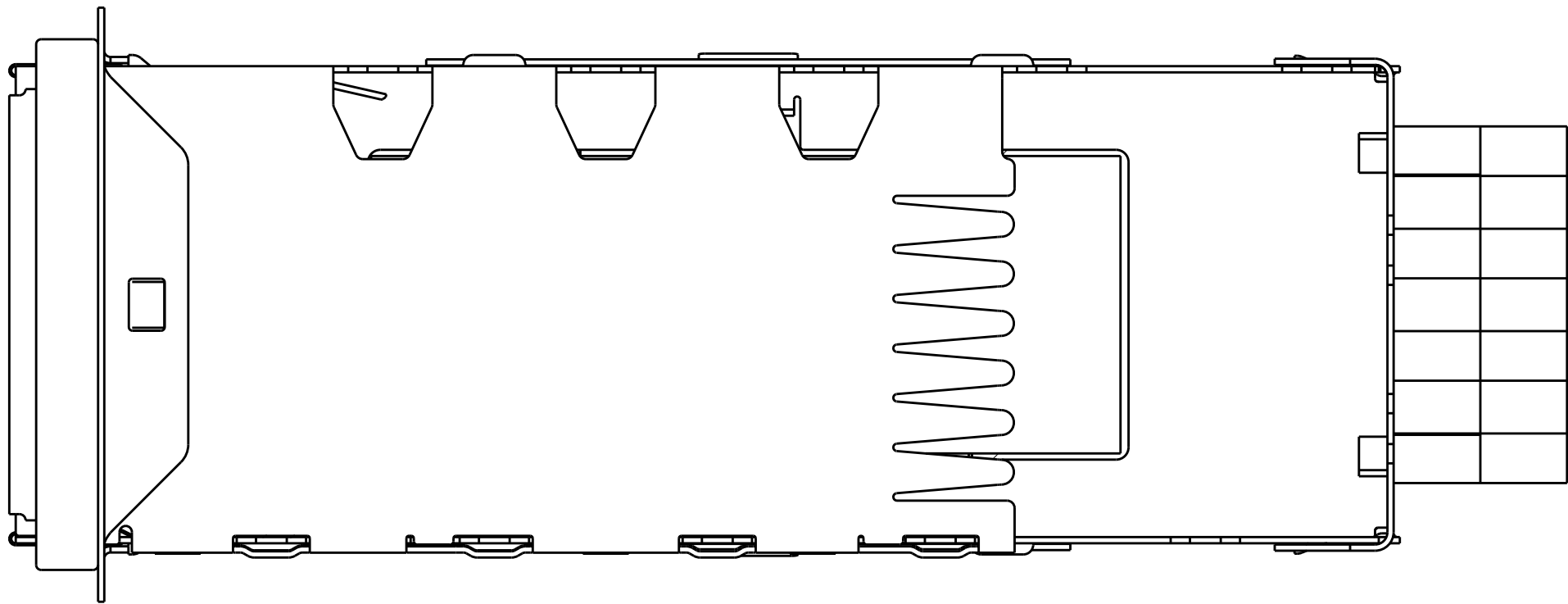
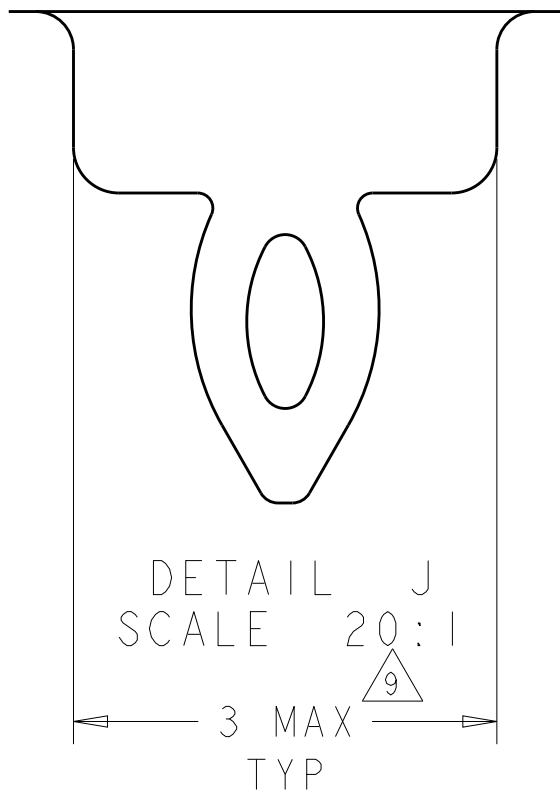
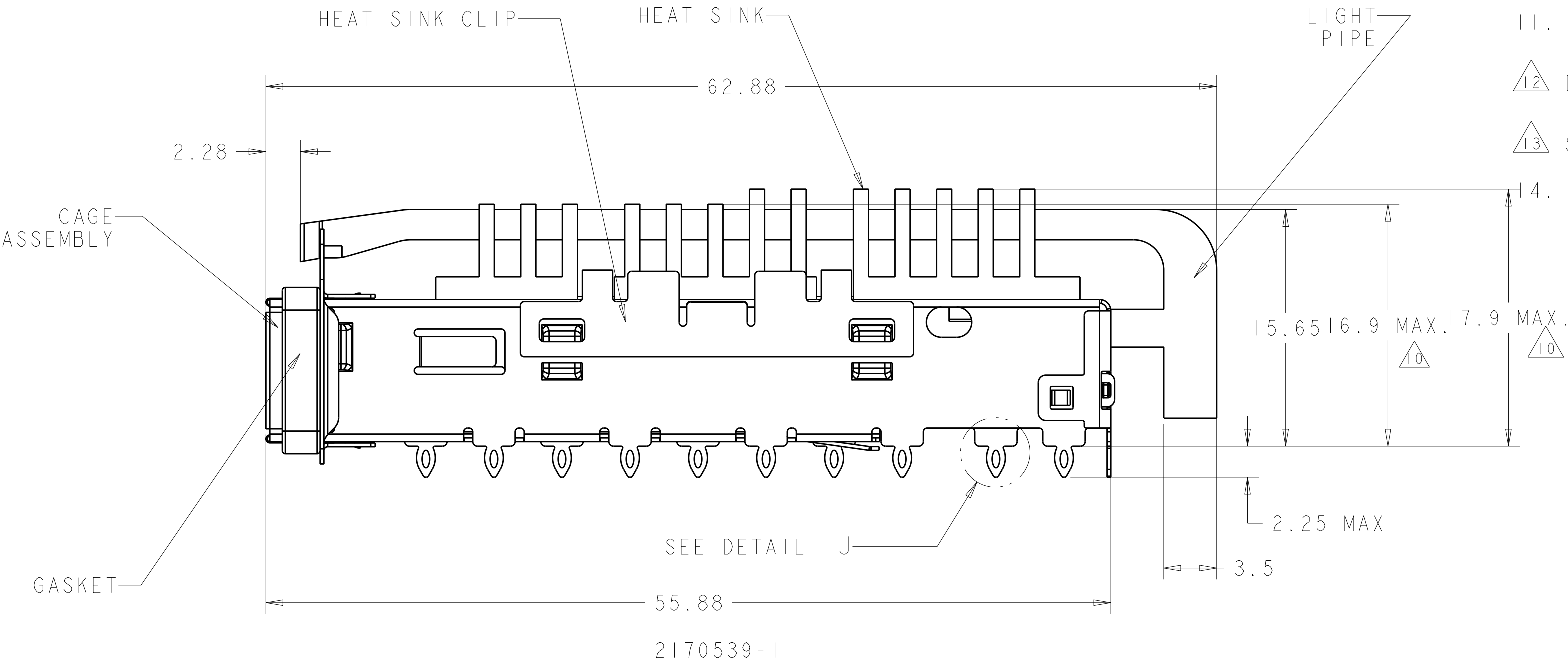
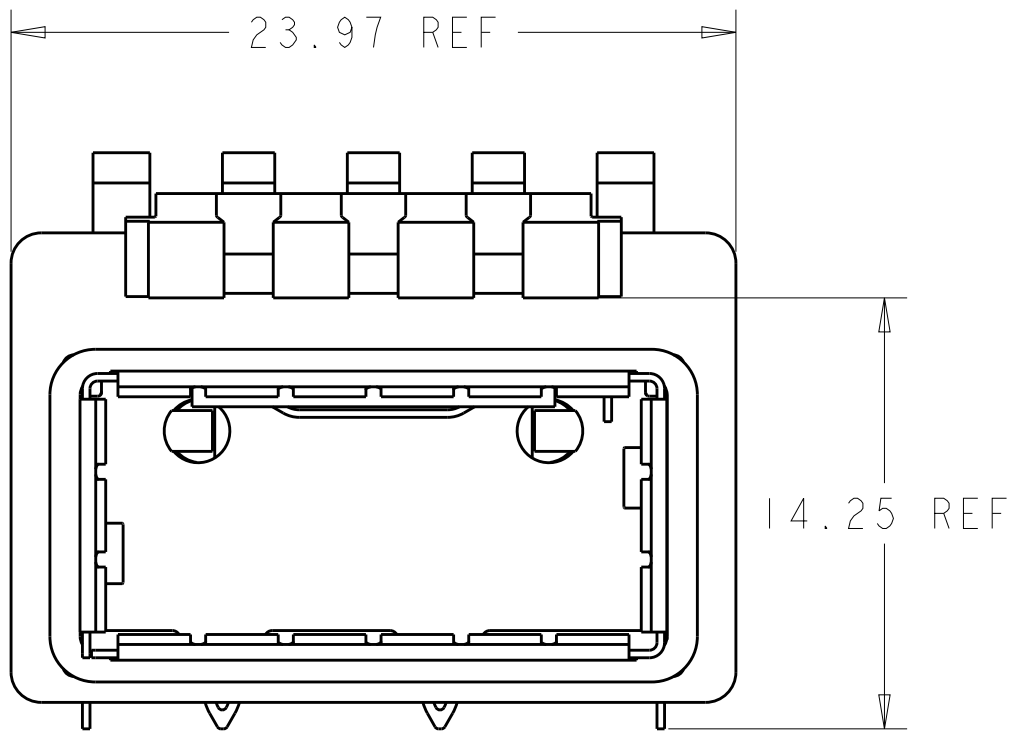
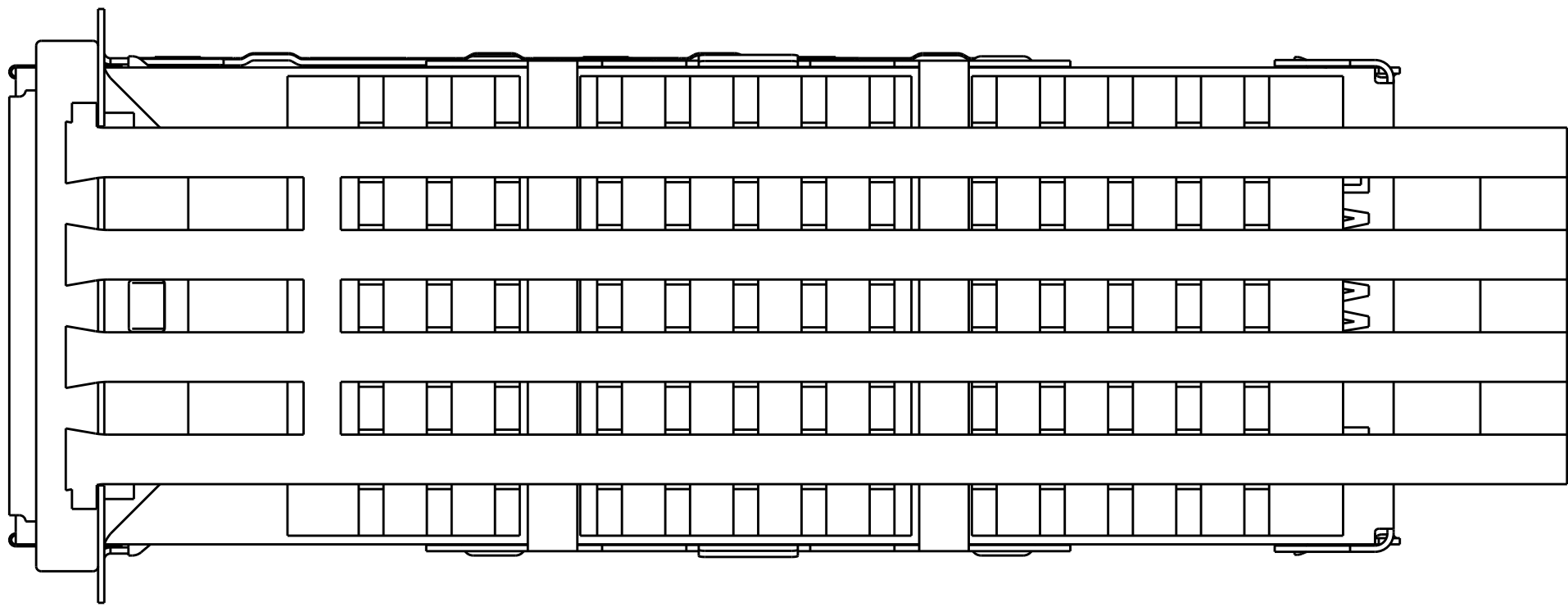
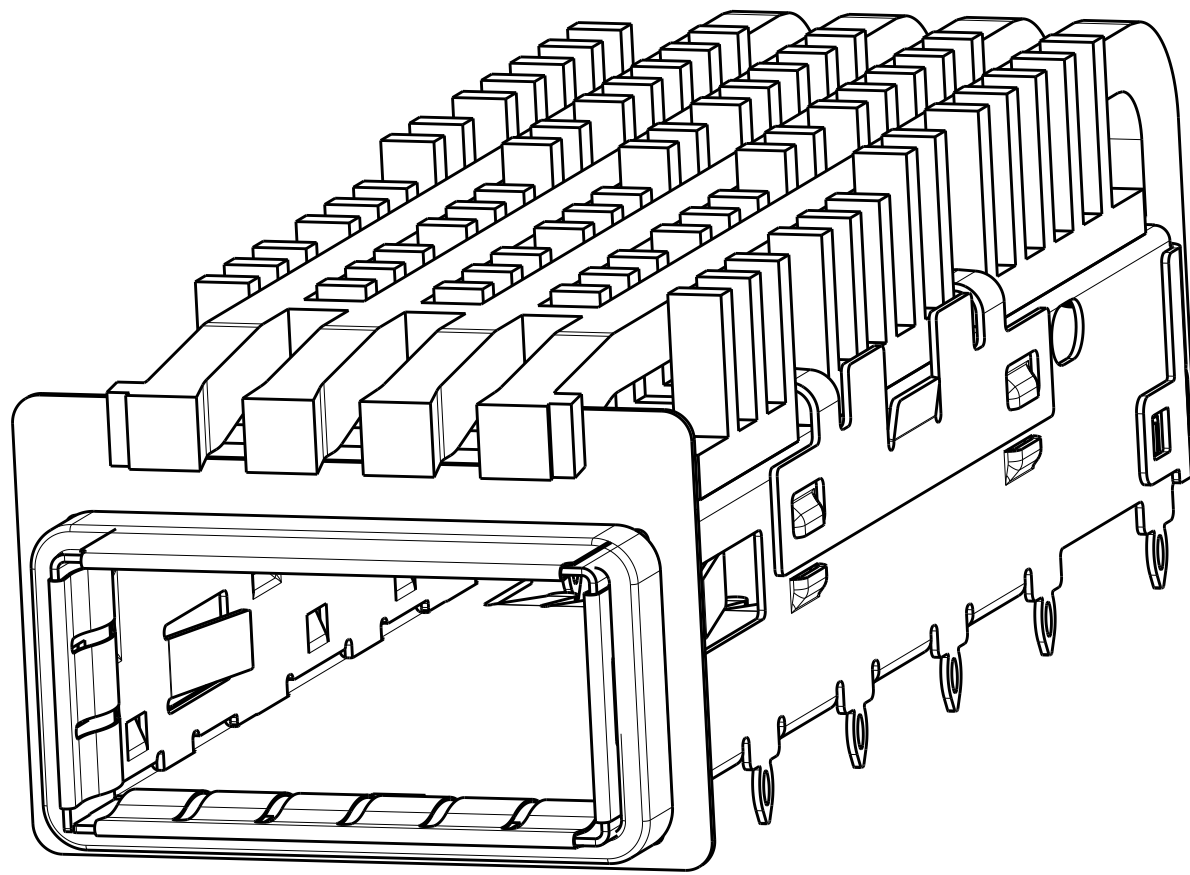


LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			2	PRELIMINARY	20JAN2014	HW	MC
			3	PRELIMINARY	02APR2014	HW	MC
			4	PRELIMINARY	04MAY2014	HW	MC
			5	ADD 2170539-5	04MAY2014	HW	MC



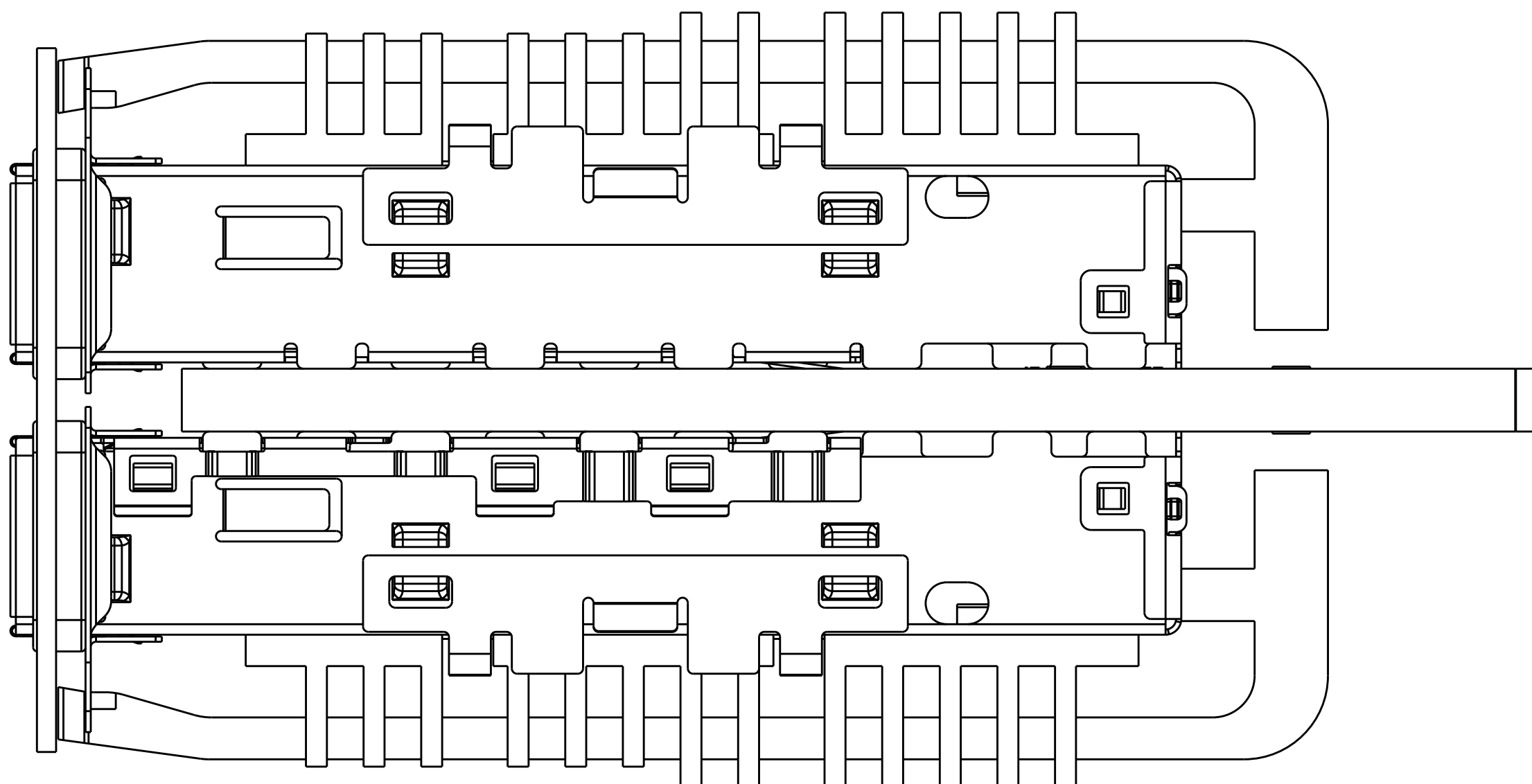
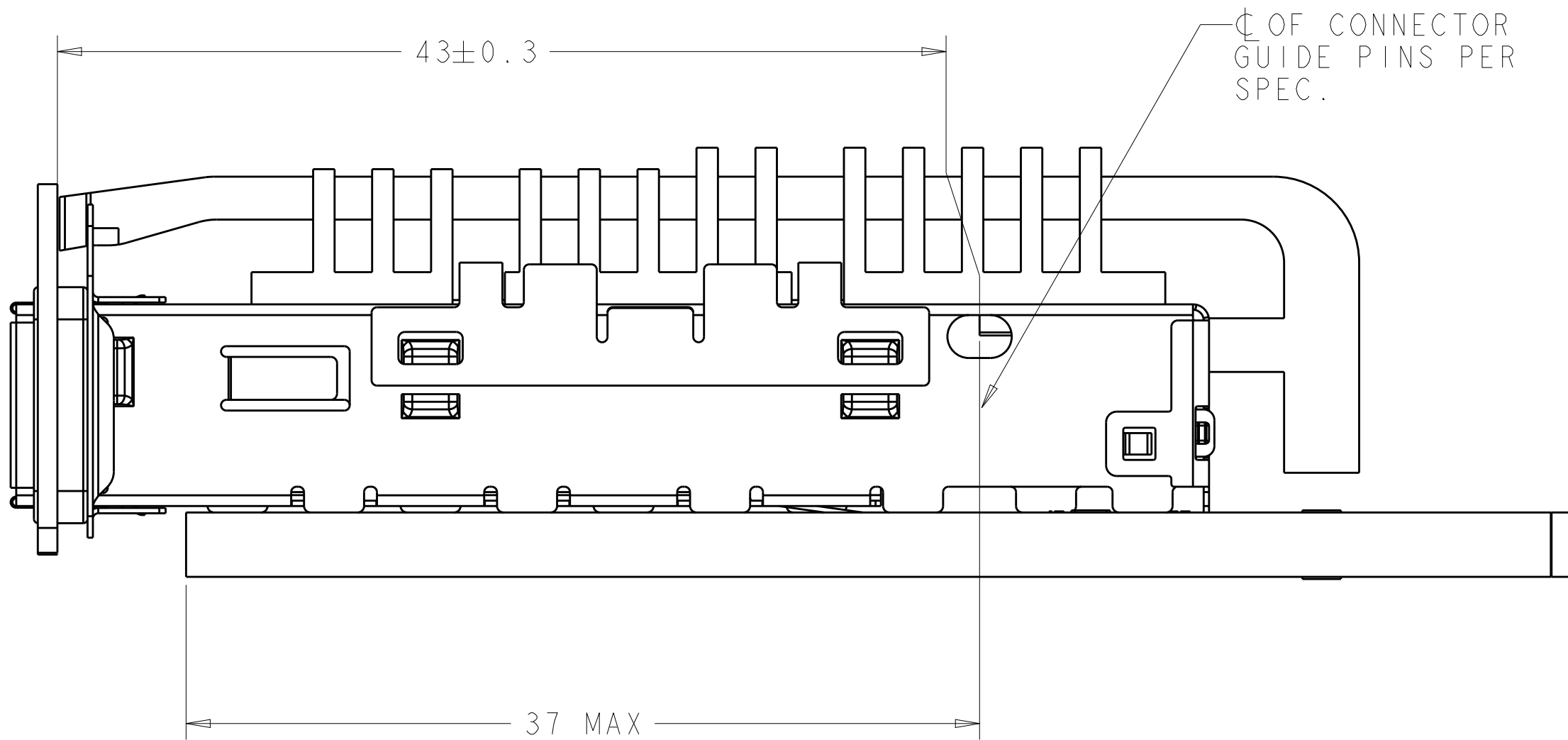
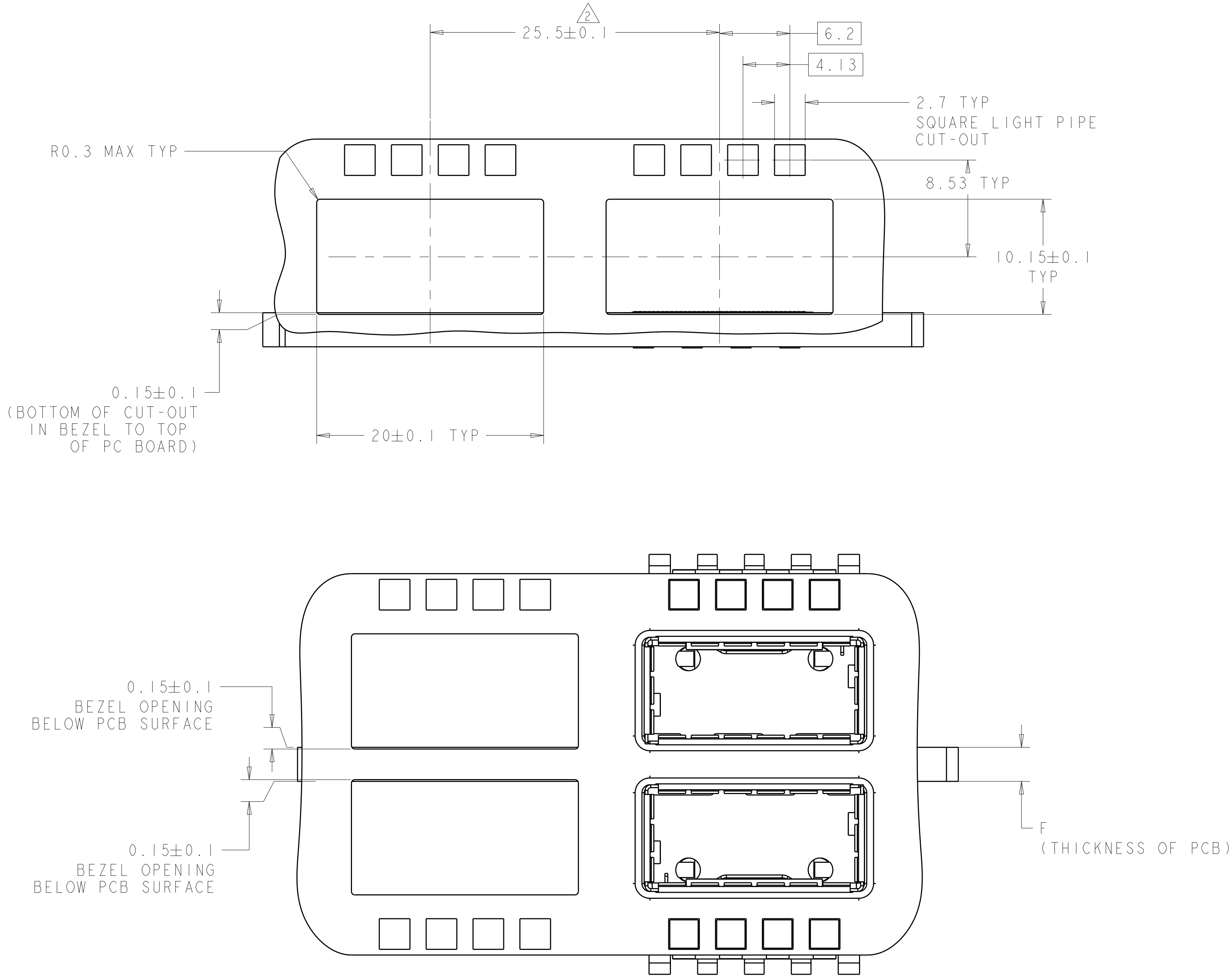
1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-O RATED.
EMI SPRING MATERIAL: COPPER ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. REFERENCE APPLICATION 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.
14. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.

DESIGN APPROVED THIS PRINT IS
PRELIMINARY
TO FIRST PIECE APPROVAL
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

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
		CHK	JASON WANG	14MAY2013
		APVD	ALEX CAI	14MAY2013
DIMENSIONS:		NAME		
mm		PRODUCT SPEC		
		108-2286		
		APPLICATION SPEC		
		114-13217		
MATERIAL		SIZE	CAGE CODE	DRAWING NO
		Customer Drawing	A100779	2170539
		SCALE	4:1	SHEET 1 OF 5
		REV	5	

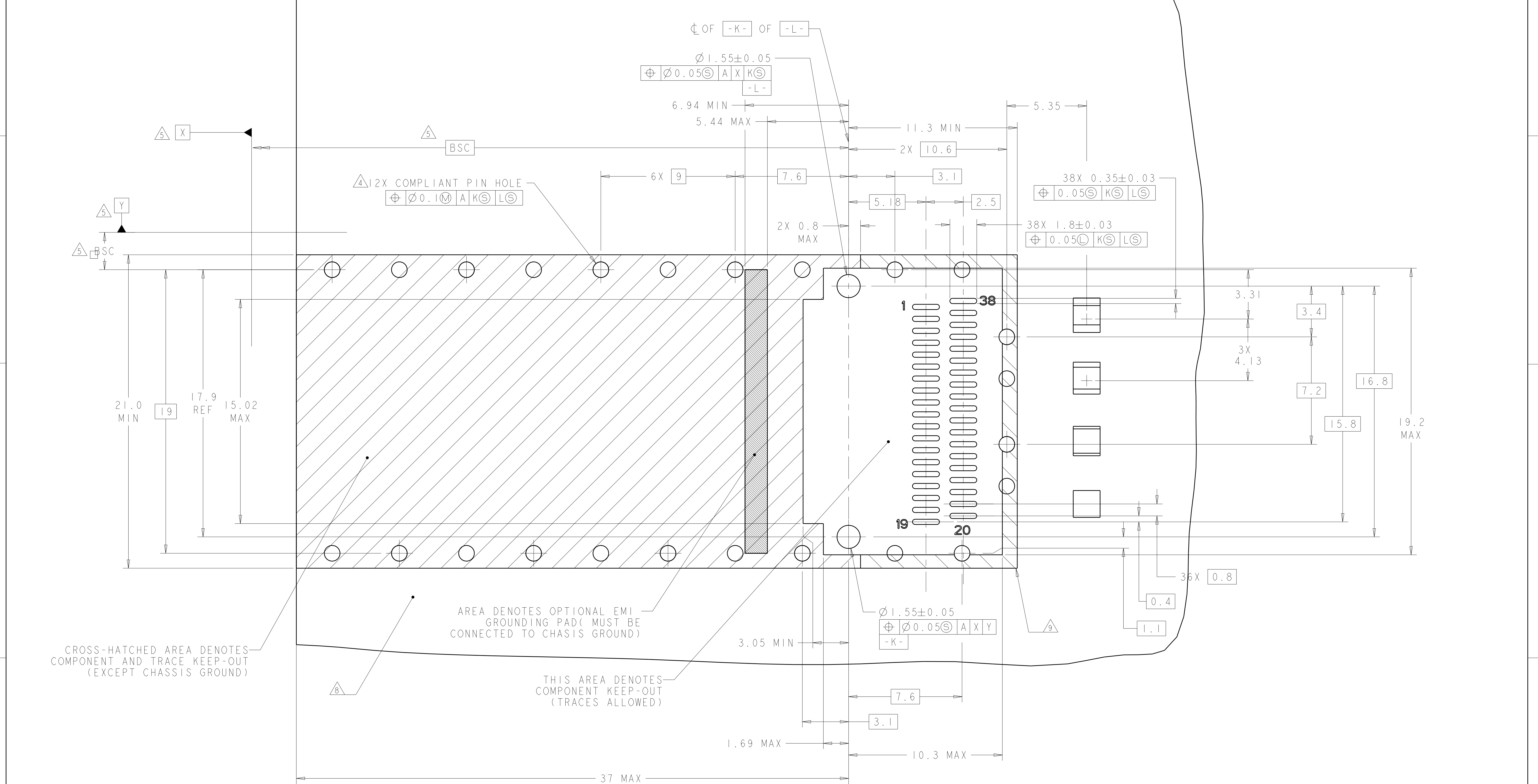
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



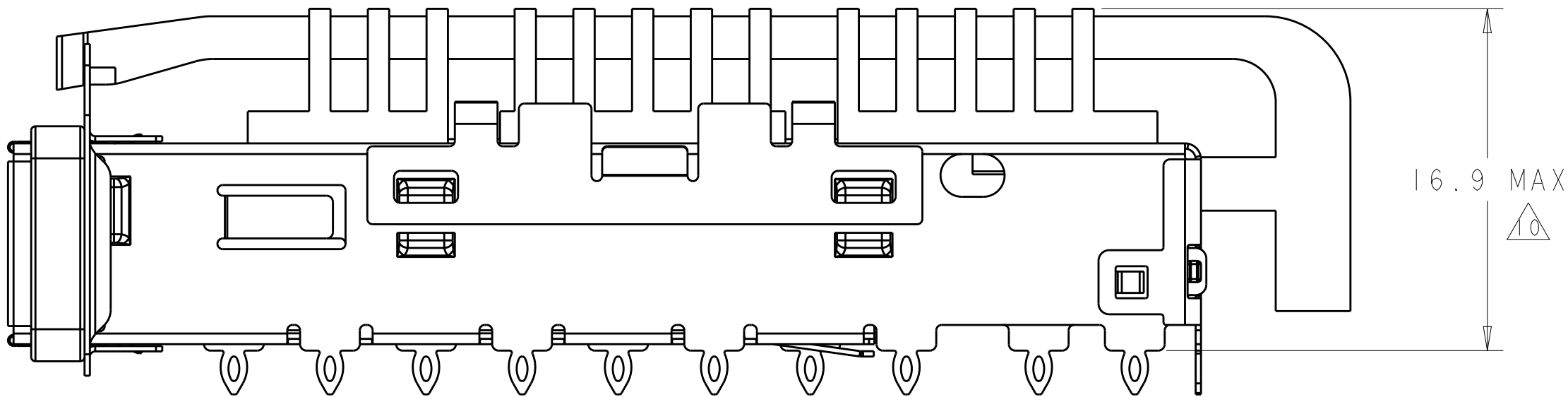
SCALE 4:1

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

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-



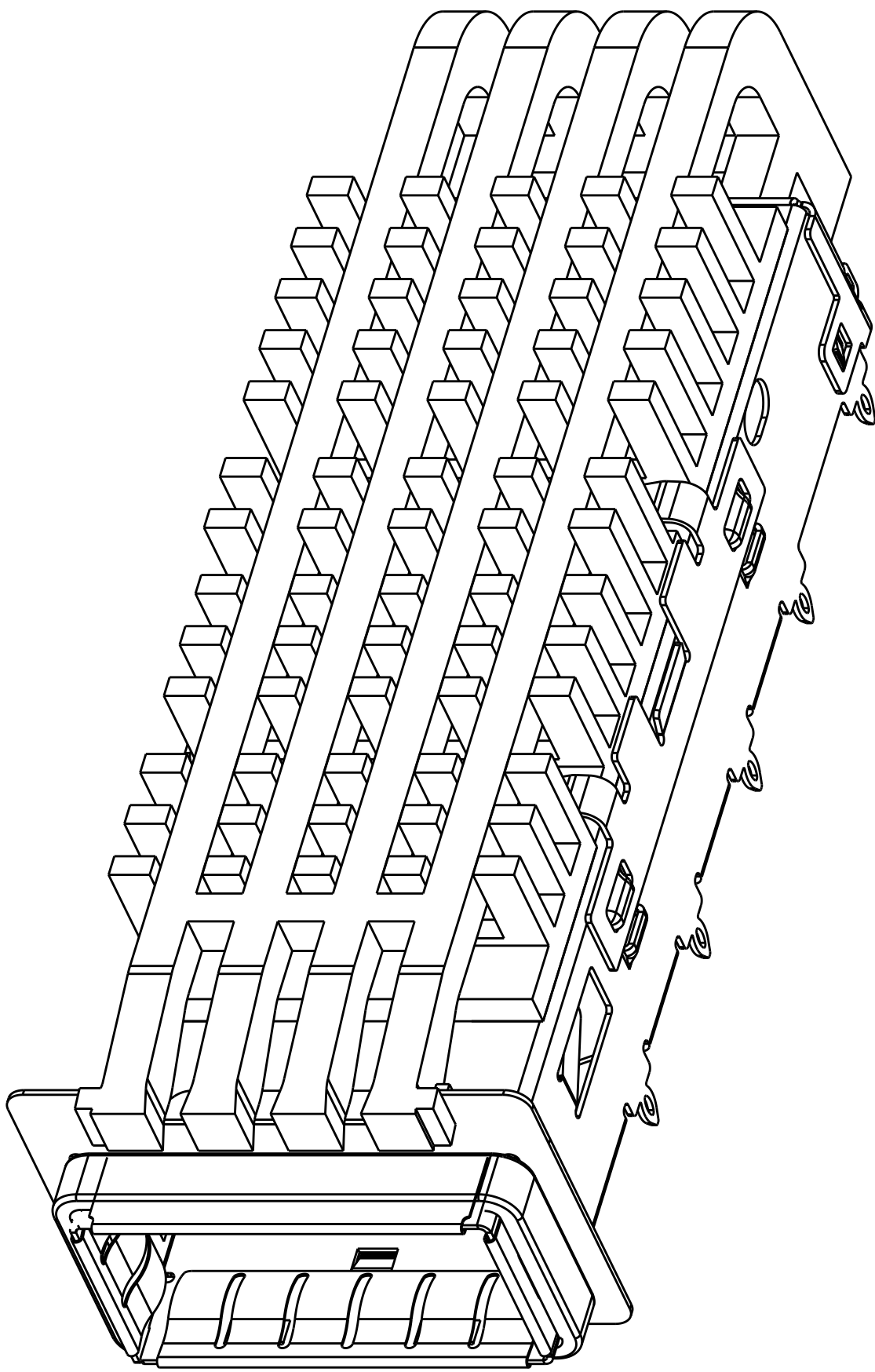
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



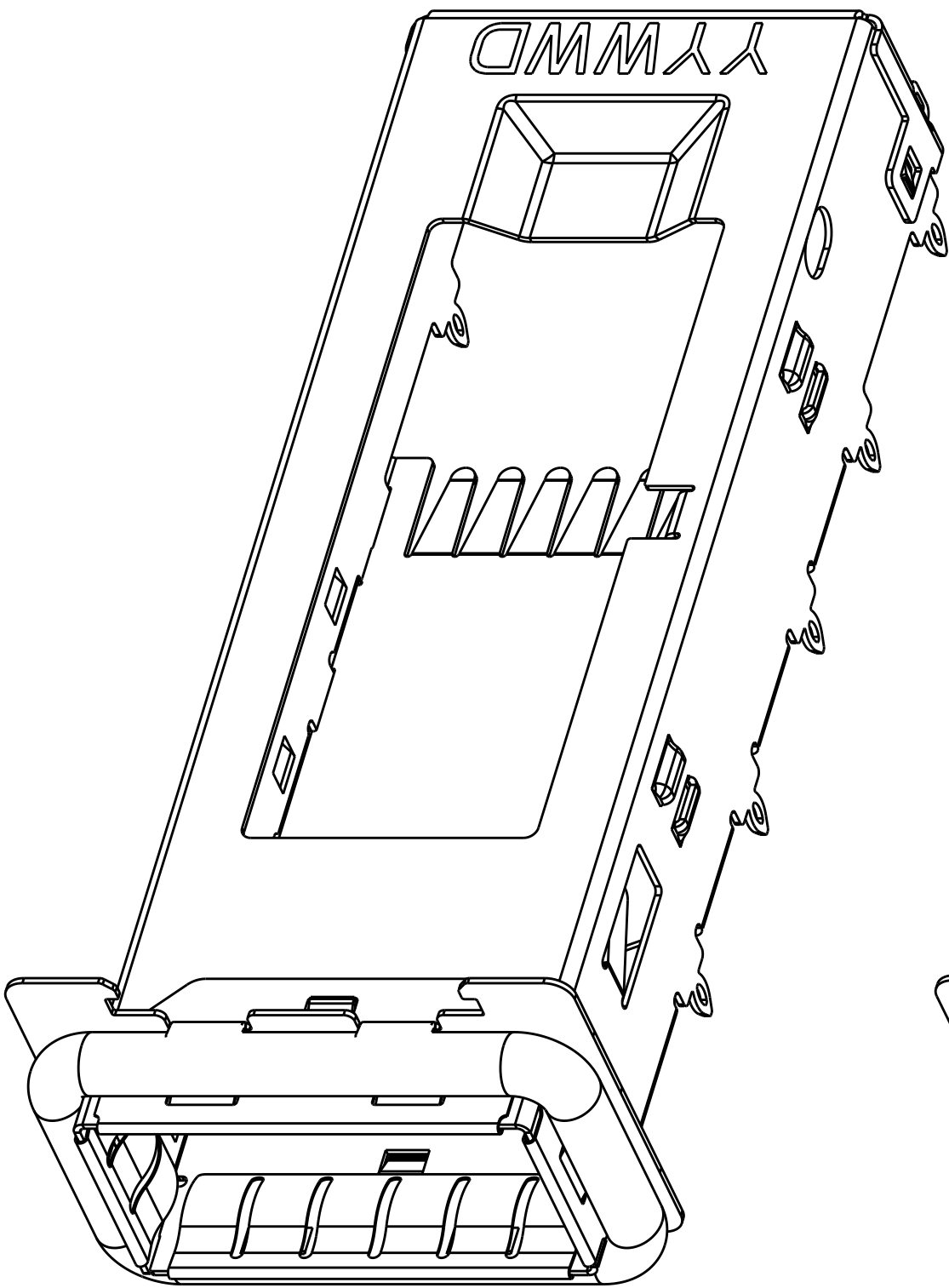
SCALE 4:1
2170539-5
EXCEPT INDICATED DIMENSION
OTHER DIMENSIONS ARE SAME AS 2170539-1

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

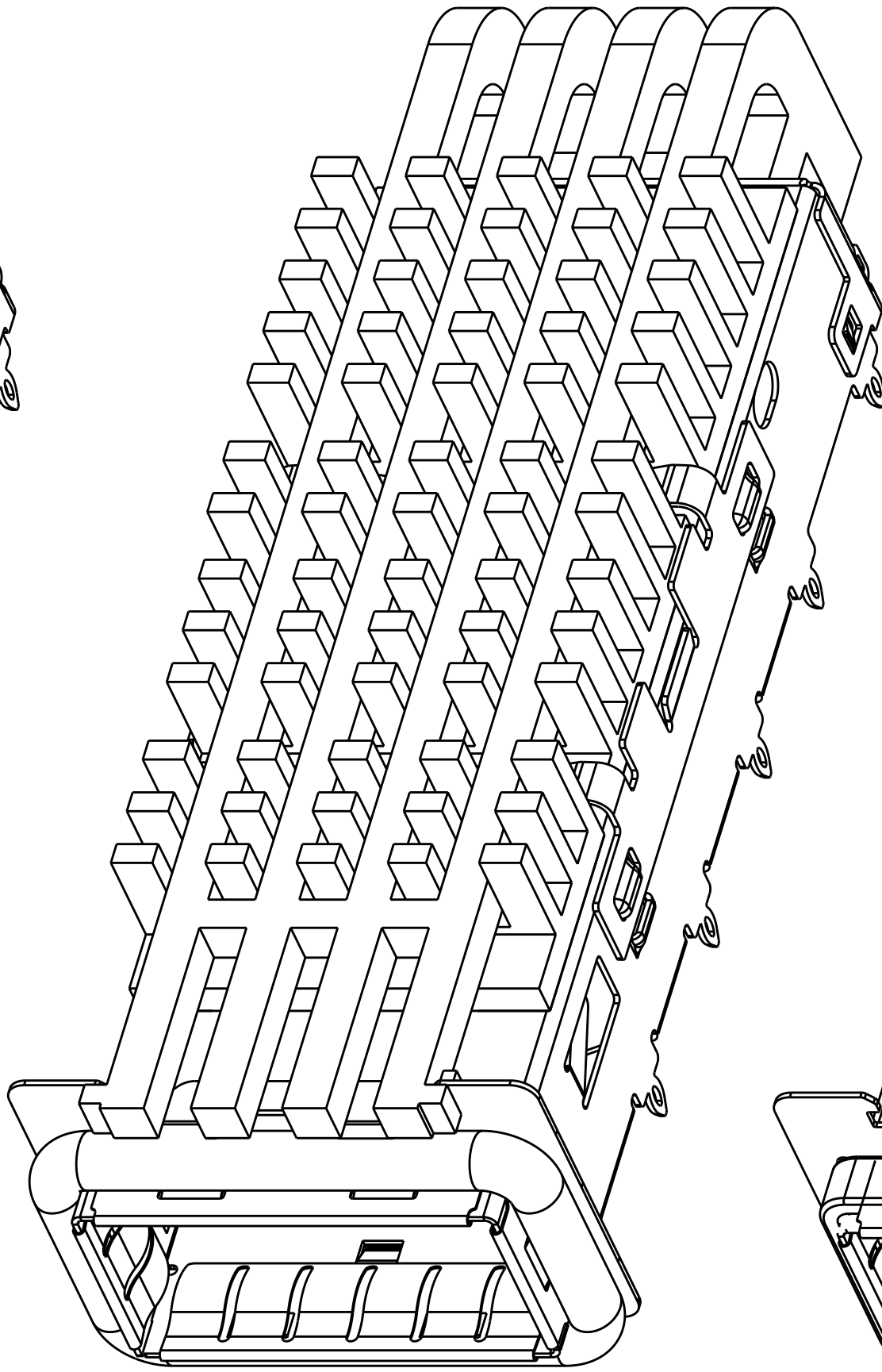
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



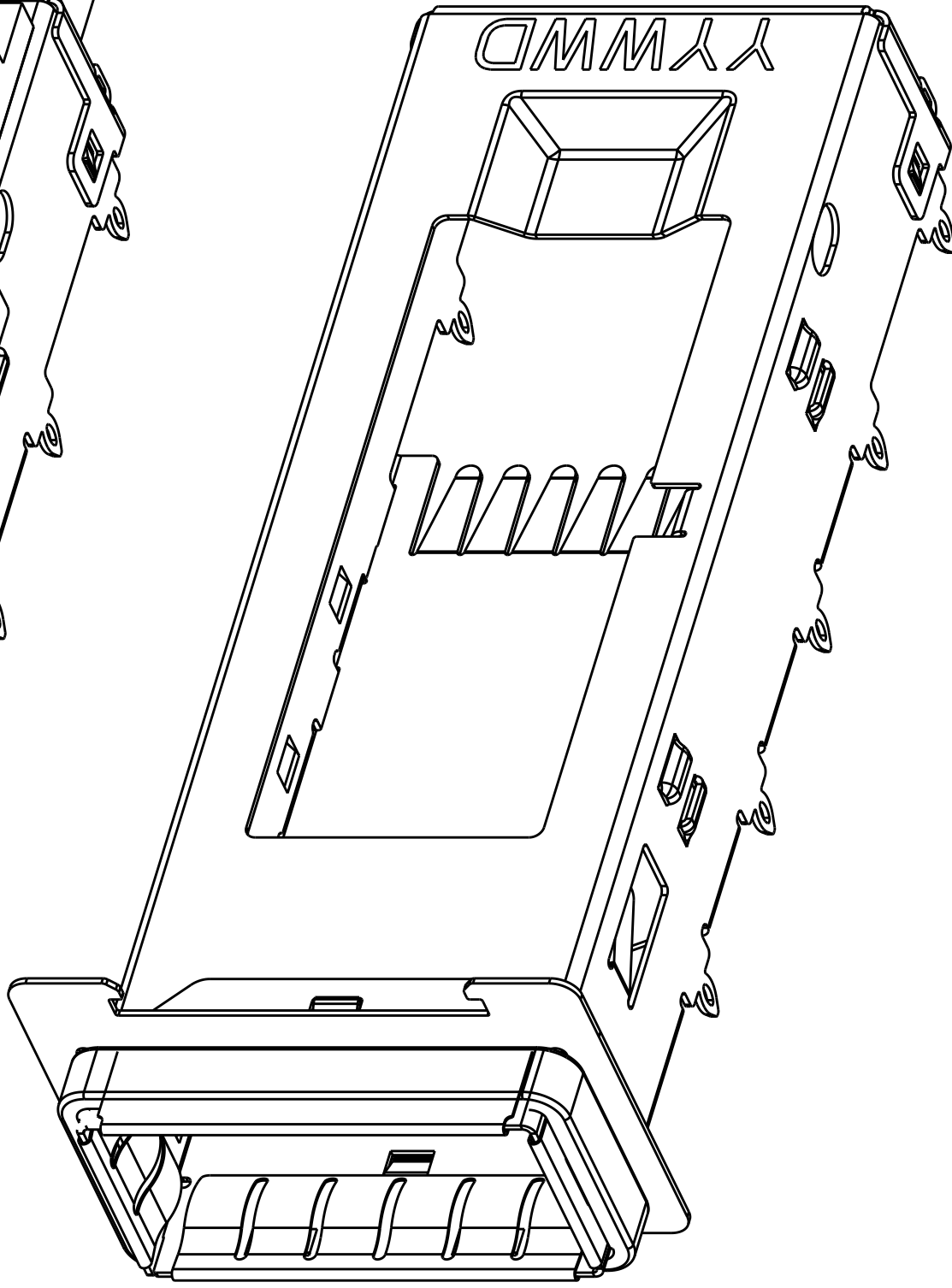
SCALE 4:1
2170539-1 AS SHOWN



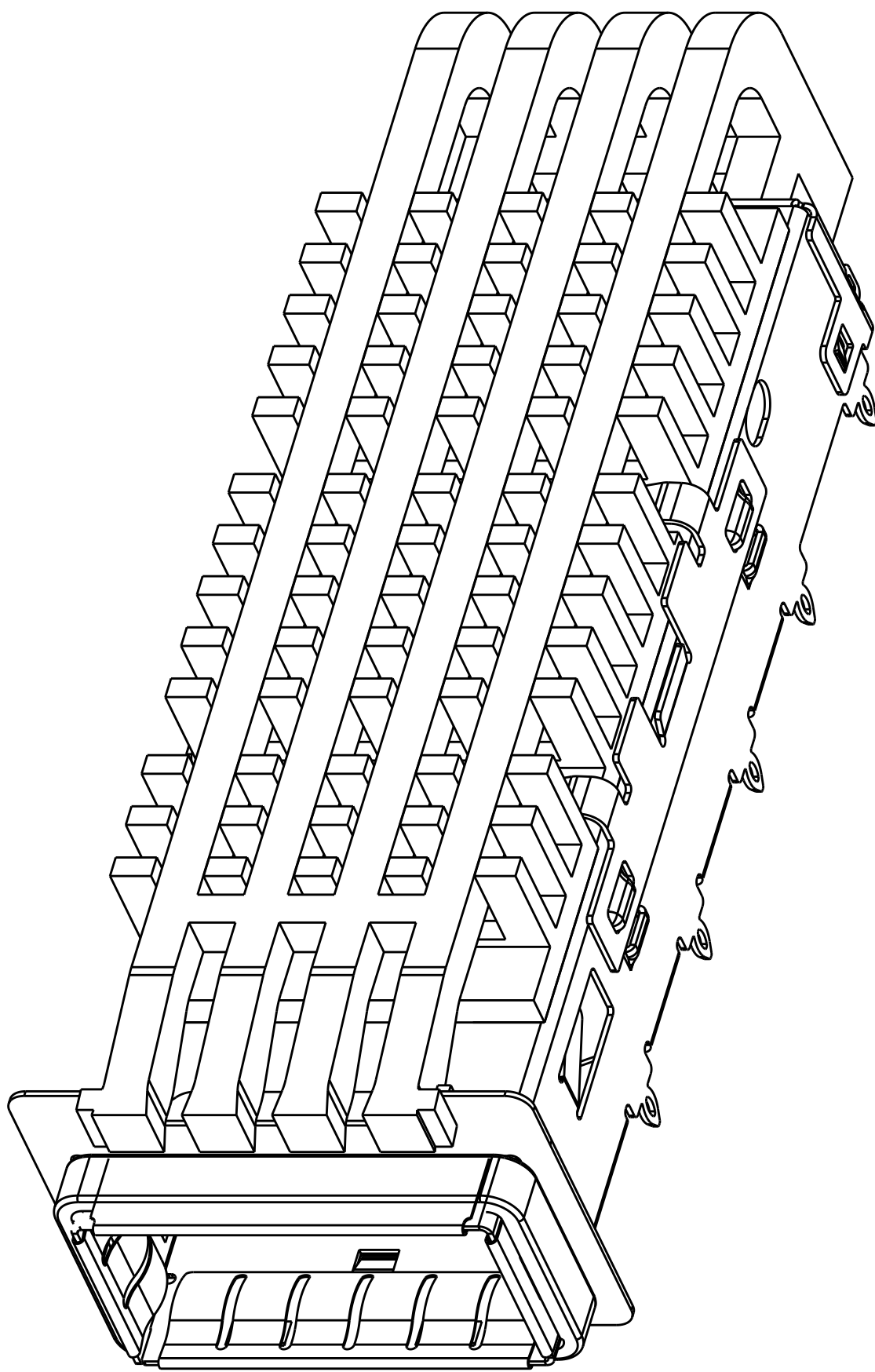
SCALE 4:1
2170539-2 AS SHOWN



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	IM XUE	14MAY2013	 TE Connectivity		
		CHK	JASON YANG	14MAY2013			
		APVD	ALEX CAI	14MAY2013	NAME		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:			CAGE ASSEMBLY, OSFP+, W/ HEAT SINK,EMI GASKET AND LIGHT PIPE		
mm							
		0 PLC ±.5			SIZE		
		1 PLC ±0.5					
		2 PLC ±0.13					
		3 PLC ±0.013					
		4 PLC ±0.0001					
ANGLES		±.1			DRAWING NO		
FINISH							
MATERIAL		-			RESTRICTED TO		
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