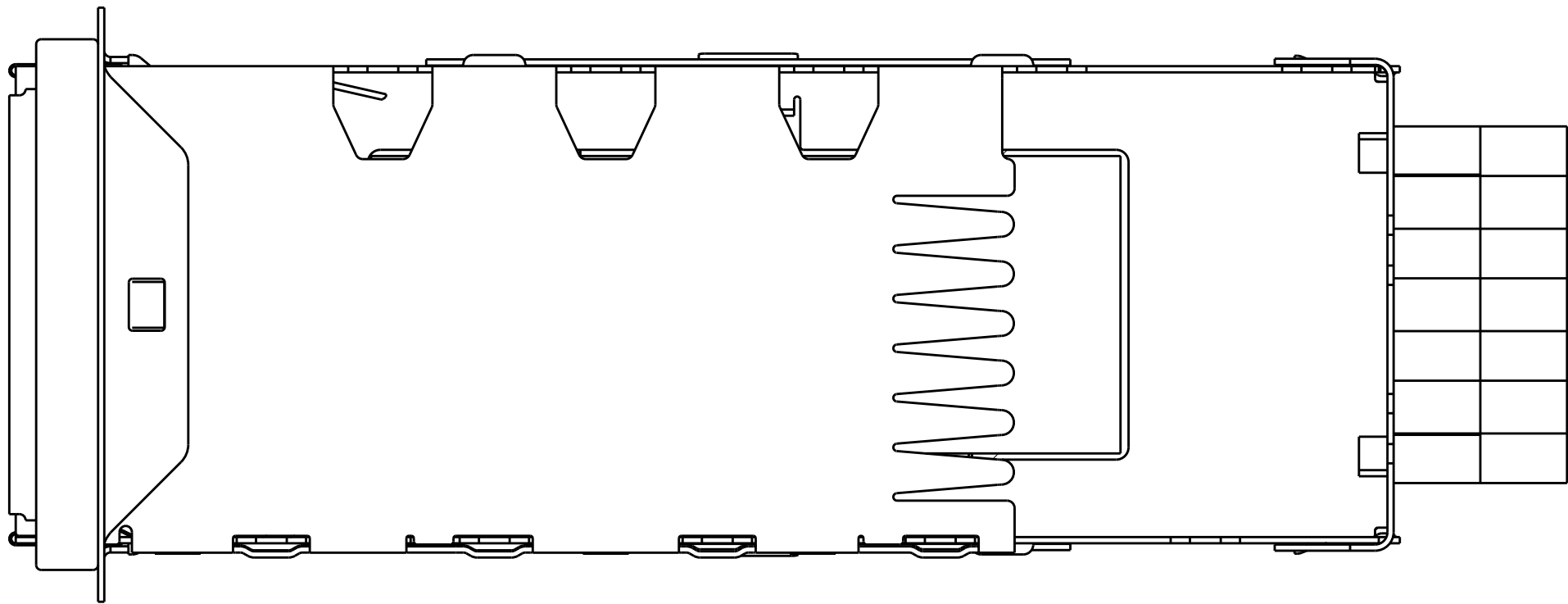
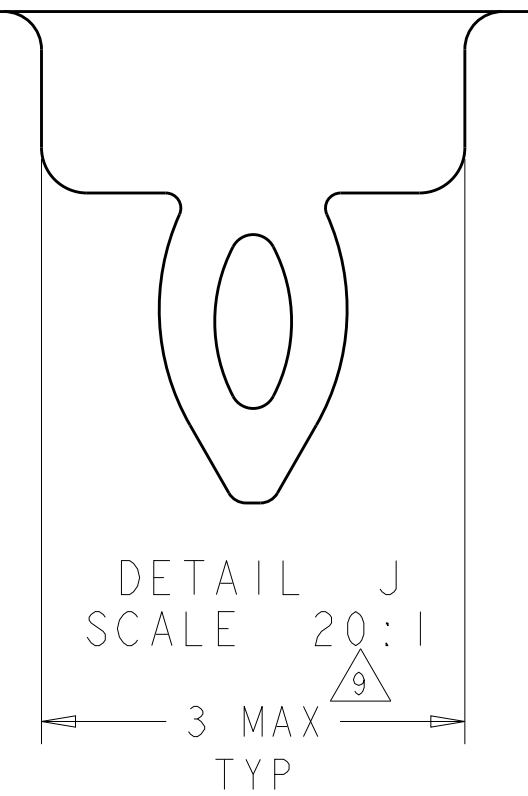
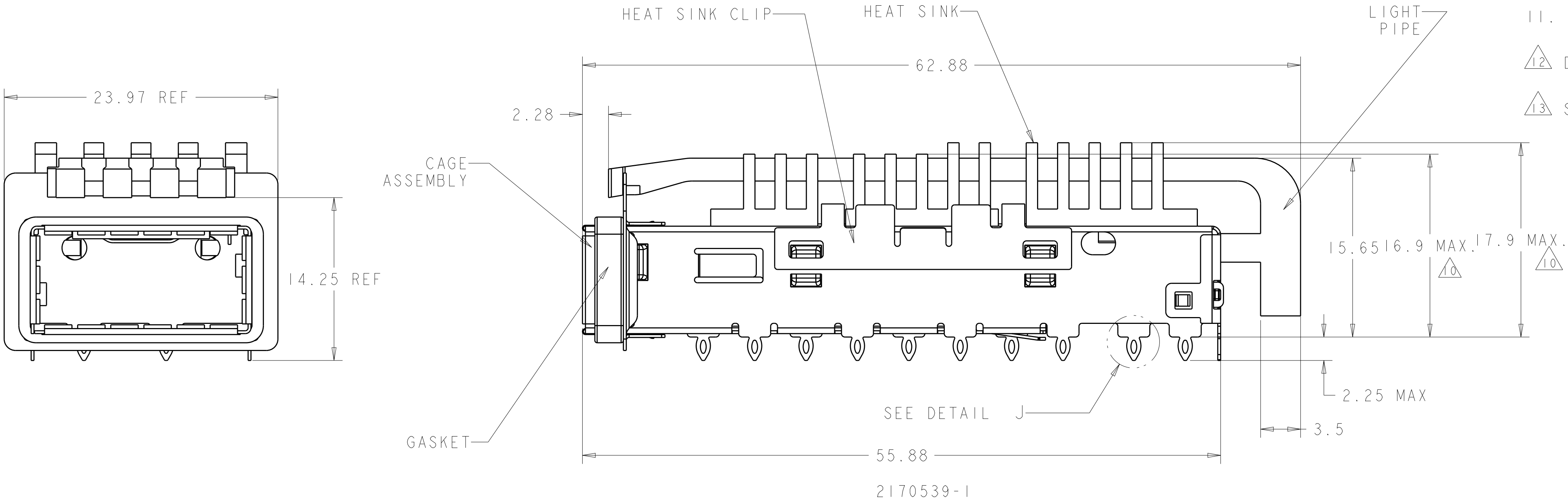
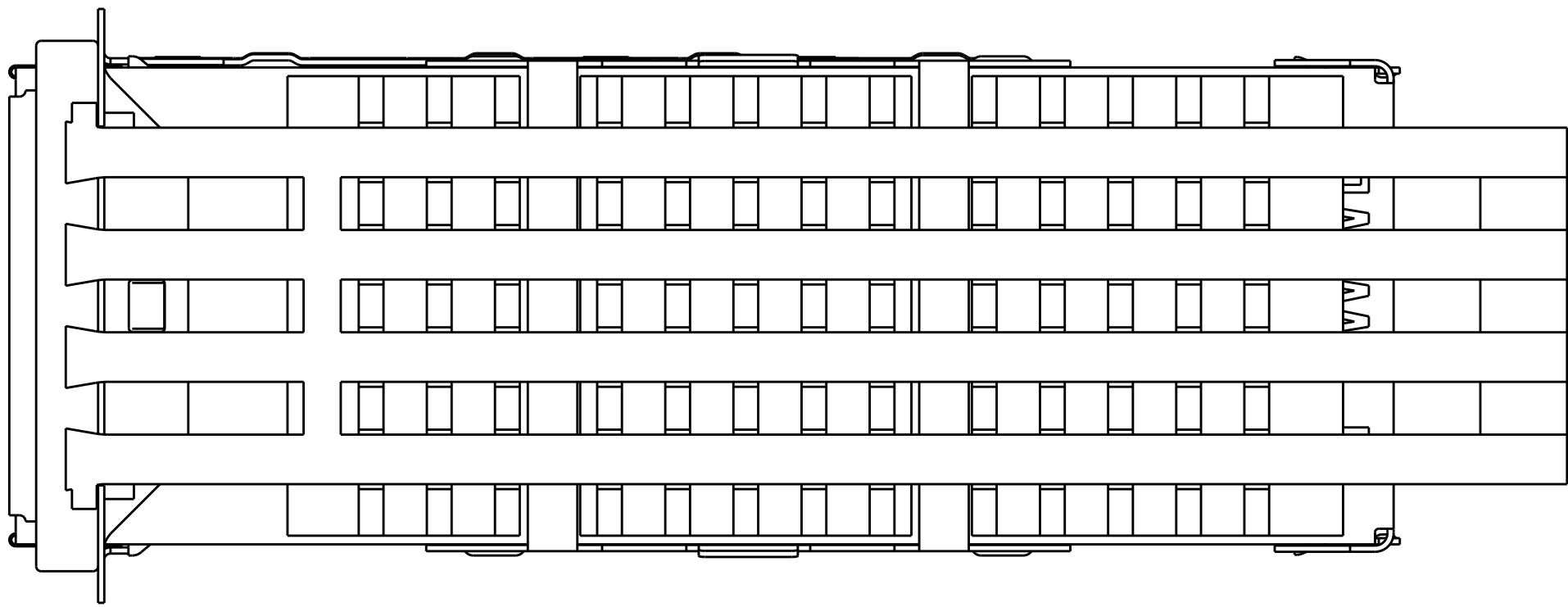
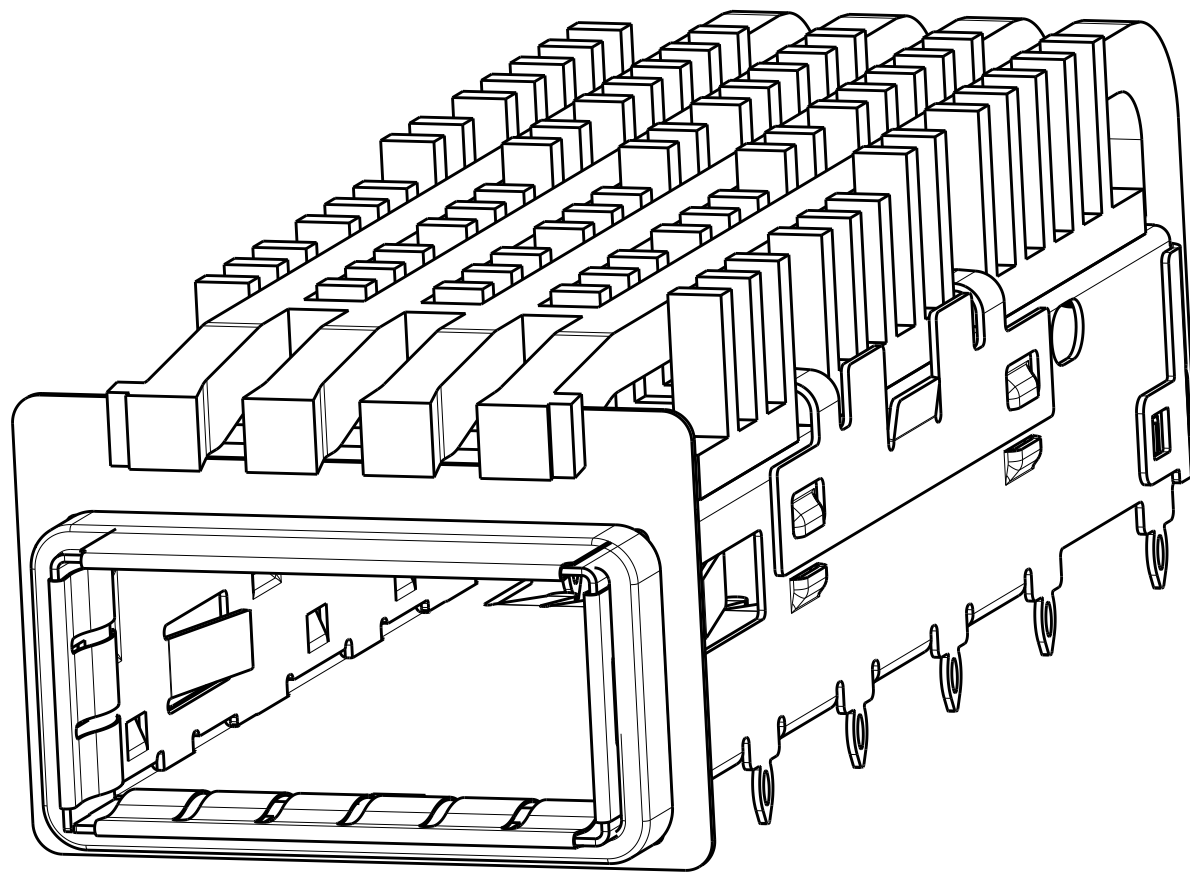


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		4	PRELIMINARY	04MAY2014	HW	MC
			5	ADD 2170539-5	04MAY2014	HW	MC
			A	ADD SHEET 6 2170539-6	17SEP2015	RG	SH

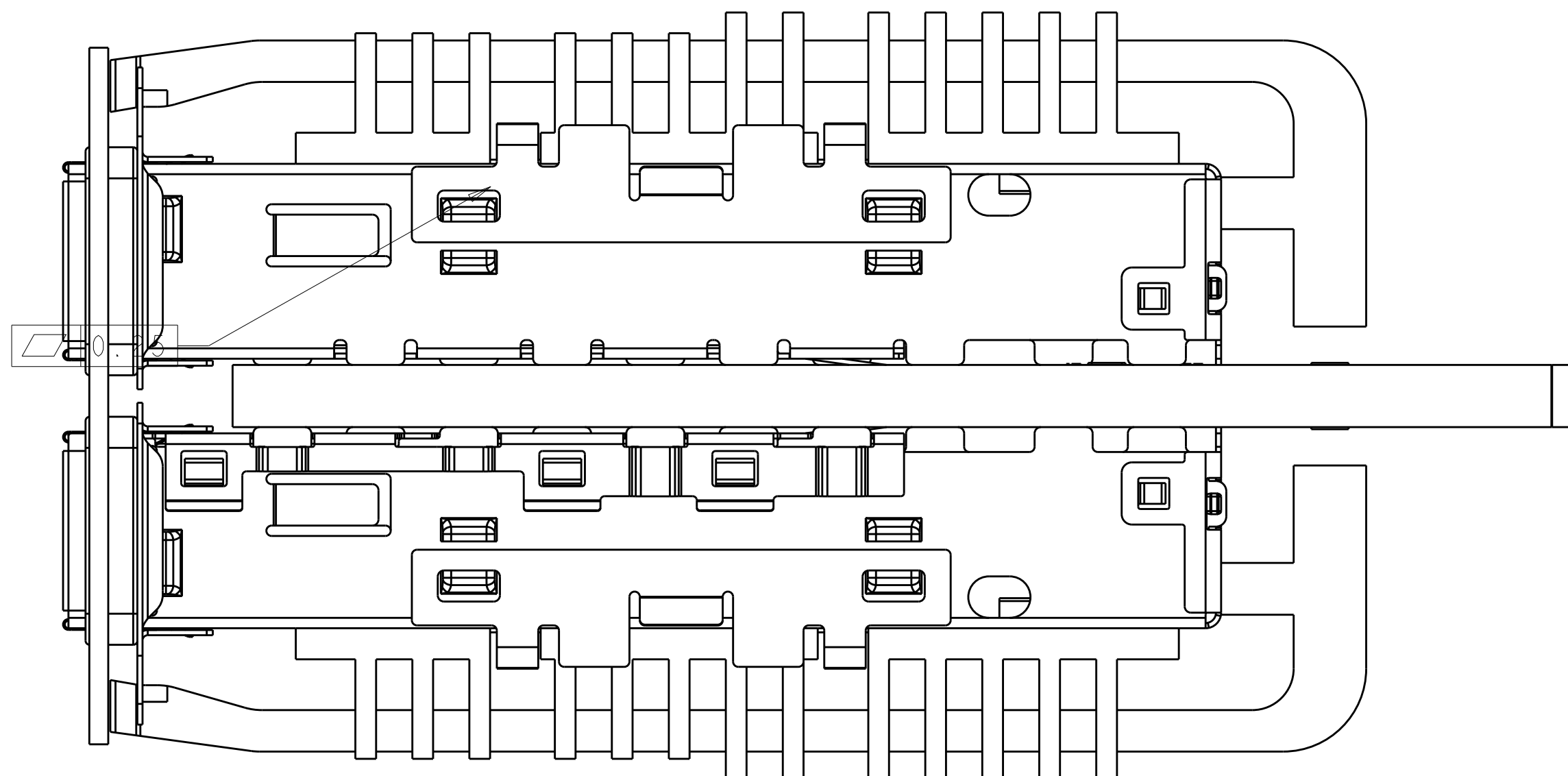
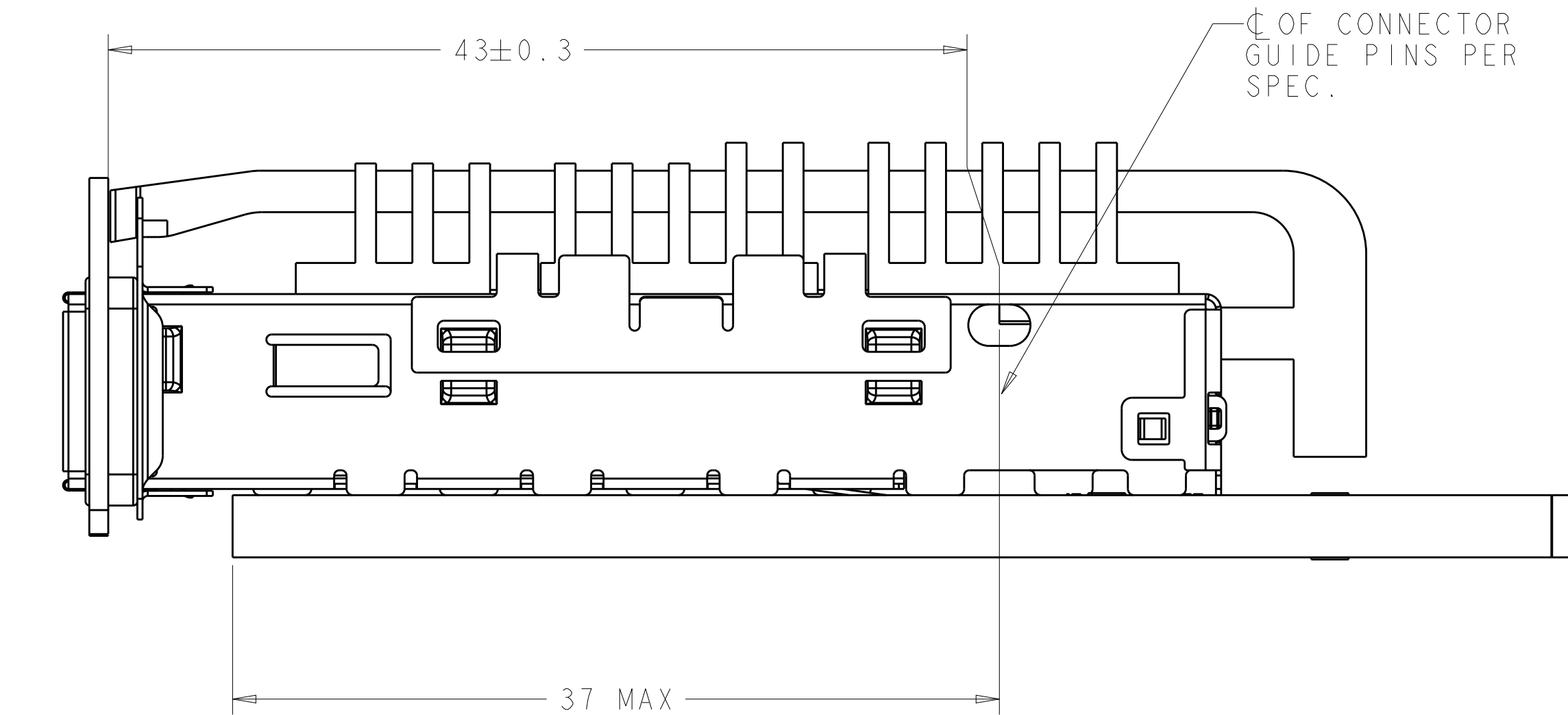
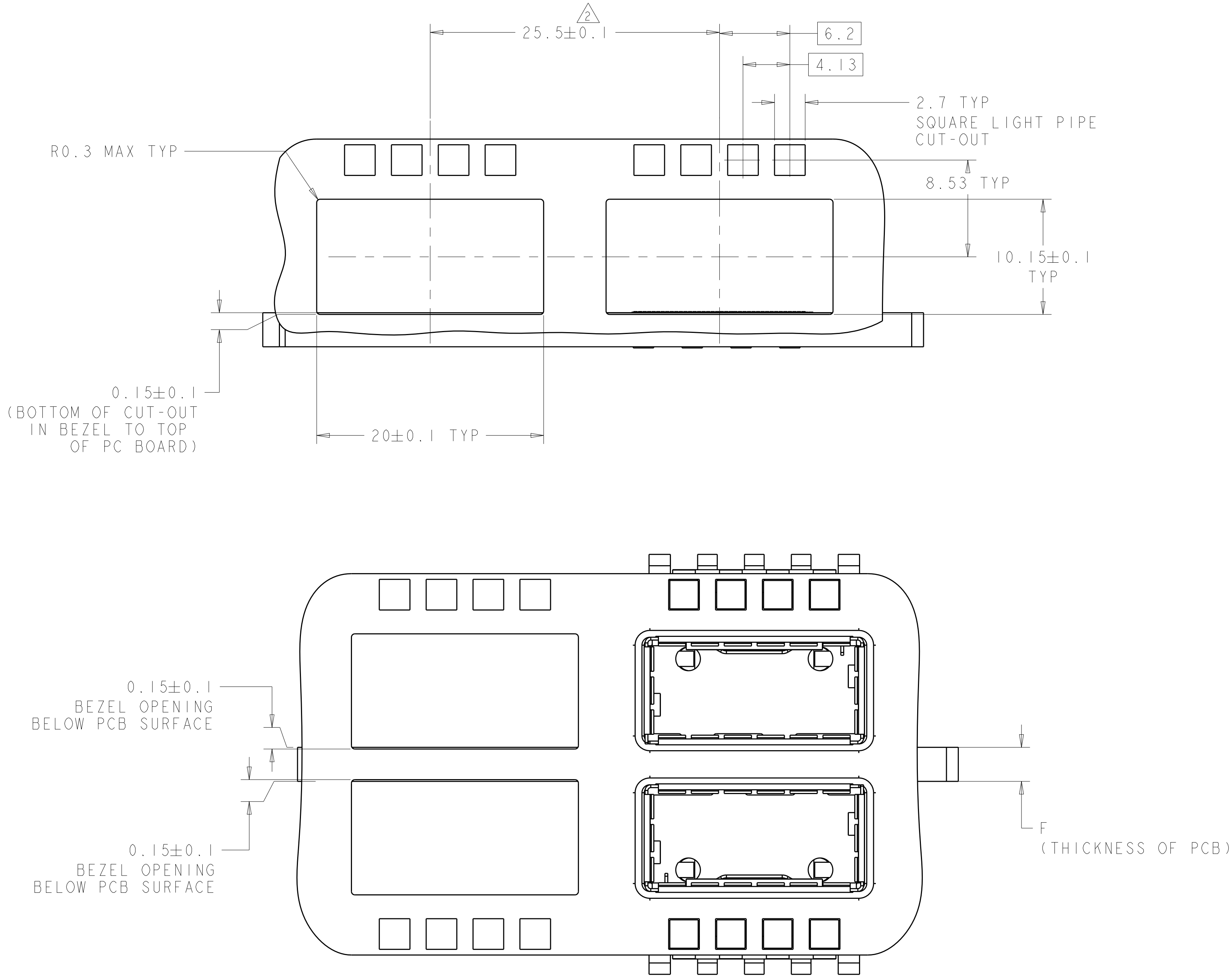


1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-O RATED.
EMI SPRING MATERIAL: COPPER ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. REFERENCE APPLICATION SPEC 114-13217 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
6. MINIMUM PC BOARD THICKNESS:
SINGLE SIDED = 1.45mm (shown, pg. 4)
7. HEAT SINK, CLIP, AND LIGHT PIPE SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
8. DATUM **-A-** IS TOP SURFACE OF HOST BOARD.
9. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.
10. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.
11. MAXIMUM HEIGHT OF CUSTOMER SUPPLIED LED OFF PC BOARD: 1.70mm.
12. DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
13. SPRING FINISH: MATT TIN 2µm MIN, NON-PLATED EDGES PERMISSIBLE.

SAN HEAT SINK WITH ONE PIN HEIGHT, HEAT SINK CLIP HORN SHAPE LP & SOLID GASKET	2170539-5
ONLY SOLID GASKET	2170539-4
SAN HEAT SINK WITH TWO PIN HEIGHT, HEAT SINK CLIP NRMAL LP & HOLLOW GASKET	2170539-3
ONLY HOLLOW GASKET	2170539-2
SAN HEAT SINK WITH TWO PIN HEIGHT, HEAT SINK CLIP HORN SHAPE LP & SOLID GASKET	2170539-1
DESCRIPTION	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE CHK JASON YANG APVD ALEX CAI	14MAY2013 14MAY2013 14MAY2013
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
	0 PLC	±.5	
	1 PLC	±0.5	
	2 PLC	±0.13	
	3 PLC	±0.13	
	4 PLC	±0.0001	
ANGLES	±.5		
MATERIAL 	FINISH	-	
	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217 WEIGHT -		
CUSTOMER DRAWING		NAME CAGE ASSEMBLY, QSFP+, W/ HEAT SINK, EMI GASKET AND LIGHT PIPE SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		A100779C-2170539 SCALE 4:1 SHEET 1 OF 6 REV A	

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

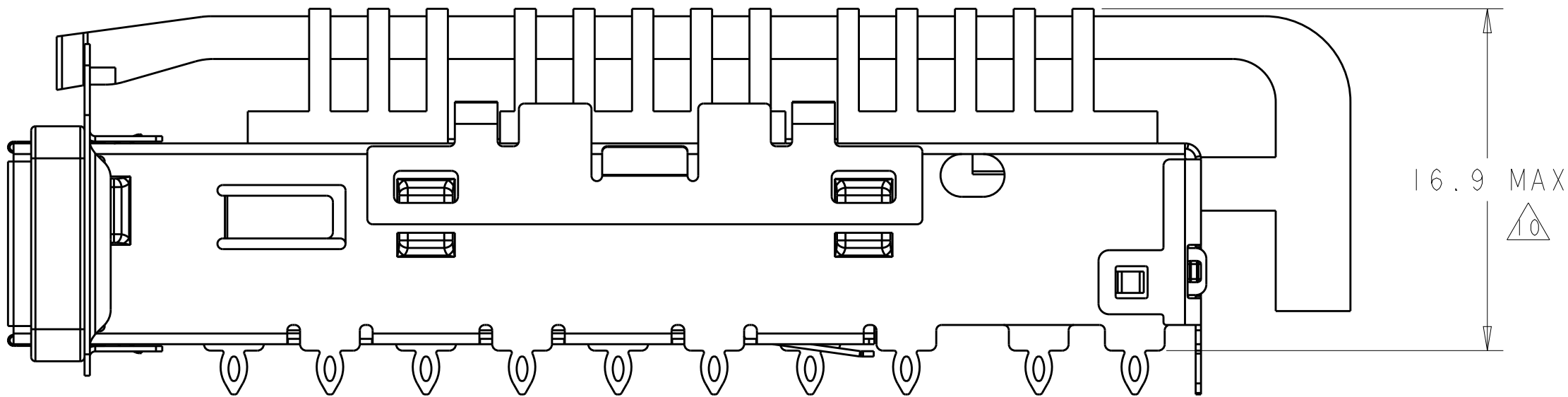


SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TIM XUE	14MAY2013	 TE Connectivity		
		CHK	JASON YANG	14MAY2013			
DIMENSIONS:		APVD	ALEX CAI	14MAY2013	NAME CAGE ASSEMBLY, QSFP+, W/ HEAT SINK, EMI GASKET AND LIGHT PIPE		
mm		PRODUCT SPEC					
		108-2286			SIZE A100779		
		APPLICATION SPEC					
		114-13217			RESTRICTED TO -		
FINISH		WEIGHT					
MATERIAL		Customer Drawing			SCALE 4:1 SHEET 2 OF 6 REV A		

4805 (3/11)

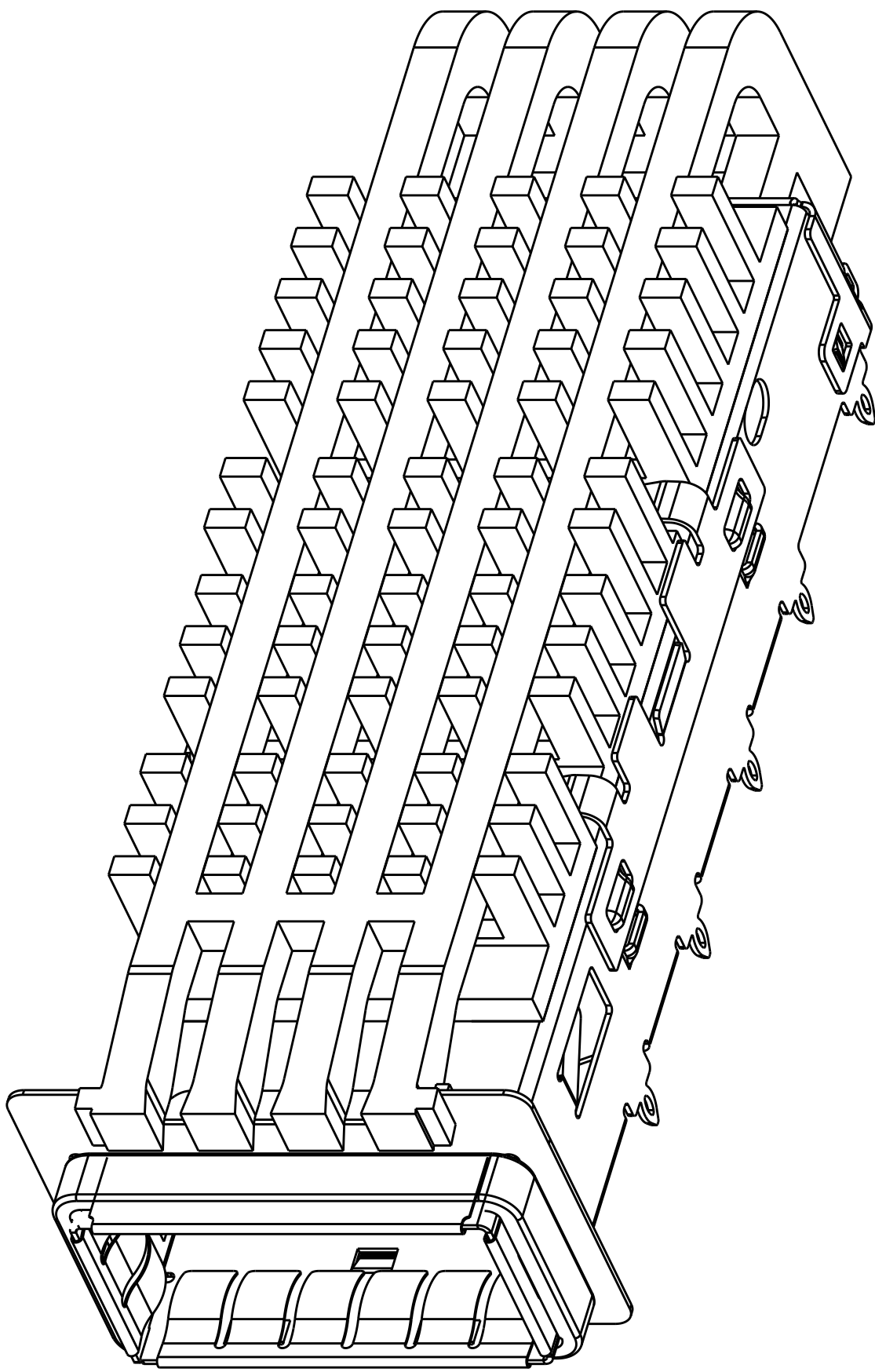
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



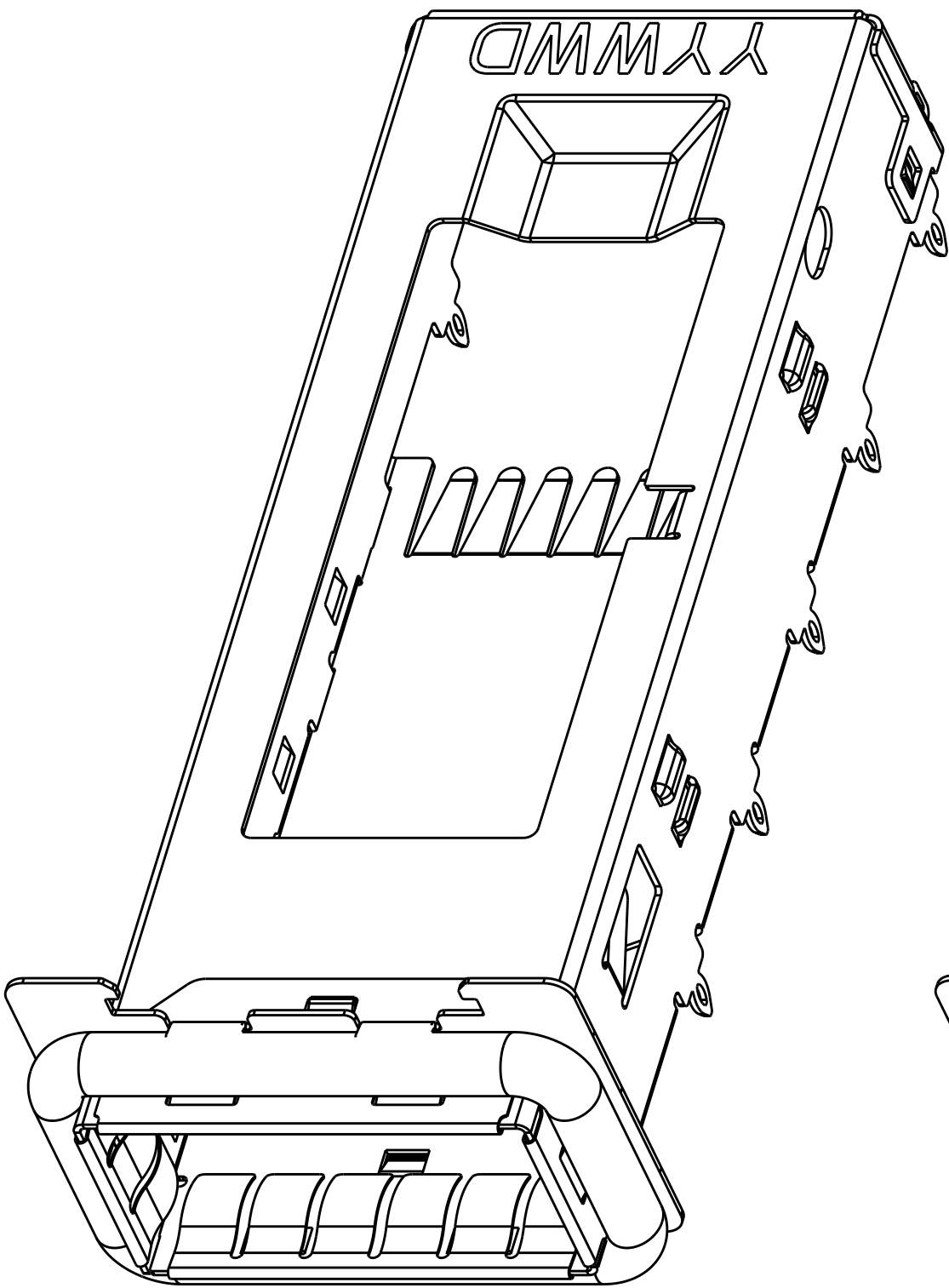
SCALE 4:1
2170539-5
EXCEPT INDICATED DIMENSION
OTHER DIMENSIONS ARE SAME AS 2170539-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TIM XUE		14MAY2013		 TE Connectivity	
		CHK	JASON YANG		14MAY2013			
DIMENSIONS:		APVD	ALEX CAI		14MAY2013		NAME CAGE ASSEMBLY, QSFP+, W/ HEAT SINK,EMI GASKET AND LIGHT PIPE	
mm		PRODUCT SPEC						
		108-2286					SIZE A100779	
		APPLICATION SPEC						
		114-13217						
		FINISH						
MATERIAL		WEIGHT		RESTRICTED TO				
-		-		CAGE CODE		-		
-		Customer Drawing		DRAWING NO		-		
				C=2170539				
				SCALE				
				4:1				
				SHEET				
				4				
				OF				
				6				
				REV				
				A				

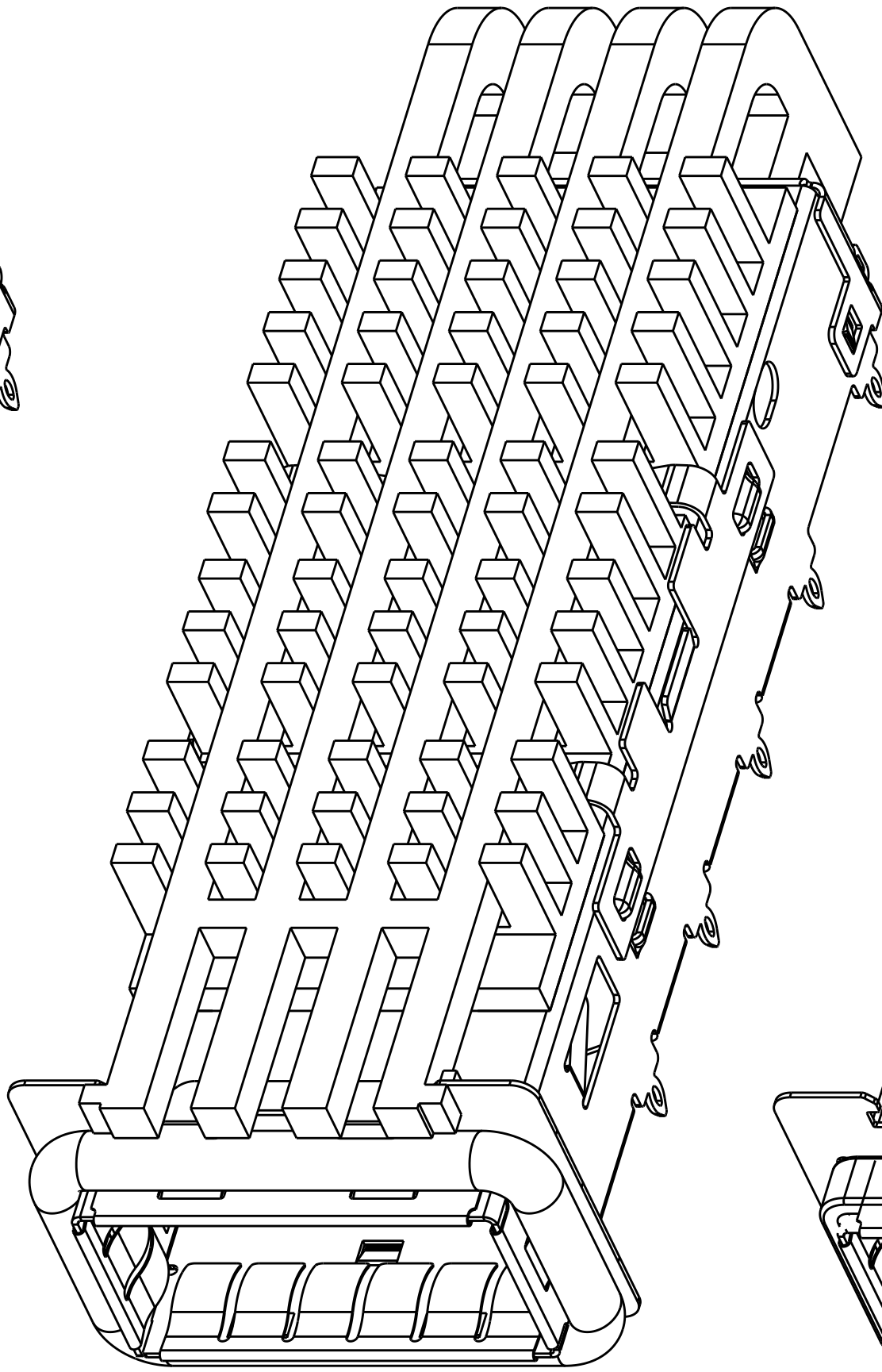
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1		-	-



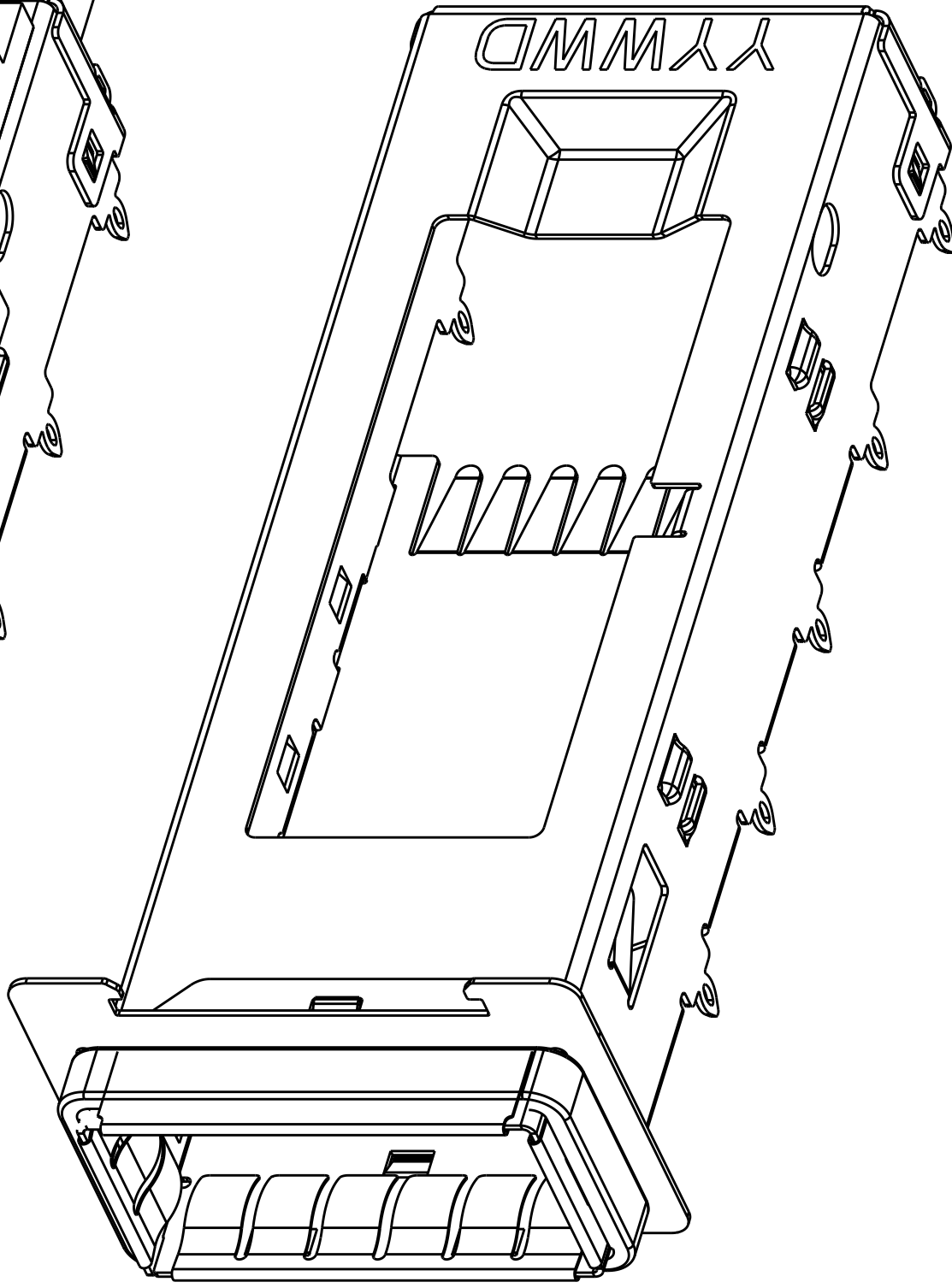
SCALE 4:1
2170539-1 AS SHOWN



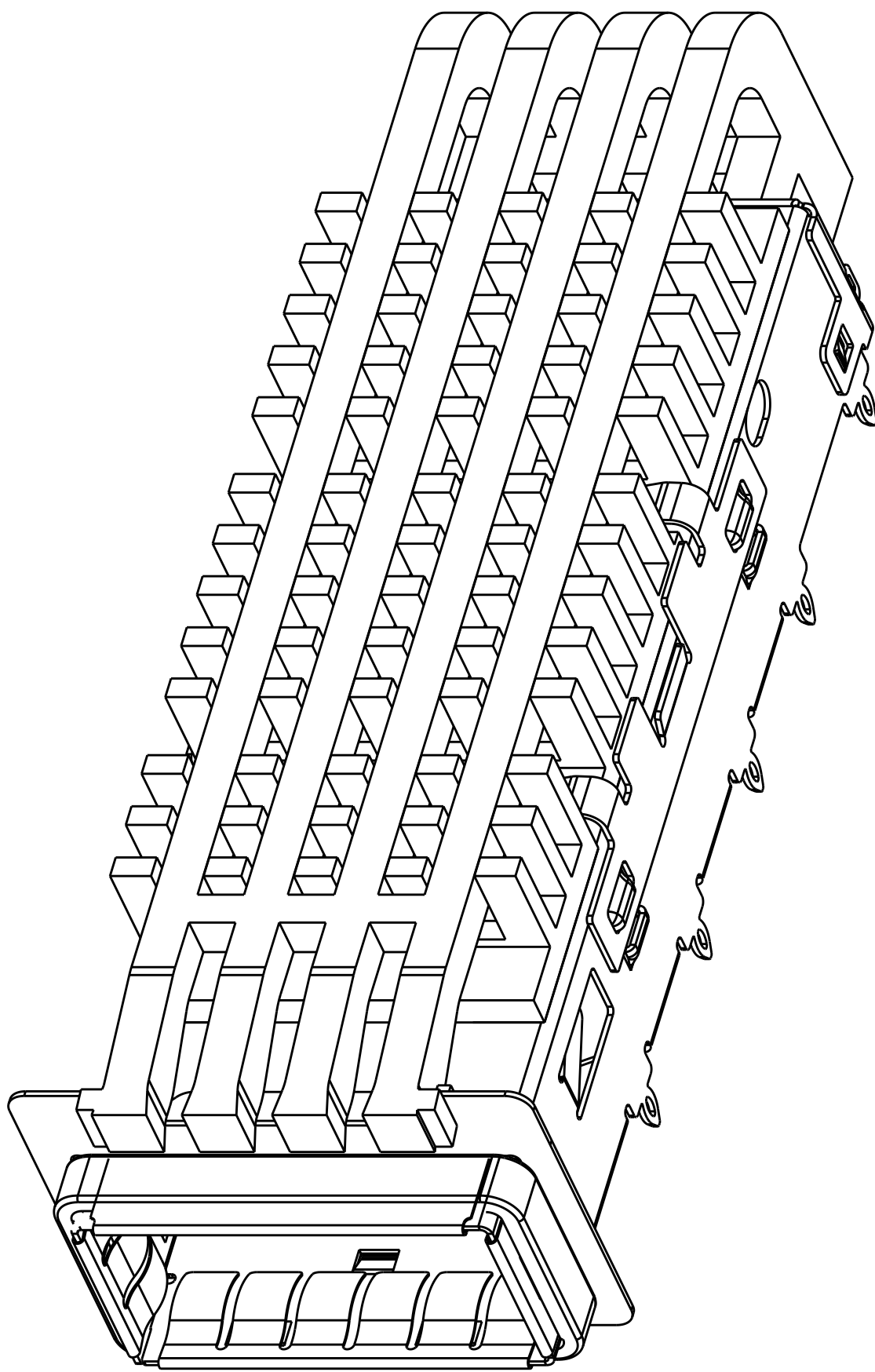
SCALE 4:1
2170539-2 AS SHOWN



SCALE 4:1
2170539-3 AS SHOWN



SCALE 4:1
2170539-4 AS SHOWN



SCALE 4:1
2170539-5 AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 14MAY2013	 TE Connectivity				
		CHK JASON YANG 14MAY2013					
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CAGE ASSEMBLY, OSFP+, W/ HEAT SINK,EMI GASKET AND LIGHT PIPE	RESTRICTED TO -			
	0 PLC ±.5 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.5 FINISH						
	MATERIAL -		SIZE A100779		CAGE CODE C=2170539		
	-						
	Customer Drawing		SCALE 4:1		SHEET 5	OF 6	REV A

