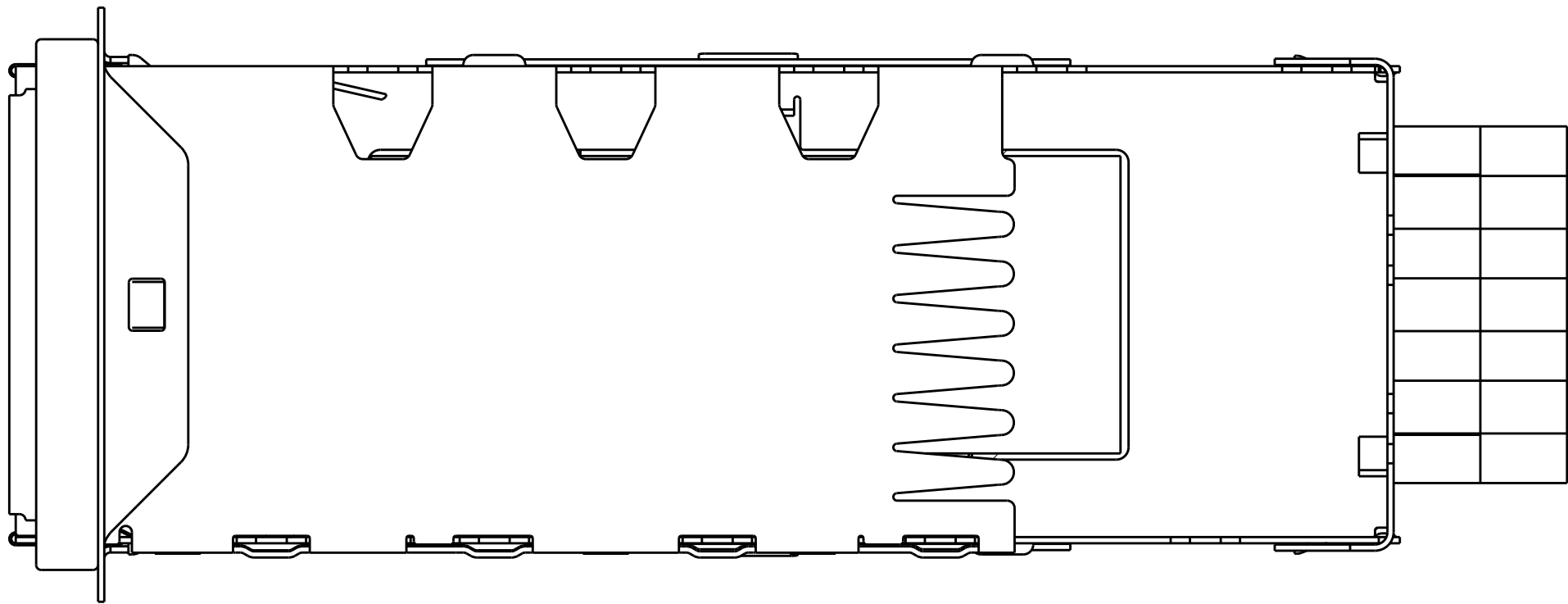
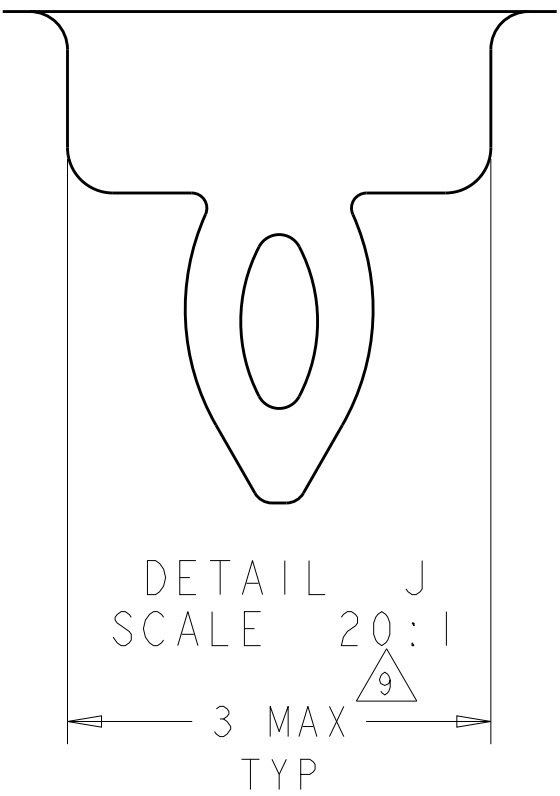
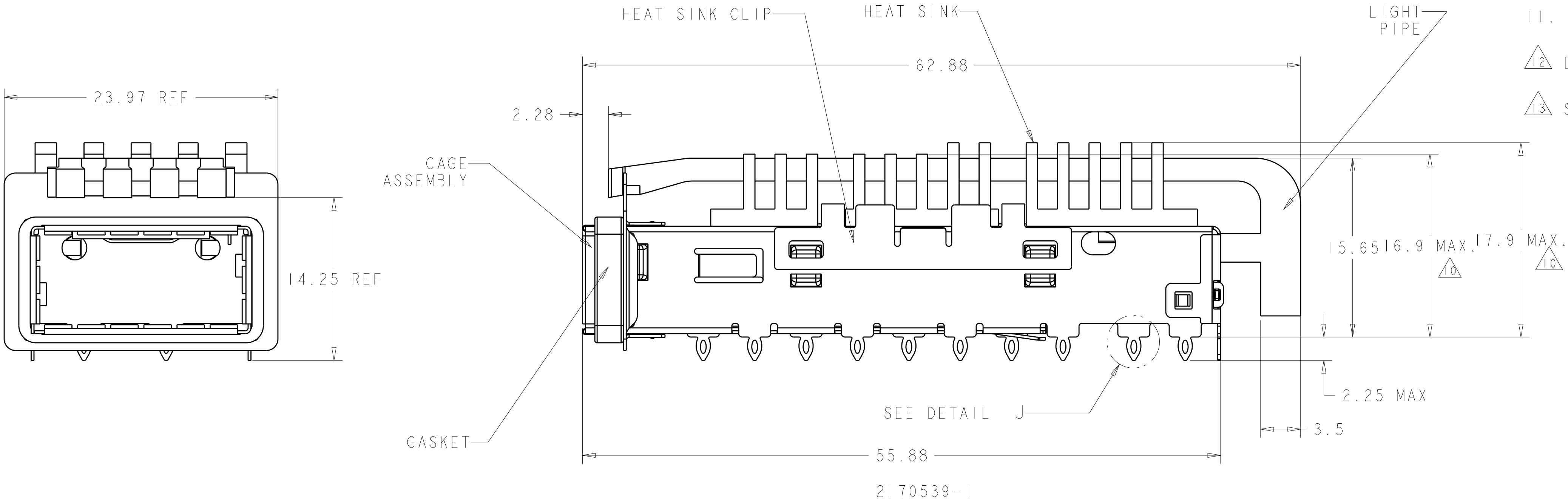
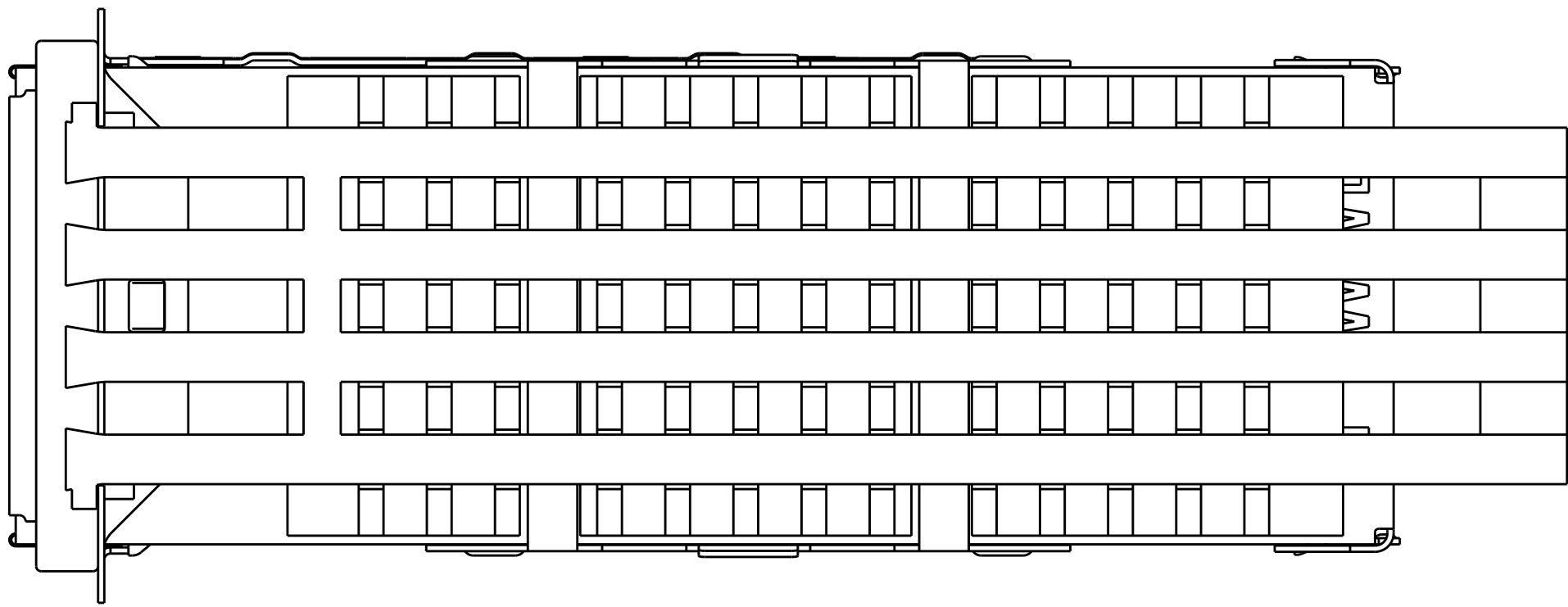
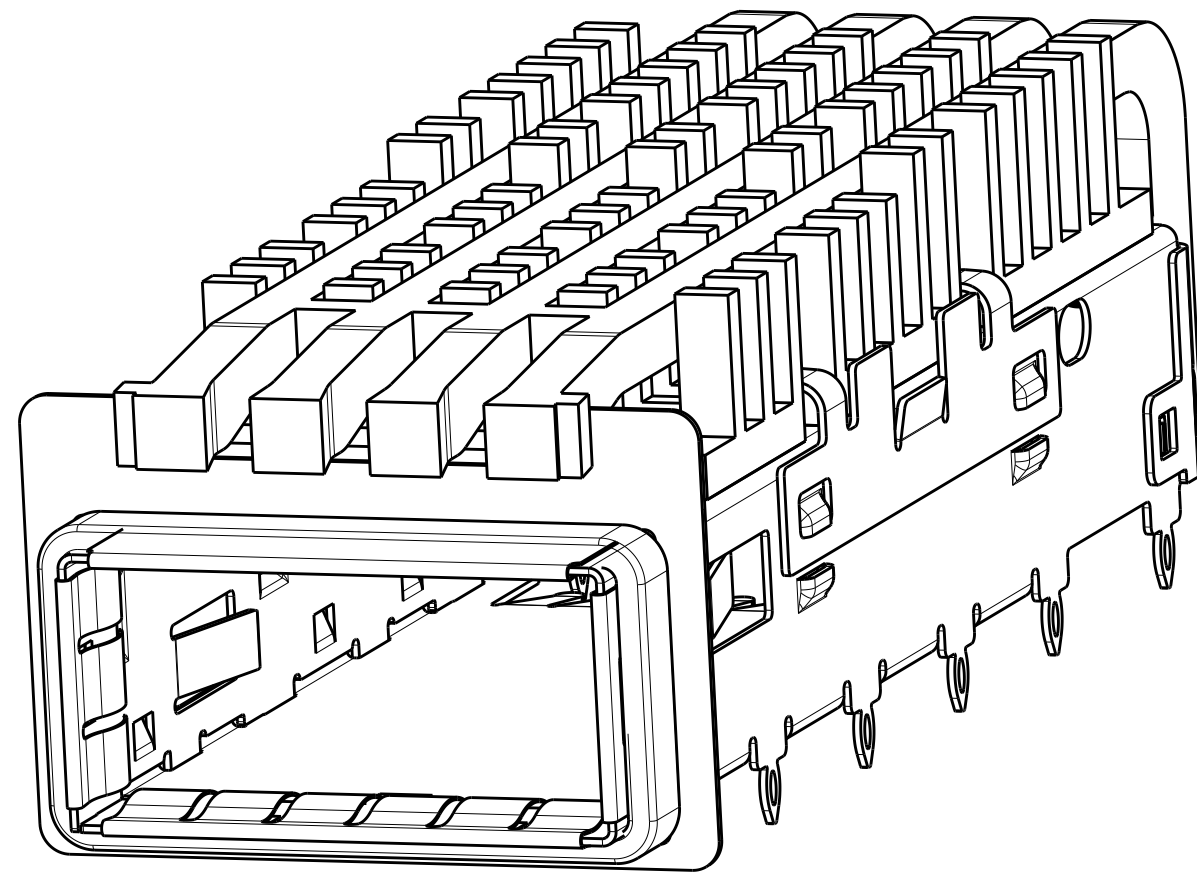


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		4	PRELIMINARY	04MAY2014	HW	MC
			5	ADD 2170539-5	04MAY2014	HW	MC
			A	ADD SHEET 6 2170539-6	17SEP2015	RG	SH

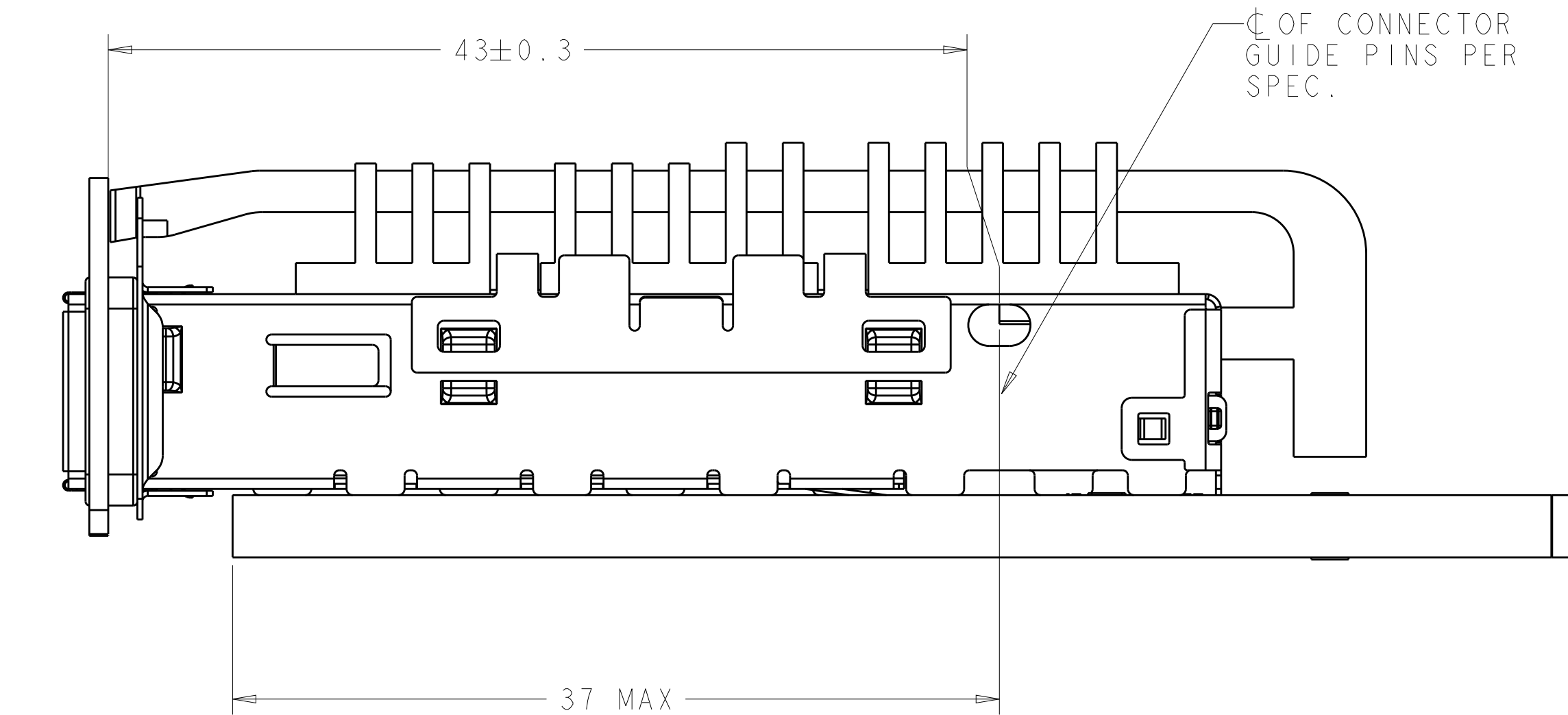
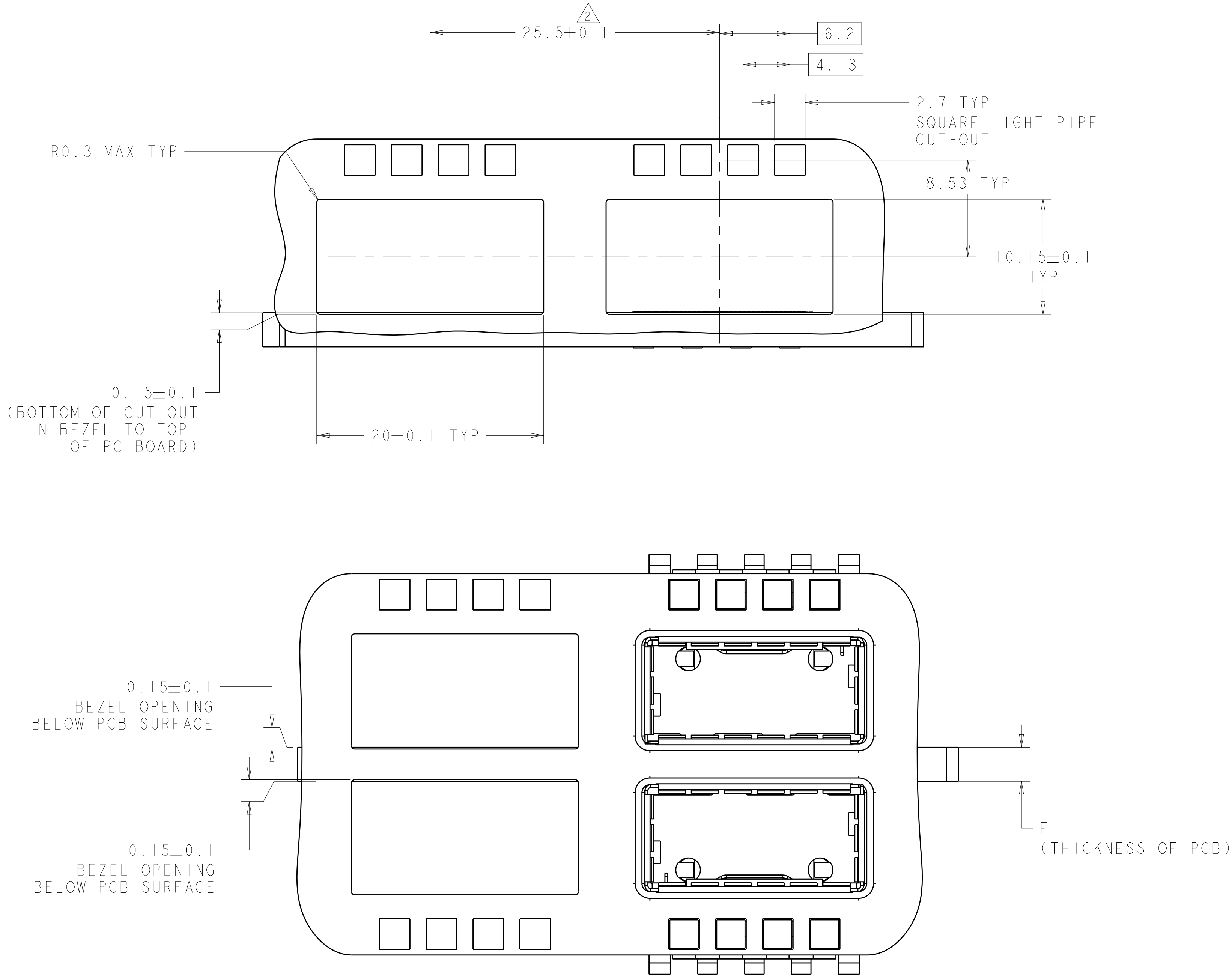


1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-O RATED.
EMI SPRING MATERIAL: COPPER ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. REFERENCE APPLICATION 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 14MAY2013	 TE Connectivity	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK JASON YANG 14MAY2013		
DIMENSIONS: mm		APVD ALEX CAI 14MAY2013	NAME	
		PRODUCT SPEC	CAGE ASSEMBLY, QSFP+, W/ HEAT SINK, EMI GASKET AND LIGHT PIPE	
	0 PLC ±0.5 1 PLC ±0.13 2 PLC ±0.013 3 PLC ±0.0001 ANGLES ±0.0001	APPLICATION SPEC	SIZE	
		114-13217	DRAWING NO	
MATERIAL		FINISH	RESTRICTED TO	
			A100779C=2170539	
CUSTOMER DRAWING		WEIGHT		
		SCALE	4:1	
		SHEET	1 OF 6	
		REV	A	

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

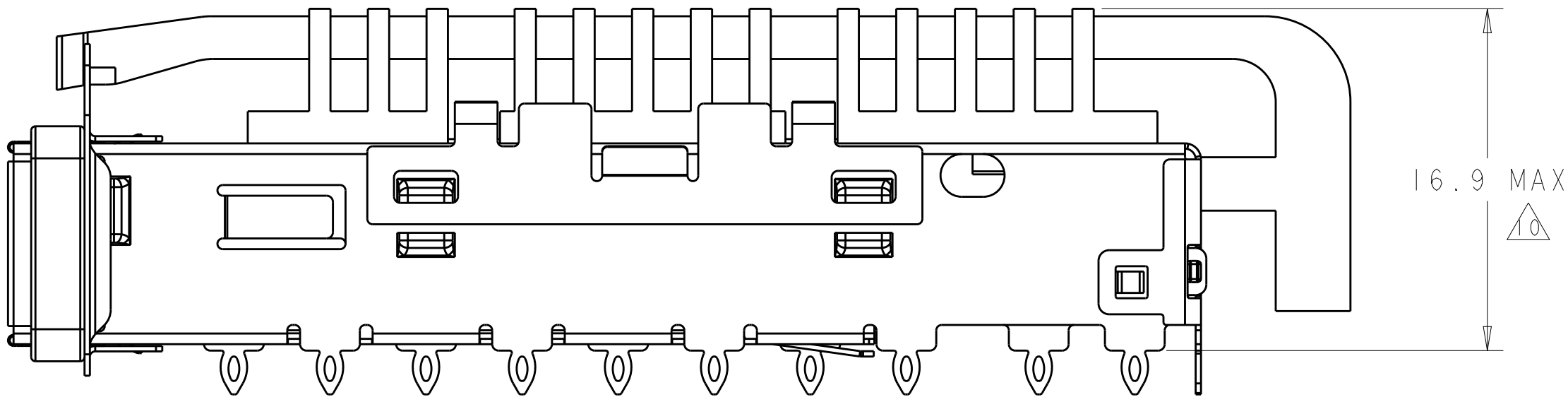


SCALE 4:1

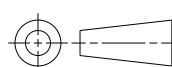
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TIM XUE	14MAY2013	TE Connectivity		
		CHK	JASON YANG	14MAY2013			
		APVD	ALEX CAI	14MAY2013	NAME		
		PRODUCT SPEC			CAGE ASSEMBLY, OSFP+, W/ HEAT SINK, EMI GASKET AND LIGHT PIPE		
		APPLICATION SPEC			SIZE		
		114-13217			A100779C=2170539		
		WEIGHT			RESTRICTED TO		
		Customer Drawing			-		
					SCALE 4:1 SHEET 2 OF 6 REV A		

4805 (3/11)

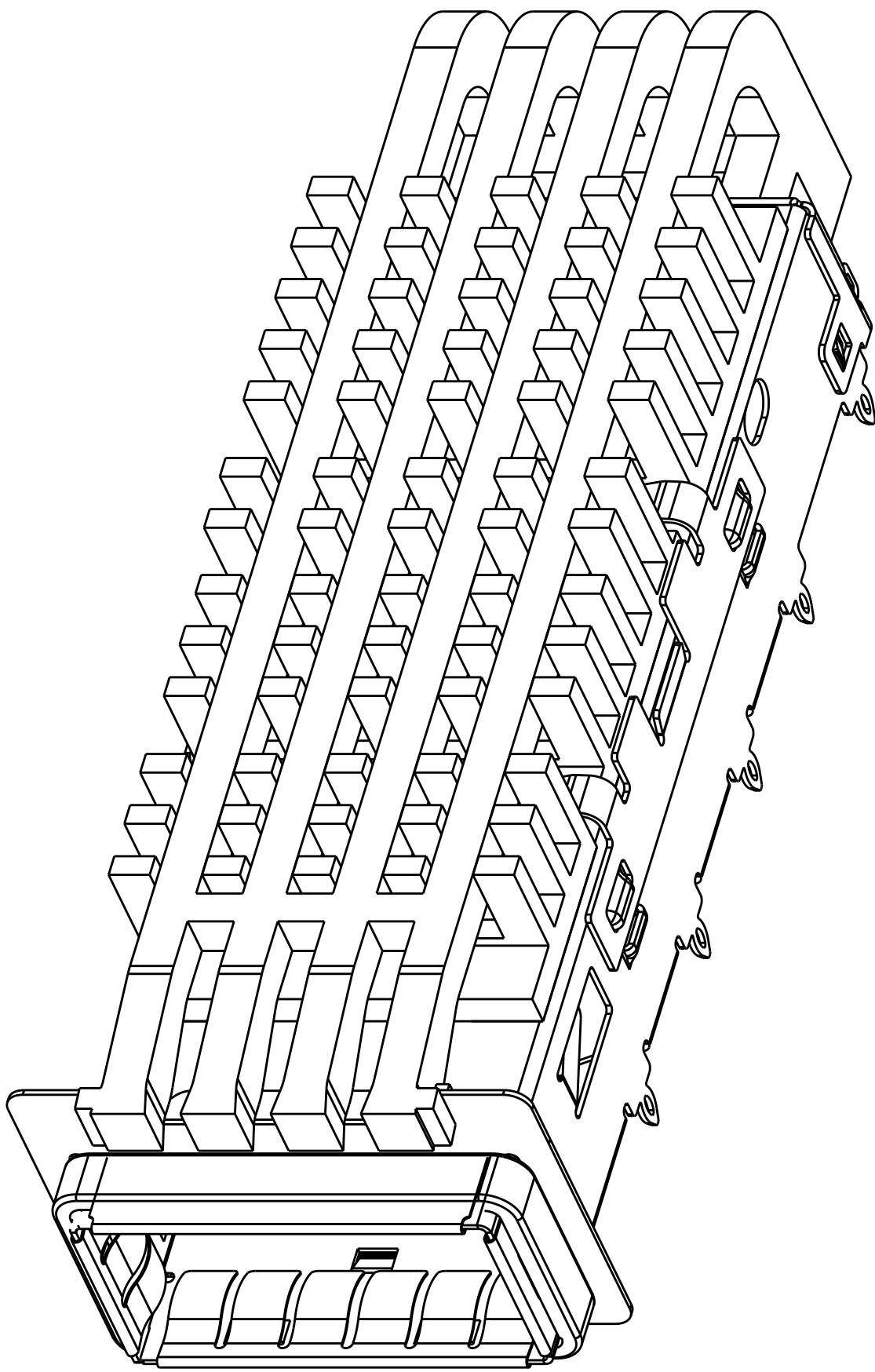
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



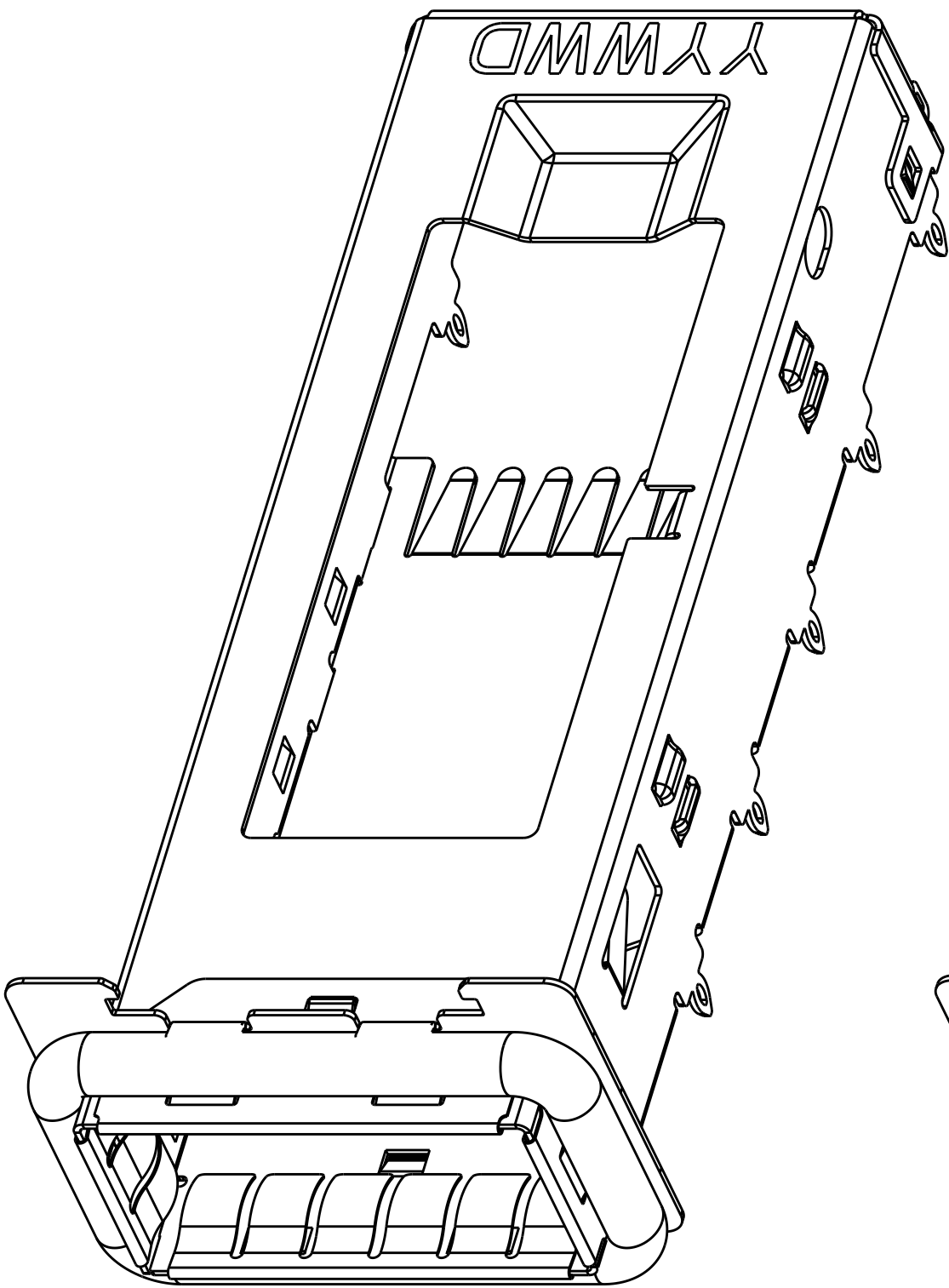
SCALE 4:1
2170539-5
EXCEPT INDICATED DIMENSION
OTHER DIMENSIONS ARE SAME AS 2170539-1

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						
		Customer Drawing						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT					RESTRICTED TO	
0 PLC ±.5		-						
1 PLC ±0.13							SCALE 4:1	
2 PLC ±0.13								
3 PLC ±0.013							SHEET 4 OF 6	
4 PLC ±0.0001								
ANGLES							REV A	
FINISH								

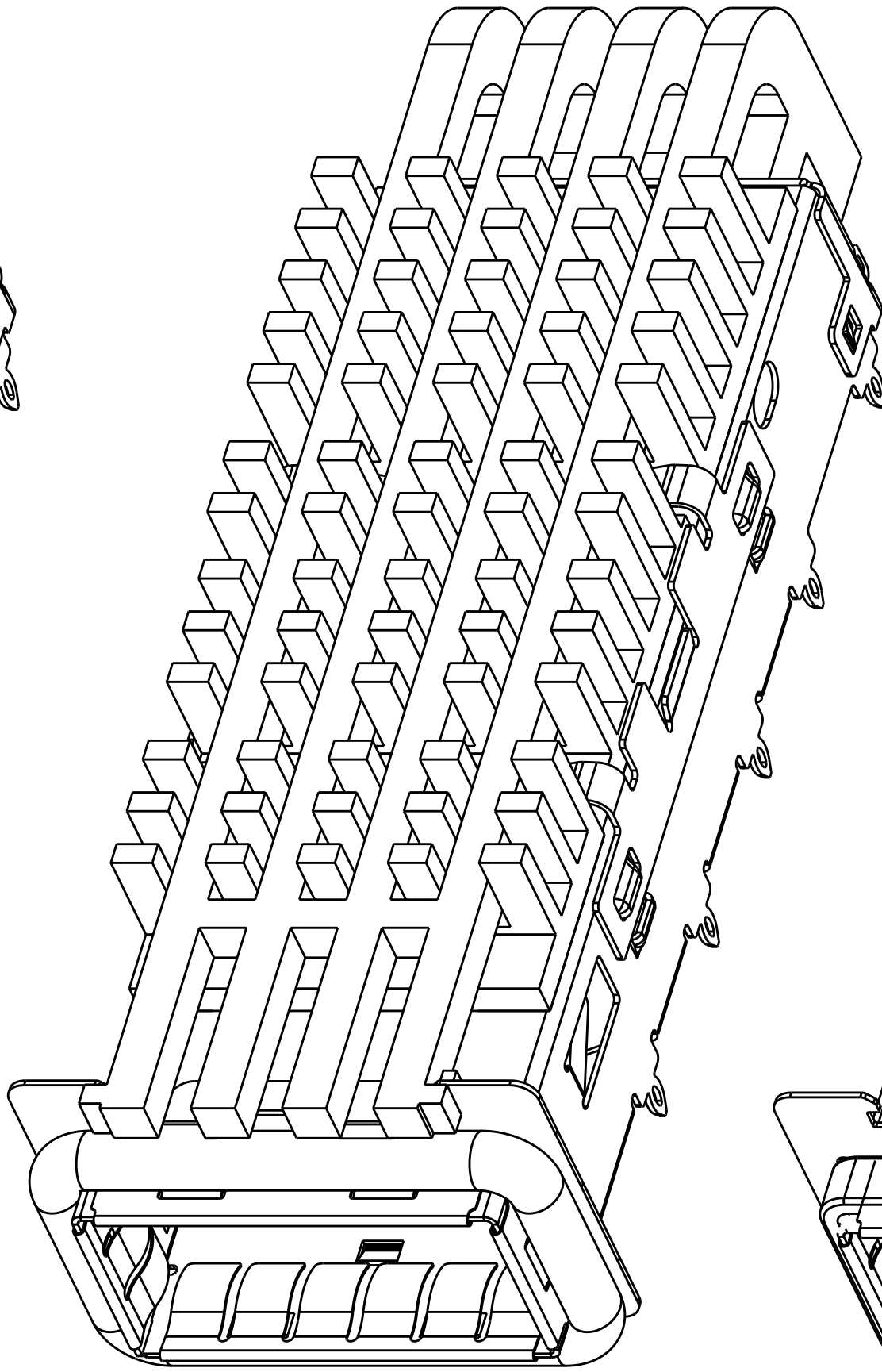
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1		-	-



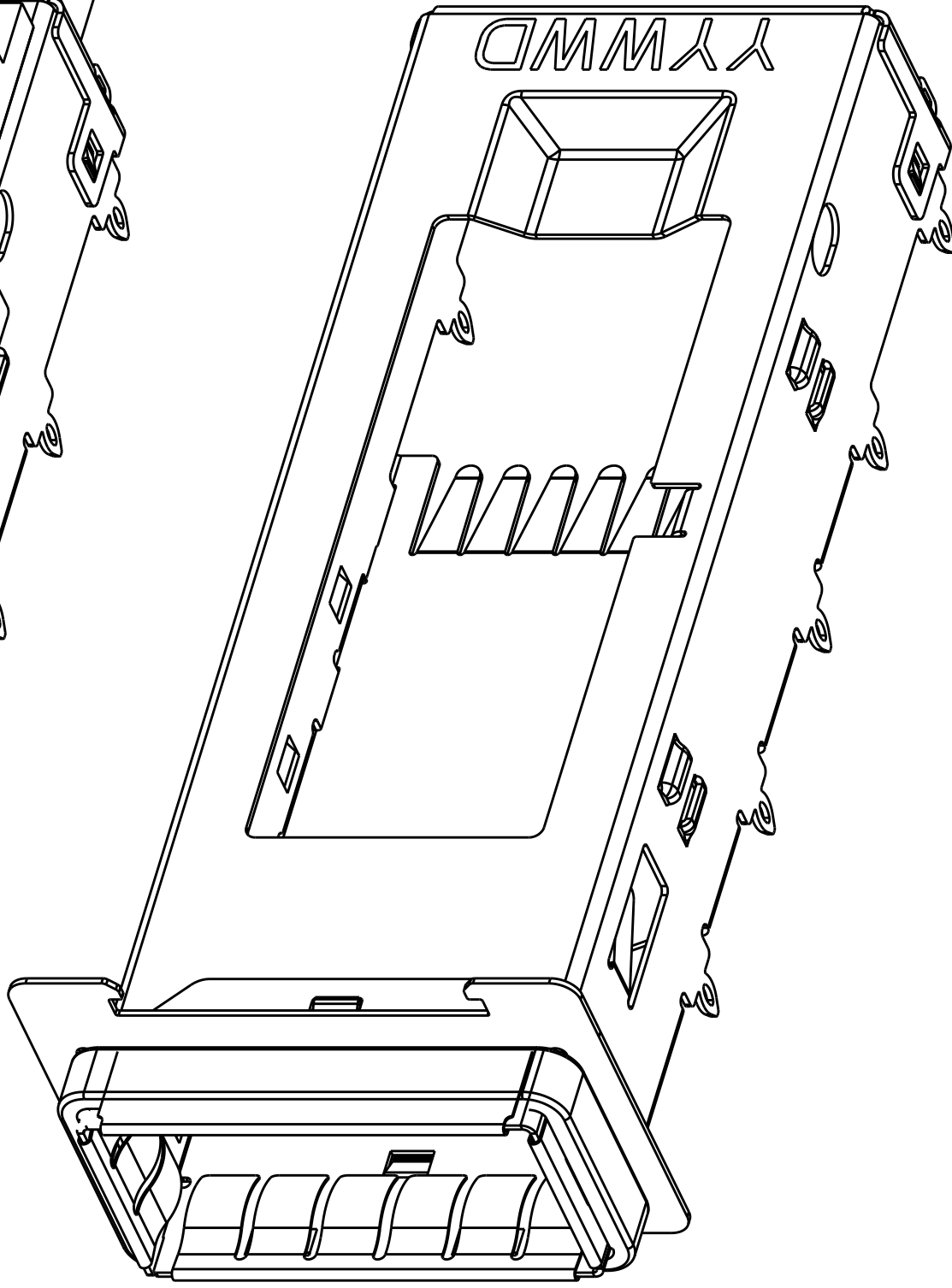
SCALE 4:1
2170539-1 AS SHOWN



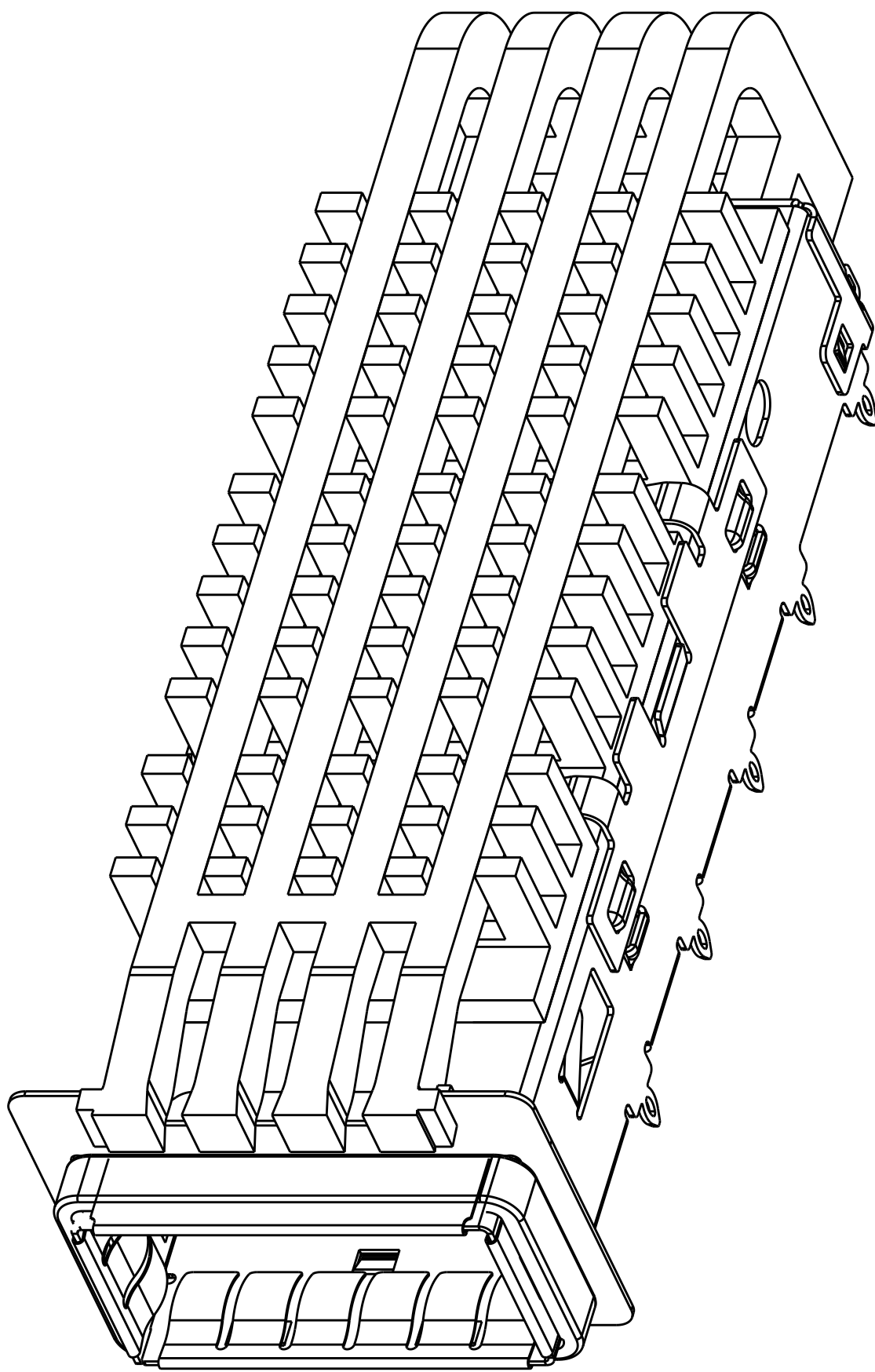
SCALE 4:1
2170539-2 AS SHOWN



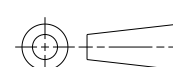
SCALE 4:1
2170539-3 AS SHOWN

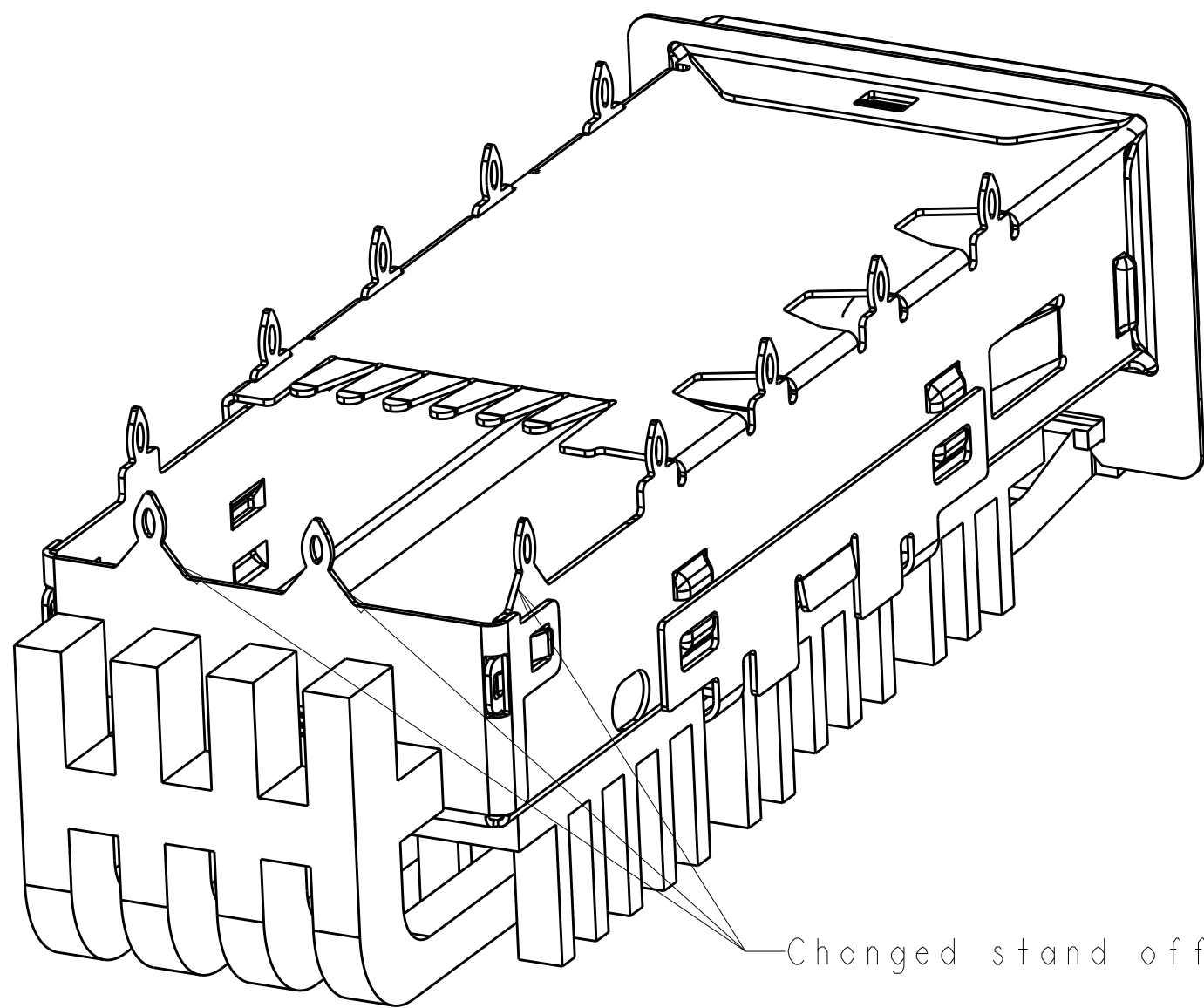
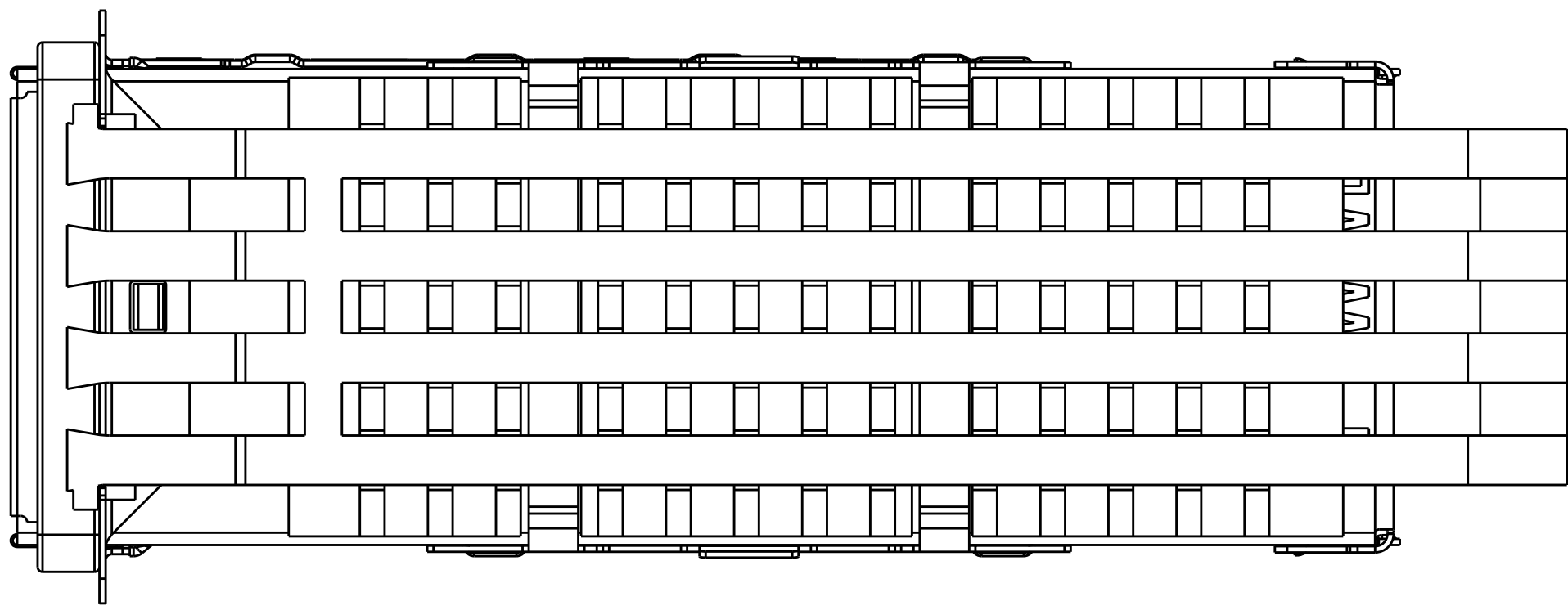


SCALE 4:1
2170539-4 AS SHOWN



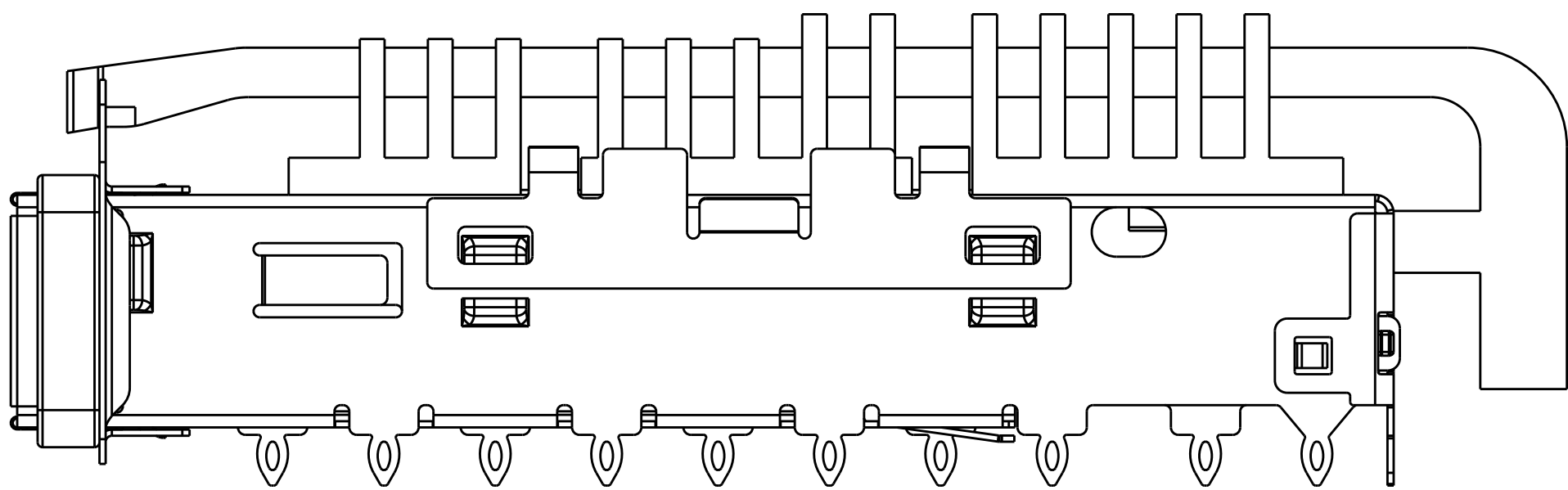
SCALE 4:1
2170539-5 AS SHOWN

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 ±0.13 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

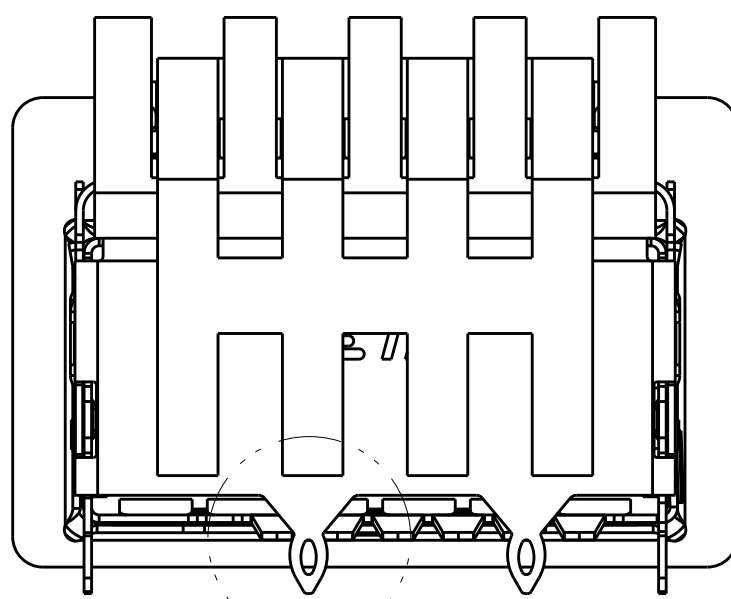


Changed stand off shape on 3 EON

SCALE 4:1

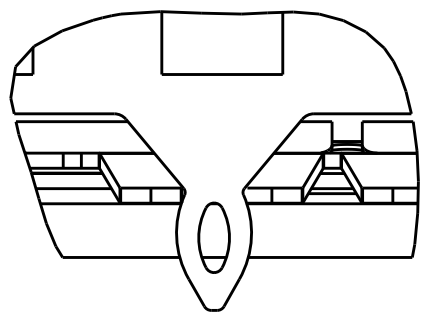


SCALE 4:1



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

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