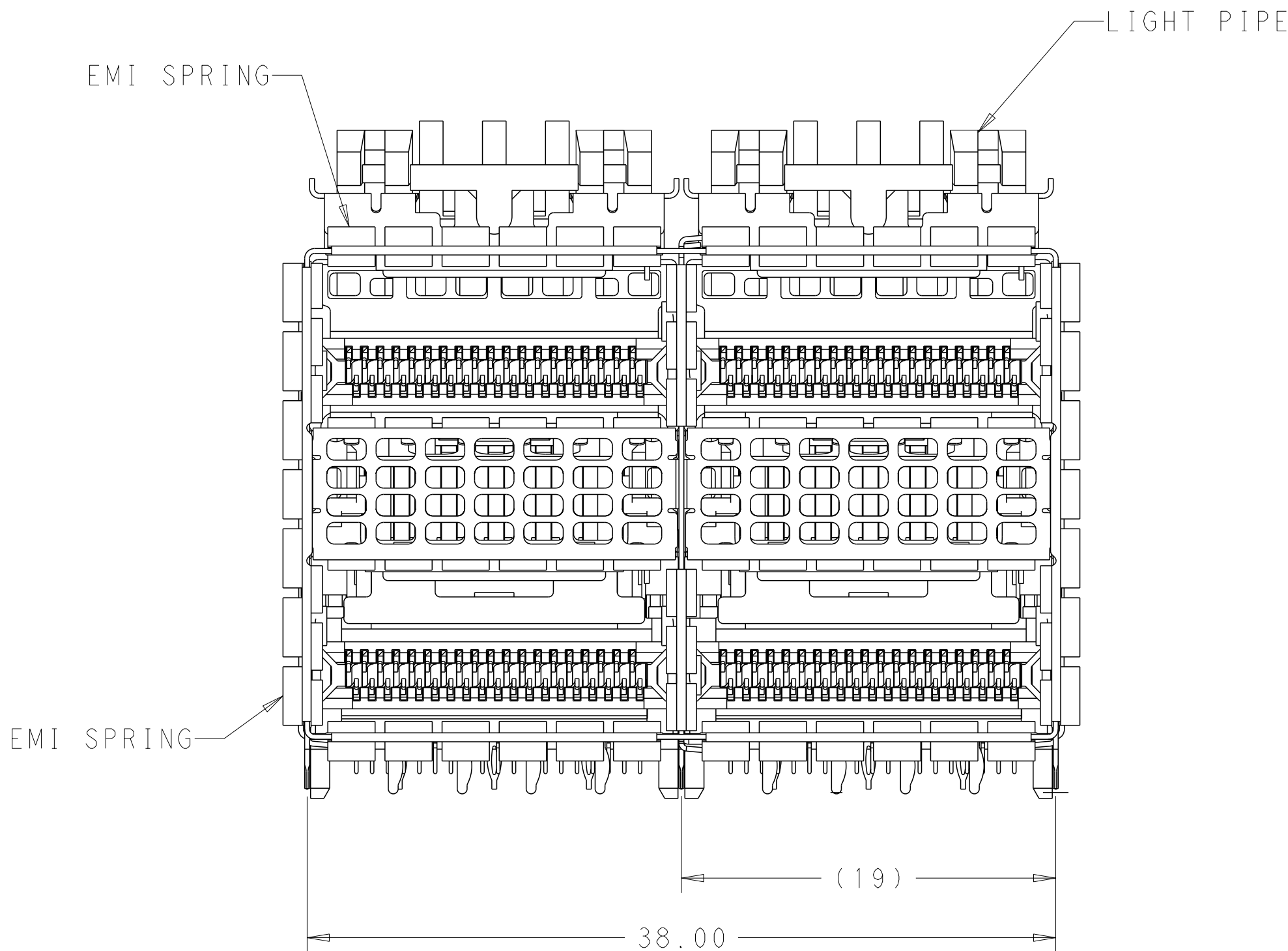
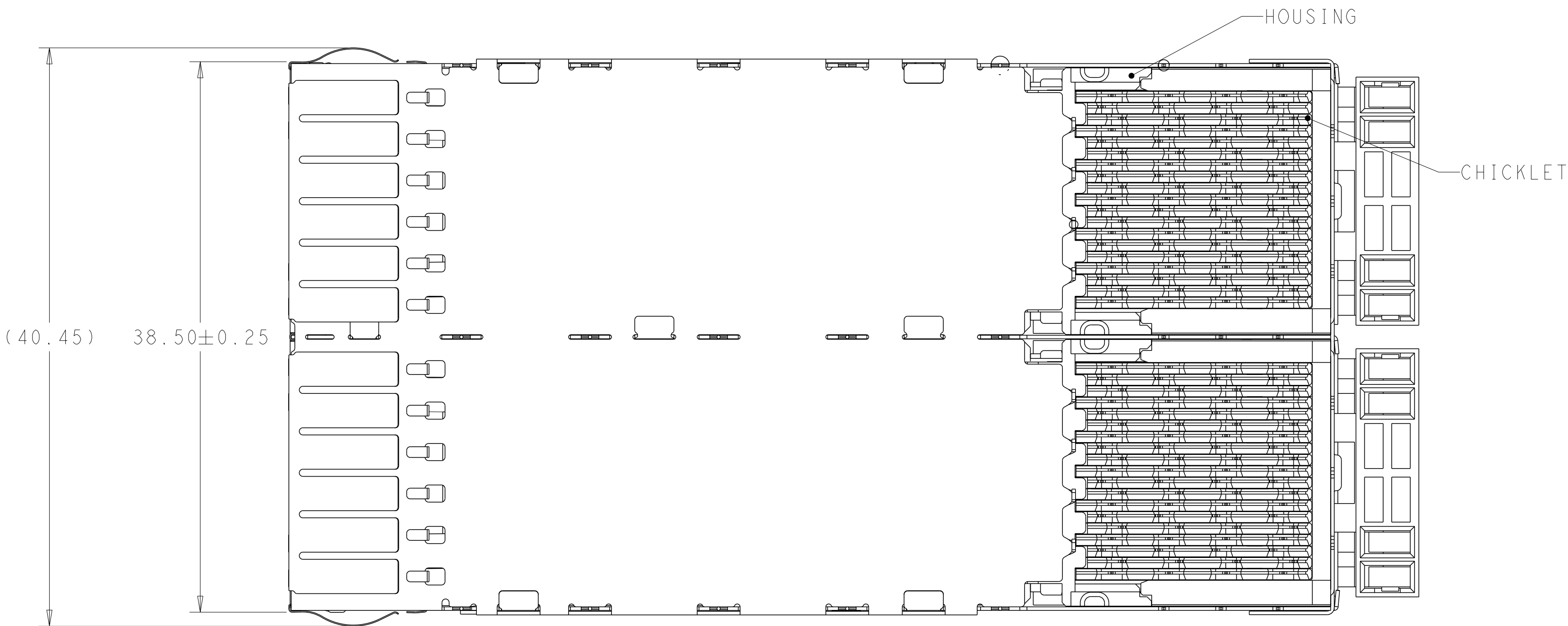
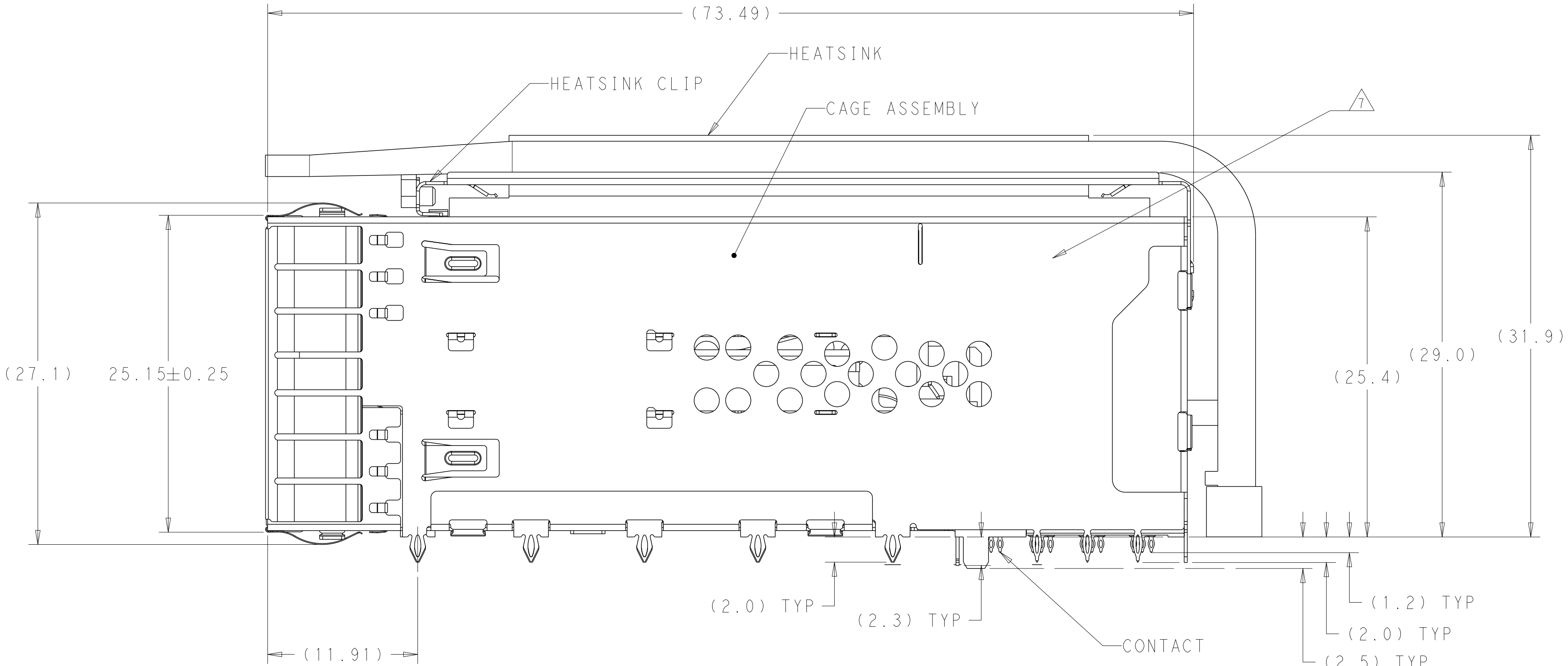


LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			1	PRELIMINARY RELEASE	28JAN2016	TX	SH
			2	REVISED THE HEAT SINK DESIGN	13SEP2016	TX	SH
			3	MODIFY HS	27OCT2016	LL	SH
			4	ADDED COMPONENTS DRAWING	09NOV2016	LL	SH



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 END, 1.25µm MATT TIN ON SOLDER TAIL, 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 END, 1.25µm MATT TIN ON SOLDER TAIL, ALL OVER 1.27µm NICKEL.



DESIGN APPROVED THIS PRINT IS
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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	DESCRIPTION	PART NUMBER

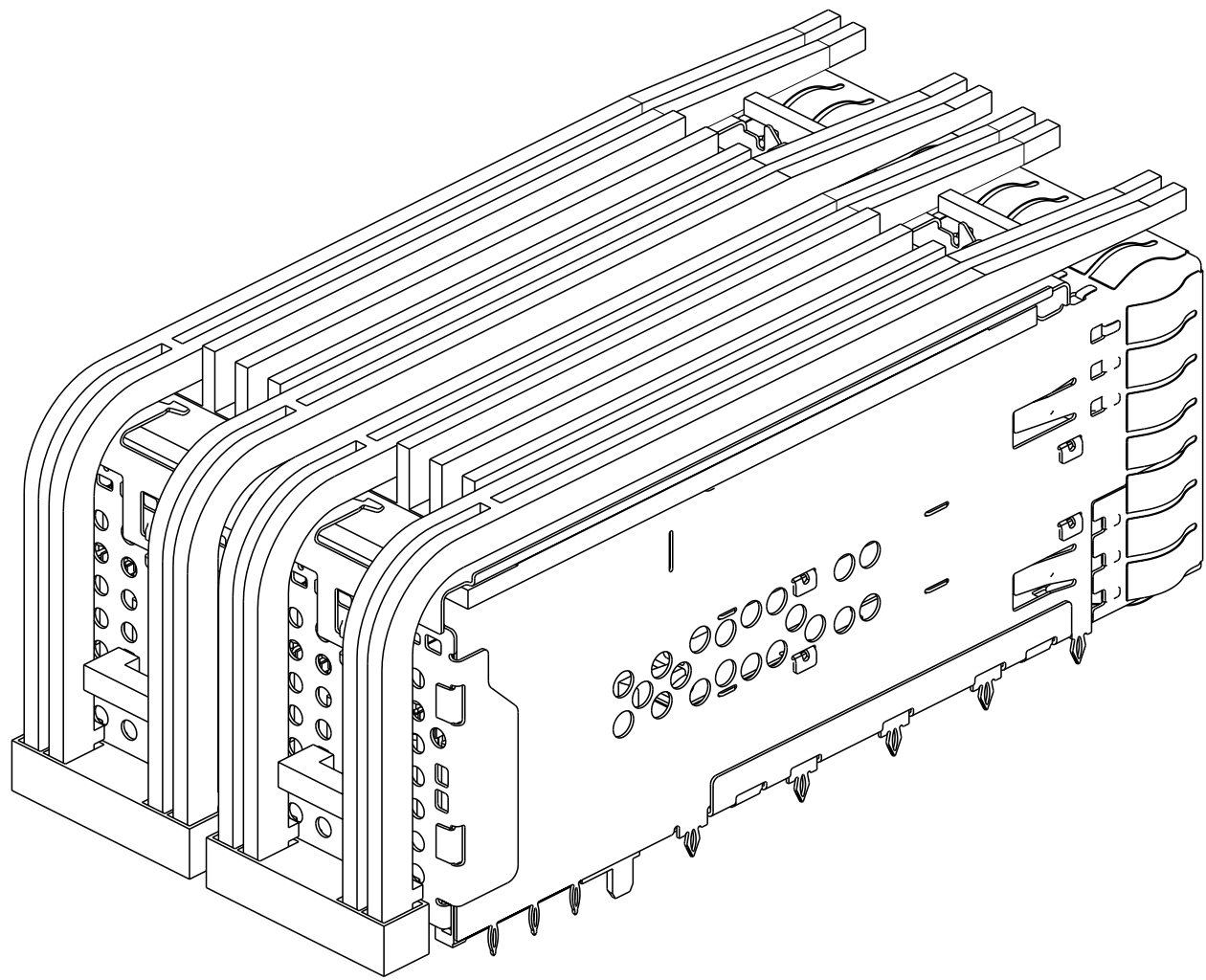
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TIM XUF	28JAN2016
DIMENSIONS:		CHK	SEAN HAN	28JAN2016
mm		APVD		
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
		0 PLC ±		
		1 PLC ±0.25		
		2 PLC ±0.15		
		3 PLC ±		
		4 PLC ±		
		ANGLES ±		
		FINISH		
MATERIAL		PRODUCT SPEC		
SEE NOTE 1		108-60102		
		APPLICATION SPEC		
SEE NOTE 2		114-60015		
		WEIGHT		
		CUSTOMER DRAWING		
		SCALE 4:1		
		SHEET 1 OF 8		
		REV 4		

PRELIMINARY

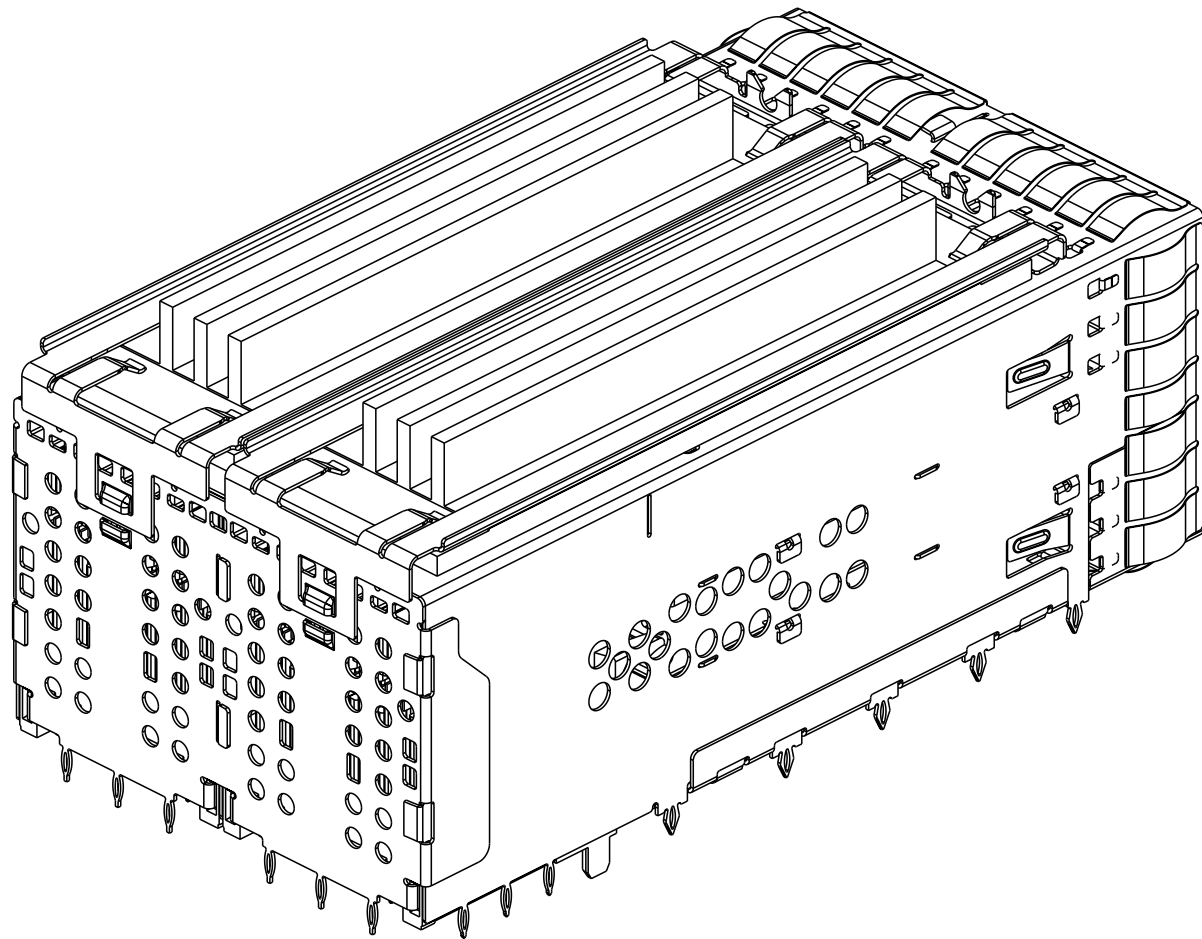
STE TE Connectivity

CAGE AND CONNECTOR ASSEMBLY WITH
EMI SPRING FINGERS, THRU BEZEL,
2X2 ZQSP+ STACKED WITH HS

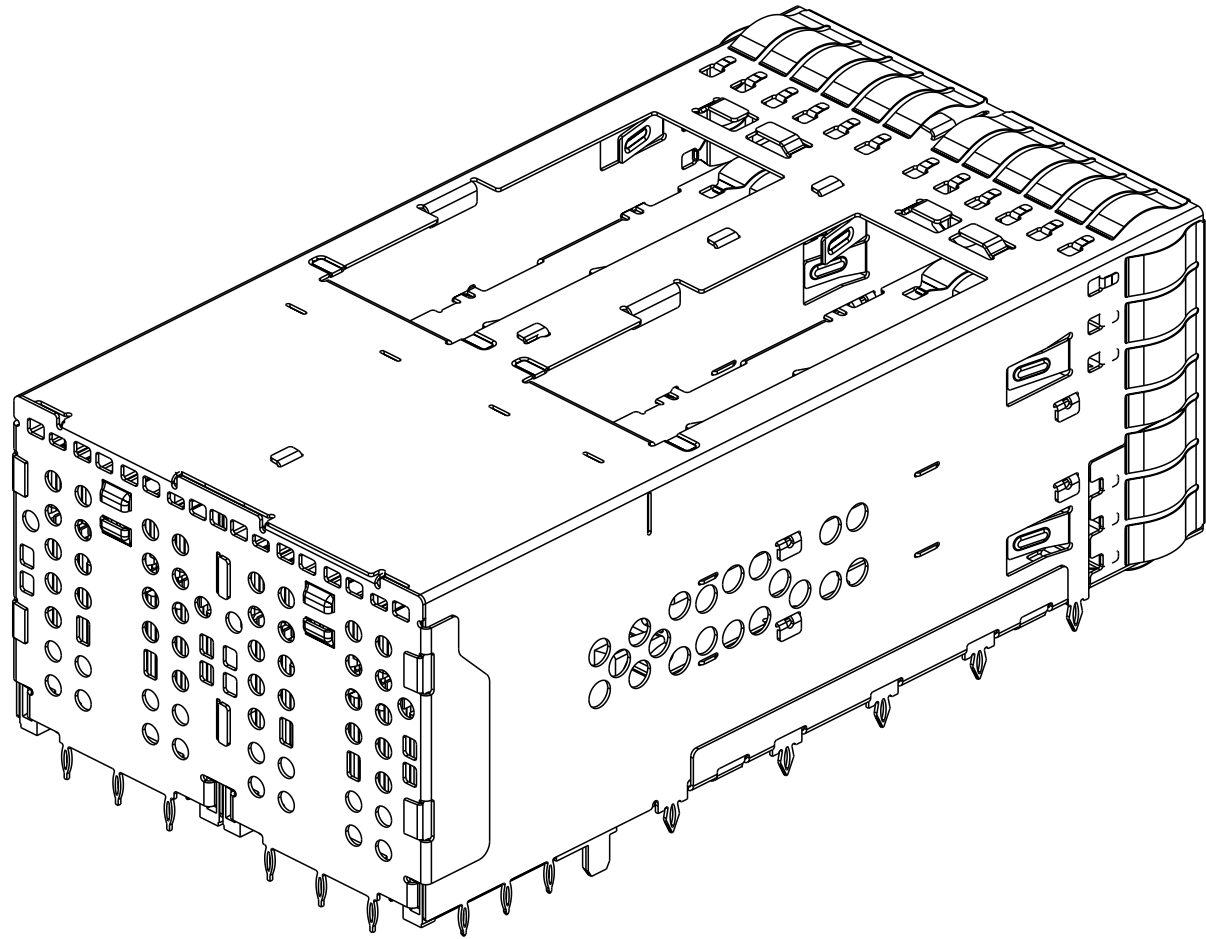
LOC	DIST	REVISIONS					
		P	LYR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



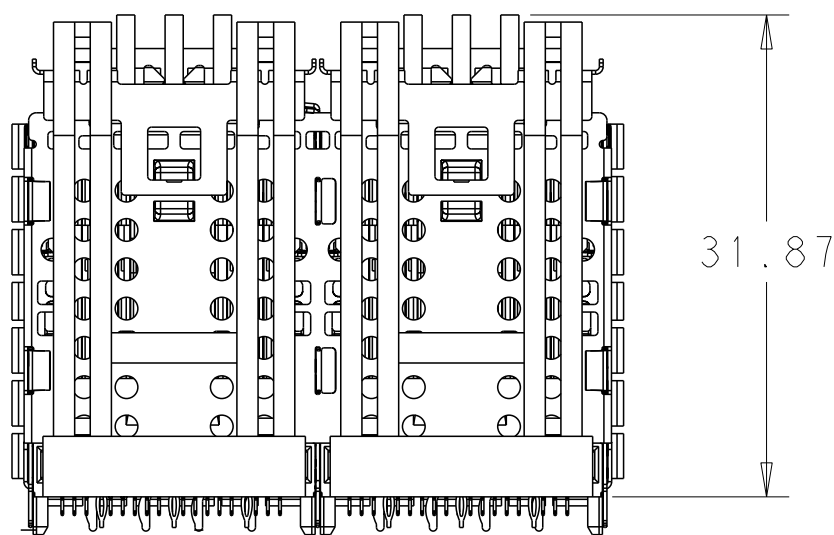
2299870-1 AS SHOWN
SCALE 2:1



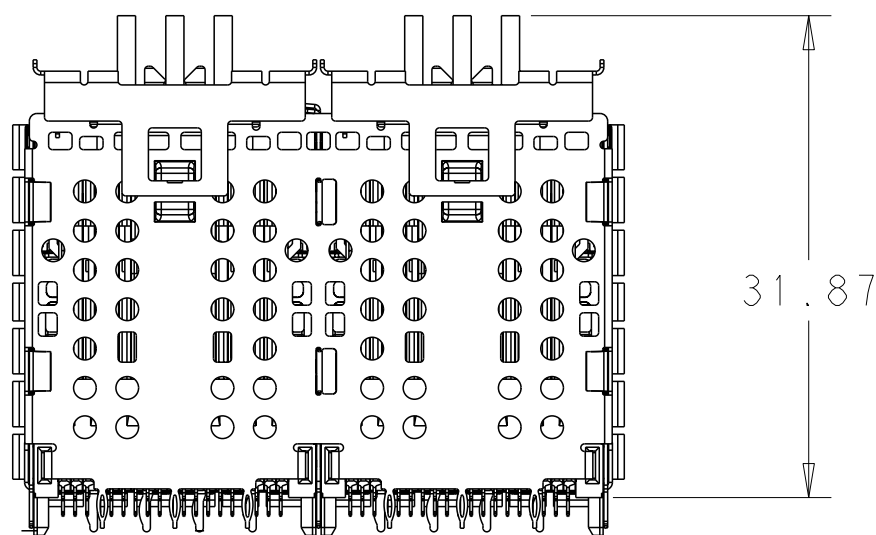
2299870-2 AS SHOWN
SAME AS 2299870-1 EXCEPT
W/O LEGHT PIPE AND ORGANIZER
SCALE 2:1



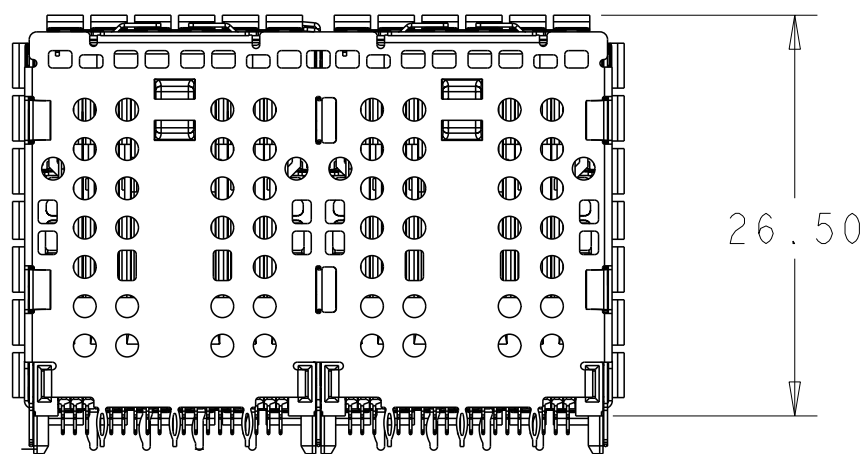
2299870-4 AS SHOWN
SAME AS 2299870-2 EXCEPT
W/O EXTERNAL HEAT SINK AND LP
SCALE 2:1



2299870-1
SCALE 2:1



2299870-2
SCALE 2:1



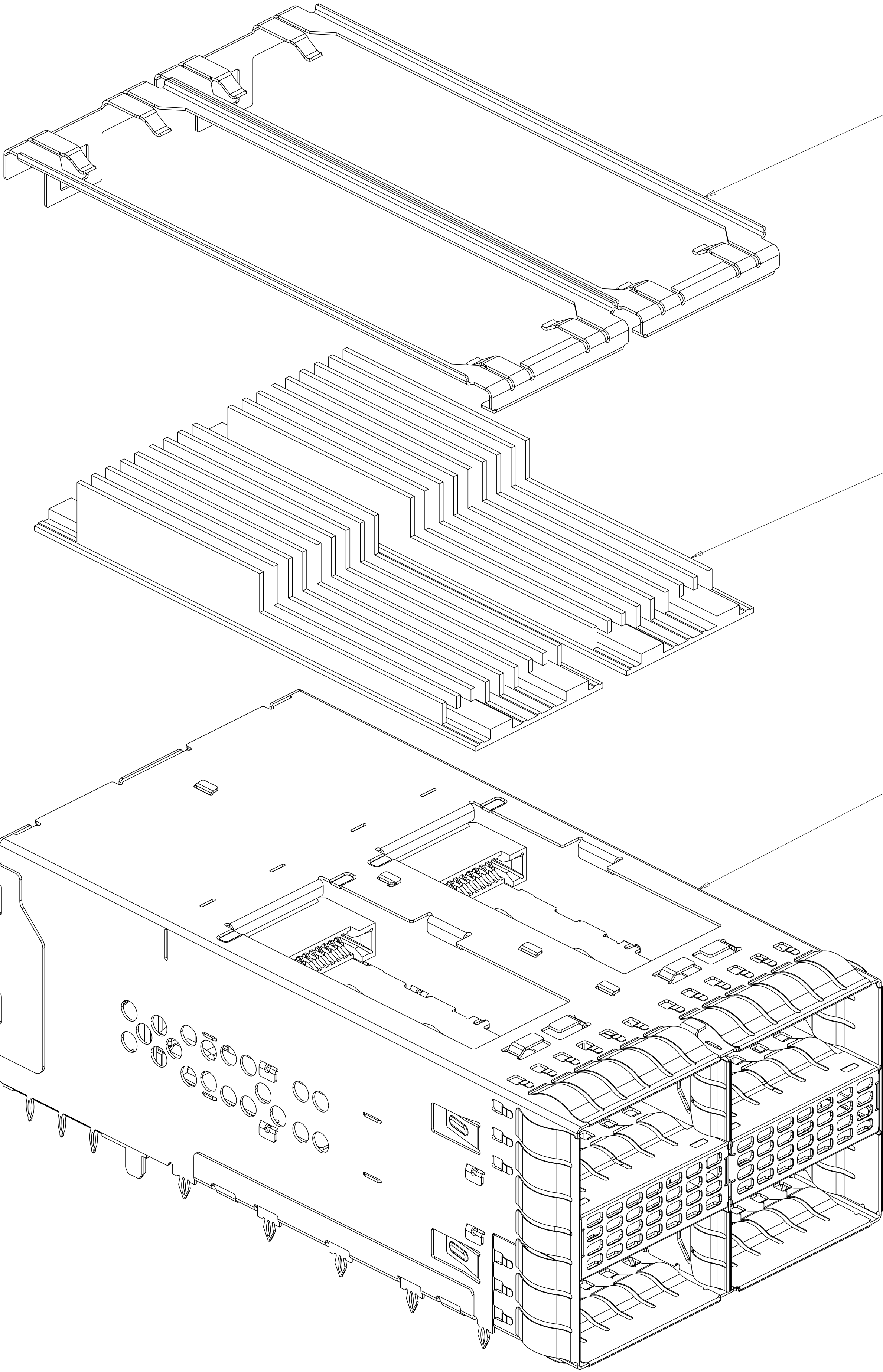
2299870-4
SCALE 2:1

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

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

2299870-3 AS SHOWN, KIT PACKAGE



HEAT SINK CLIP
PN: 1-2300832-7

HEAT SINK
PN: 1-2304280-3

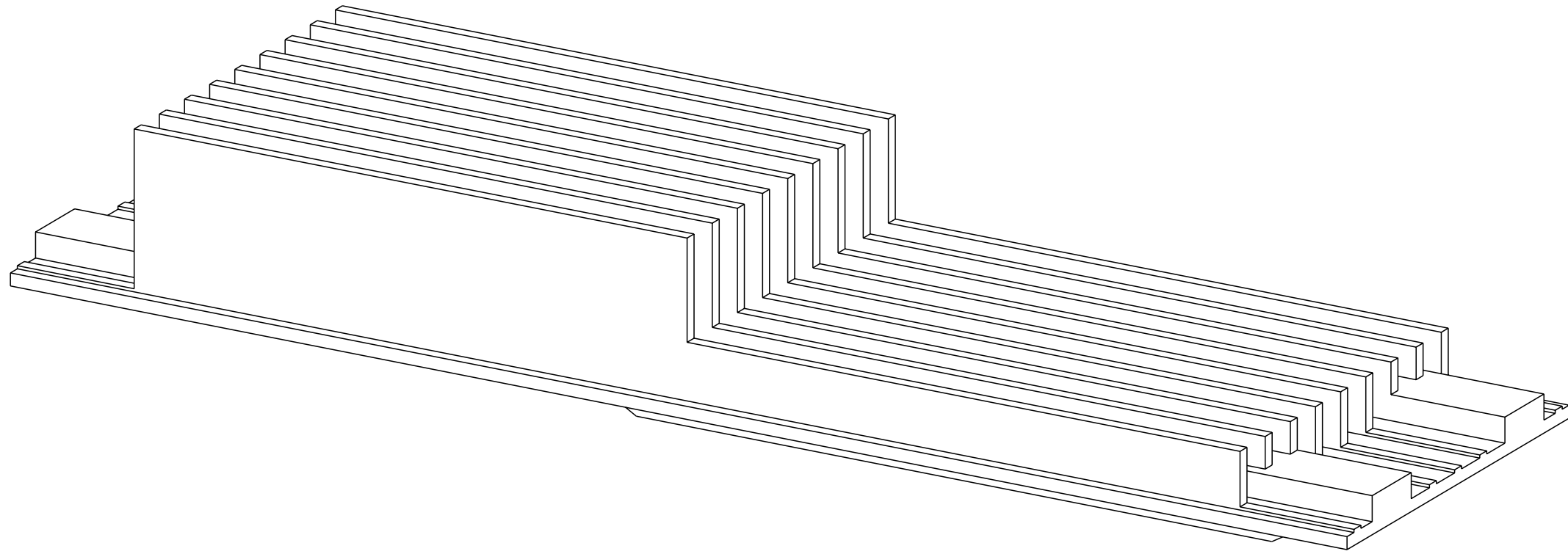
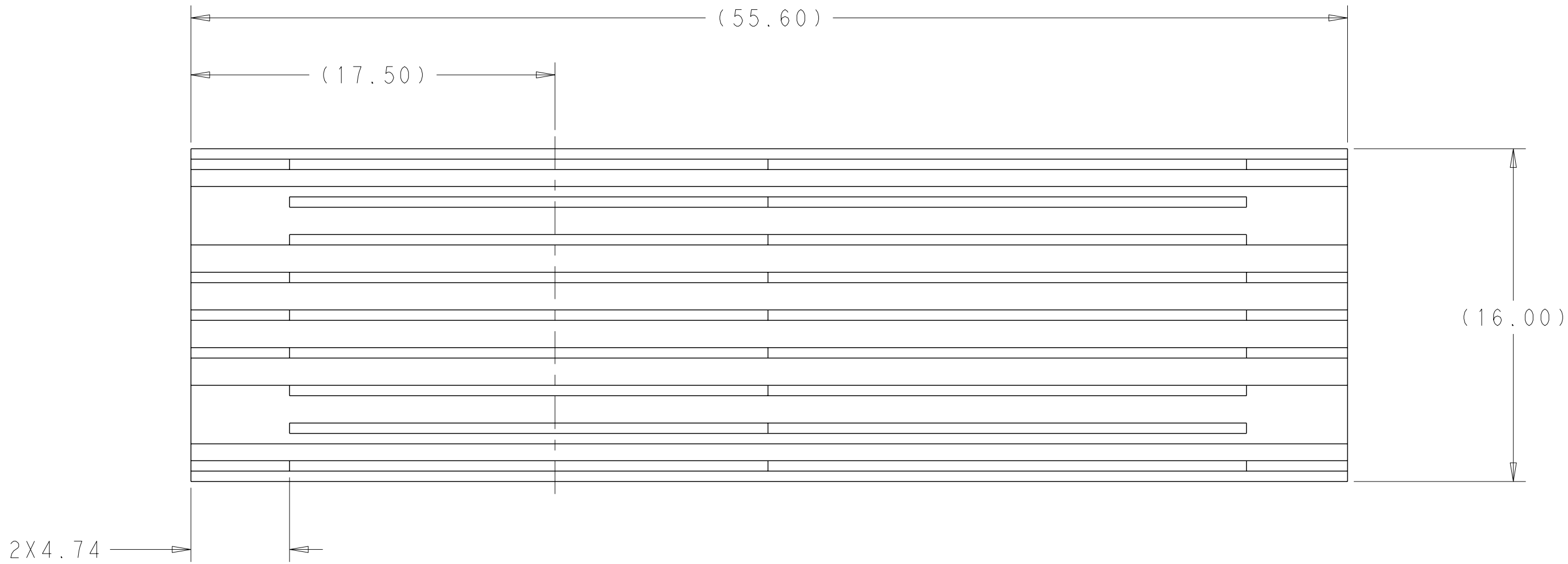
CAGE AND CONNECTOR ASSEMBLY
PN: 2299870-4

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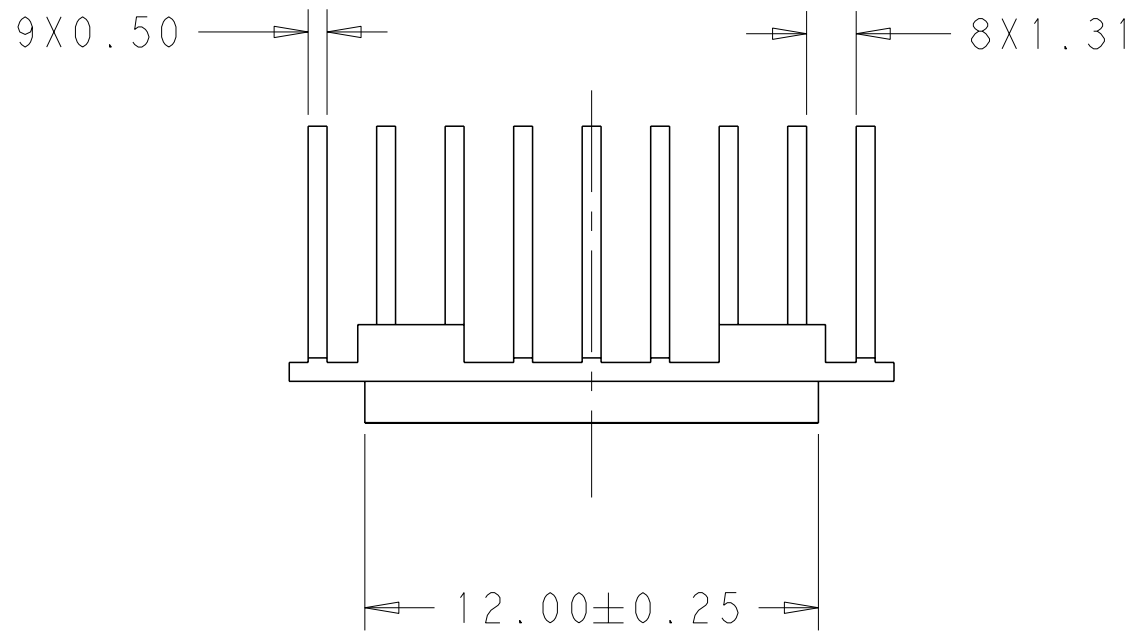
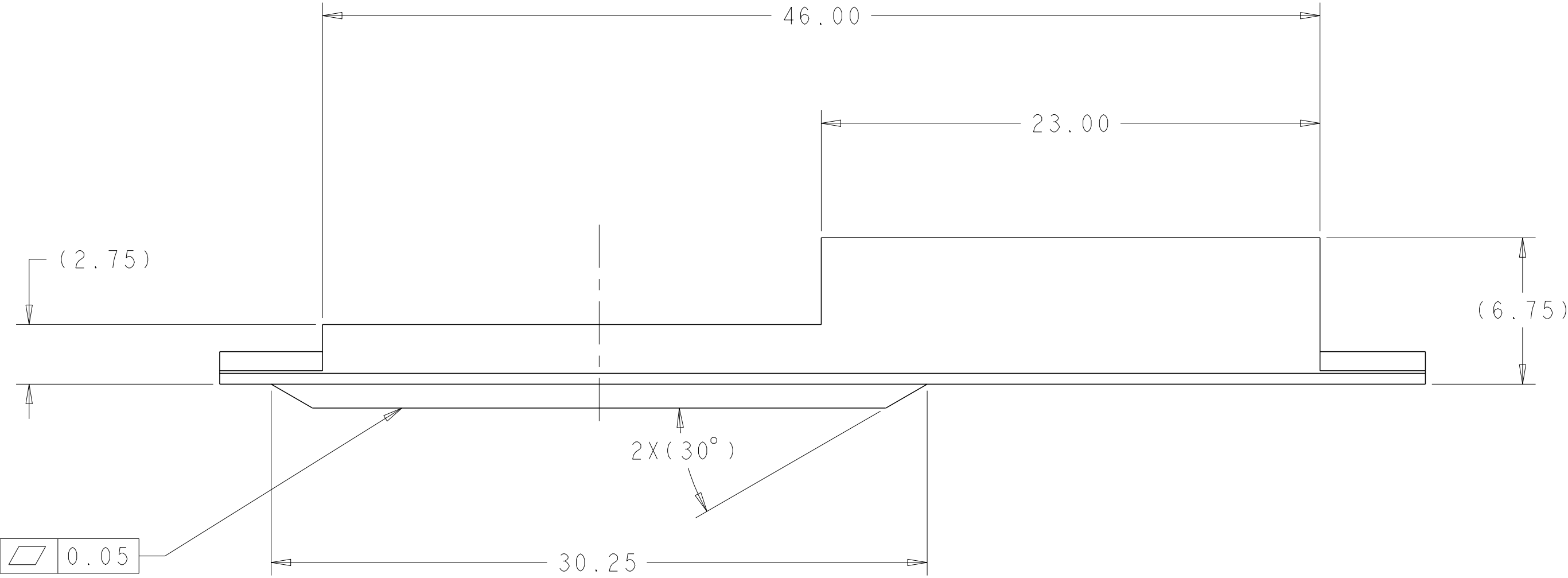
2	1-2300832-7	HEAT SINK CLIP	3
2	1-2304280-3	HEAT SINK	2
1	2299870-4	CAGE AND CONNECTOR ASSEMBLY	1
2299870-3	PART NUMBER	DESCRIPTION	ITEM
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	TE TE Connectivity CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSF+ STACKED WITH HS
DIMENSIONS: mm		CHK SEAN HAN 28JAN2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	
0 PLC ± 1 PLC ±0.25 2 PLC ±0.10 3 PLC ± 4 PLC ±		PRODUCT SPEC 108-60102 APPLICATION SPEC 114-60015	
MATERIAL - SEE NOTE 1		WEIGHT -	SIZE A1
FINISH - SEE NOTE 2		CAGE CODE 00779	DRAWING NO C=2299870
CUSTOMER DRAWING		SCALE 1:1	SHEET 3 OF 8
		REV 4	

SCALE 4:1

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



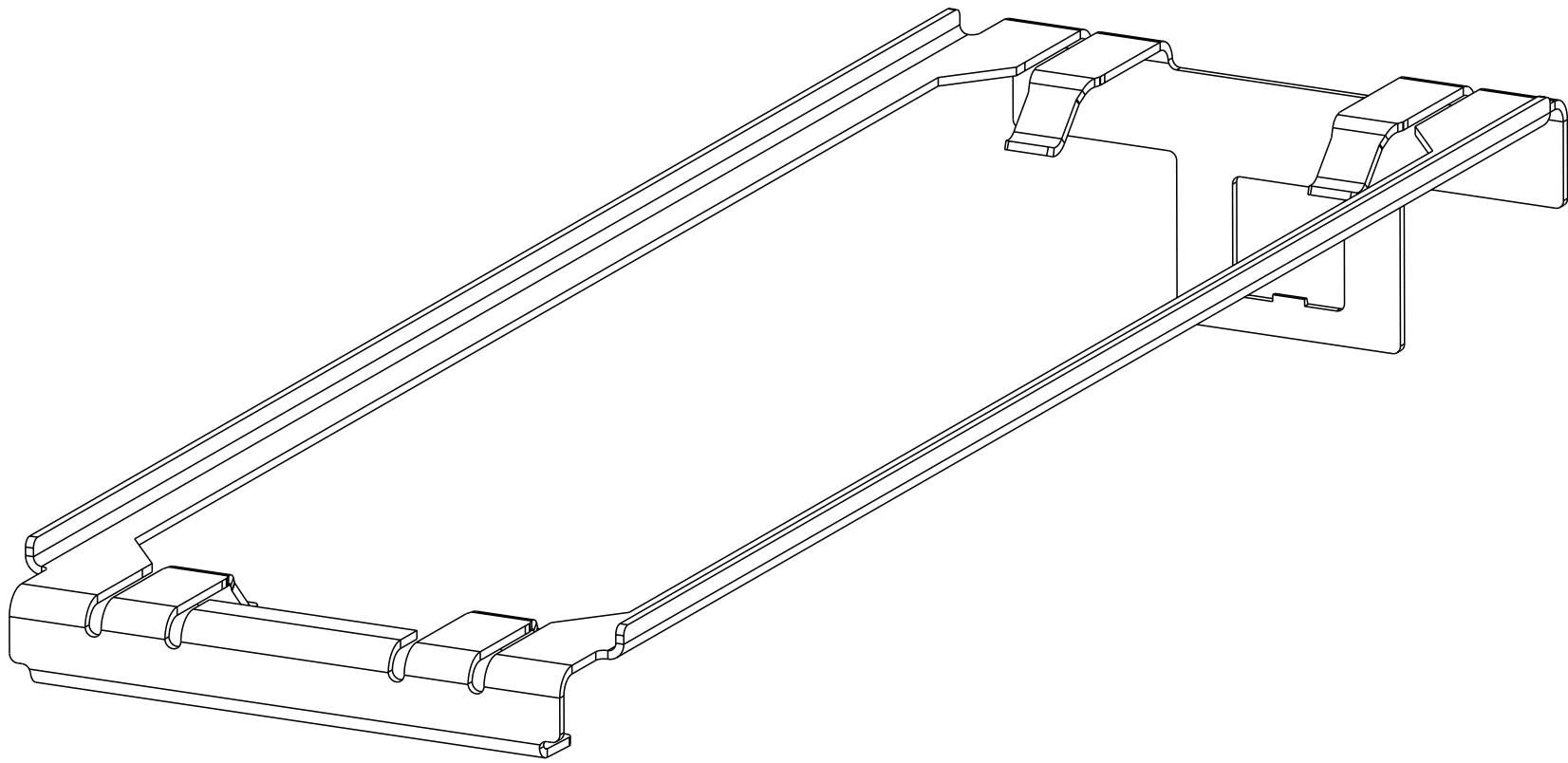
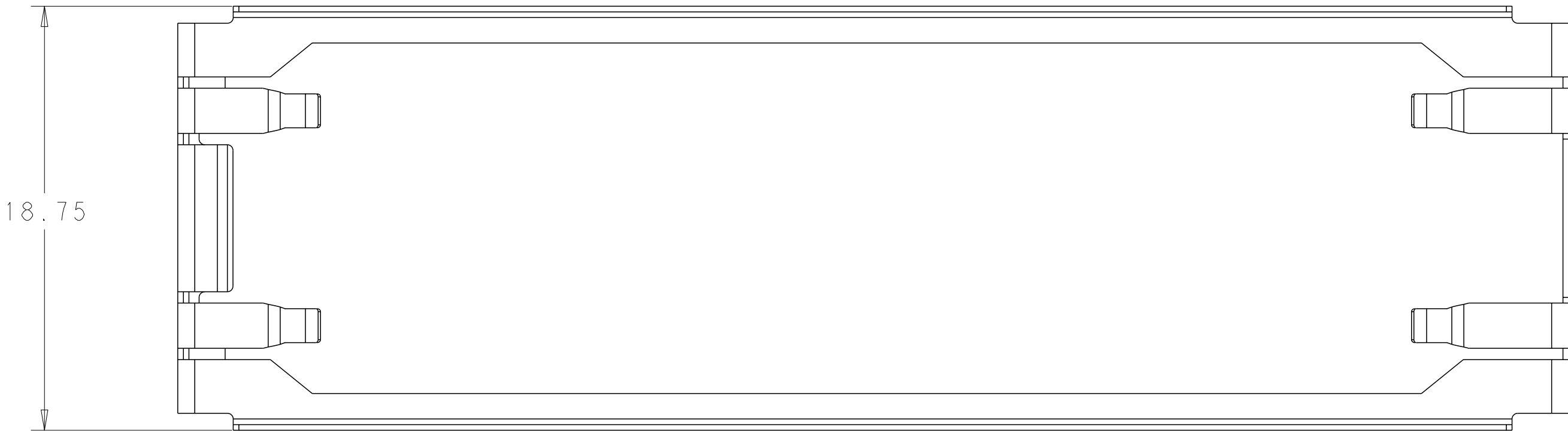
1-2304280-3 HEAT SINK SHOWN
SCALE 5:1



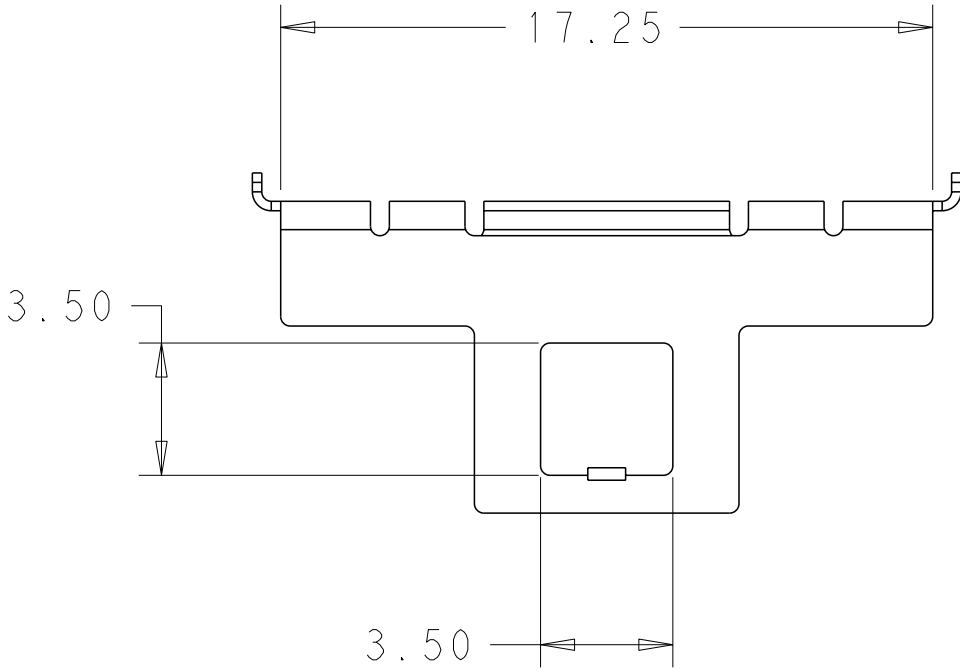
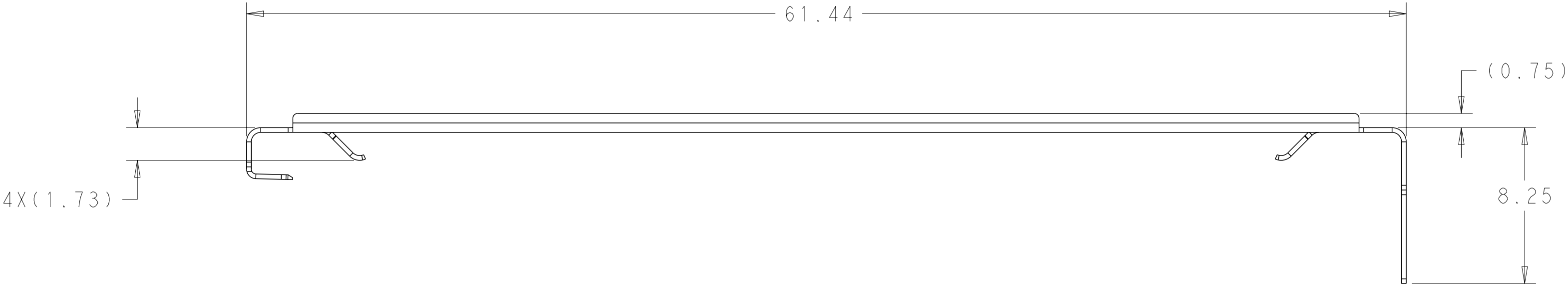
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE	28JAN2016	TE Connectivity	
		CHK SEAN HAN	28JAN2016		
DIMENSIONS:				NAME	
mm				CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
		0 PLC ± 1 PLC ±0.3 2 PLC ±0.25 3 PLC ±0.1 4 PLC ± ANGLES ± FINISH ±		108-60102	
MATERIAL				APPLICATION SPEC	
SEE NOTE 1		SEE NOTE 2		114-60015	
				WEIGHT	
				-	
				CUSTOMER DRAWING	
				SCALE 5:1	
				SHEET 4 OF 8	
				REV 4	

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



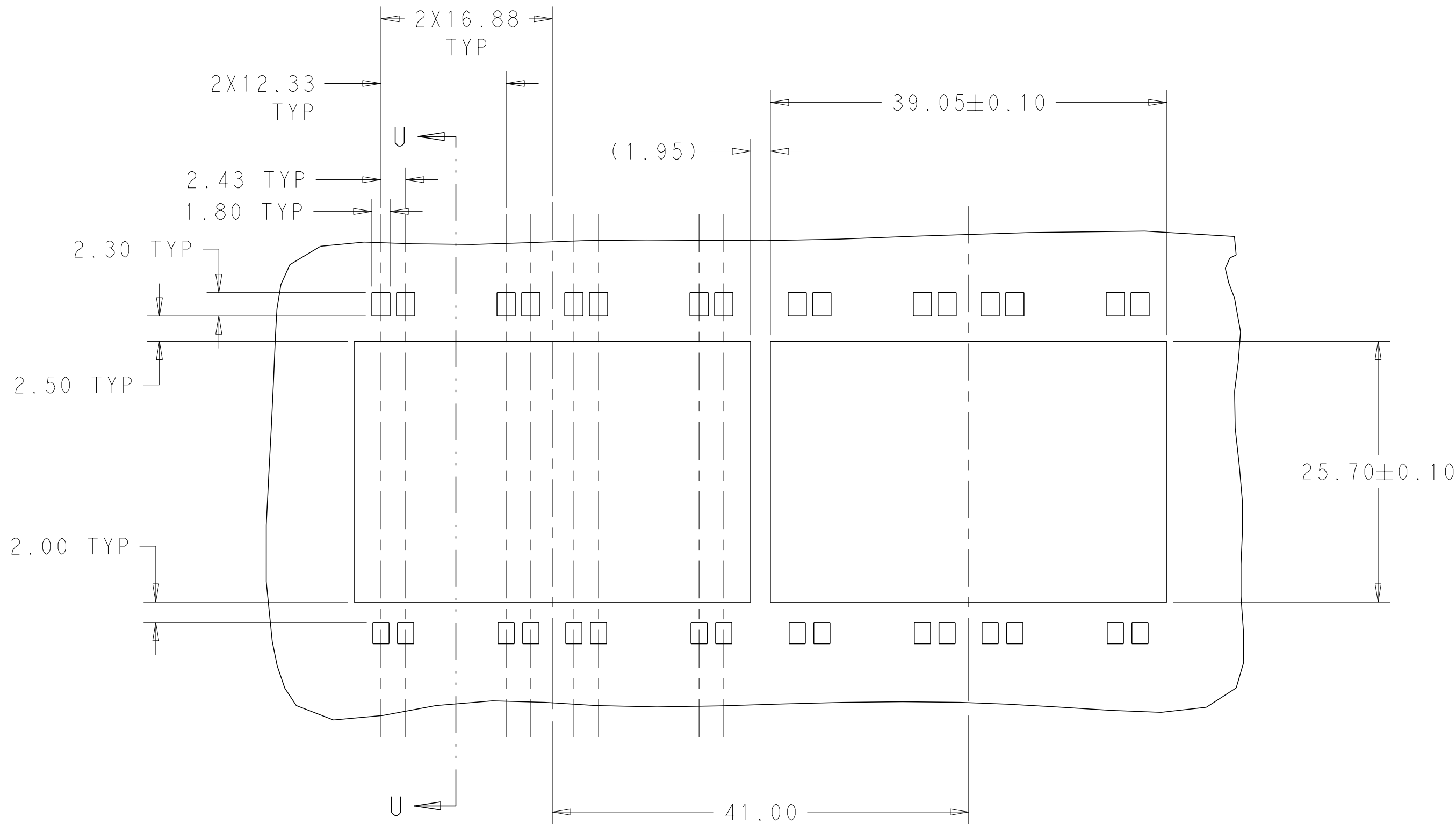
1-2300832-7, HEAT SINK CLIP
SCALE 5:1



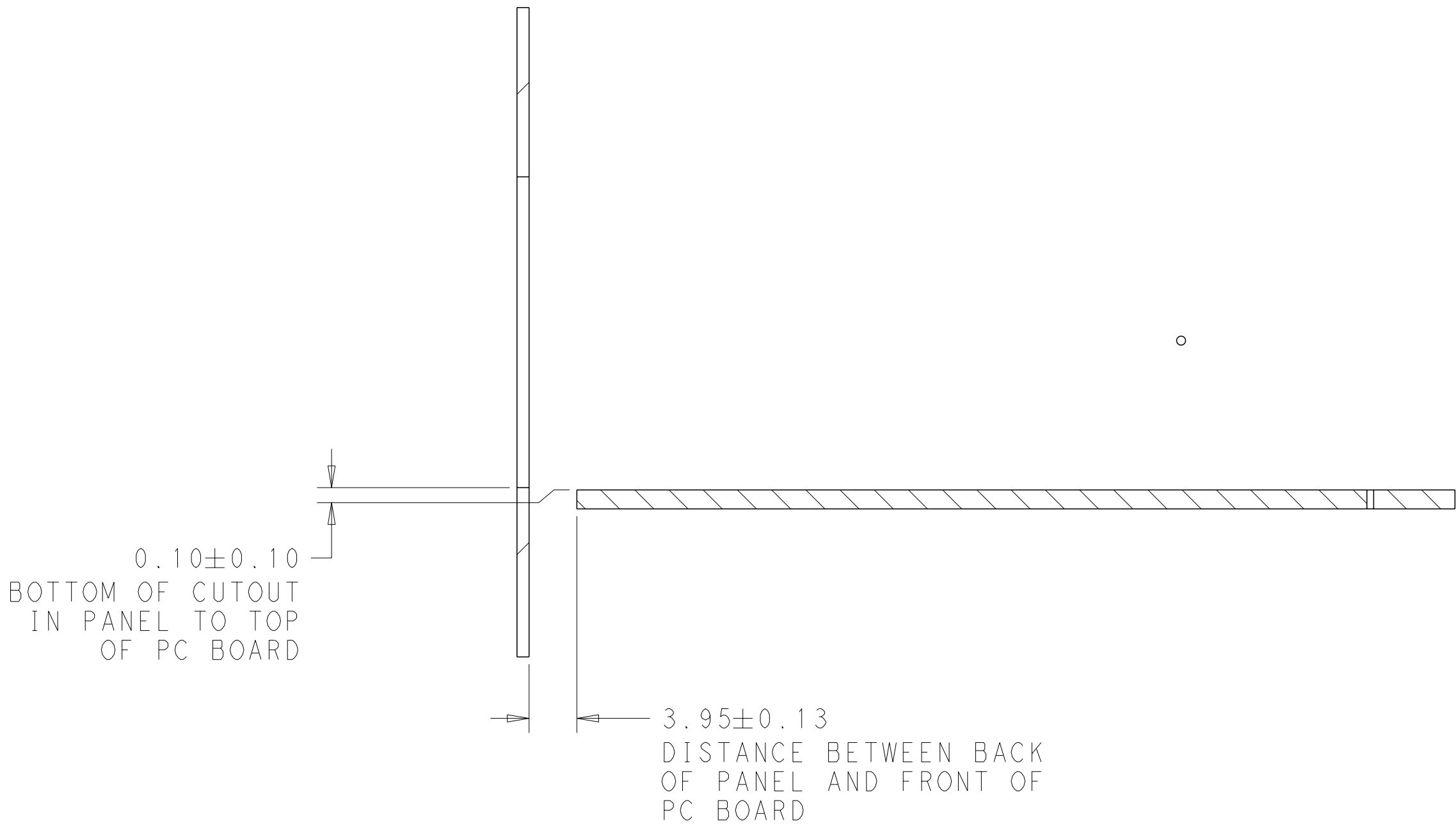
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	 TE Connectivity		
DIMENSIONS: mm		CHK SEAN HAN 28JAN2016			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSP+ STACKED WITH HS	
	0 PLC ±	PRODUCT SPEC	SIZE A100779		CAGE CODE C=2299870
	1 PLC ±0.30	108-60102			
	2 PLC ±0.25	114-60015			
	3 PLC ±	114-60015			
	4 PLC ±	114-60015			
ANGLES FINISH	±	114-60015	RESTRICTED TO		
MATERIAL		WEIGHT			
SEE NOTE 1	SEE NOTE 2	CUSTOMER DRAWING	SCALE 5:1	SHEET 5 OF 8	REV 4

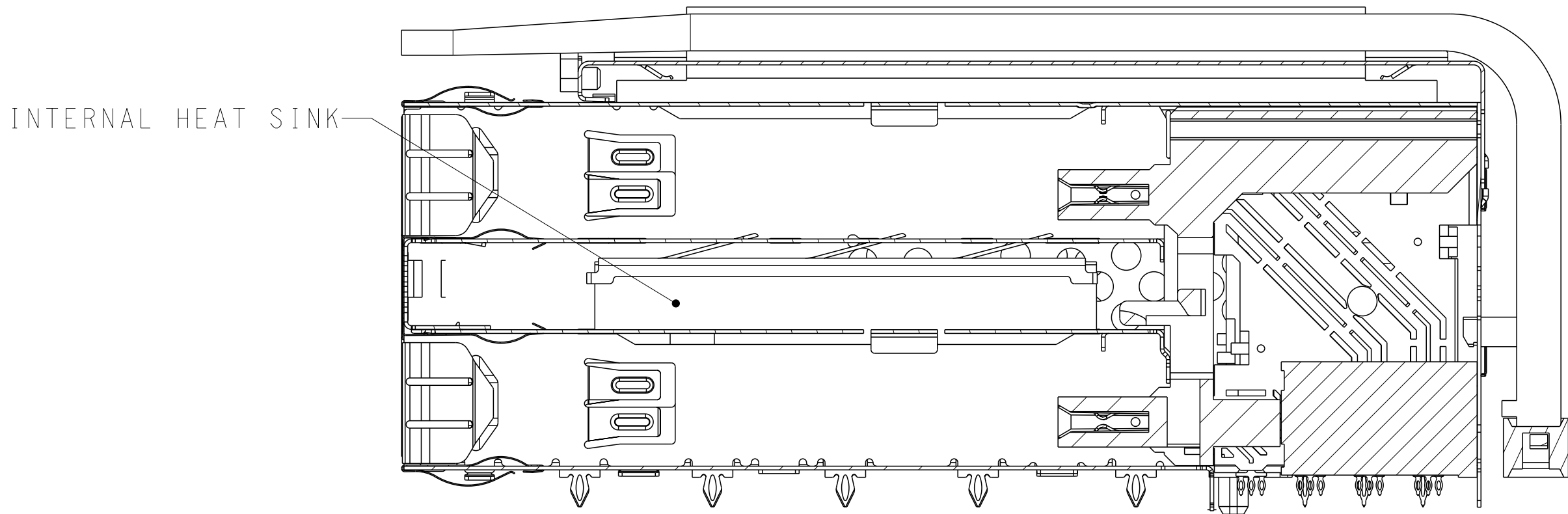
LOC	DIST	REVISIONS					
		P	LYR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-



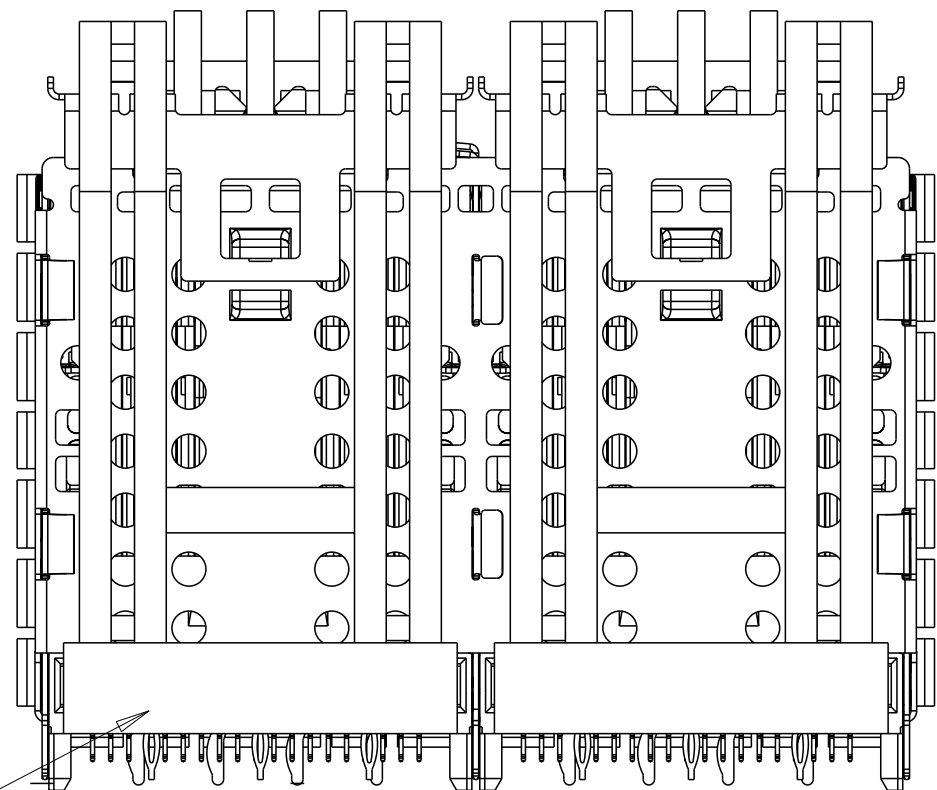
RECOMMENDED PANEL CUTOUT
AND PC BOARD PANEL POSITION
SCALE 5:2



SECTION U-U



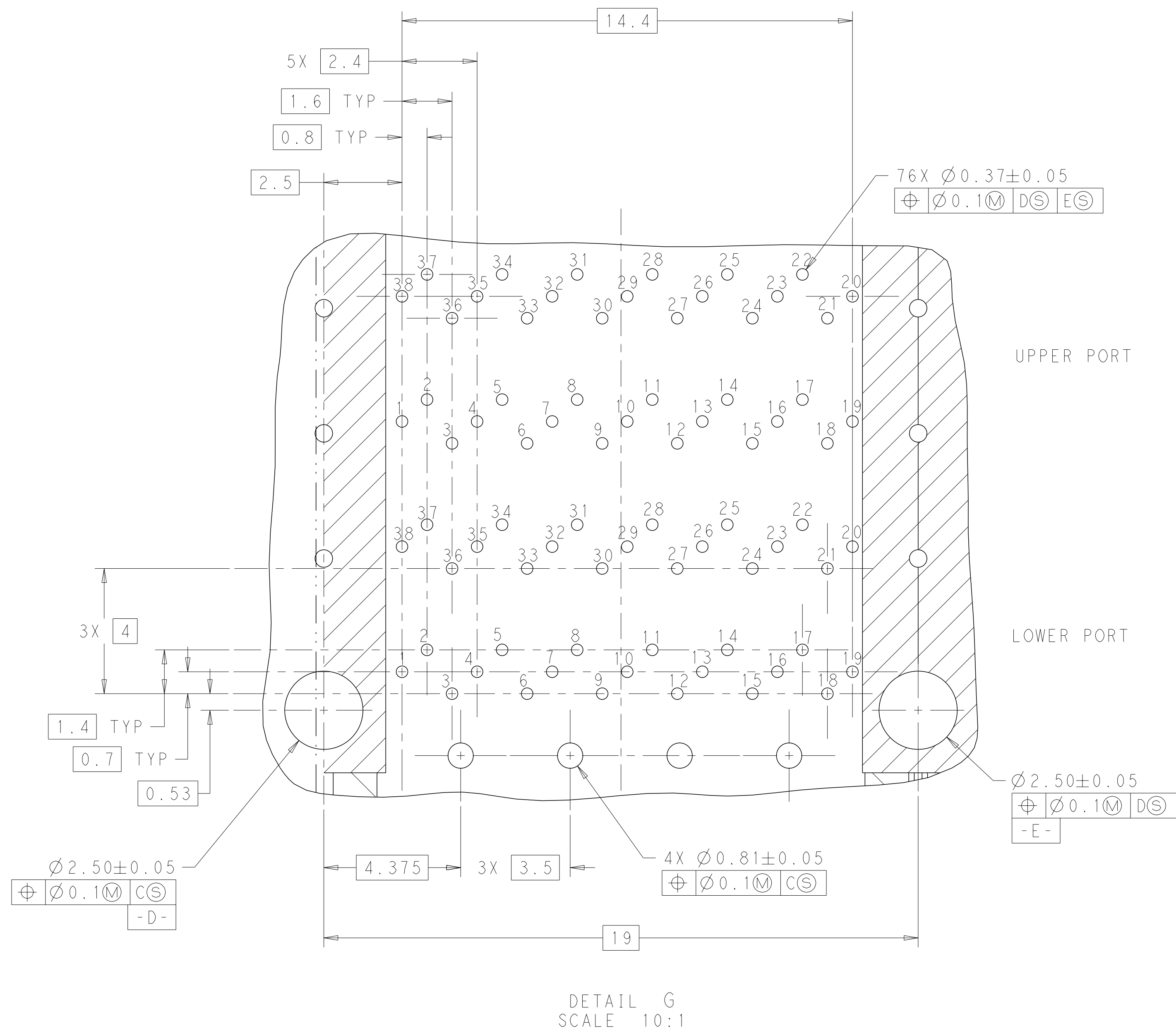
2299870-1 SECTION VIEW
SECTION V-V
SCALE 3:1



ORGNIZER

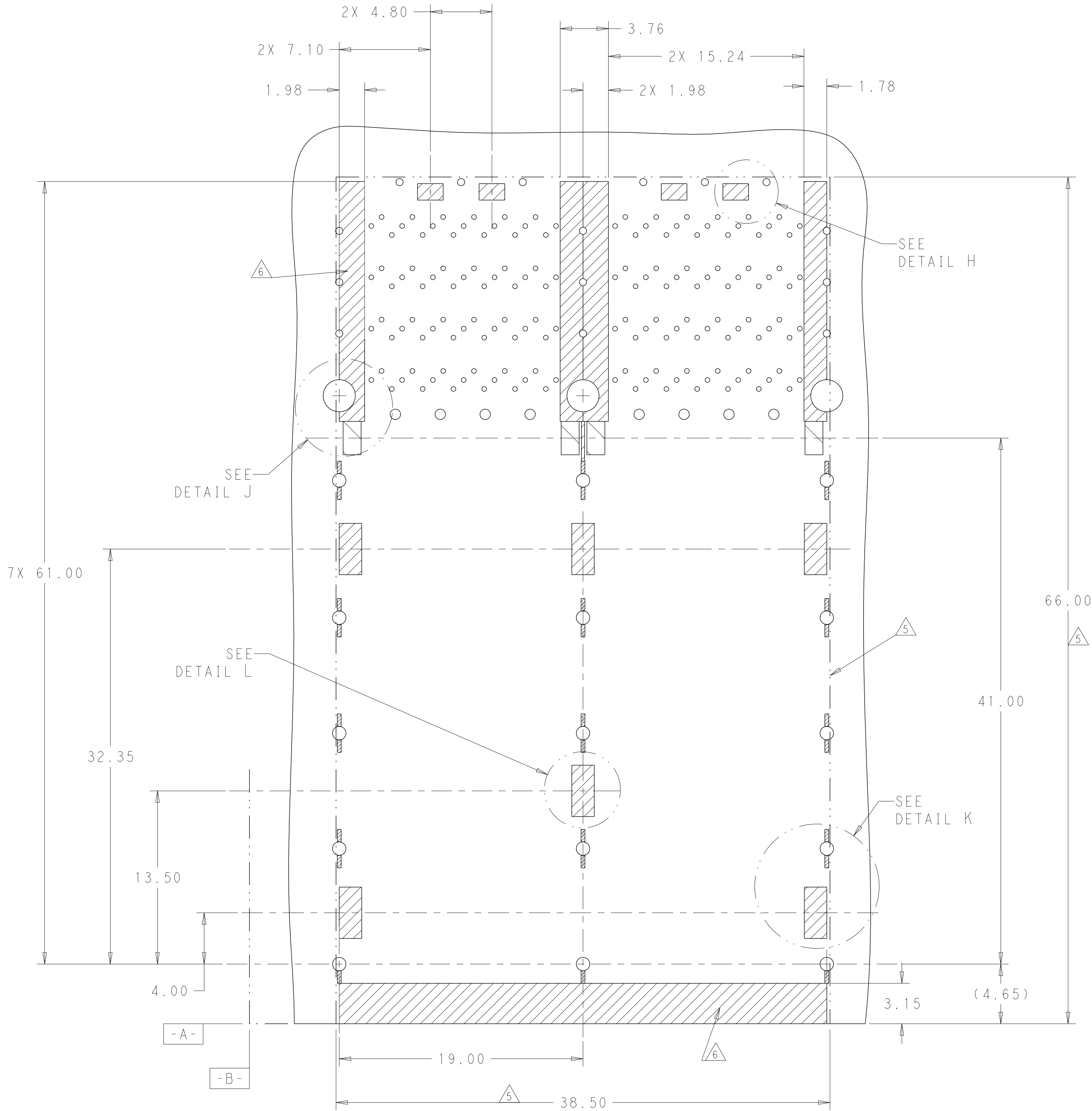
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	TE Connectivity	
		CHK SEAN HAN 28JAN2016		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME	
		0 PLC ±	PRODUCT SPEC	
		1 PLC ±0.25	108-60102	
		2 PLC ±0.10	APPLICATION SPEC	
		3 PLC ±	114-60015	
		4 PLC ±	SIZE CAGE CODE DRAWING NO	
		ANGLES FINISH	A100779C=2299870	
MATERIAL		WEIGHT	RESTRICTED TO	
SEE NOTE 1		SEE NOTE 2	CUSTOMER DRAWING	
			SCALE 1:1	SHEET 6 OF 8 REV 4

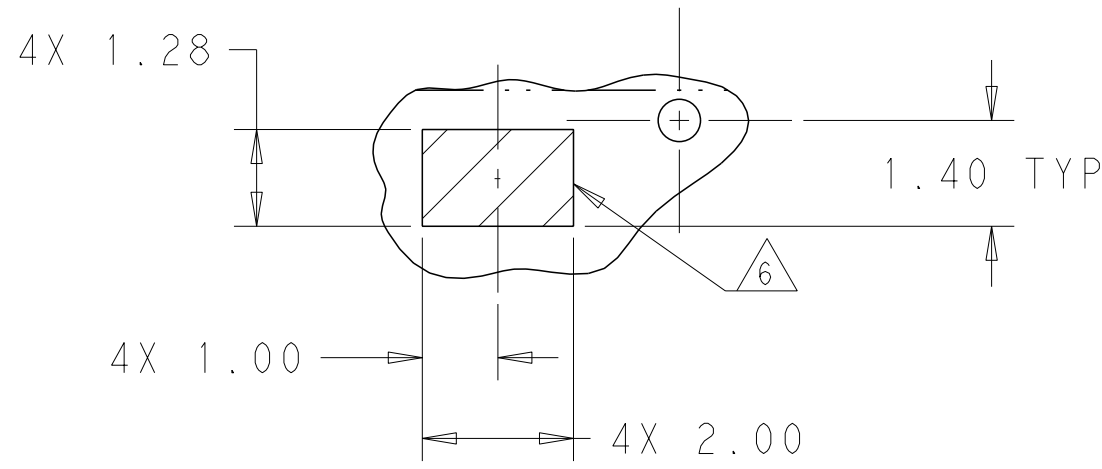


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. 28JAN2016 TIM XUE CHK. 28JAN2016 SEAN HAN APPD. -		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PL/C ±.1 1 PL/C ±.05 2 PL/C ±.10 3 PL/C ±. 4 PL/C ±. ANGLES ±. FINISH		NAME CAGE AND CONNECTOR ASSEMBLY WITH EM1 SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS	
		PRODUCT SPEC 108-60102 APPLICATION SPEC 114-60015		SIZE CAGE CODE DRAWING NO A100779C2299870	
MATERIAL SEE NOTE 1		WEIGHT - CUSTOMER DRAWING		RESTRICTED TO - SCALE 1:1 SHEET 7 OF 8 REV 4	
SEE NOTE 1		SEE NOTE 2			

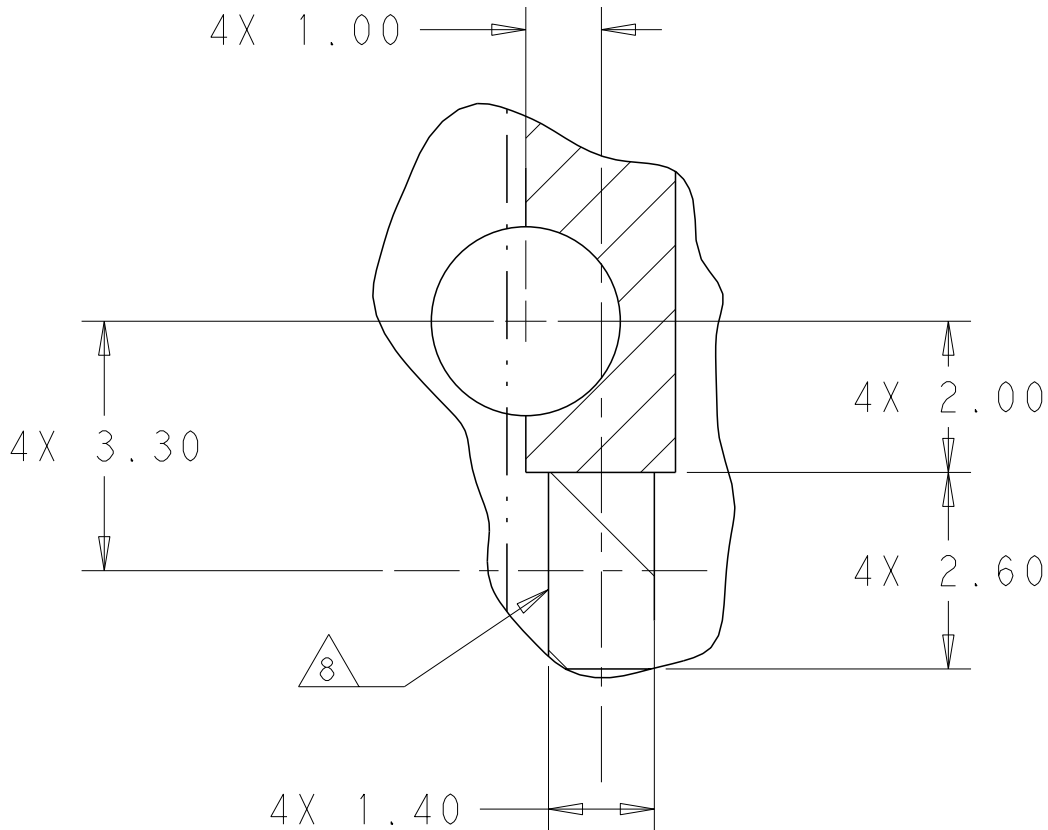
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



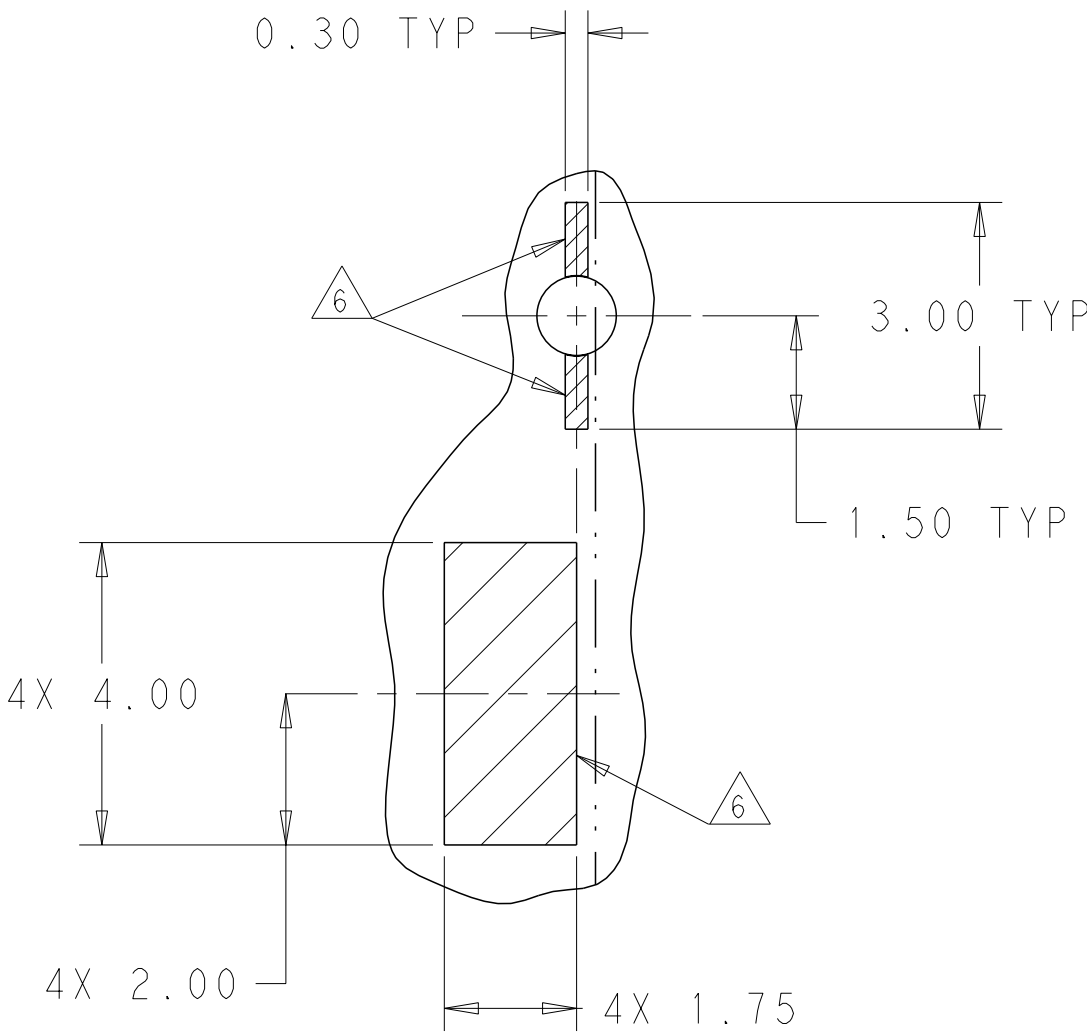
KEEPOUT AREAS
COMPONENT SIDE OF BOARD
(PCB TOLERANCE ±0.05)
SCALE 5:1



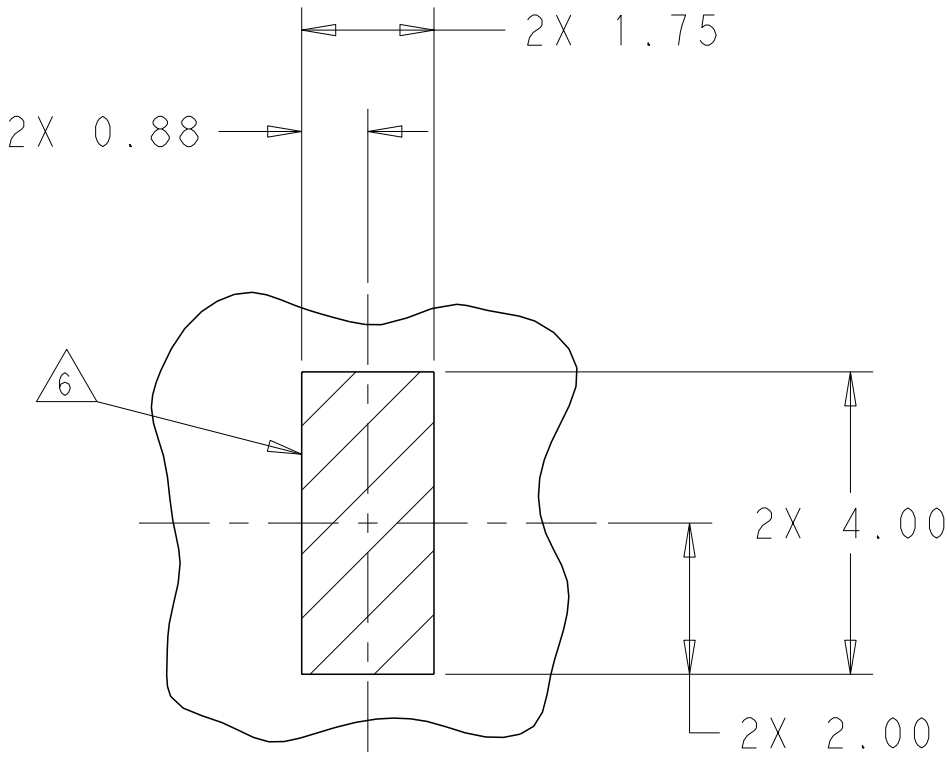
DETAIL H
SCALE 10:1



DETAIL J
LED PADS
SCALE 10:1



DETAIL K
SCALE 10:1



DETAIL L
SCALE 10:1

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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 28JAN2016	TE Connectivity			
DIMENSIONS: mm		CHK SEAN HAN 28JAN2016				
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.10 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		APVD	NAME CAGE AND CONNECTOR ASSEMBLY WITH EMI SPRING FINGERS, THRU BEZEL, 2X2 ZQSFP+ STACKED WITH HS			
MATERIAL SEE NOTE 1		PRODUCT SPEC 108-60102		APPLICATION SPEC 114-60015		SIZE A1
		WEIGHT -		CAGE CODE DRAWING NO 2299870		RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 1:1		SHEET 8 OF 8
				REV 4		