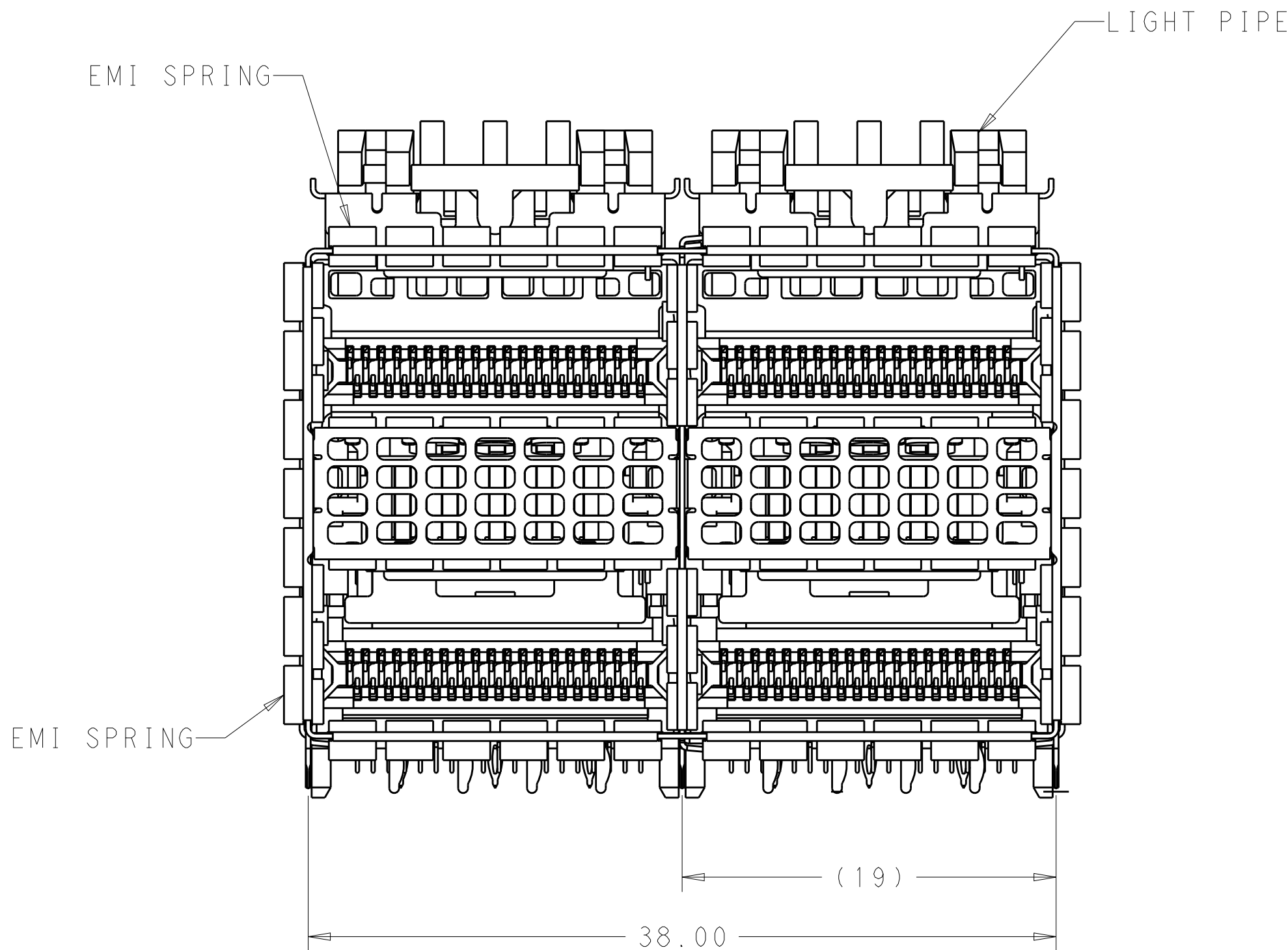
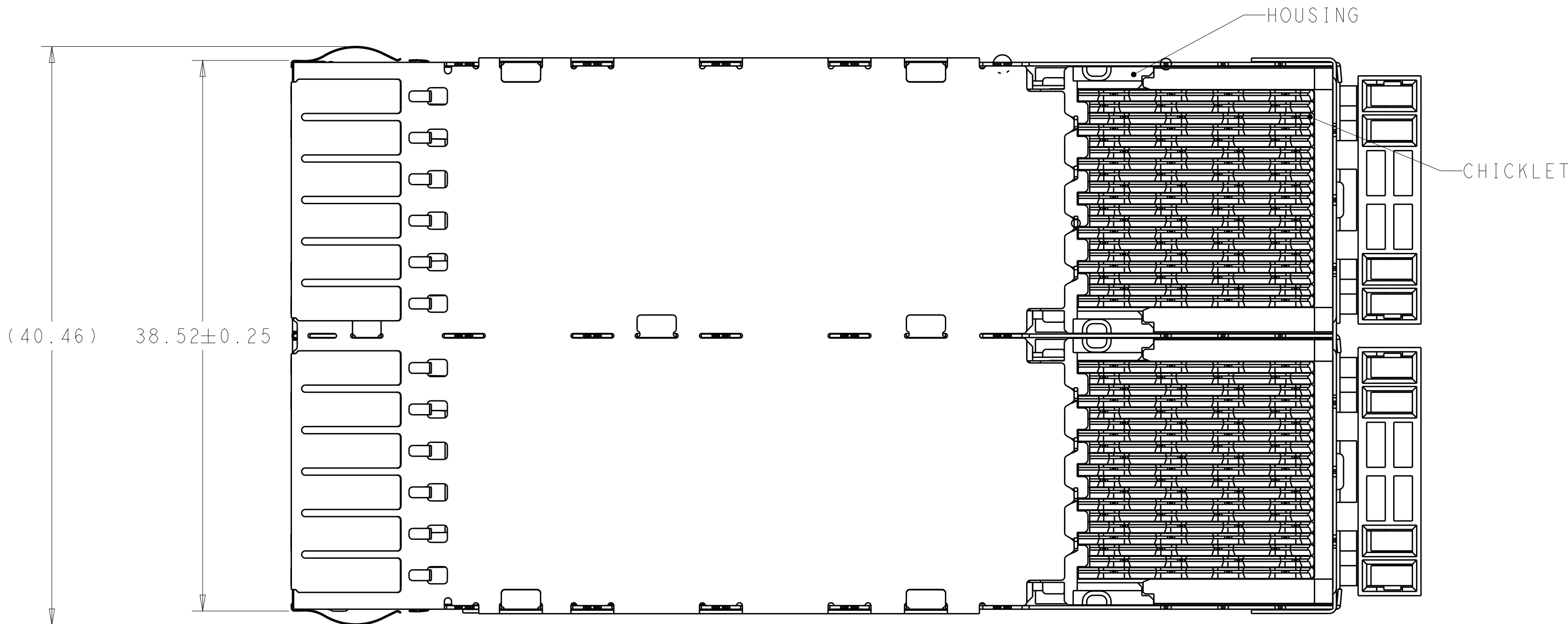
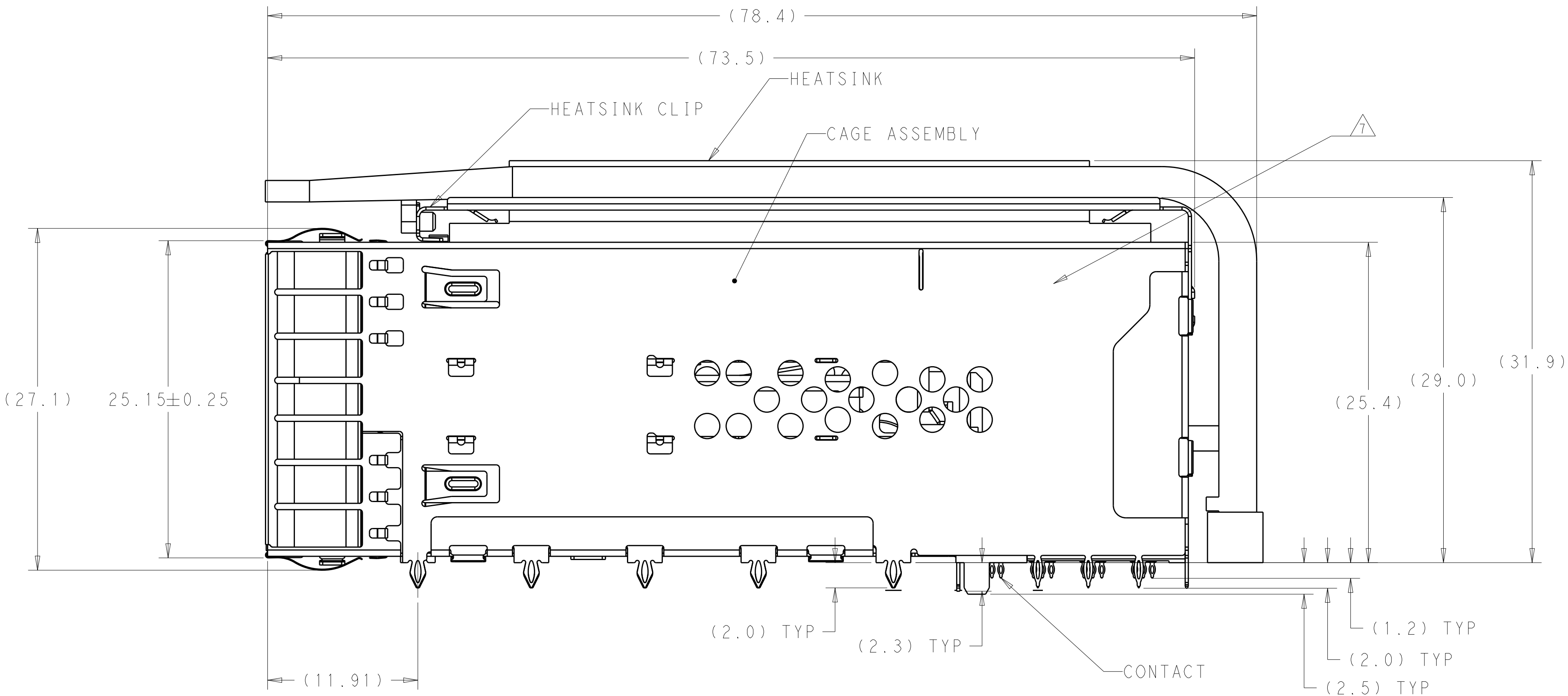


LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					A	INITIAL RELEASE	13MAR2017	LL	SH
					B	REVISED PER ECO-17-012744	31AUG2017	TX	SH

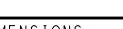
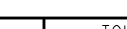
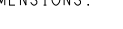


2299870-1

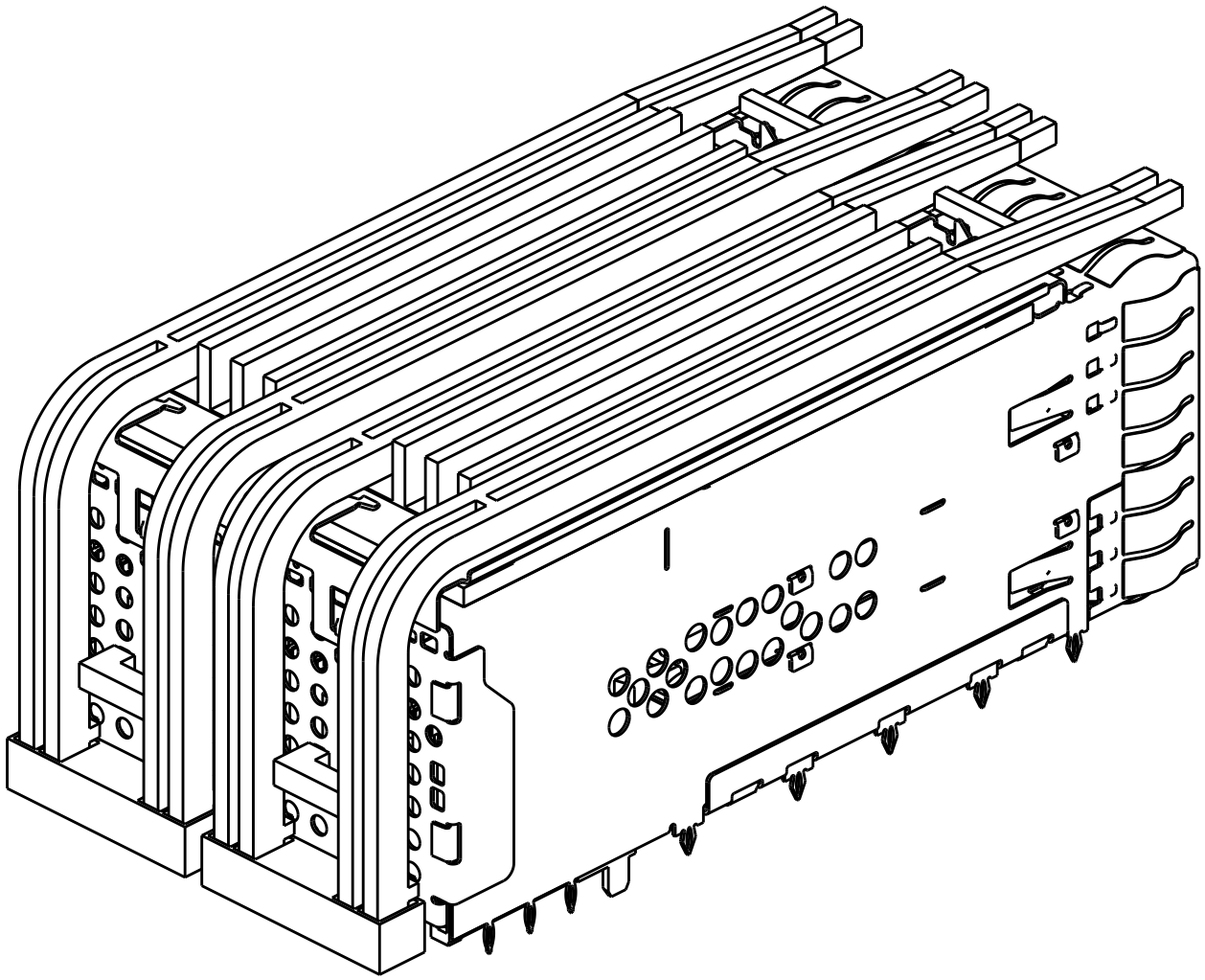
1. MATERIALS:
CAGE ASSEMBLY- NICKEL SILVER ALLOY PER ASTM B 122.
EMI SPRING- COPPER ALLOY, NICKEL PLATED.
HOUSING- POLYESTER LCP WITH 94V-0.
CHICKLET- POLYESTER LCP WITH 94V-0.
CONTACT- COPPER ALLOY.
LIGHTPIPE- POLYCARBONATE WITH 94V-0.
2. CONTACT FINISH: 0.76µm GOLD ON MATING AREA, 0.7-1.5µm MATT TIN ON COMPLIANT AREA, ALL OVER 1.27µm NICKEL.
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
4. MINIMUM PCB THICKNESS OF 1.57.
5. THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND TRACES.
6. CROSS-HATCHED AREAS REPRESENT ZONES ON THE PCB THAT COME IN CONTACT WITH OR BE IN CLOSE PROXIMITY TO THE PLASTIC HOUSING OR THE CONNECTOR CAGE. INDICATED AREAS TO BE CONSIDERED TRACE FREE.
7. PART NUMBER AND DATE CODE MAKED IN APPROXIMATE AREA SHOWN.
8. HATCHED AREA IS PLACEMENT ZONE FOR LED. LED SHOULD BE CENTERED WITHIN ZONE. RECOMMEND 0805 PACKAGE.
9. CONTACT FINISH: 0.08µm MINIMUM GOLD OVER 0.68µm PALLADIUM-NICKEL ON MATING AREA, 0.7-1.5µm MATT TIN ON COMPLIANT AREA, ALL OVER 1.27µm NICKEL.



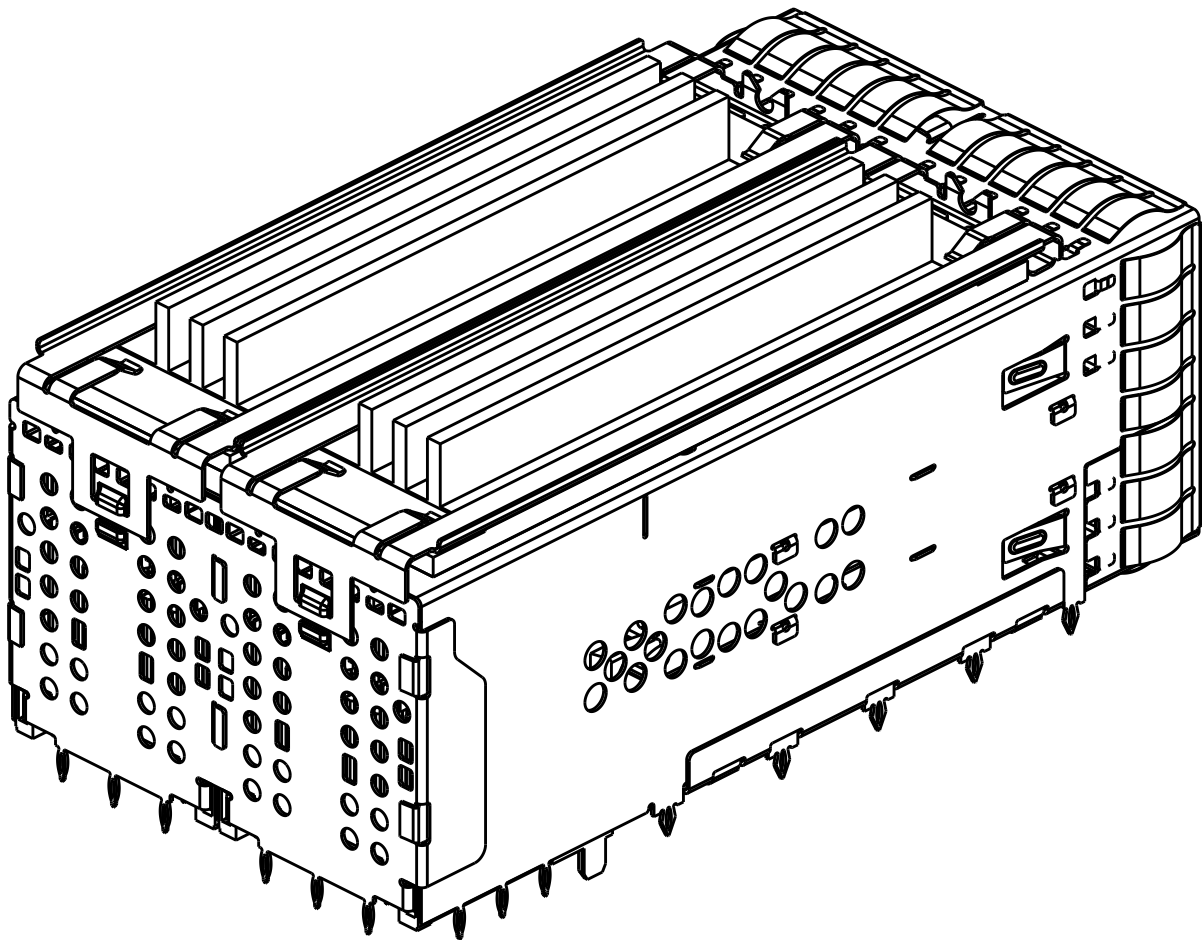
2	WITH HS & WITHOUT LP	2299870-6
2	WITHOUT UPPER HS OR LP	2299870-5
2	WITHOUT UPPER HS OR LP	2299870-4
2	WITH HS & WITHOUT LP	2299870-3
2	WITH HS & WITHOUT LP	2299870-2
2	WITH HS & WITH LP	2299870-1
CONTACT FINISH		PART NUMBER
DESCRIPTION		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: TIM XUE 28JAN2016	 TE Connectivity			
DIMENSIONS:		CHK: SEAN HAN 28JAN2016				
mm		APVD: SEAN HAN 28JAN2016	NAME	CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZOSFP+ STACKED WITH HS		
		PRODUCT SPEC				
		108-60102	SIZE	CAGE CODE DRAWING NO		
		APPLICATION SPEC				
MATERIAL		114-60015	WEIGHT	A100779C=2299870		
		FINISH				RESTRICTED TO
SEE NOTE 1		SEE NOTE 2	CUSTOMER DRAWING	SCALE	4:1	SHEET 1 of 8 REV B

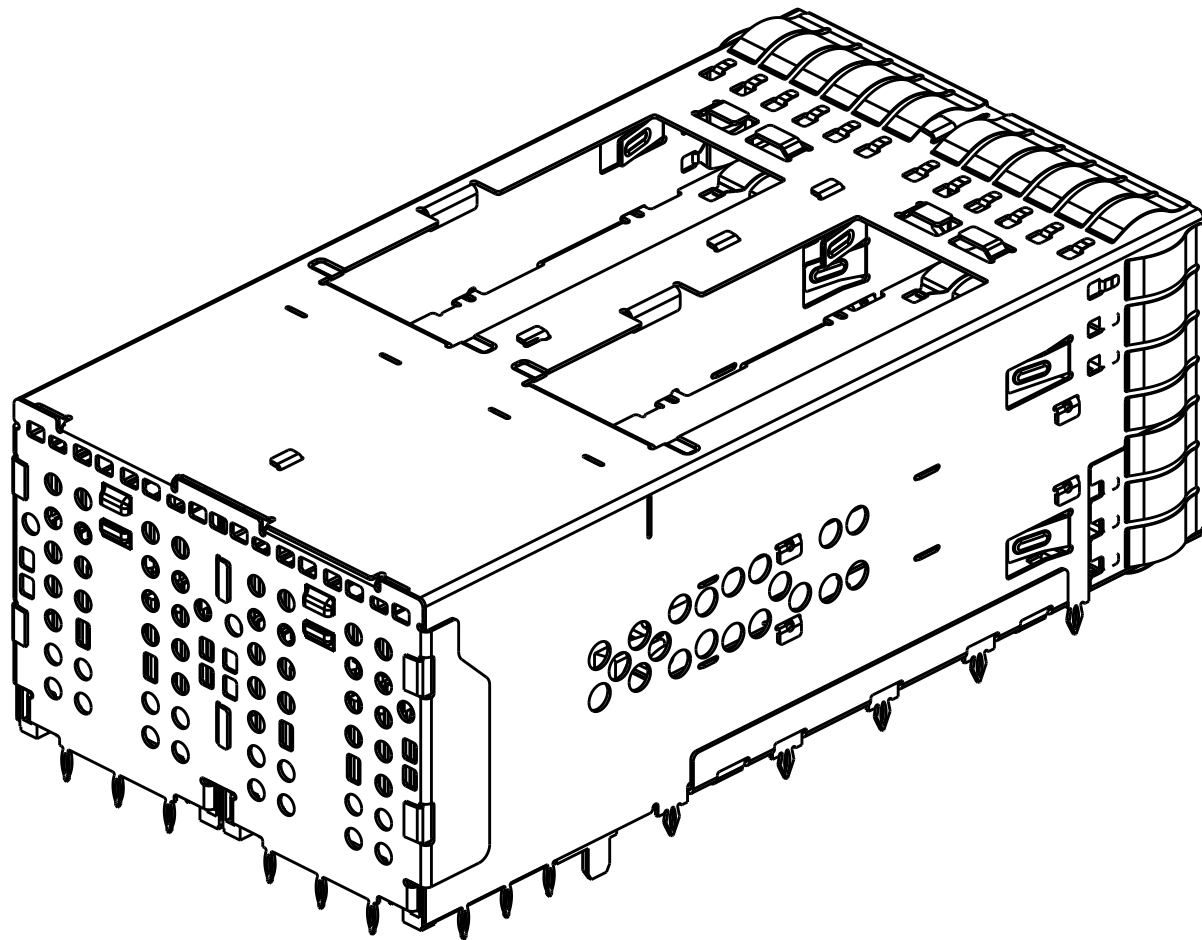
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-					
		-	SEE SHEET 1		-	-	-



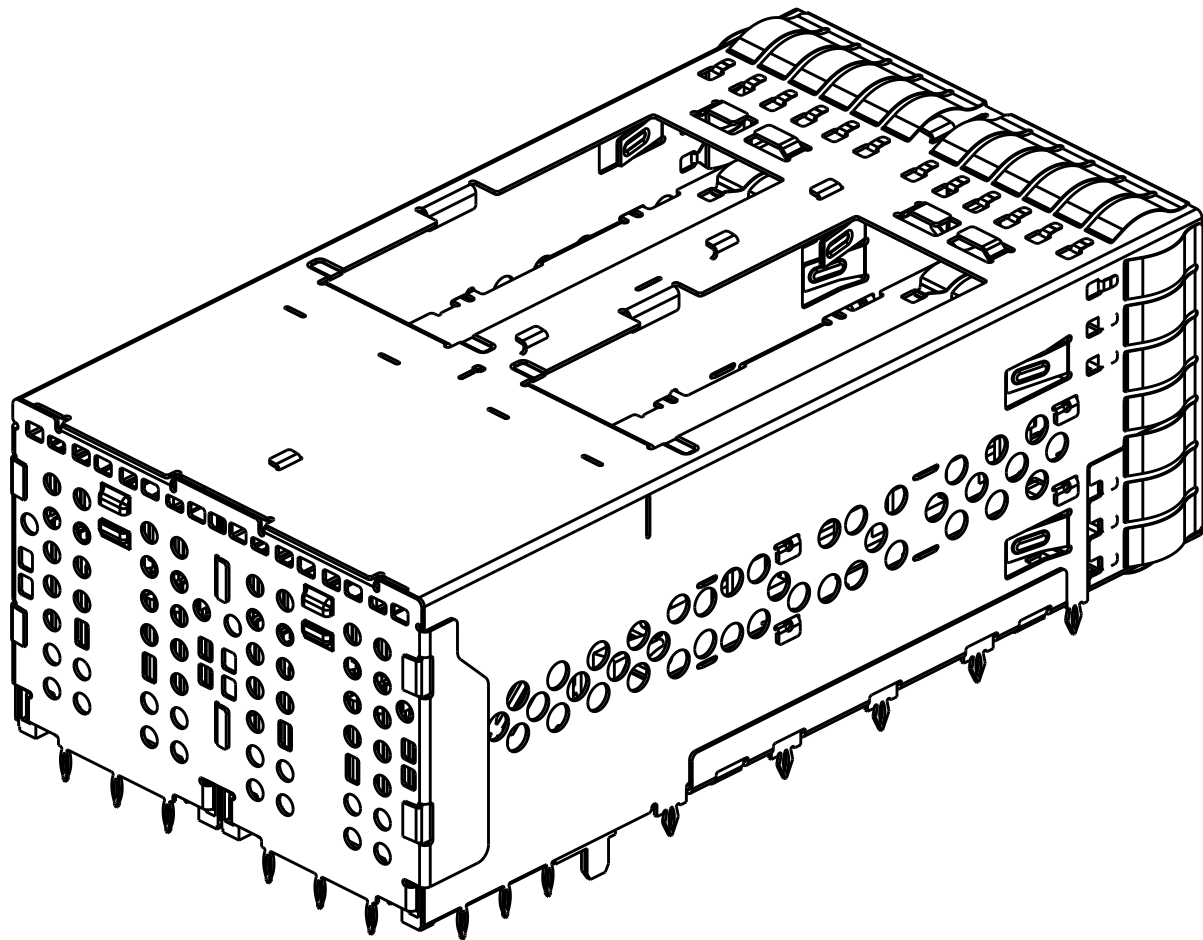
2299870-1 AS SHOWN
SCALE 2:1



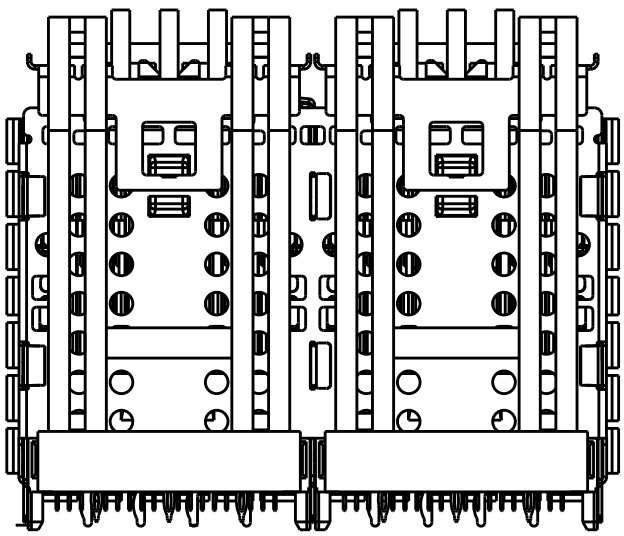
2299870-2 AS SHOWN
SAME AS 2299870-1 EXCEPT
W/O LEGHT PIPE AND ORGANIZER
SCALE 2:1



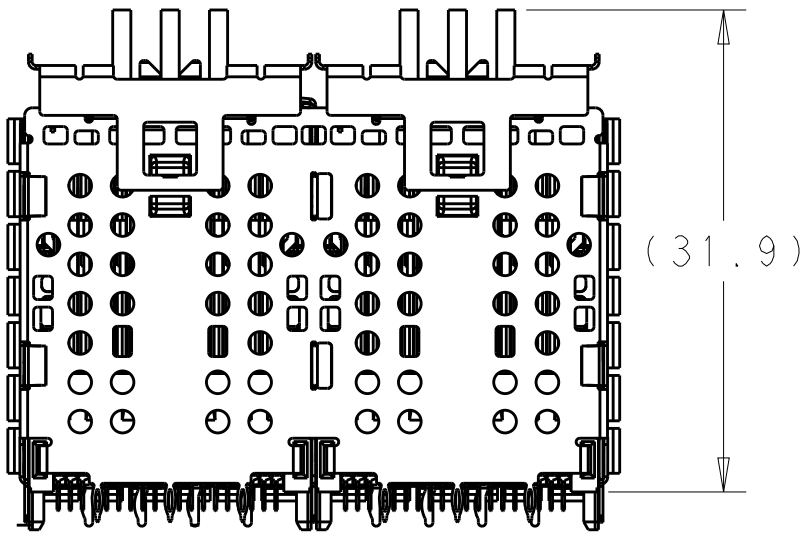
2299870-4 AS SHOWN
SAME AS 2299870-2 EXCEPT
W/O EXTERNAL HEAT SINK AND LP
SCALE 2:1



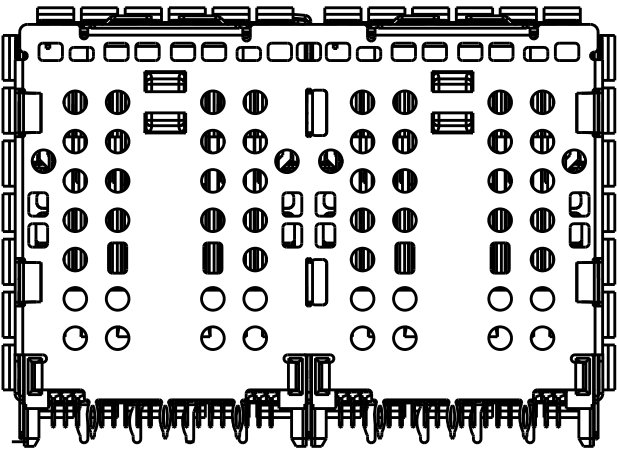
2299870-5
SCALE 2:1



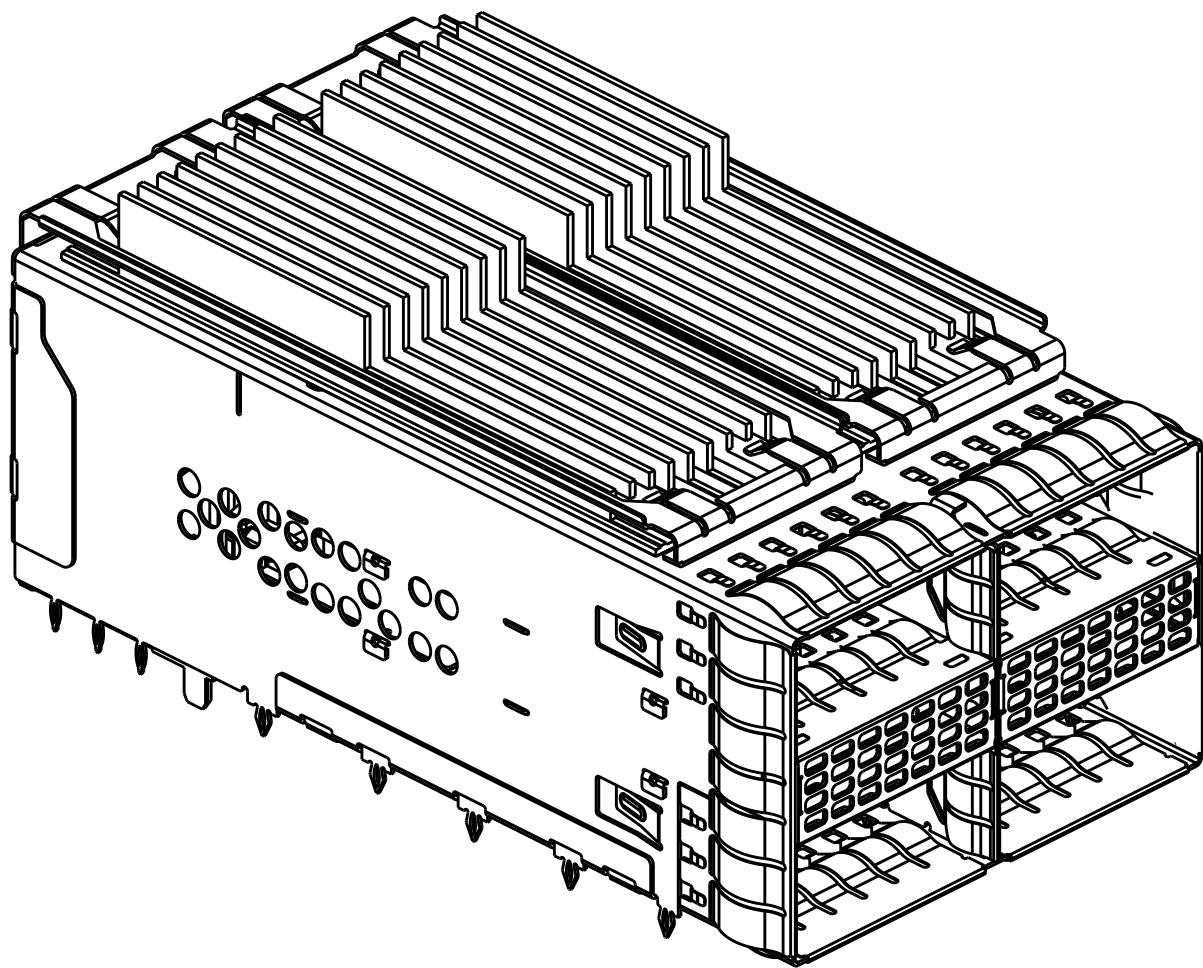
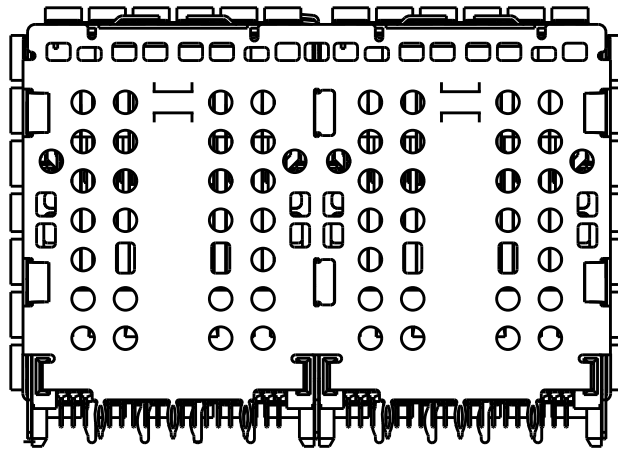
2299870-1
SCALE 2:1



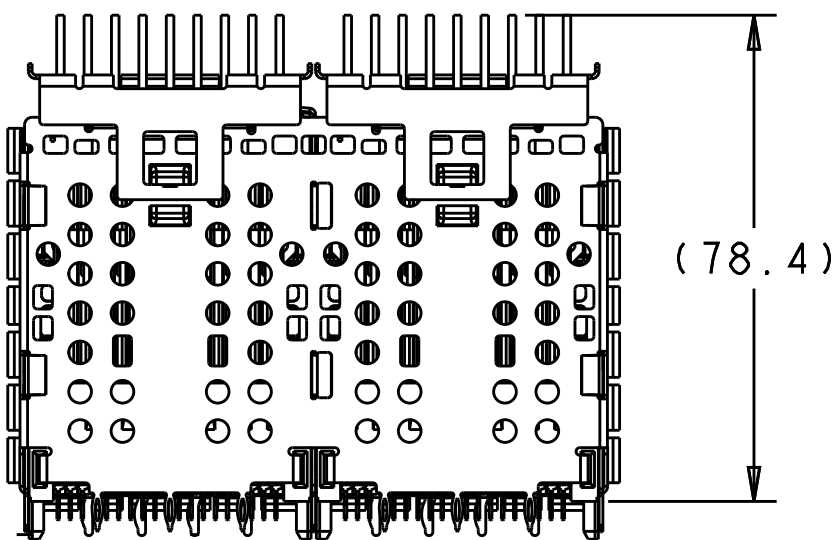
2299870-2
SCALE 2:1



2299870-4
SCALE 2:1



2299870-6
SCALE 2:1

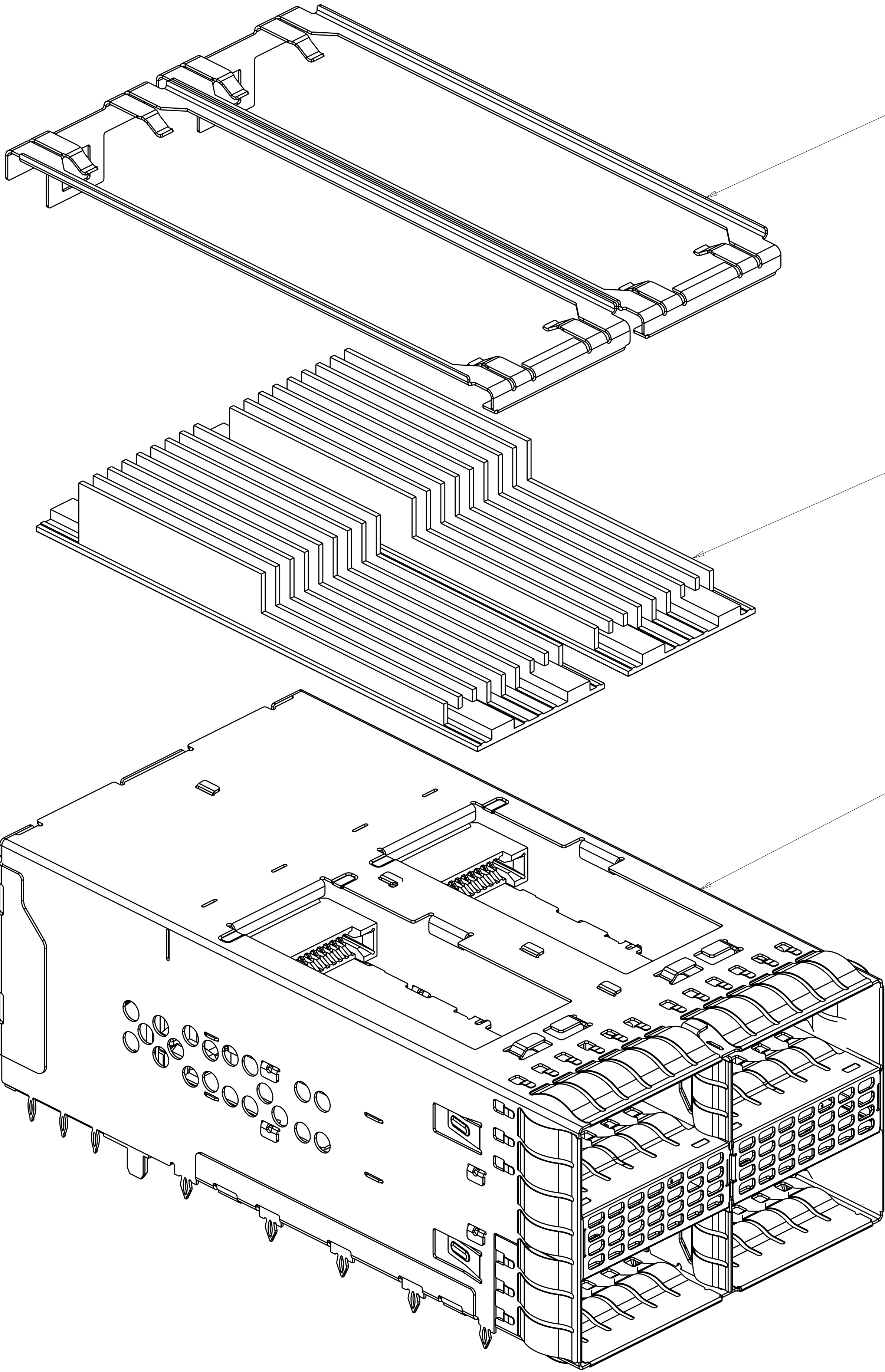


2299870-6
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.				OWN	TIM XUE		28JAN2016		 TE Connectivity								
				CHK	SEAN HAN		28JAN2016										
DIMENSIONS:				APVD	SEAN HAN		28JAN2016		NAME		CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS						
mm																	
				0 P/LC				±	PRODUCT SPEC		108-60102						
				1 P/LC				±									
				2 P/LC				±									
				4 P/LC				±									
				ANGLES				±									
FINISH								114-60015		APPLICATION SPEC		SIZE					
				WEIGHT		-											
MATERIAL								A1		CAGE CODE		DRAWING NO		RESTRICTED TO			
SEE NOTE 1				SEE NOTE 2				CUSTOMER DRAWING		SCALE		4:1		SHEET 2 OF 8		REV B	

LOC		DIST		REVISIONS				
GP		00		P	LTR	DESCRIPTION		DATE
				-		SEE SHEET 1		-

2299870-3 AS SHOWN, KIT PACKAGE



HEAT SINK CLIP
PN: 1-2300832-7

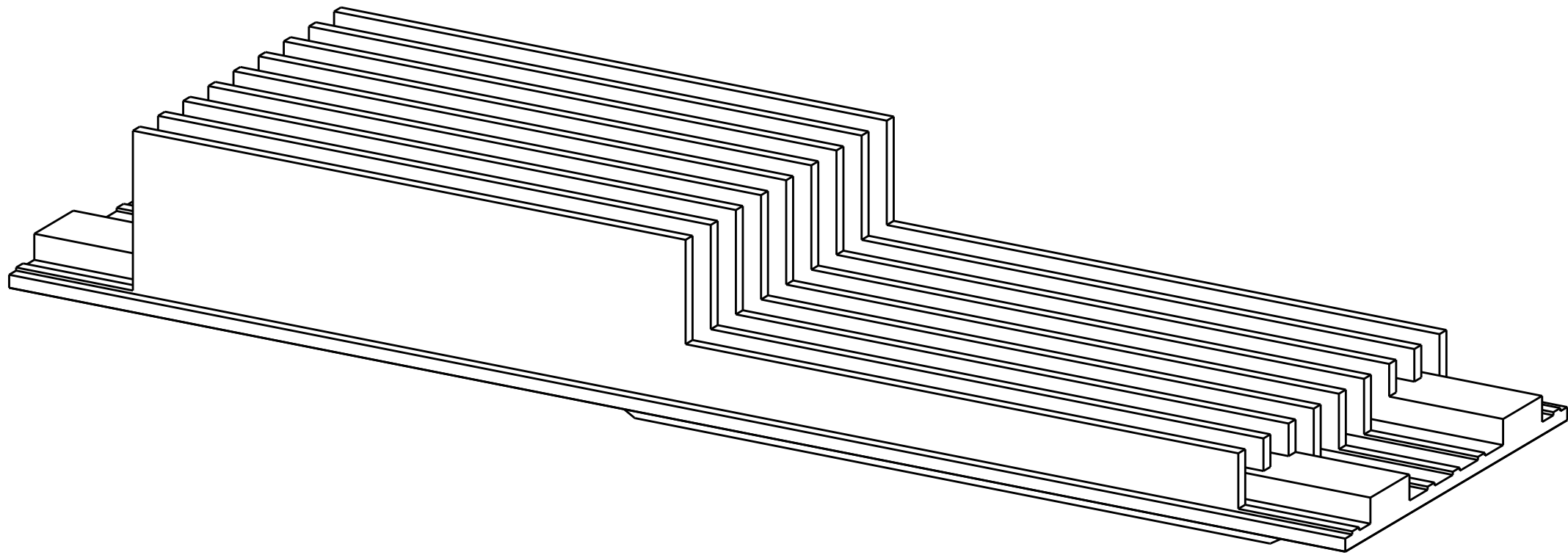
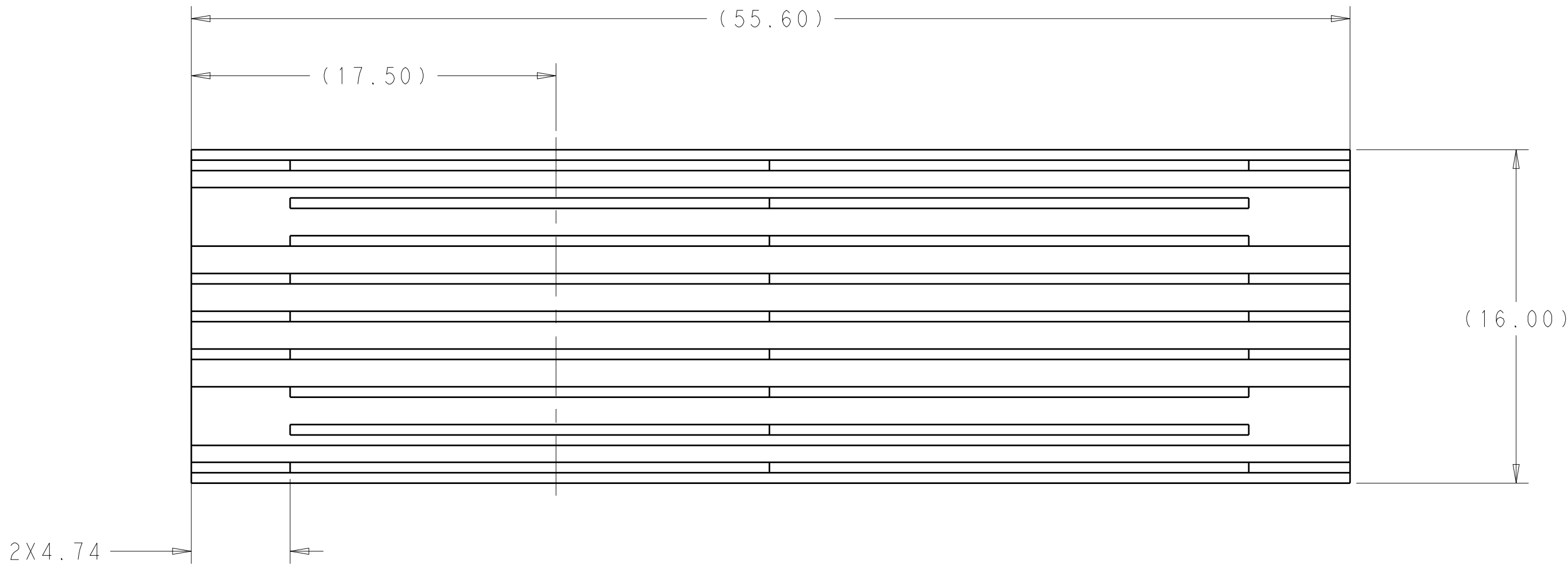
HEAT SINK
PN: 1-2304280-3

CAGE AND CONNECTOR ASSEMBLY
PN: 2299870-4

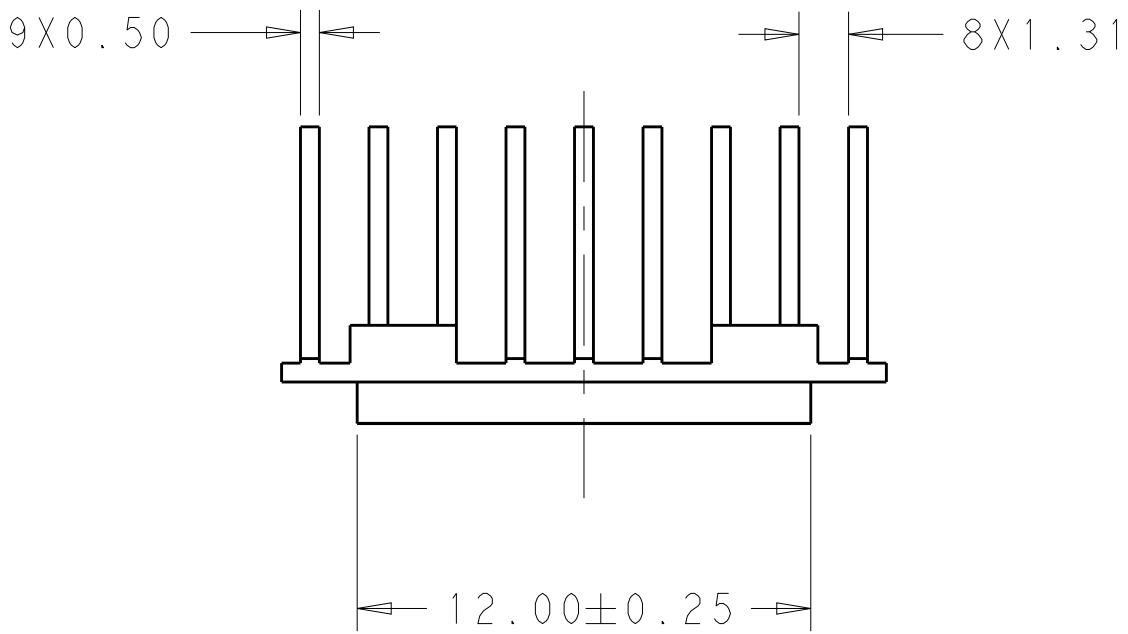
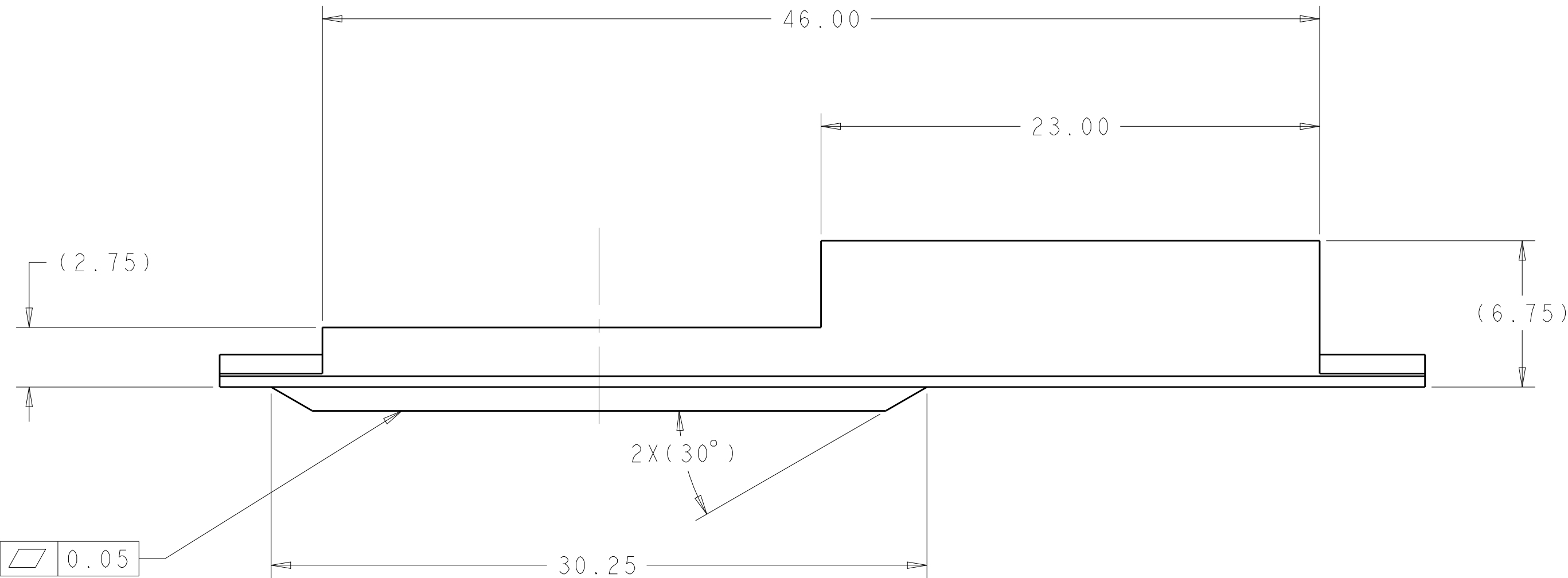
SCALE 4:1

2	1-2300832-7	HEAT SINK CLIP	3
2	1-2304280-3	HEAT SINK	2
1	2299870-4	CAGE AND CONNECTOR ASSEMBLY	1
2299870-3	PART NUMBER	DESCRIPTION	ITEM
THIS DRAWING IS A CONTROLLED DOCUMENT.			
DIMENSIONS:		OWN: TIM XUE 28JAN2016	
mm		CHK: SEAN HAN 28JAN2016	
		APVD: SEAN HAN 28JAN2016	
		NAME: CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS	
		PRODUCT SPEC: 108-60102	
		APPLICATION SPEC: 114-60015	
		SIZE: A1	
		CAGE CODE: 00779	
		DRAWING NO: C=2299870	
		RESTRICTED TO: -	
MATERIAL: SEE NOTE 1		WEIGHT: -	
		CUSTOMER DRAWING	
		SCALE: 4:1	
		SHEET: 3 OF 8	
		REV: B	

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

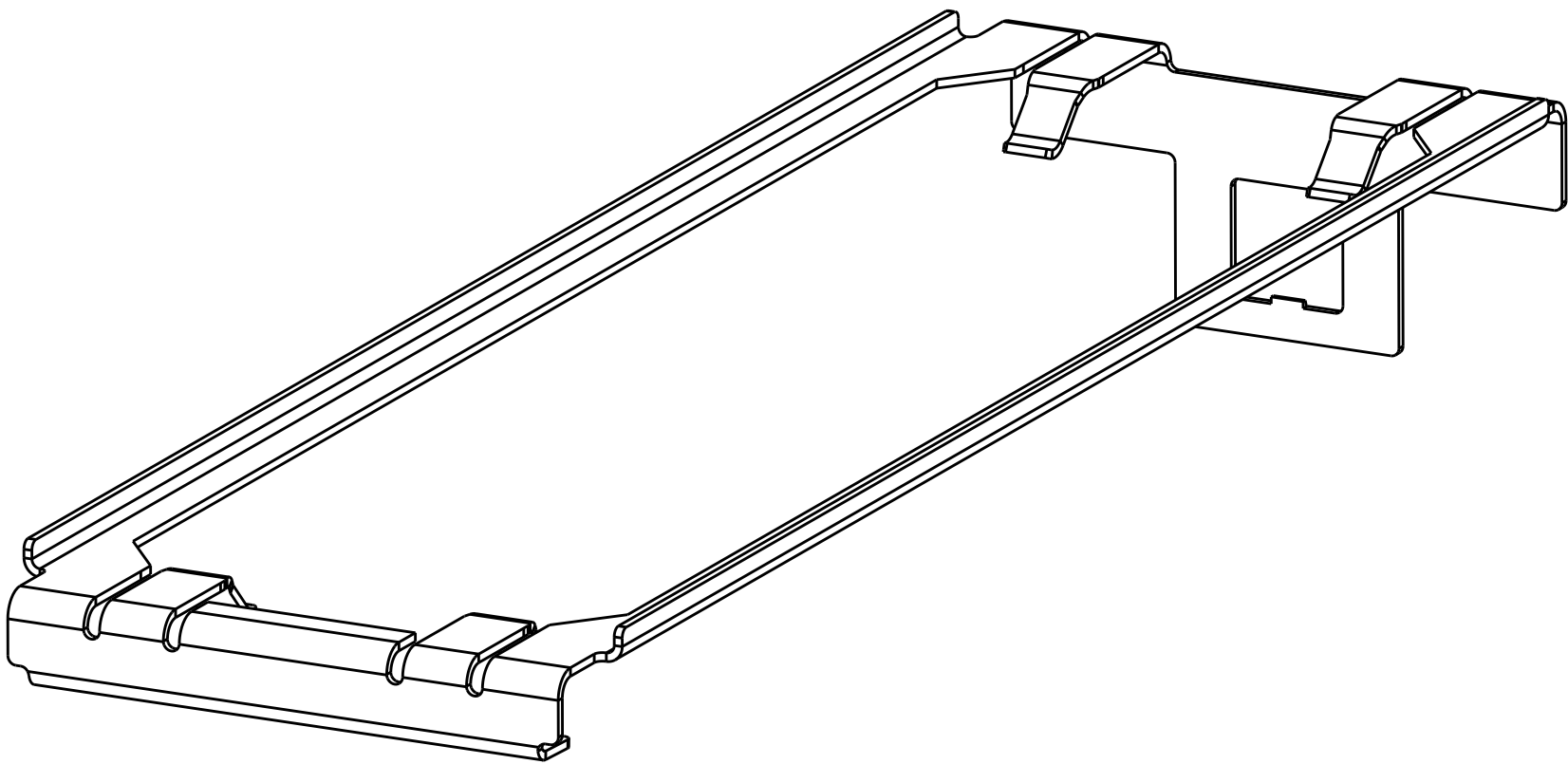
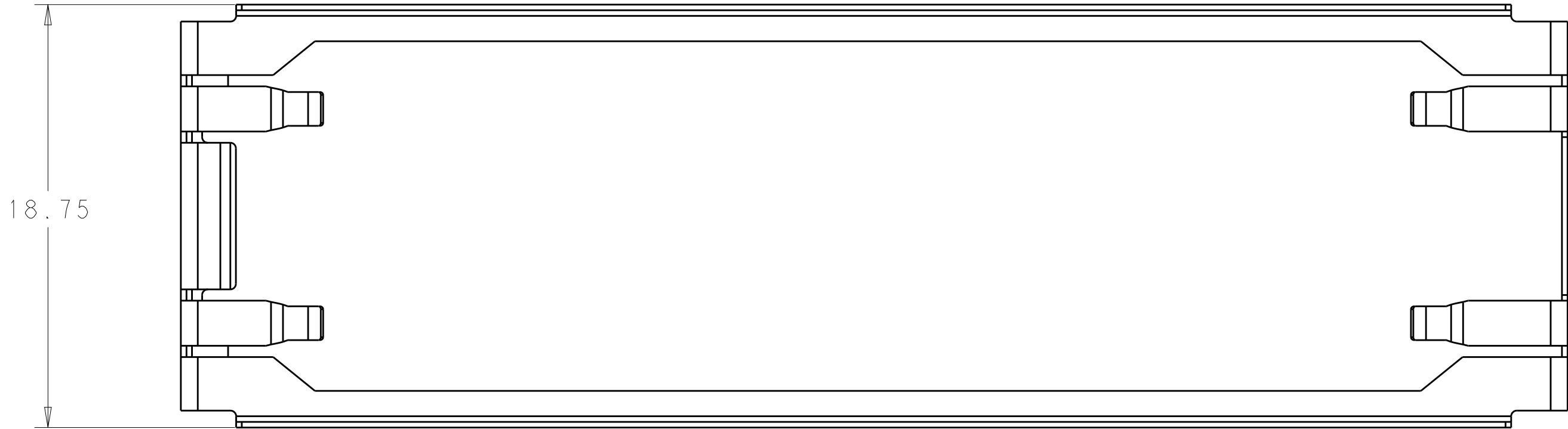


1-2304280-3 HEAT SINK SHOWN
SCALE 5:1

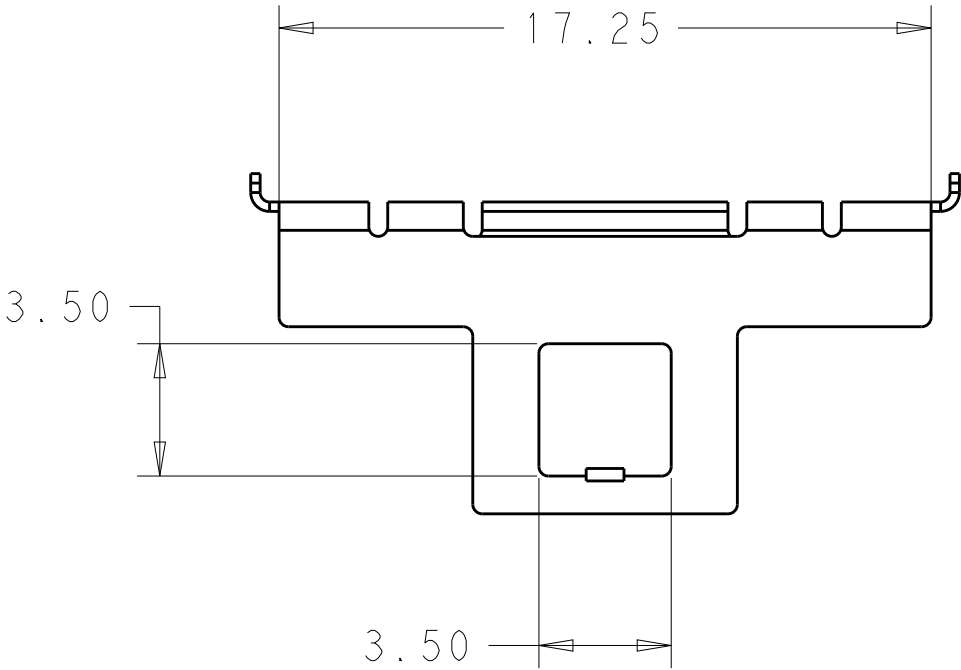
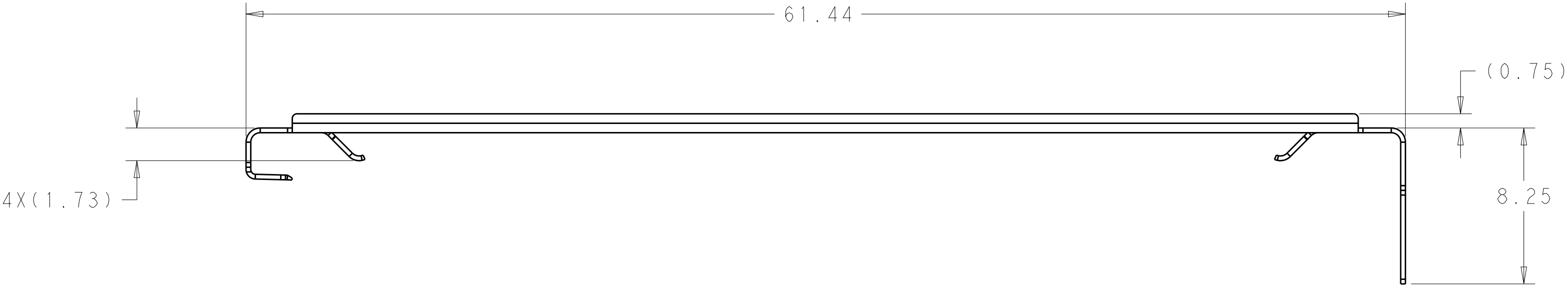


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	28JAN2016		 TE Connectivity					
				CHK	28JAN2016							
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	28JAN2016		NAME					
mm		0 PLC ±0.25 1 PLC ±0.15 2 PLC ±0.15 3 PLC ±0.15 4 PLC ±0.15		SEAN HAN		CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS						
		ANGLES FINISH		PRODUCT SPEC								
				APPLICATION SPEC								
MATERIAL				114-60015			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
SEE NOTE 1		SEE NOTE 2		WEIGHT		A1		00779	C=2299870	-		
CUSTOMER DRAWING						SCALE		4:1	SHEET	4 of 8	REV	B

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

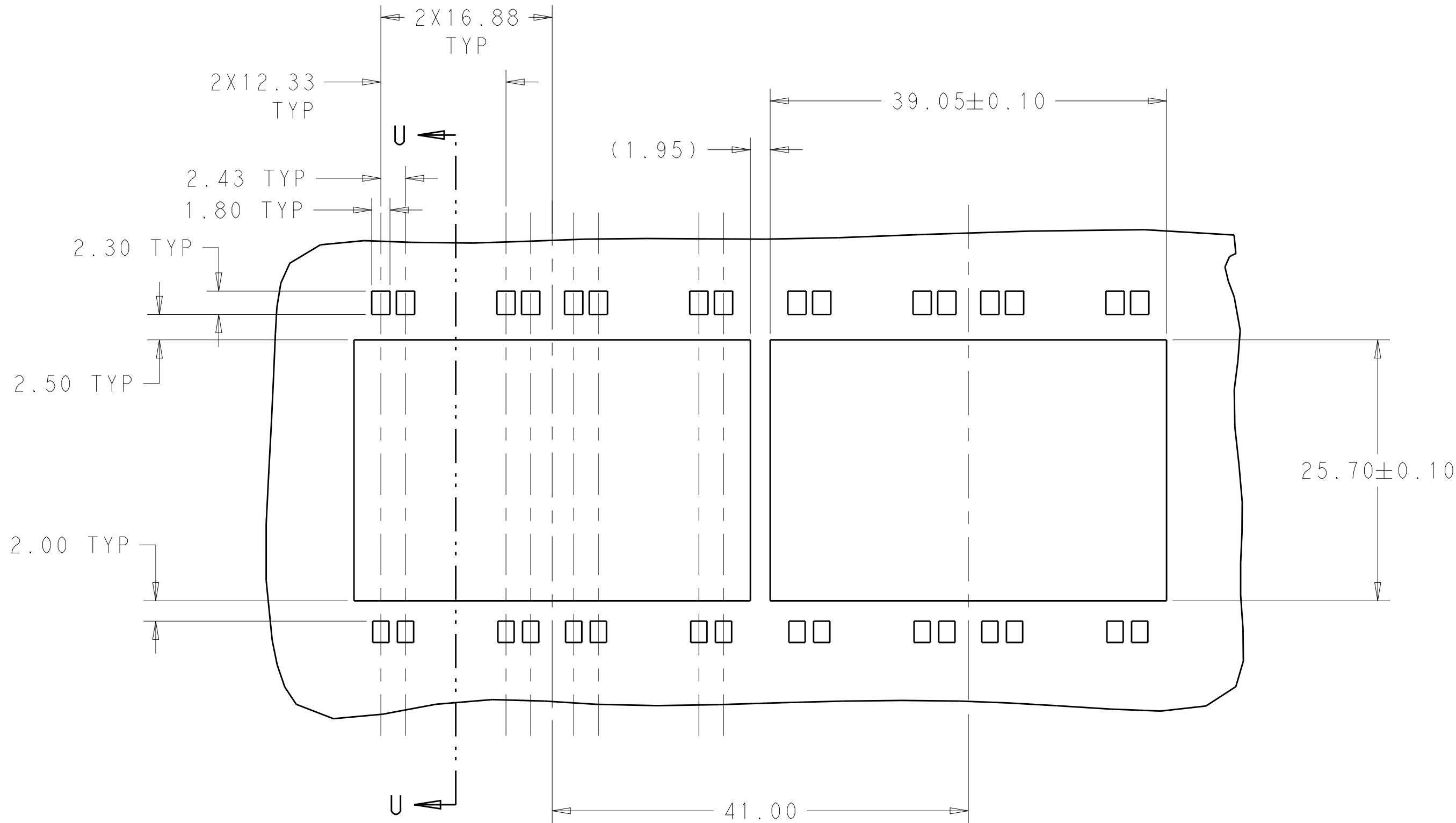


1-2300832-7, HEAT SINK CLIP
SCALE 5:1

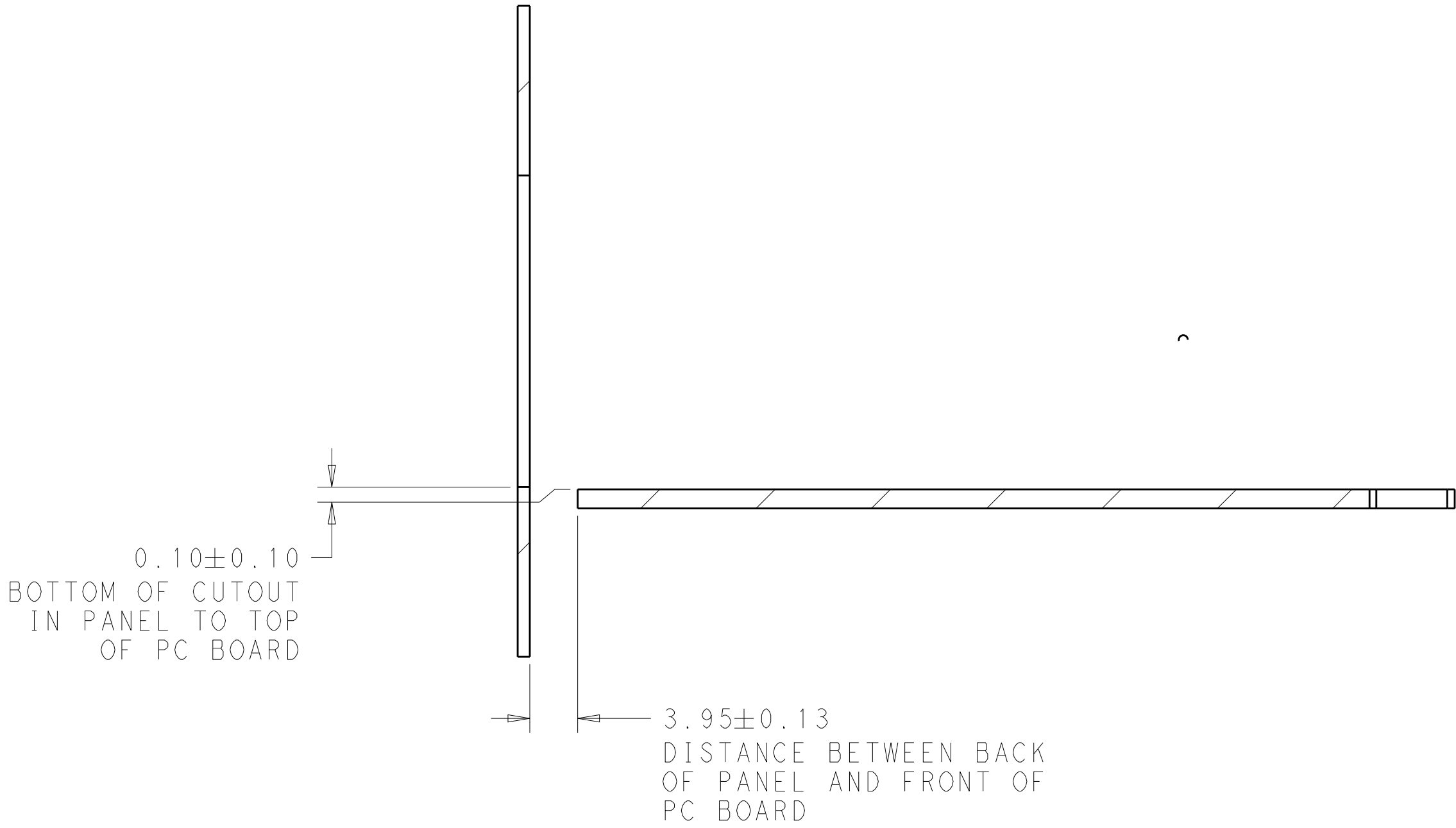


THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN	TIM XUE	28JAN2016	 TE Connectivity						
			CHK	SEAN HAN	28JAN2016							
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.25 2 PLC ±0.15 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1 FINISH	APVD	SEAN HAN	28JAN2016	NAME	CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS					
mm			PRODUCT SPEC									
			108-60102									
			APPLICATION SPEC									
MATERIAL			114-60015			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
SEE NOTE 1			SEE NOTE 2			A1	00779	C=2299870	-			
CUSTOMER DRAWING					SCALE	4:1	SHEET	5	OF	8	REV	B

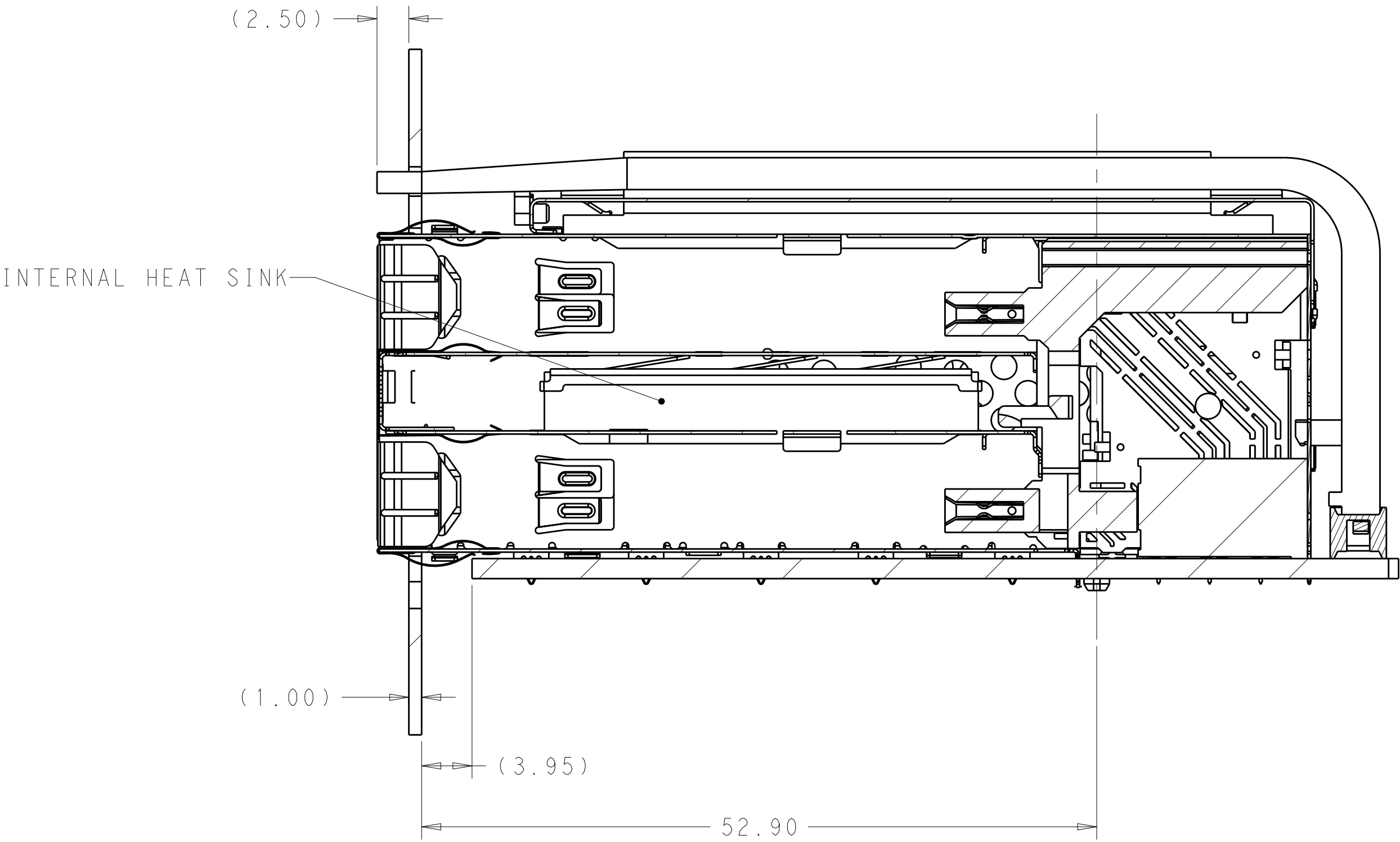
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
GP	00	-	-	SEE SHEET 1	-	-



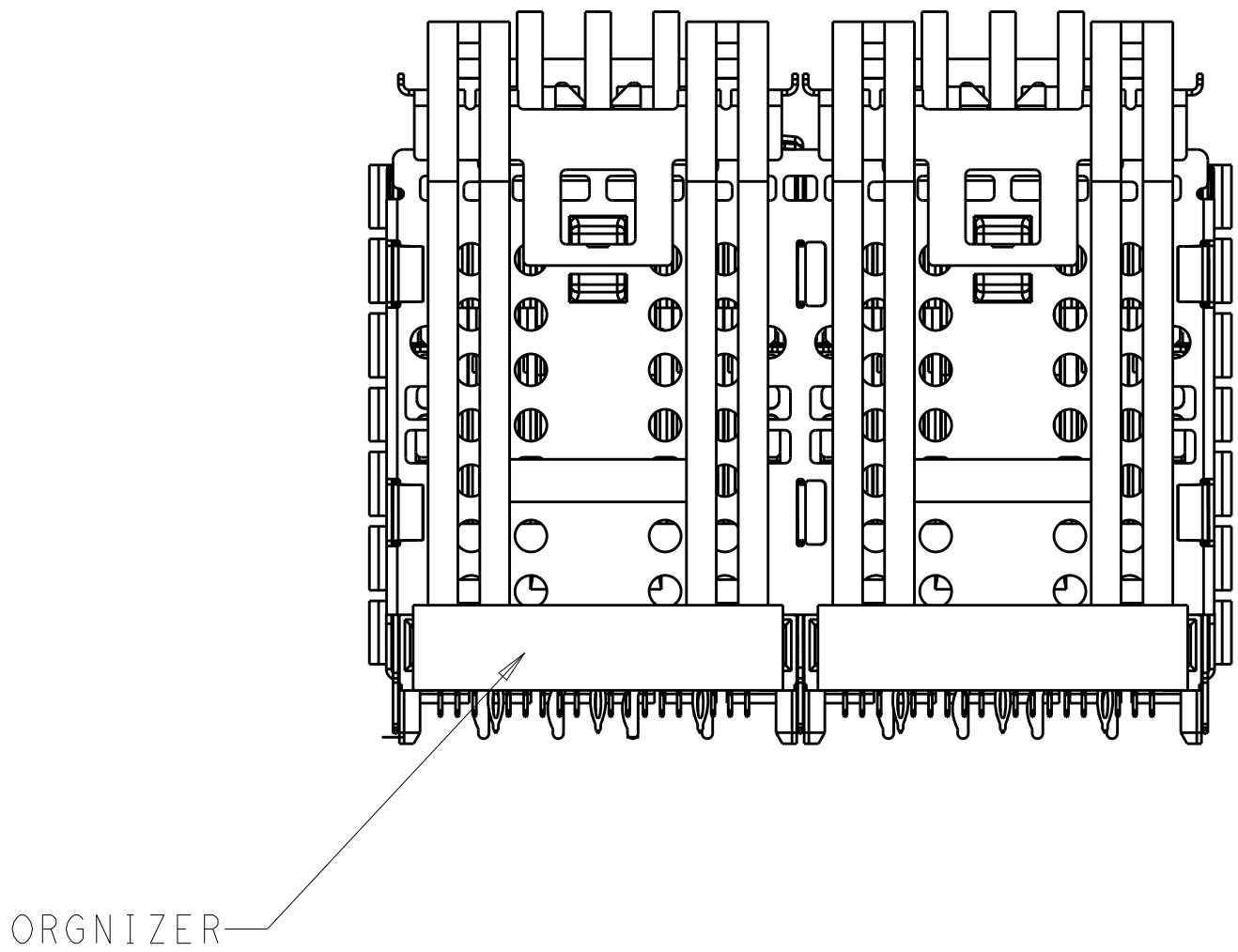
RECOMMENDED PANEL CUTOUT
AND PC BOARD PANEL POSITION
SCALE 5:2

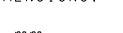


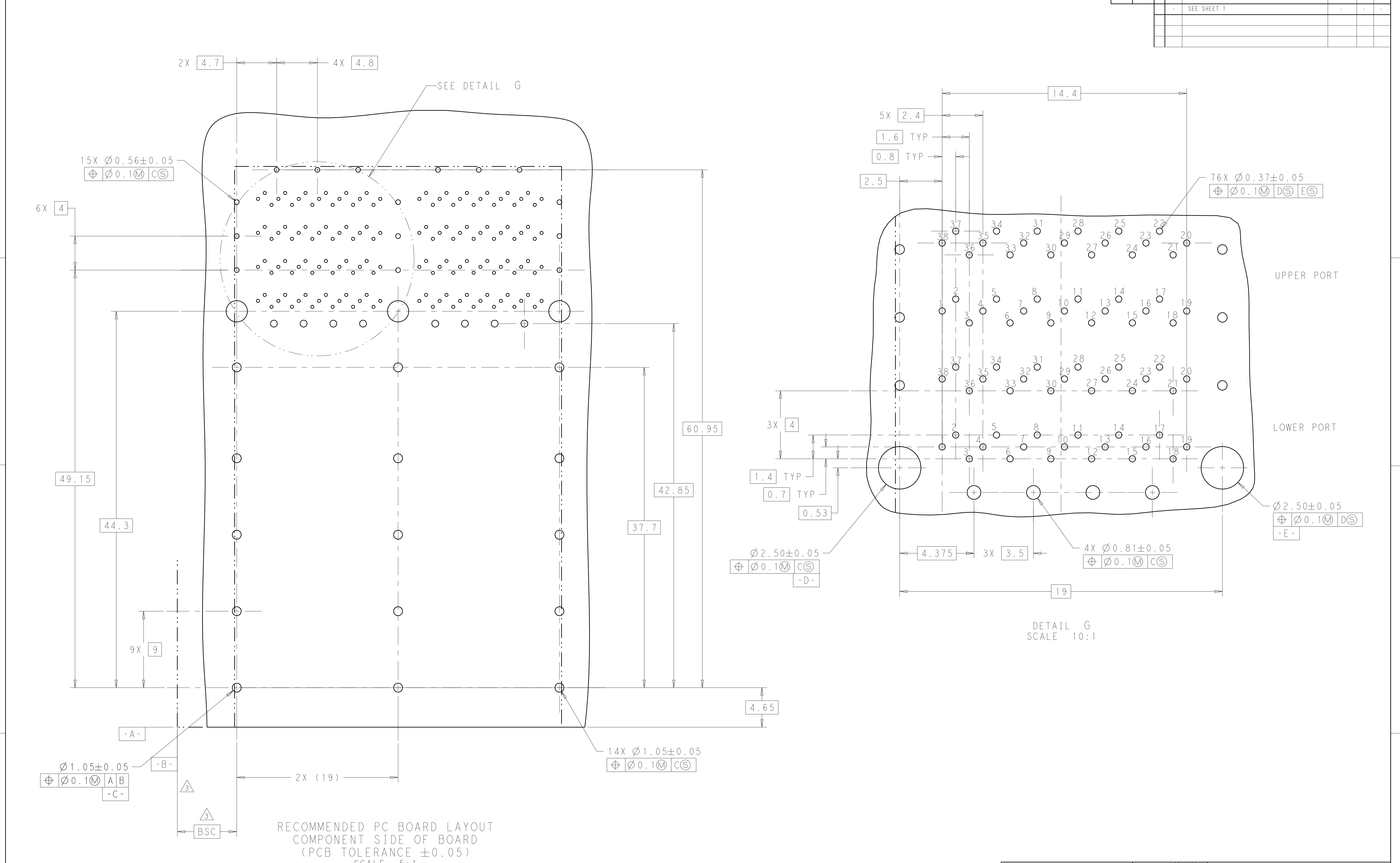
SECTION U-U

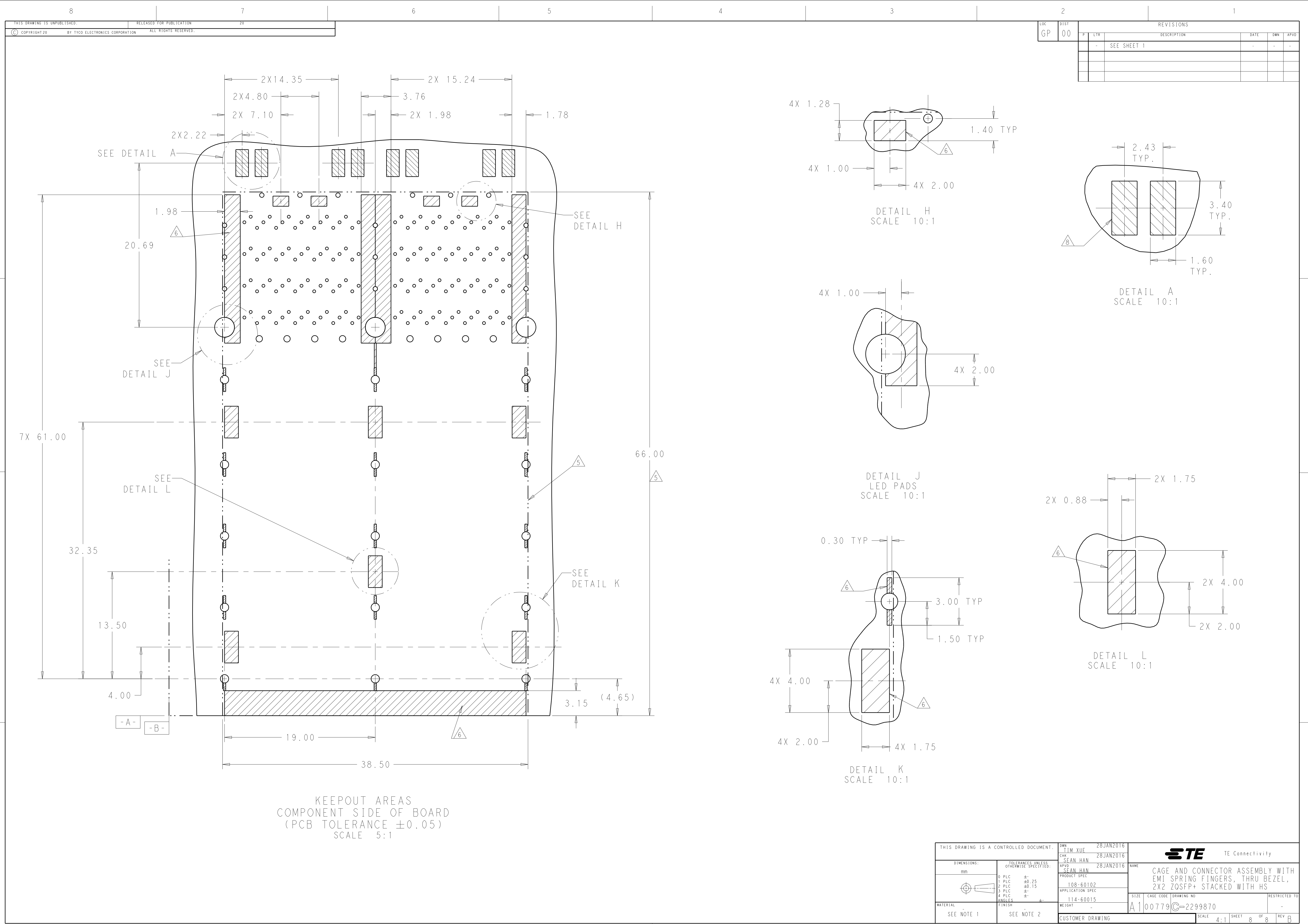


2299870-1 BEZEL LOCATION AS SHOWN
SECTION V-V
SCALE 3:1

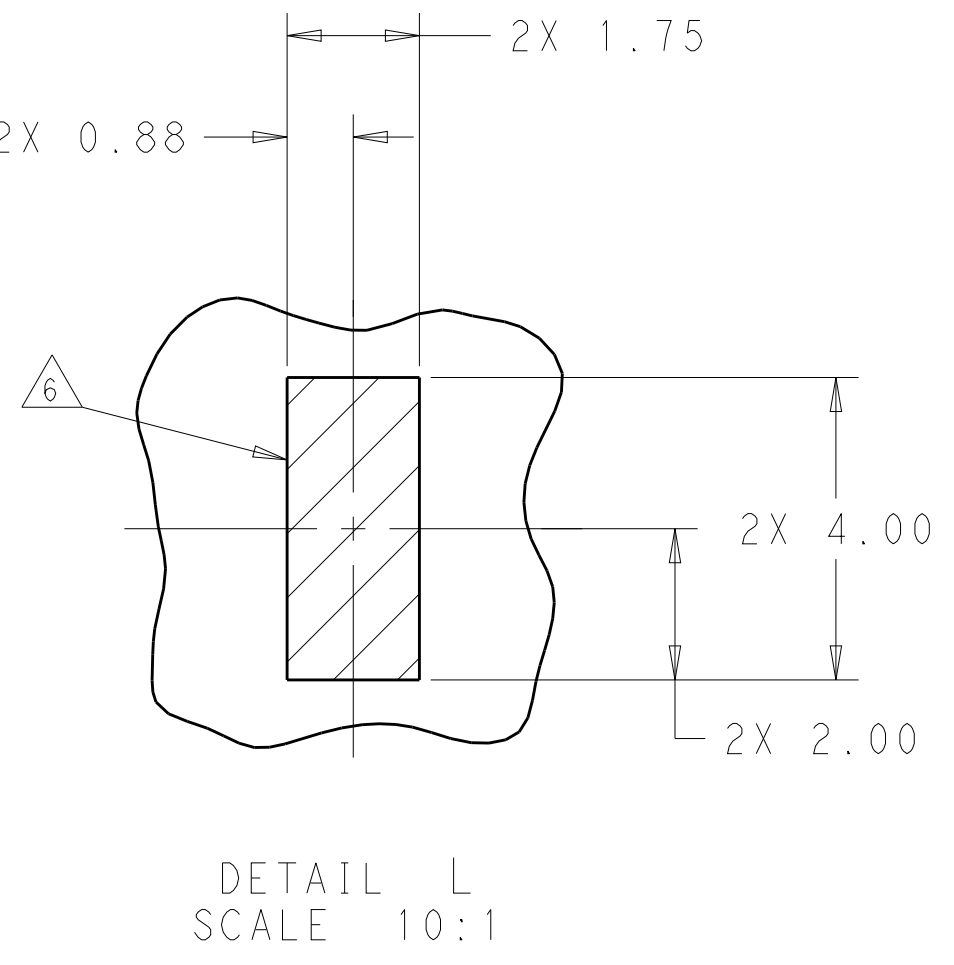
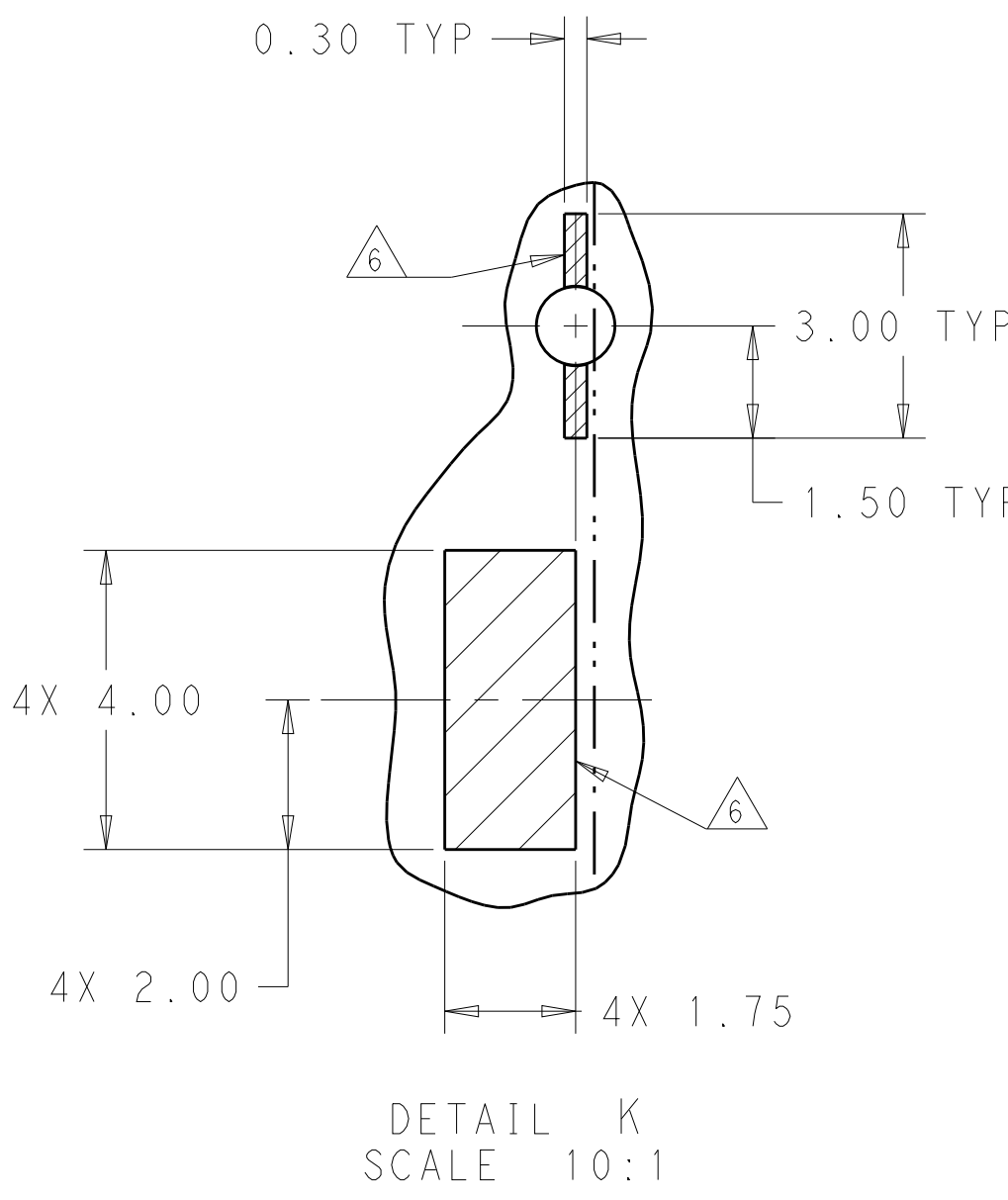
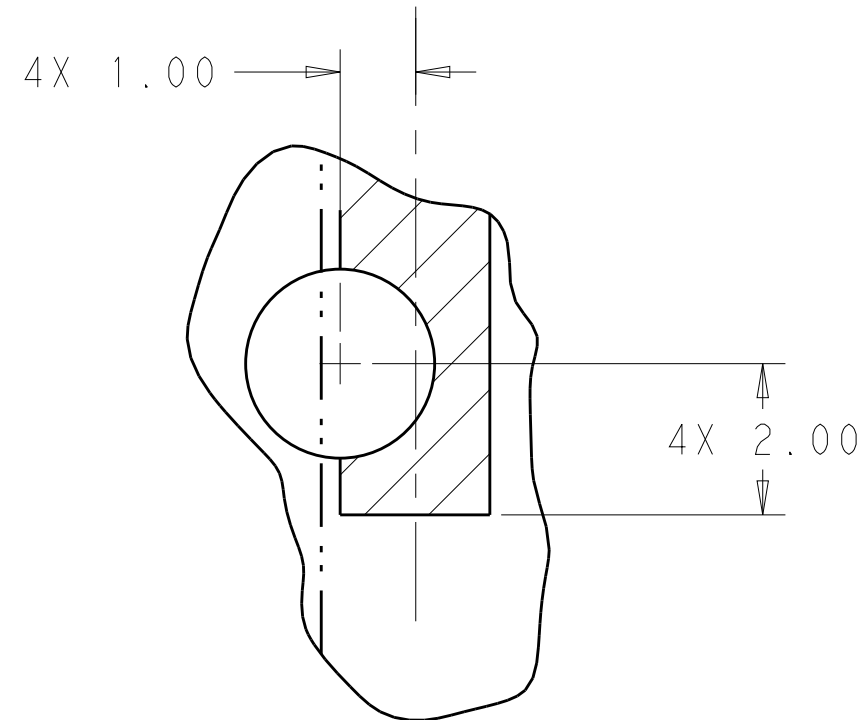
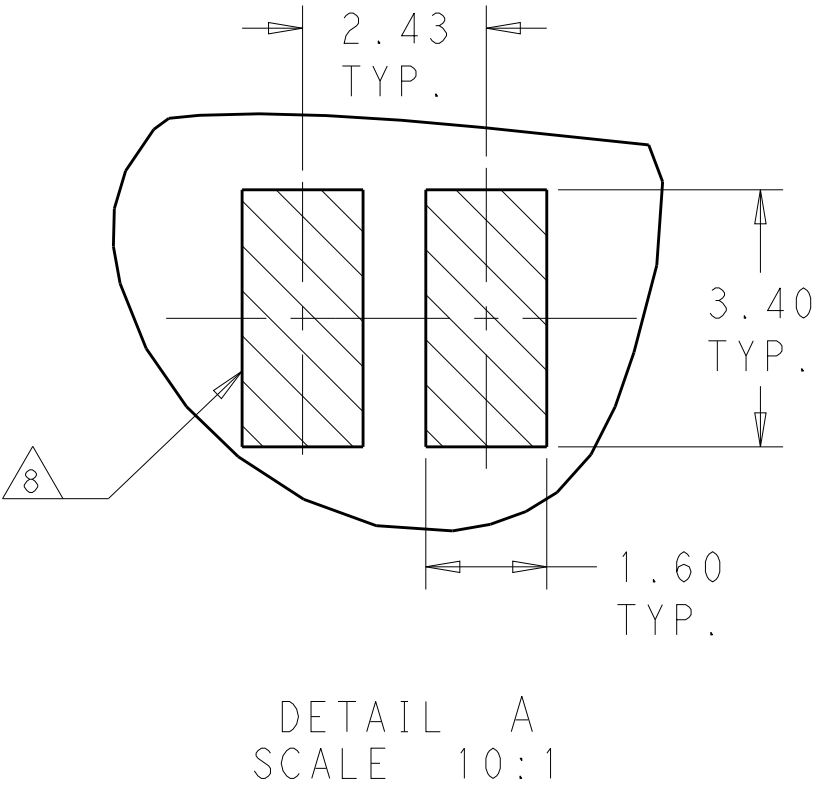
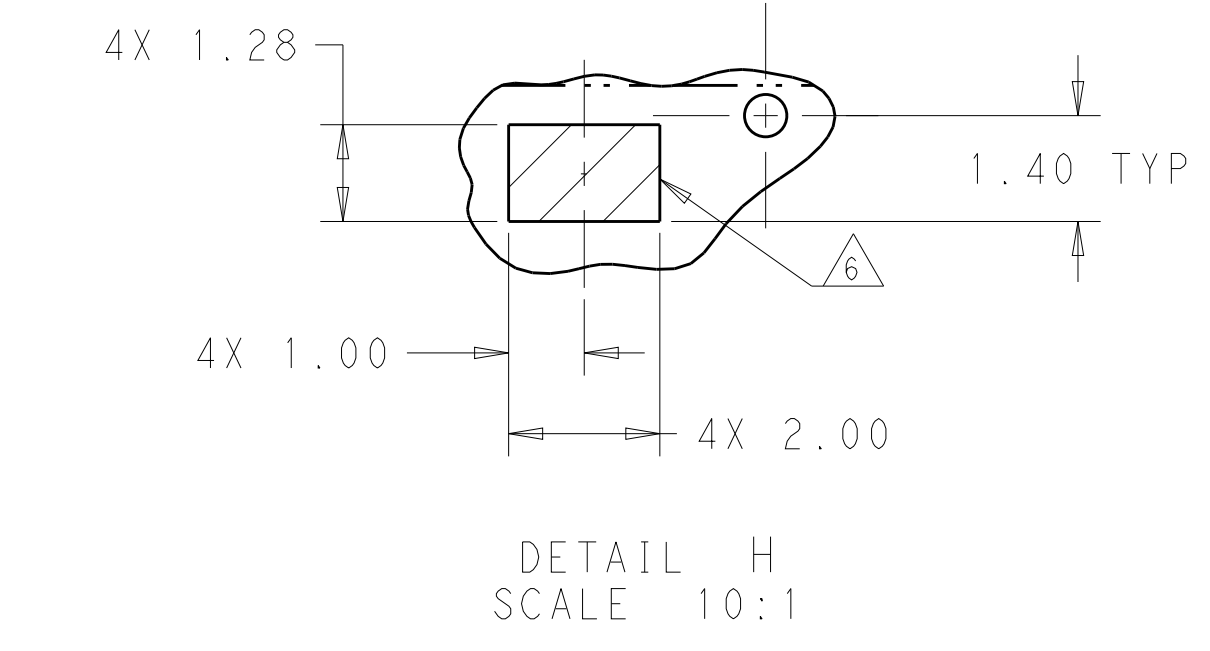


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE	28JAN2016	 TE Connectivity	
		CHK SEAN HAN	28JAN2016		
DIMENSIONS:		APVD SEAN HAN	28JAN2016	NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS	
mm		PRODUCT SPEC			
		108-60102		SIZE A100779C=2299870	
		APPLICATION SPEC			
		114-60015			
		WEIGHT -			
MATERIAL		CUSTOMER DRAWING		RESTRICTED TO	
SEE NOTE 1	SEE NOTE 2			SCALE 4:1 SHEET 6 OF 8 REV B	

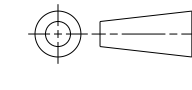




LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



KEEPOUT AREAS
COMPONENT SIDE OF BOARD
(PCB TOLERANCE ±0.05)
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	 TE Connectivity	
DIMENSIONS:		CHK SEAN HAN 28JAN2016		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD SEAN HAN 28JAN2016	NAME	
	0 PLC	±	PRODUCT SPEC	
	1 PLC	±0.25	108-60102	
	2 PLC	±0.15	APPLICATION SPEC	
	3 PLC	±	114-60015	
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE
SEE NOTE 1	SEE NOTE 2	-	A100779	C=2299870
CUSTOMER DRAWING		SCALE	4:1	SHEET 8 OF 8
		REV	B	

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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