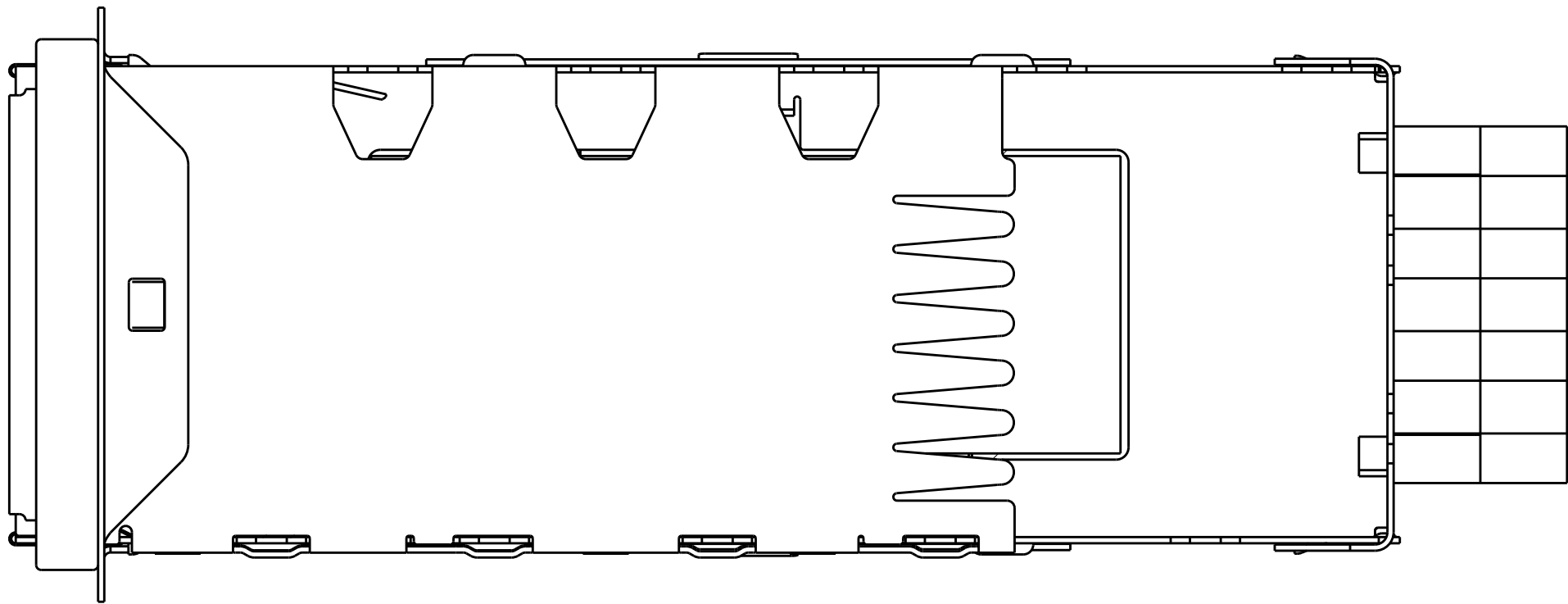
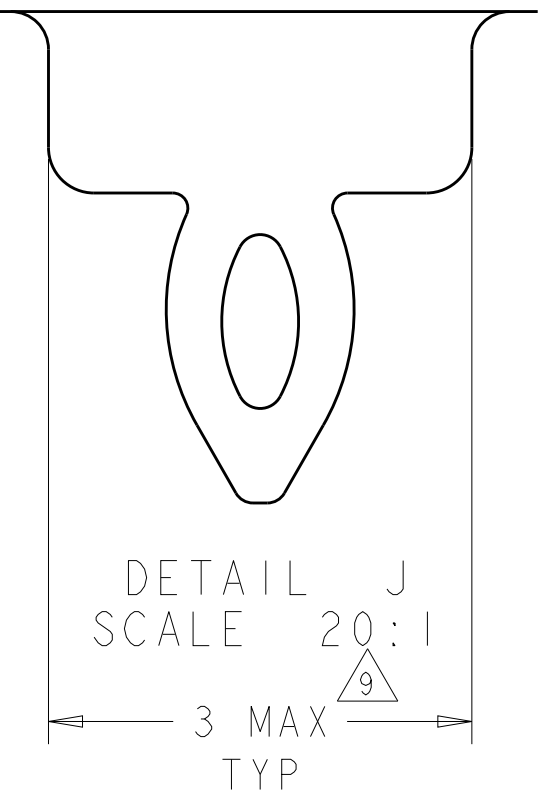
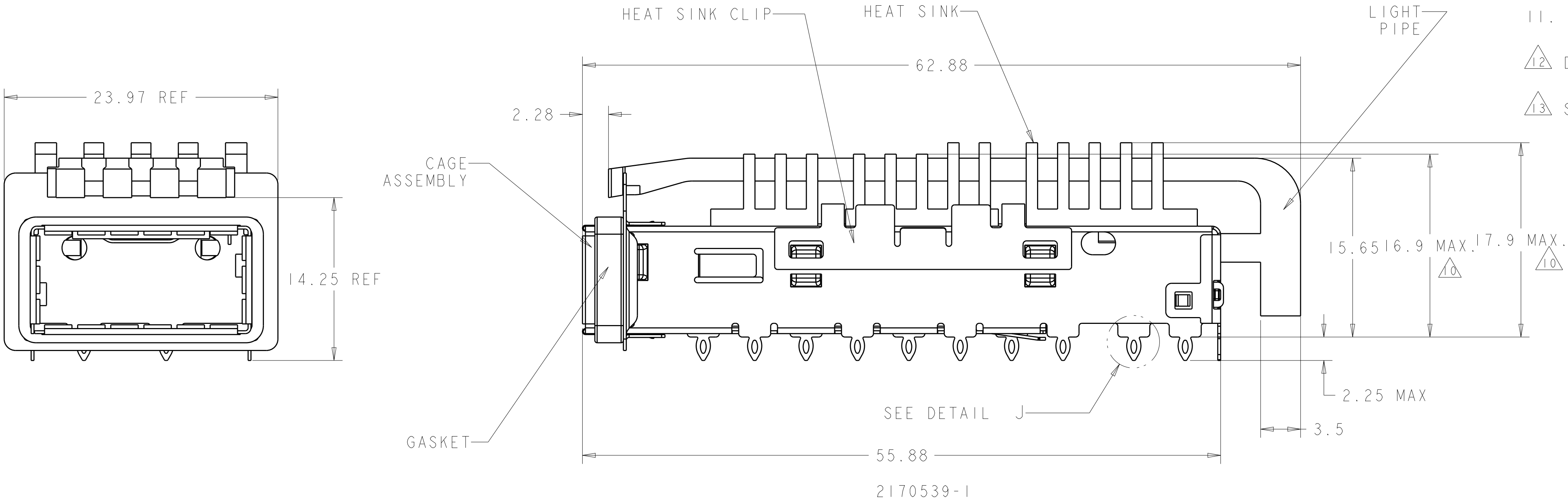
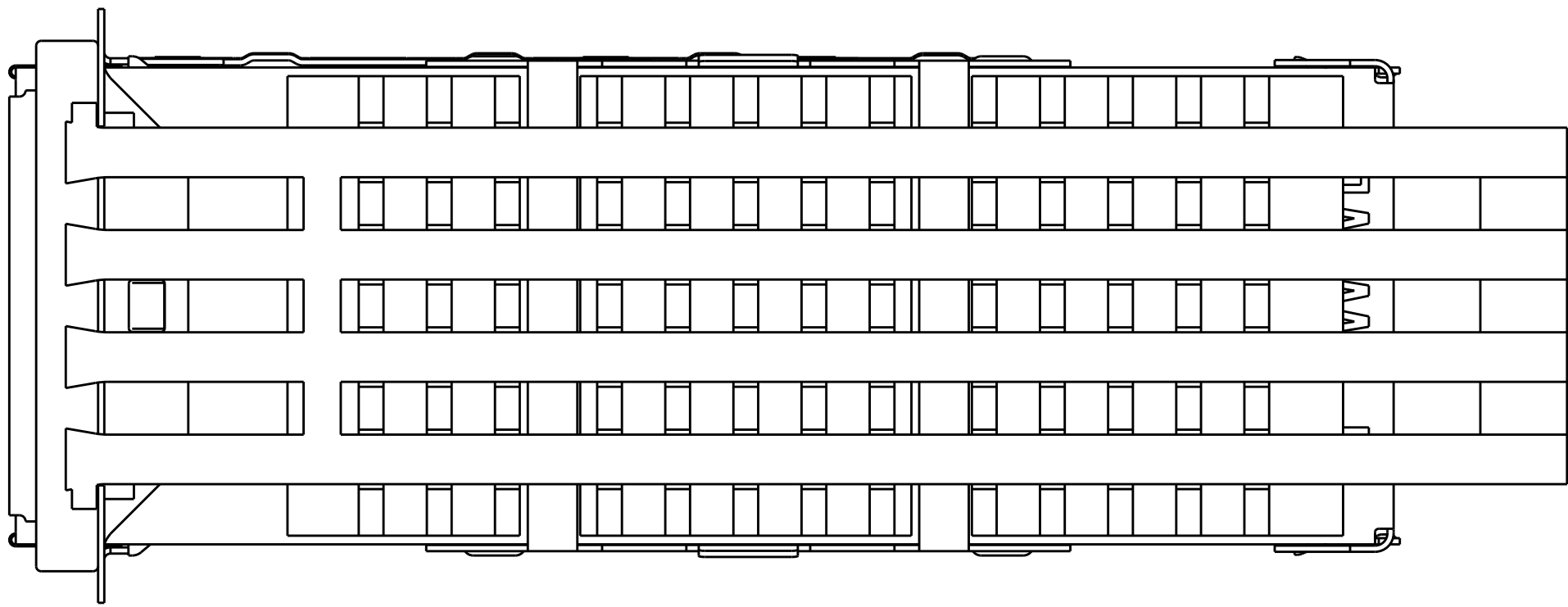
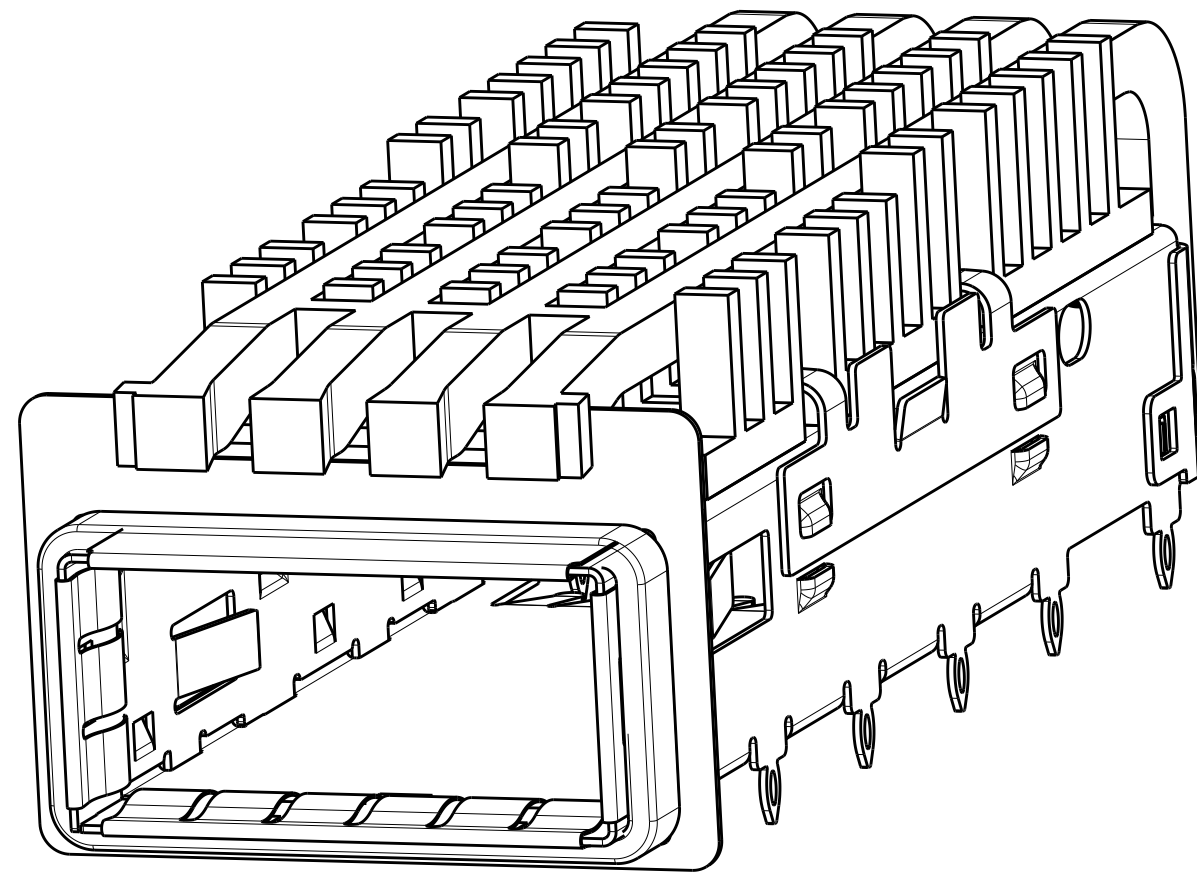
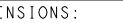


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		4	PRELIMINARY	04MAY2014	HW	MC
			5	ADD 2170539-5	04MAY2014	HW	MC
			A	ADD SHEET 6 2170539-6	17SEP2015	RG	SH

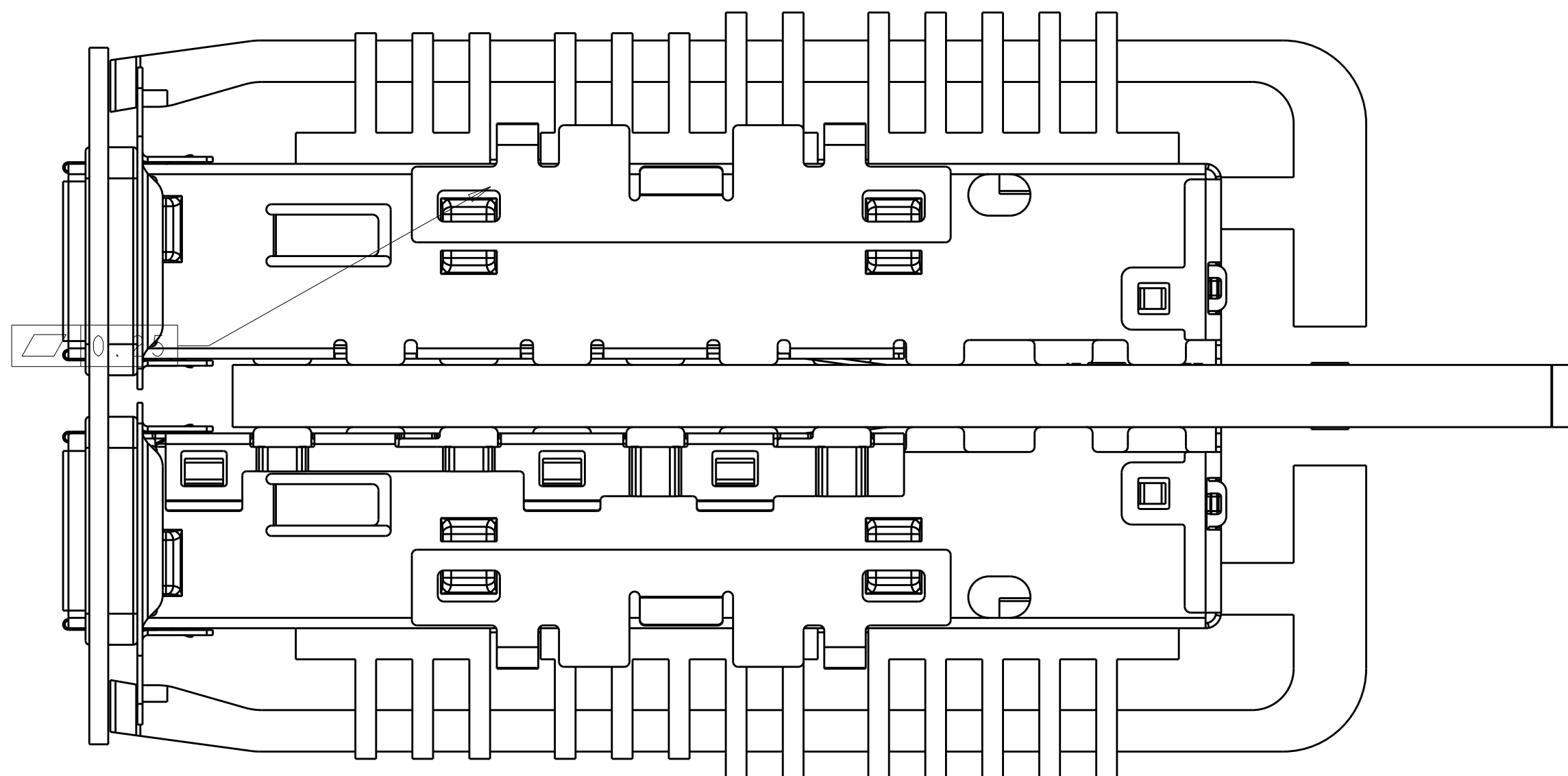
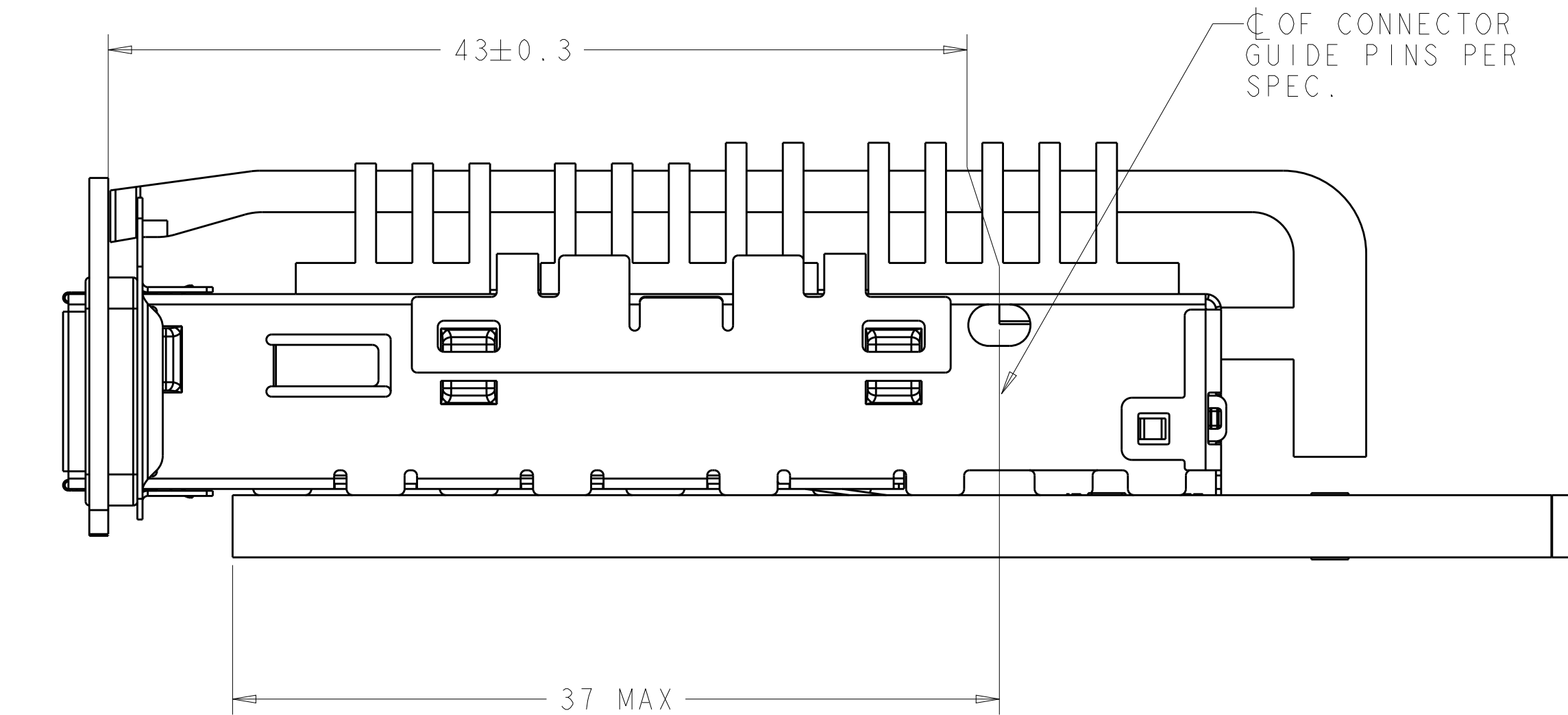
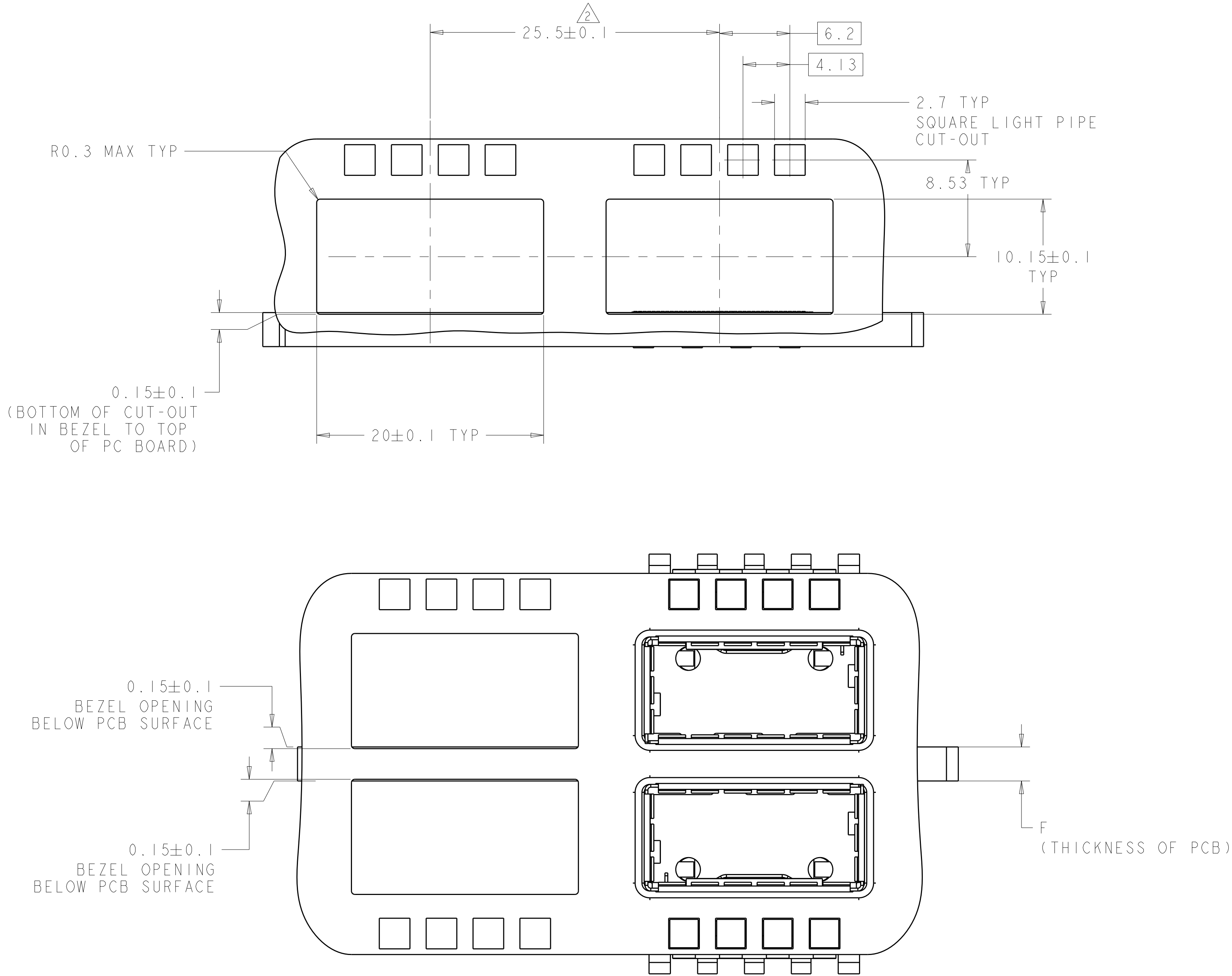


1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-O RATED.
EMI SPRING MATERIAL: COPPER ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. REFERENCE APPLICATION 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 NRML 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 14MAY2013	 TE Connectivity			
		CHK JASON YANG 14MAY2013				
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 14MAY2013	NAME		
		1 P/LC ±.010 1 P/LC ±0.5 2 P/LC ±0.13 2 P/LC ±0.13 4 P/LC ±0.0001 ANGLES ±.010	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217			
MATERIAL 	FINISH -		SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO
			A1	00779	C=2170539	-
CUSTOMER DRAWING			SCALE	4:1	SHEET	1 OF 6 REV A

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

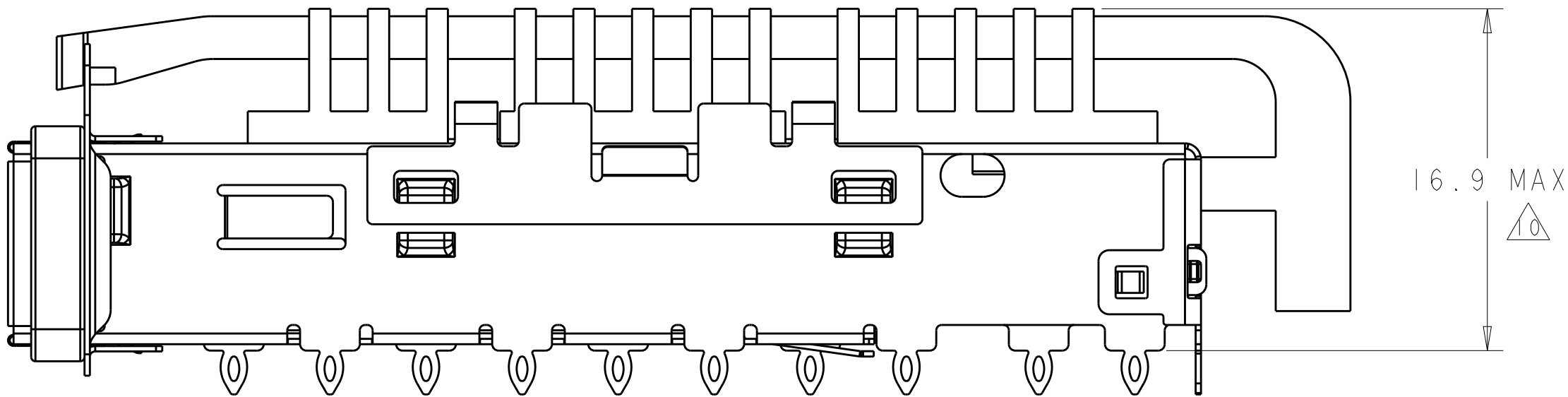


SCALE 4:1

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

4805 (3/11)

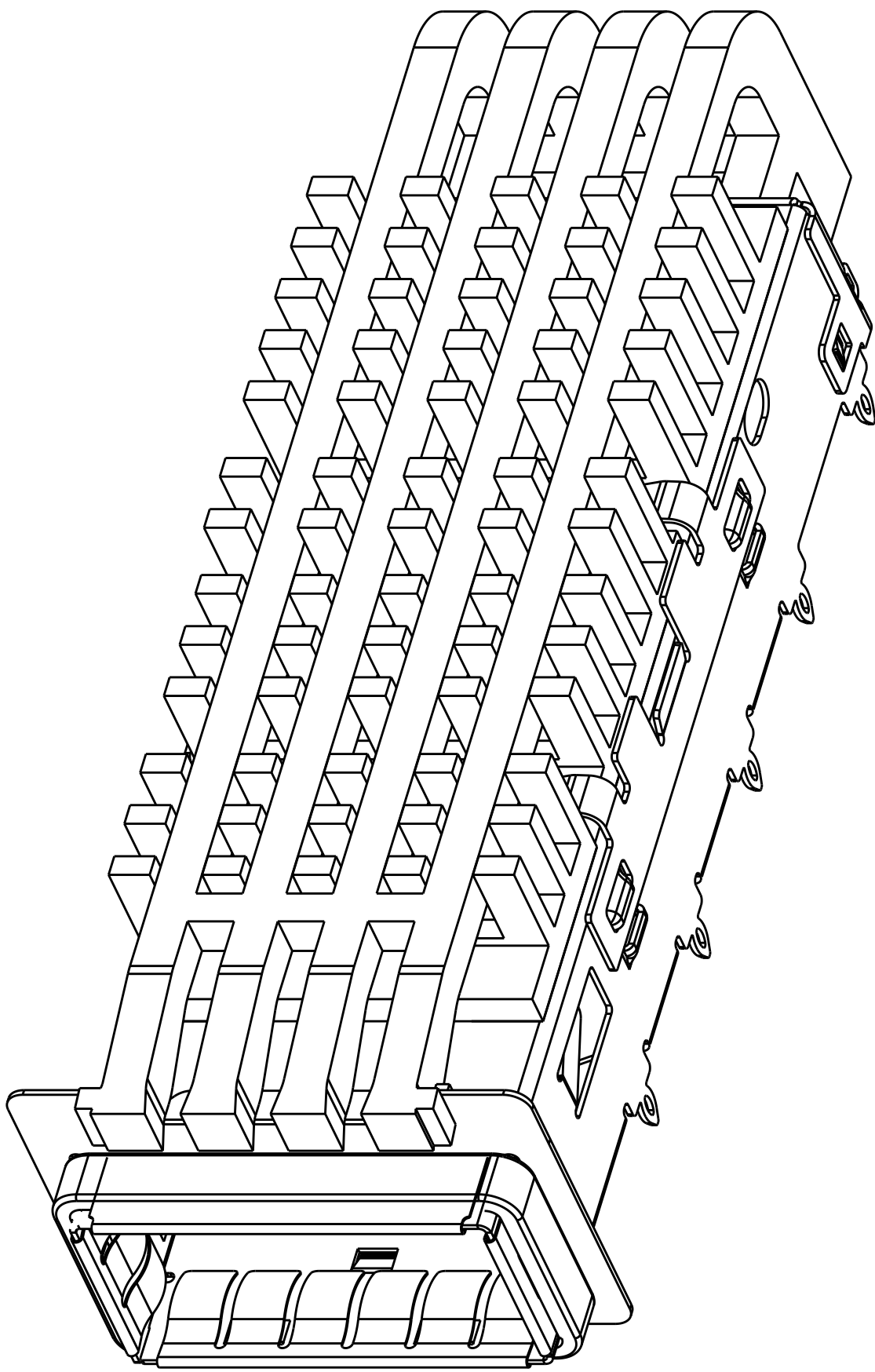
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



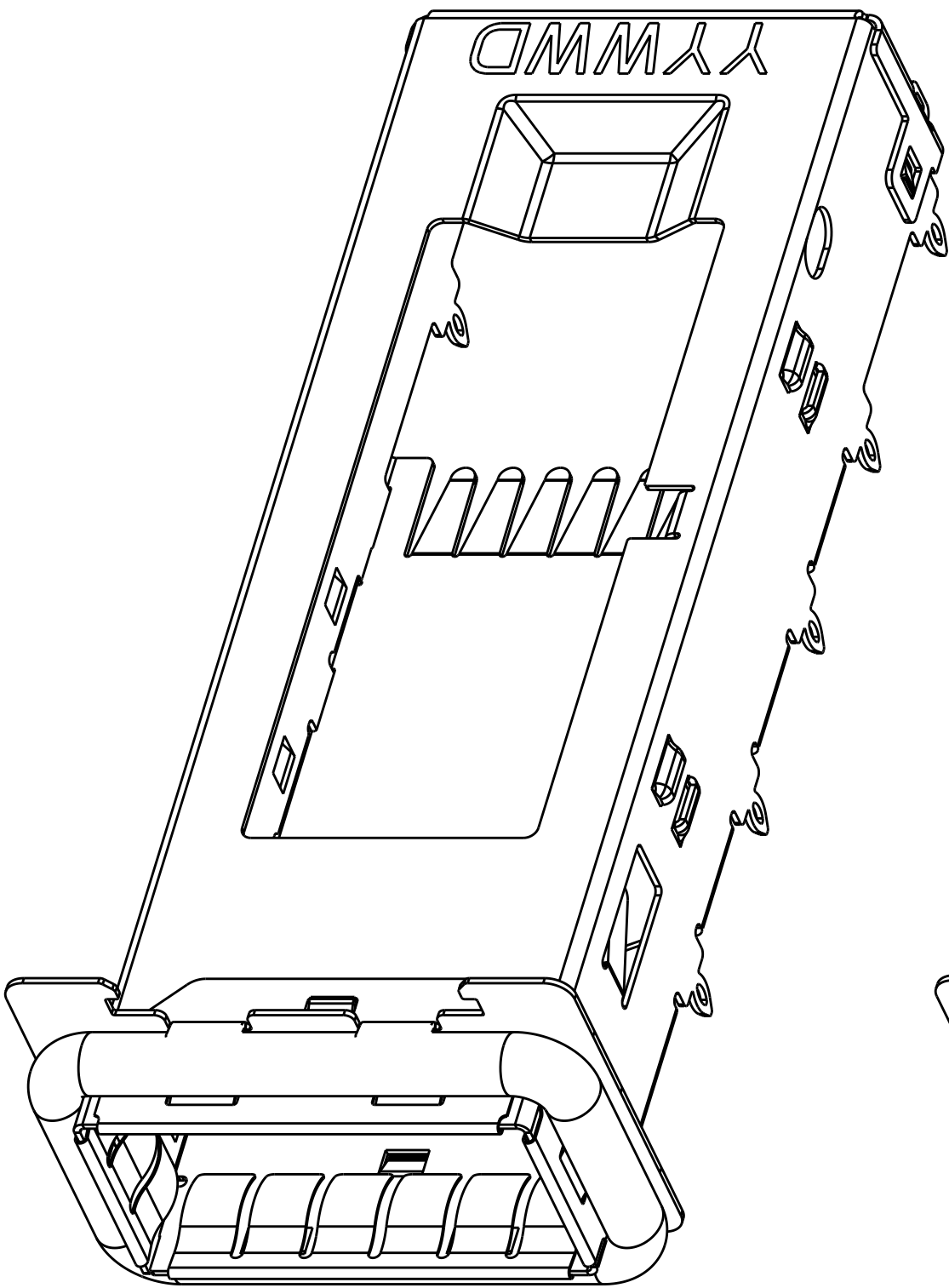
SCALE 4:1
2170539-5
EXCEPT INDICATED DIMENSION
OTHER DIMENSIONS ARE SAME AS 2170539-1

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 APPLICATION SPEC 114-13217				

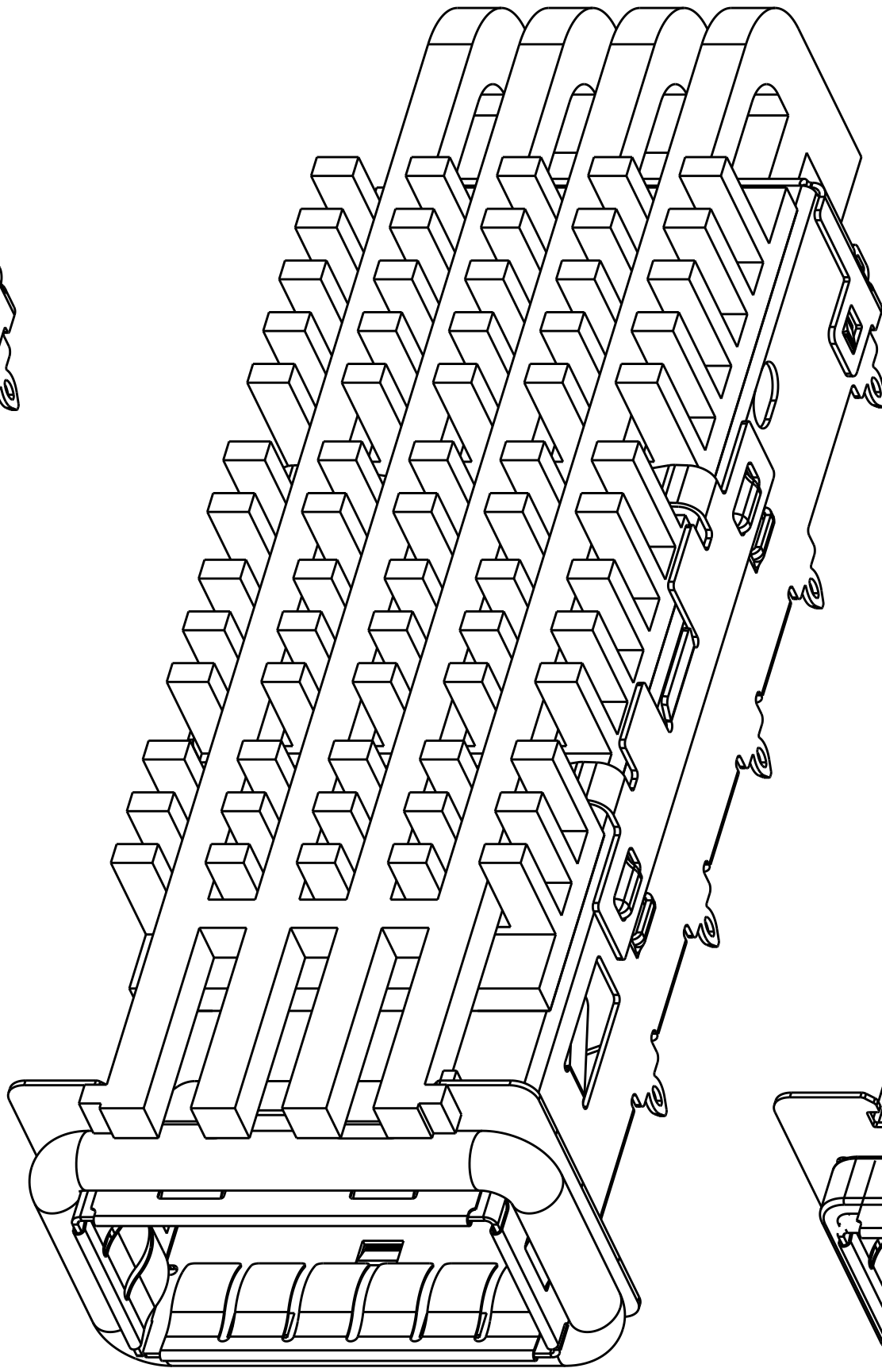
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1		-	-



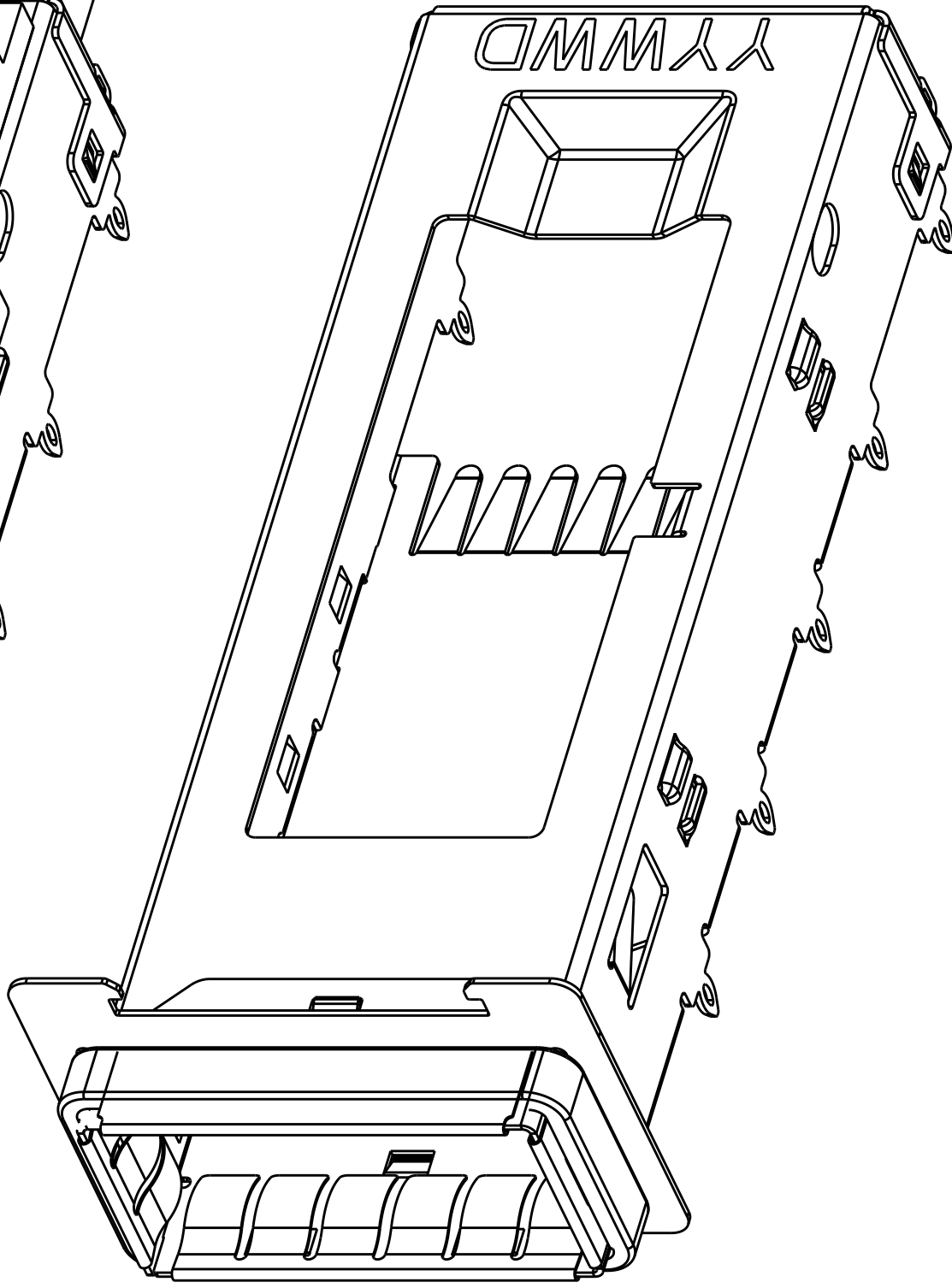
SCALE 4:1
2170539-1 AS SHOWN



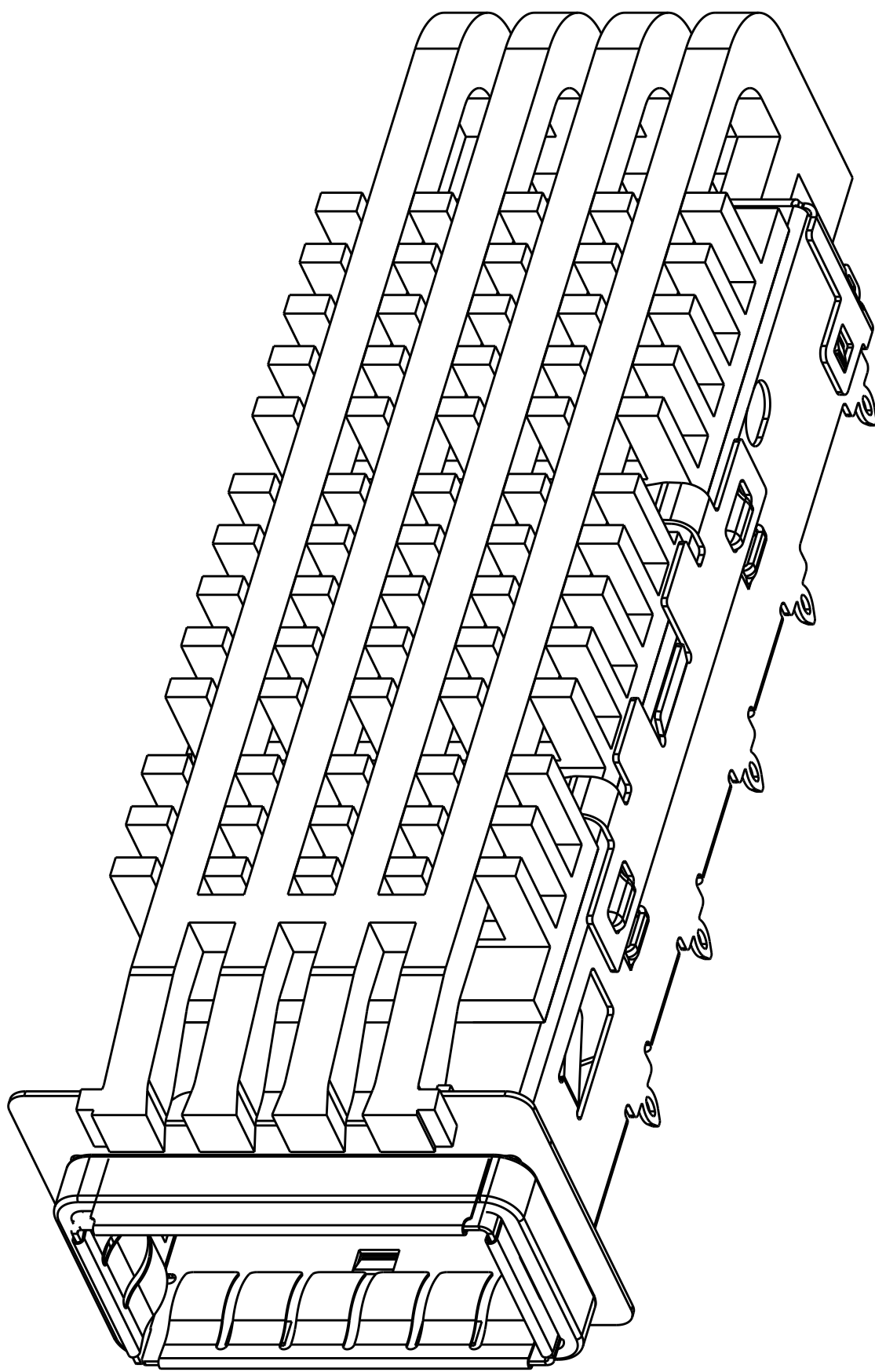
SCALE 4:1
2170539-2 AS SHOWN



SCALE 4:1
2170539-3 AS SHOWN

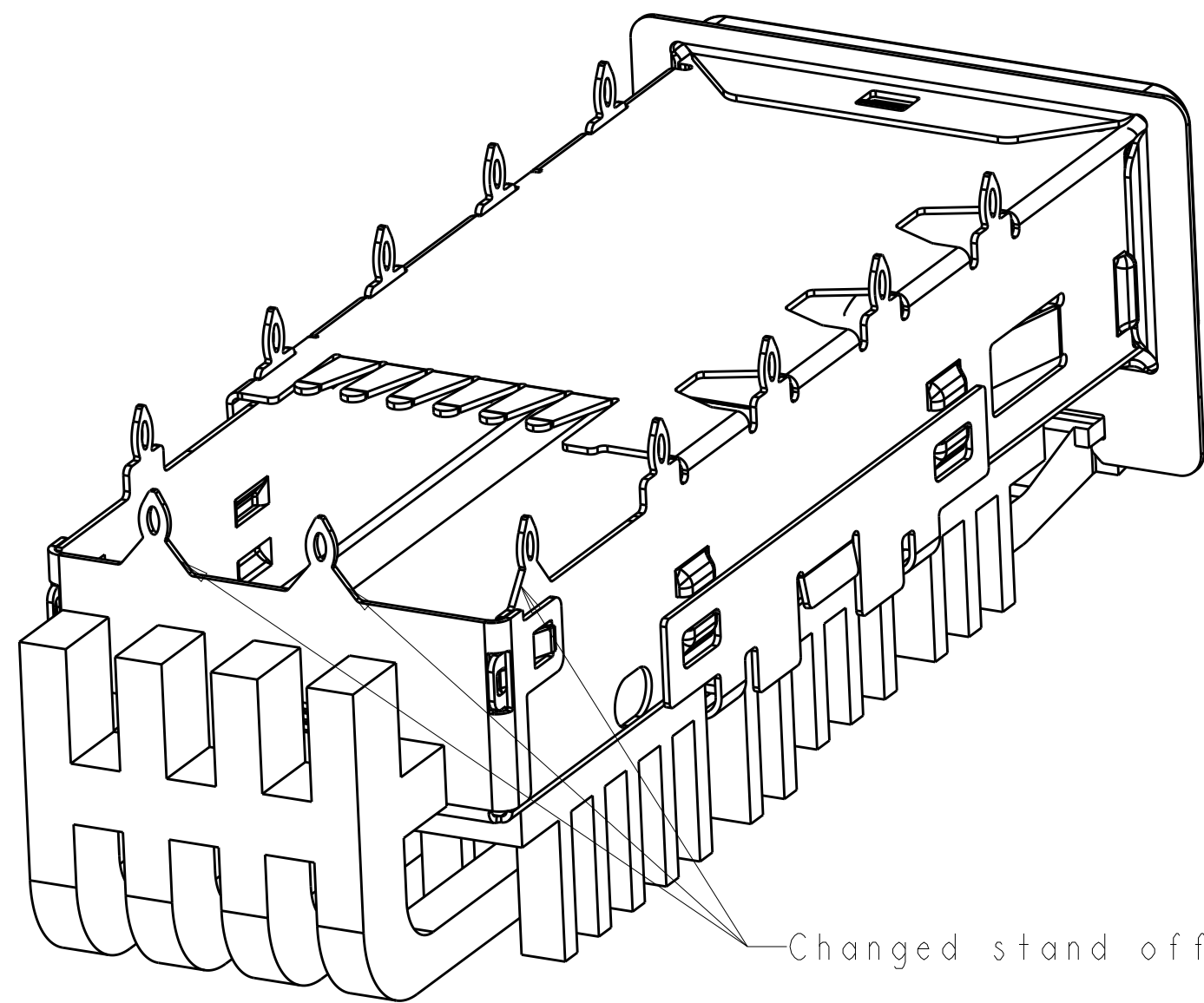
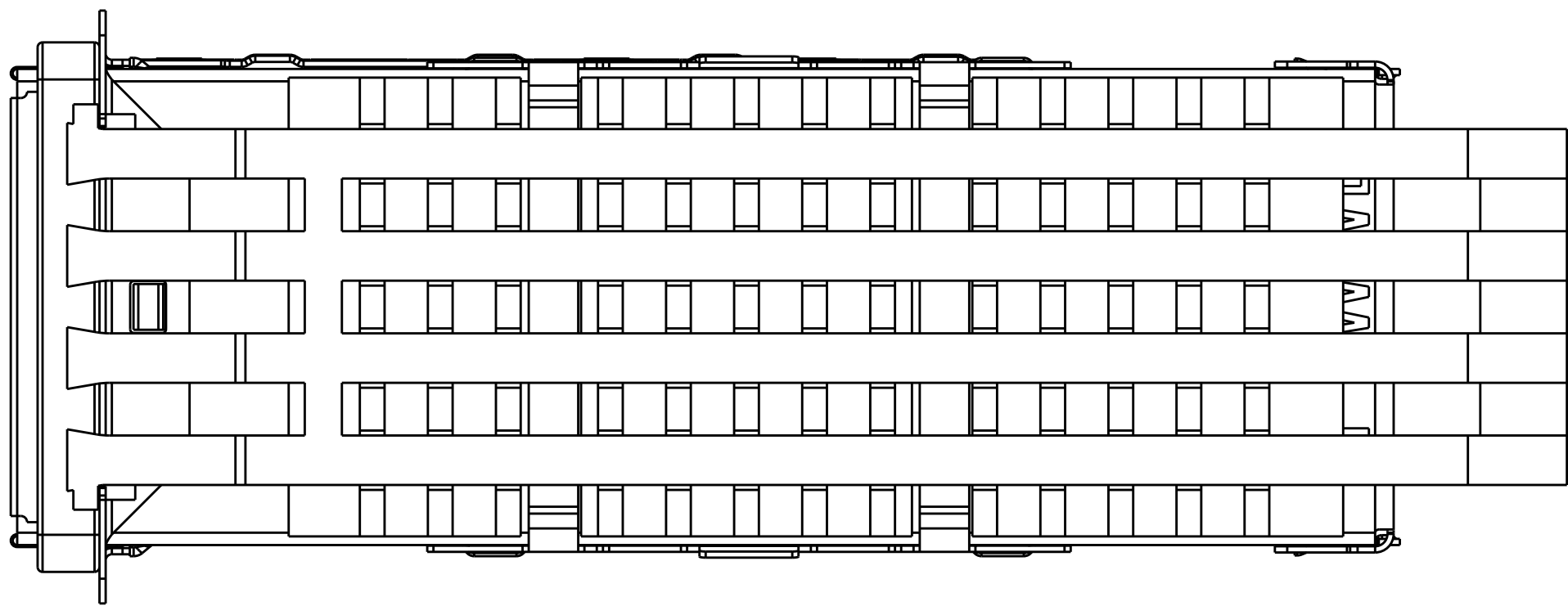


SCALE 4:1
2170539-4 AS SHOWN



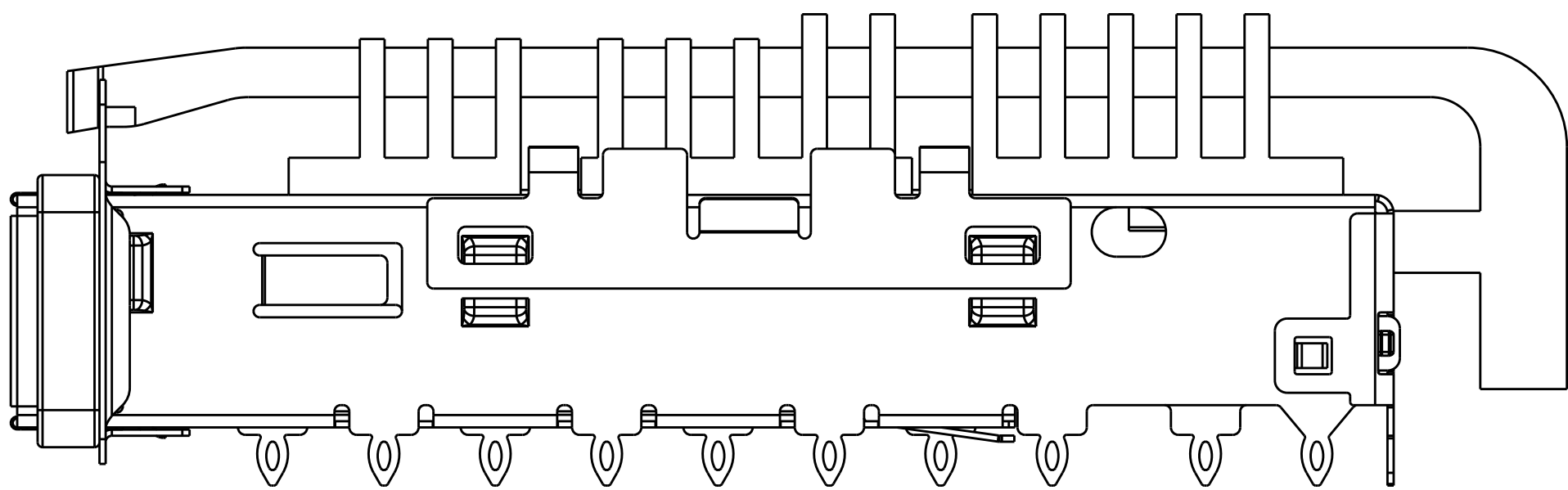
SCALE 4:1
2170539-5 AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 14MAY2013	 TE Connectivity	
		CHK JASON YANG 14MAY2013		
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
	0 PLC ±.5 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.5 FINISH		CAGE ASSEMBLY, OSFP+, W/ HEAT SINK,EMI GASKET AND LIGHT PIPE	
	MATERIAL		PRODUCT SPEC	
	-		108-2286	
	-		APPLICATION SPEC	
			114-13217	
			WEIGHT	
			-	
			Customer Drawing	
			SCALE 4:1	
			SHEET 5 OF 6	
		REV A		
		SIZE CAGE CODE DRAWING NO RESTRICTED TO		
		A100779C=2170539-		

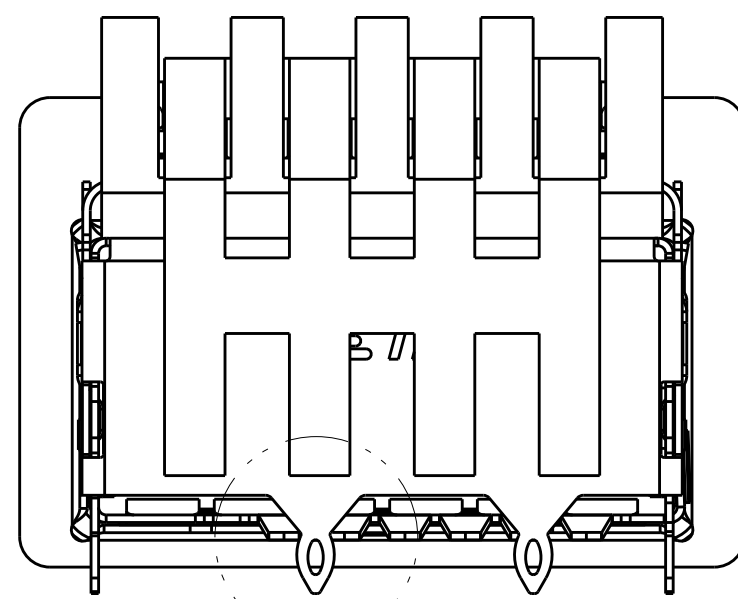


Changed stand off shape on 3 EON

SCALE 4:1

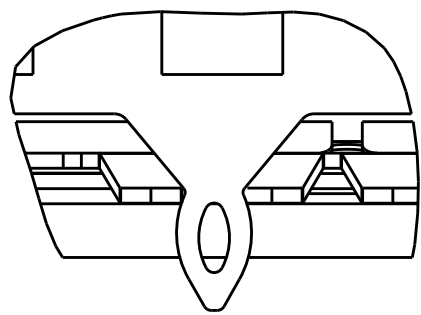


SCALE 4:1



SEE DETAIL A

2170539-6 ARE AS SHOWN, UN-SPECIFIED DIMENSIONS
ALL REFER 2170539-1



DETAIL A
SCALE 8:1

SAN HEAT SINK WITH TWO PIN HEIGHT, HEAT SINK CLIP HORN SHAPE LP & SOLID GASKET,CHANGED 3 STAND OFF SHAPE	2170539-6
DESCRIPTION	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 14MAY2013	TE Connectivity	
DIMENSIONS:		CHK JASON YANG 14MAY2013		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 14MAY2013	NAME CAGE ASSEMBLY, QSPF+, W/ HEAT SINK,EMI GASKET AND LIGHT PIPE	
	0 PLC ±.5	PRODUCT SPEC	SIZE A100779C=2170539	
	1 PLC ±0.5	108-2286		
	2 PLC ±0.13	APPLICATION SPEC	RESTRICTED TO -	
	3 PLC ±0.013	114-13217		
	4 PLC ±0.0001	WEIGHT	SCALE 4:1 SHEET 6 OF 6 REV A	
	ANGLES ±.5	-		
MATERIAL	FINISH	Customer Drawing		
-	-			
-	-			