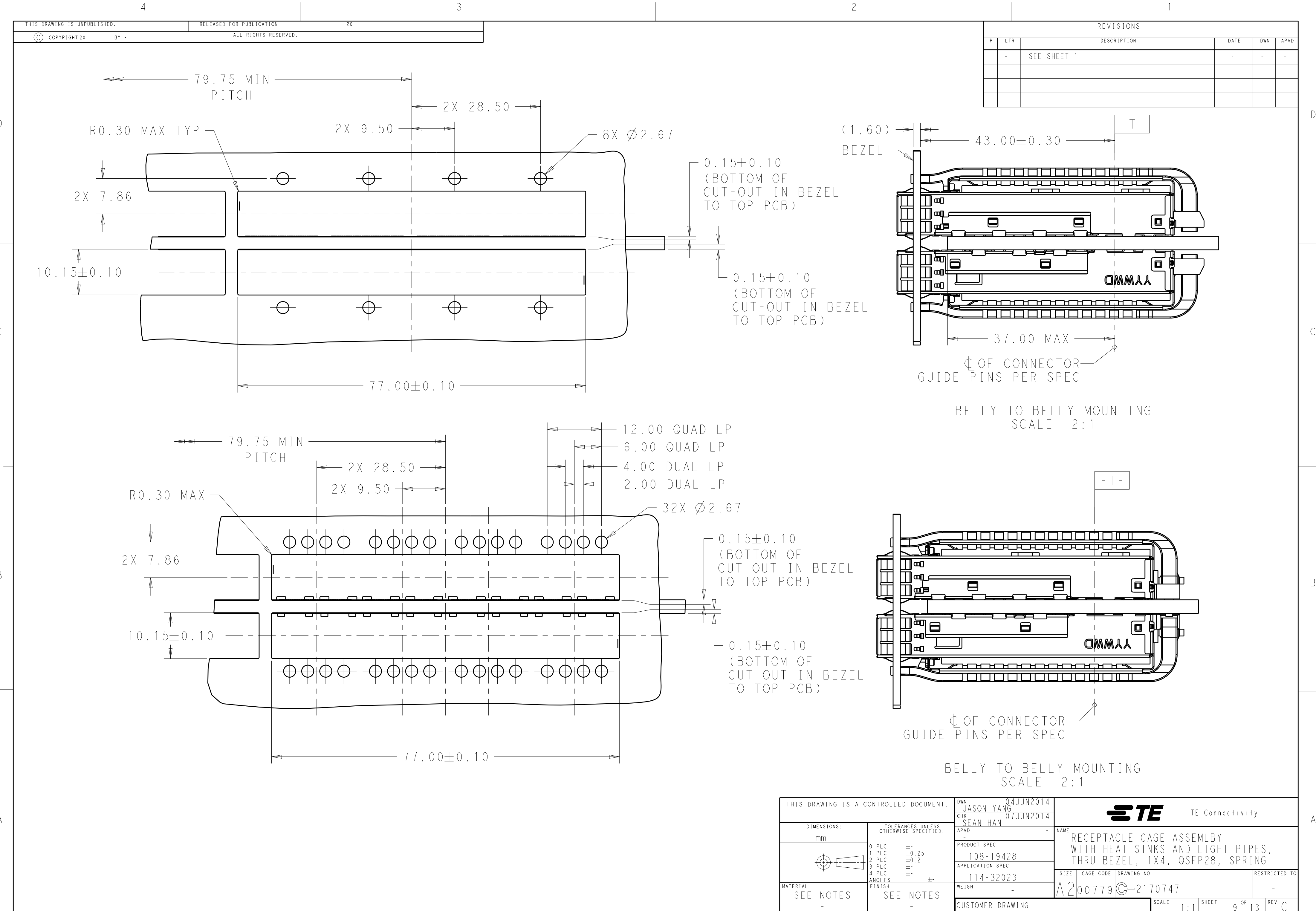
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SINGLE SIDE MOUNTING
SCALE 2:1

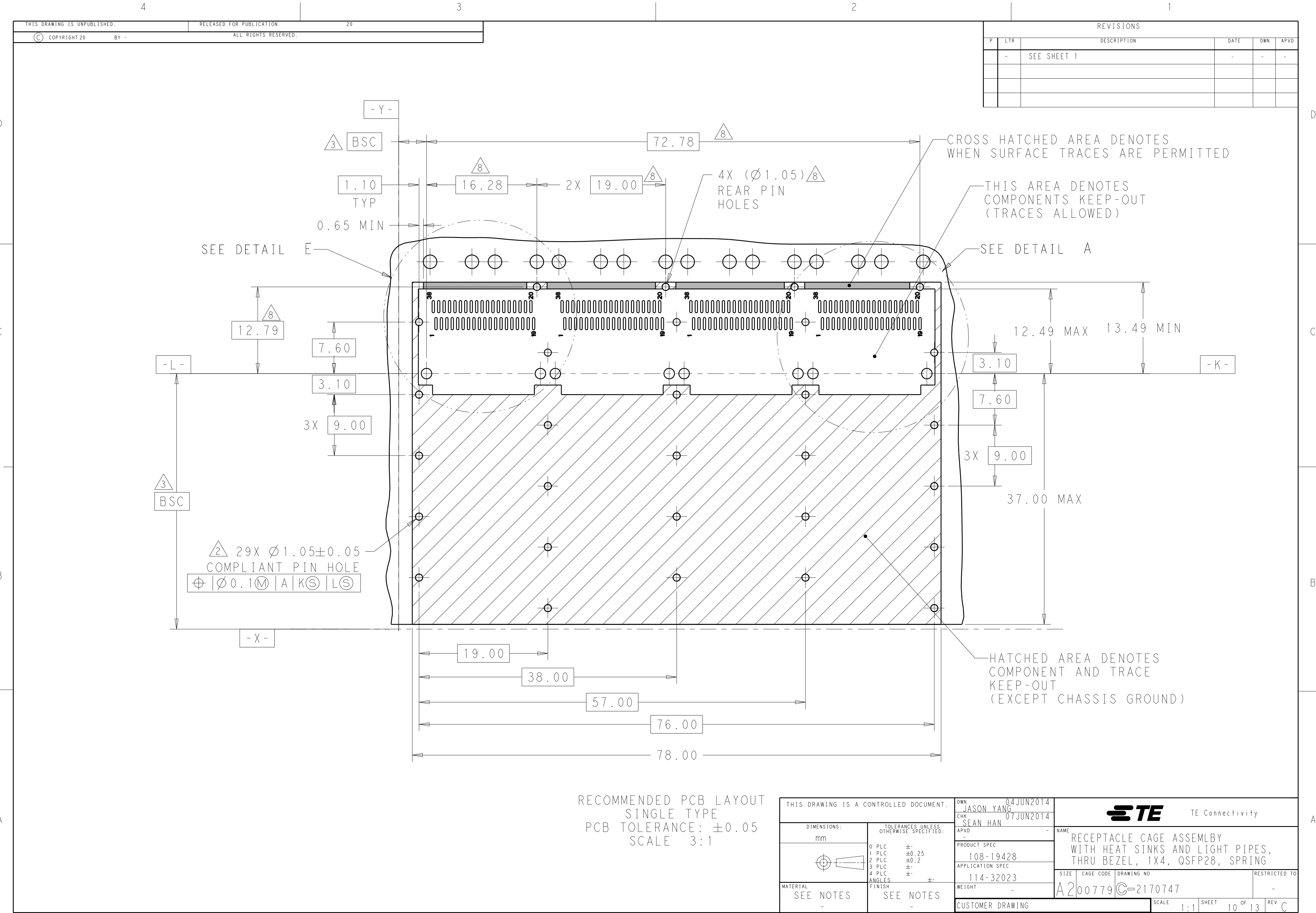


SINGLE SIDE MOUNTING
SCALE 2:1



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

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		CHK 07JUN2014 SEAN HAN			
DIMENSIONS:		APVD -	NAME		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING		
	0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH	108-19428			
MATERIAL	SEE NOTES	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
-	-	114-32023	A200779	C-2170747	RESTRICTED TO
		WEIGHT	-		
		CUSTOMER DRAWING	SCALE 1:1	SHEET 9 OF 13	REV C

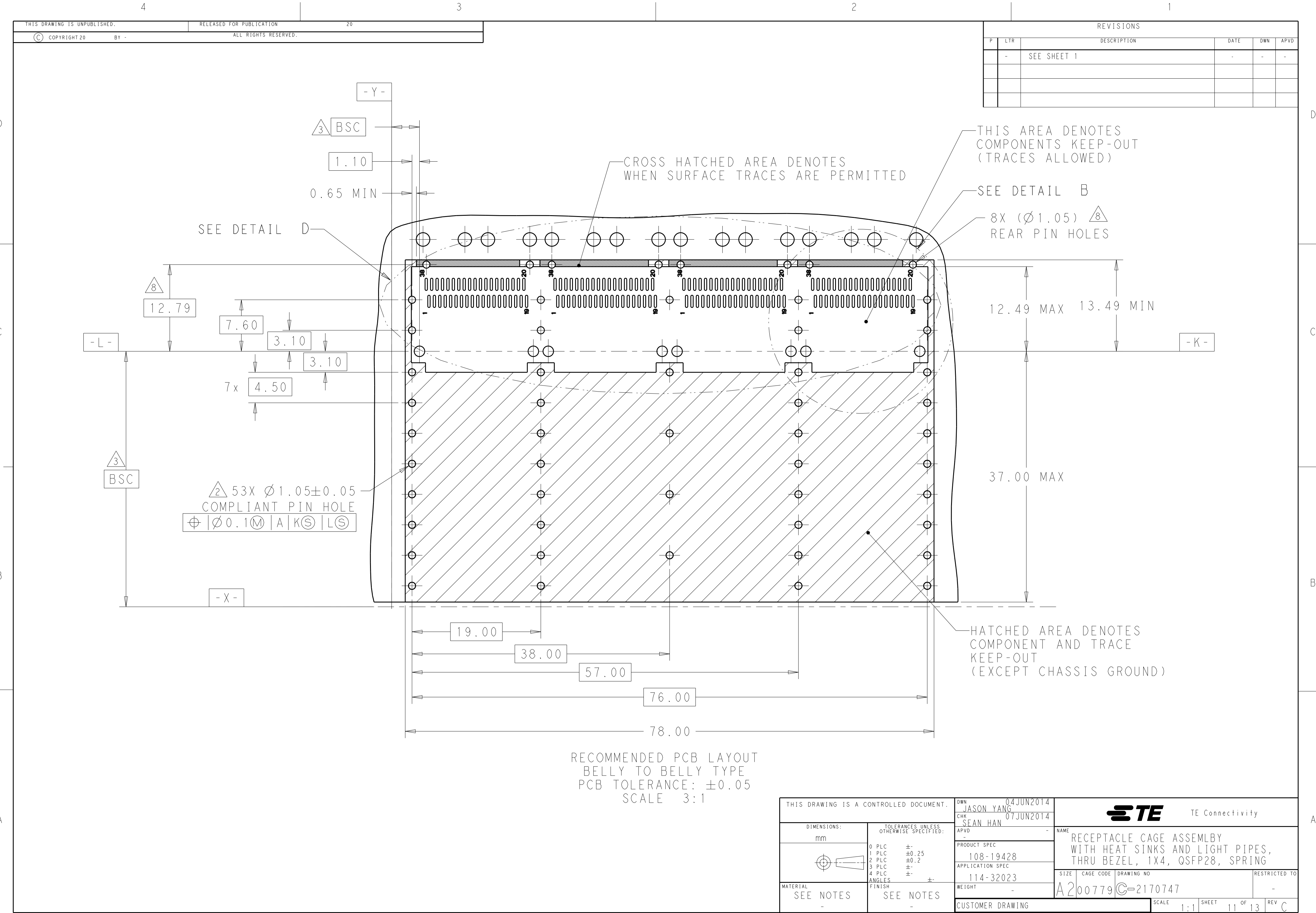


REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-

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		APVD -	NAME	
DIMENSIONS:		PRODUCT SPEC	RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING	
mm		108-19428		
		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
		114-32023	A200779C-2170747	
MATERIAL		WEIGHT	RESTRICTED TO	
SEE NOTES		-	-	
		CUSTOMER DRAWING	SCALE 1:1 SHEET 10 OF 13 REV C	

TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	±
1 PLC	±0.25
2 PLC	±0.2
3 PLC	±
4 PLC	±
ANGLES	±
FINISH	SEE NOTES



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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN 04JUN2014 JASON YANG	CHK 07JUN2014 SEAN HAN	APVD -
PRODUCT SPEC	108-19428	APPLICATION SPEC	114-32023
WEIGHT	-	CUSTOMER DRAWING	SCALE 1:1
SHEET 11	OF 13	REV C	

NAME		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING		A200779		C-2170747					

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

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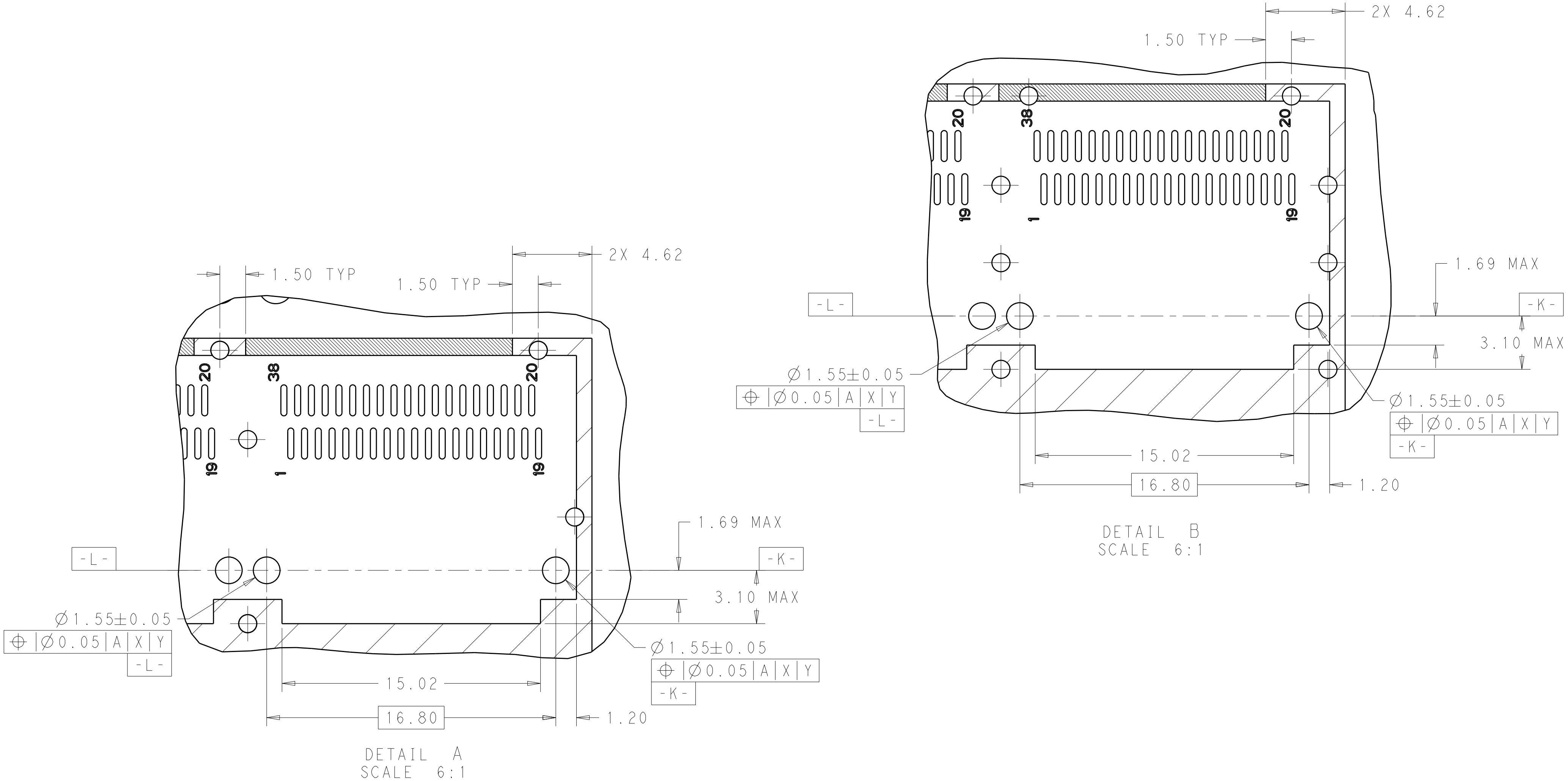
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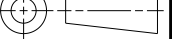
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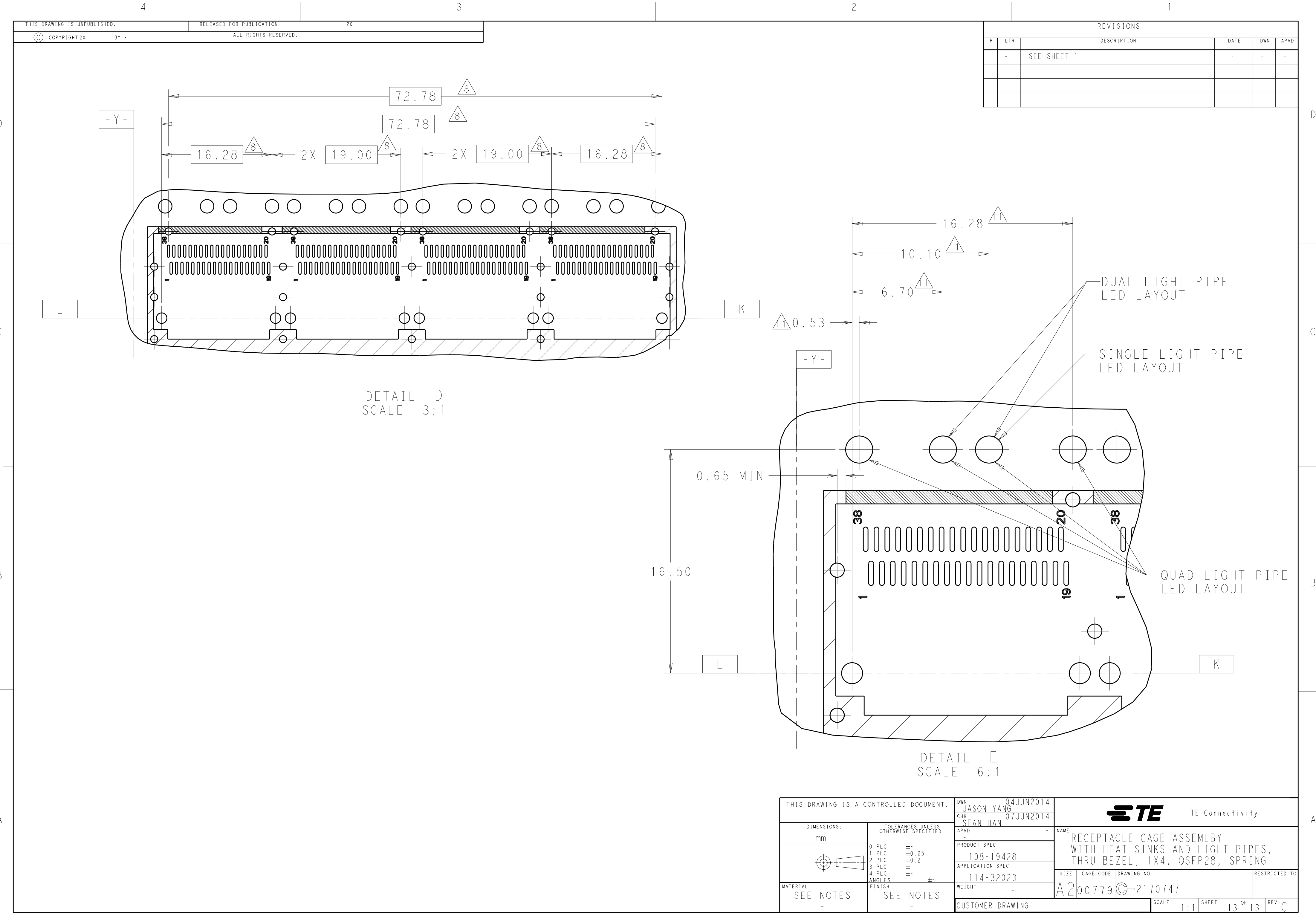
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		CHK 07JUN2014 SEAN HAN					
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		0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH ±					
MATERIAL SEE NOTES -		PRODUCT SPEC 108-19428		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		APPLICATION SPEC 114-32023		A200779	C=2170747		-
		WEIGHT -		CUSTOMER DRAWING			
				SCALE	SHEET		REV
				1:1	12 OF 13		C



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