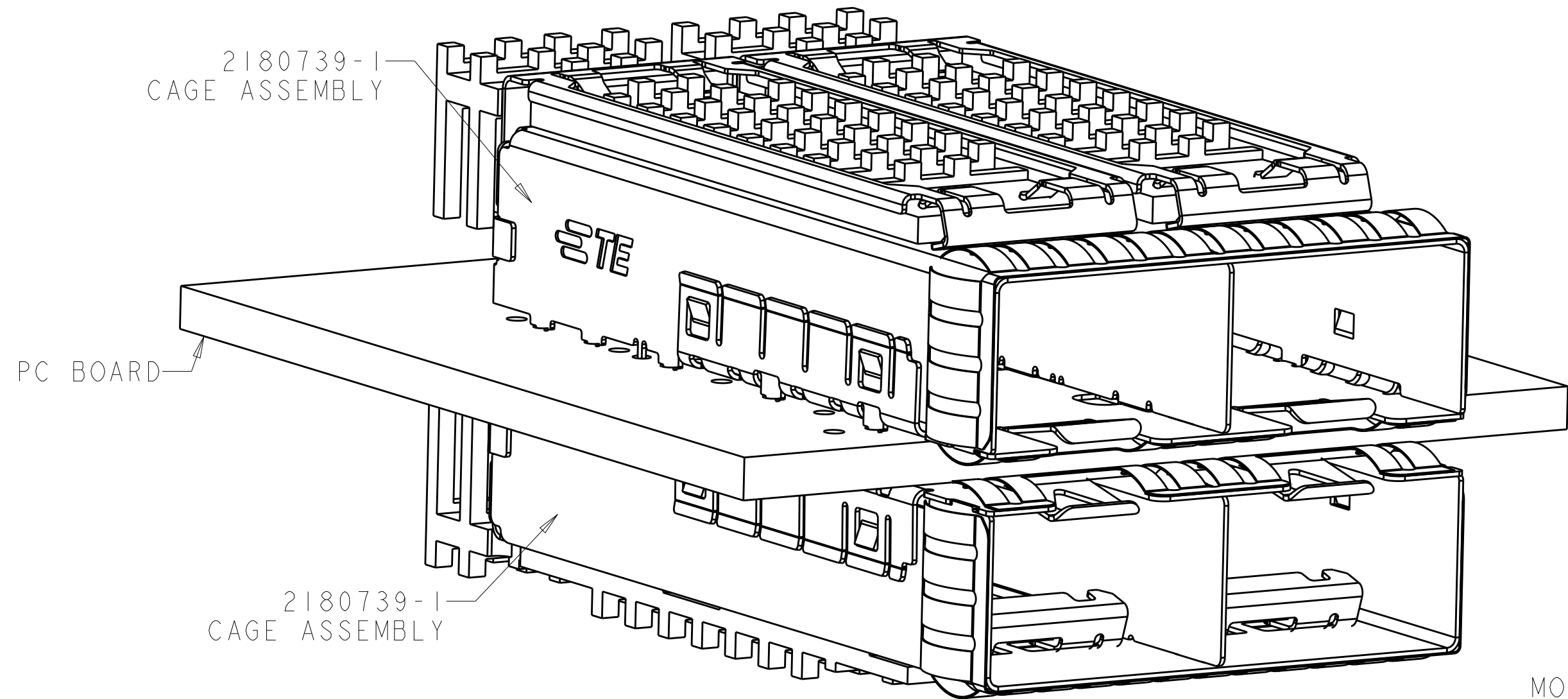
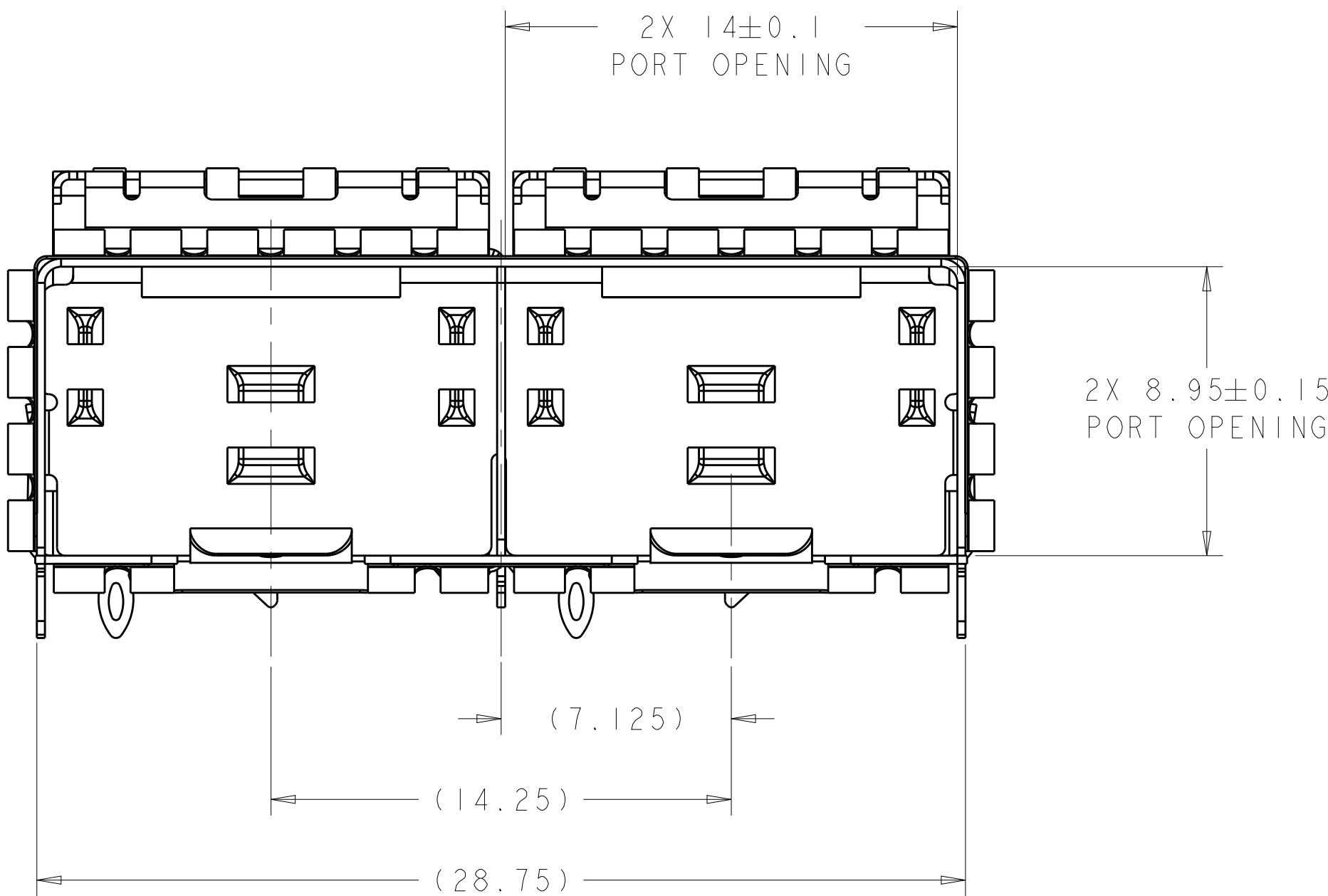


2170190-1
SCALE 5:1

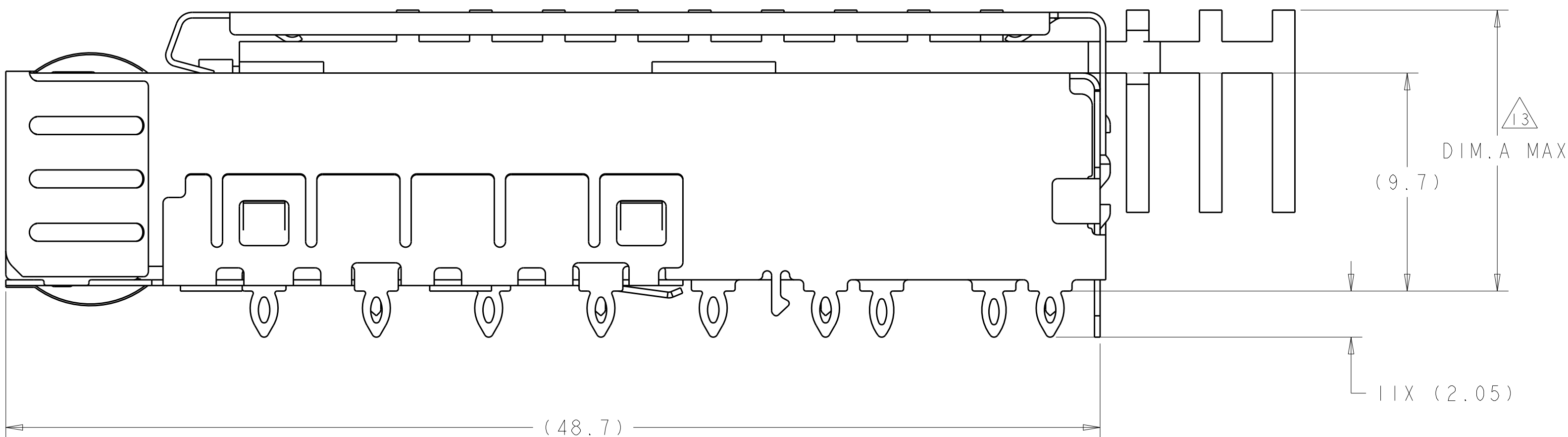


2170190-1
MOUNTED BELLY TO BELLY
SCALE 4:1

- 1 MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL.
INSULATOR: KAPTON
- 2 FINISH:
2170190-1/-2/-4 HEAT SINK: HARD ANODIC COATING
2170190-3 HEAT SINK: BLACK ANODIZE
HEAT SINK CLIP: PASSIVATE.
- 3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 5 PADS AND VIAS CHASSIS GROUND.
5. MATES WITH SFP MSA COMPLIANT RECIEVERS.
6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OR ASME Y14.5M-1994.
- 7 MINIMUM PC BOARD THICKNESS:
SINGLE SIDED: 1.5mm
DOUBLE SIDED: 2.25
- 8 HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.
- 9 REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 10 REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
11. CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.

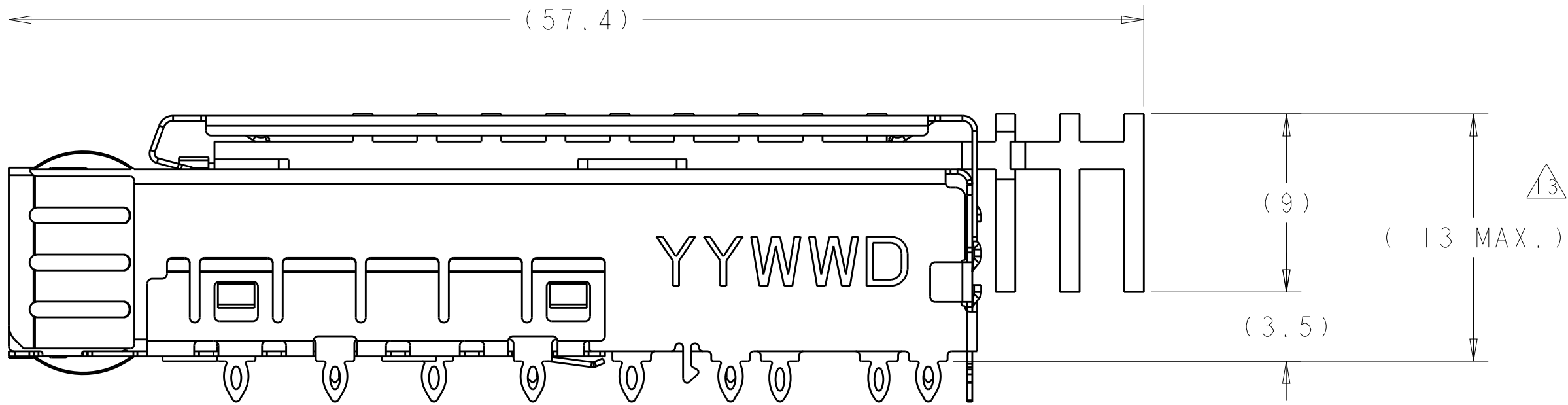
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		A	PRODUCTION RELEASE	29FEB2016	JW	SH
			A1	REVISED PER ECR-18-013796	30AUG2018	IT	SH
			A2	REVISED PER ECR-18-016039	10OCT2018	IT	SH

12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 13 DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
- 14 PRELIMINARY PART, NO RELEASED TO MASS PRODUCTION

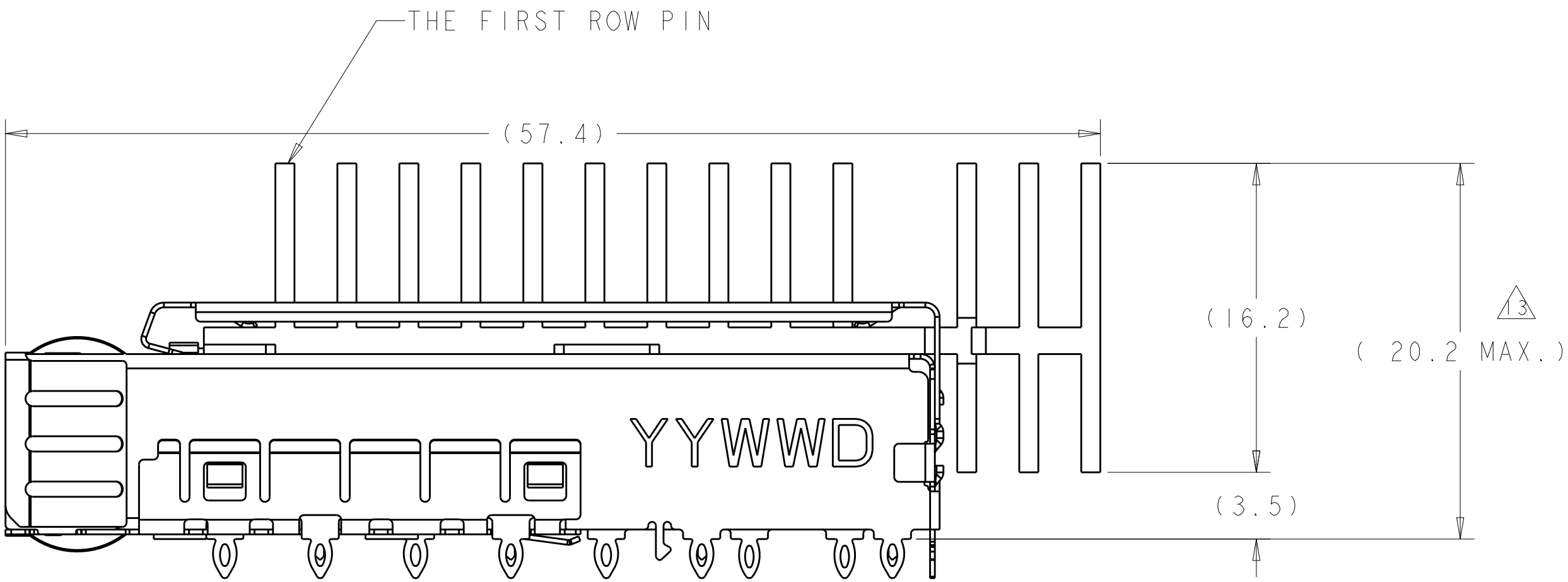


PIN TYPE		HEAT SINK W/ THE FRIST ROW PIN	2170190-4
FIN TYPE		HEAT SINK W/ THE FRIST ROW PIN	2170190-3
PIN TYPE		HEAT SINK W/ THE FIRST ROW PIN	2170190-2
PIN TYPE		HEAT SINK W/O THE FIRST ROW PIN	2170190-1
HEAT SINK		DESCRIPTION	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.			
DIMENSIONS:		DWN	21NOV2011
mm		CHK	21NOV2011
		APVD	21NOV2011
		NAME	SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK
		PRODUCT SPEC	108-2364
		APPLICATION SPEC	114-13120
		WEIGHT	-
		CUSTOMER DRAWING	SCALE 6:1 SHEET 1 OF 5 REV A2

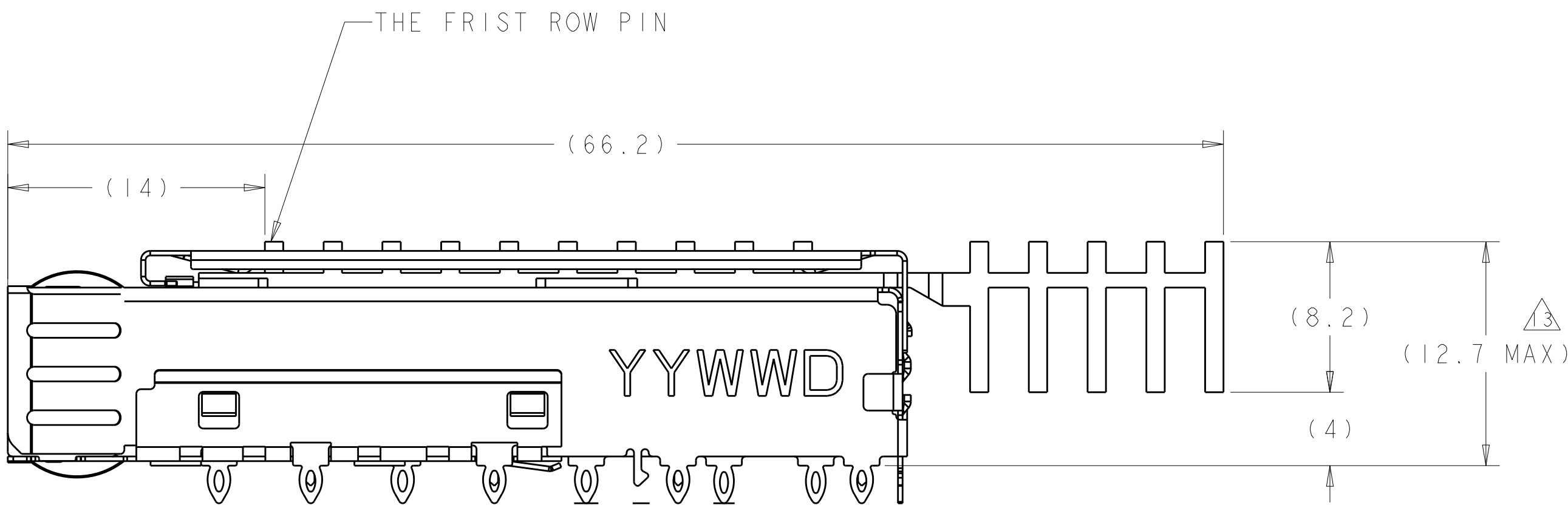
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



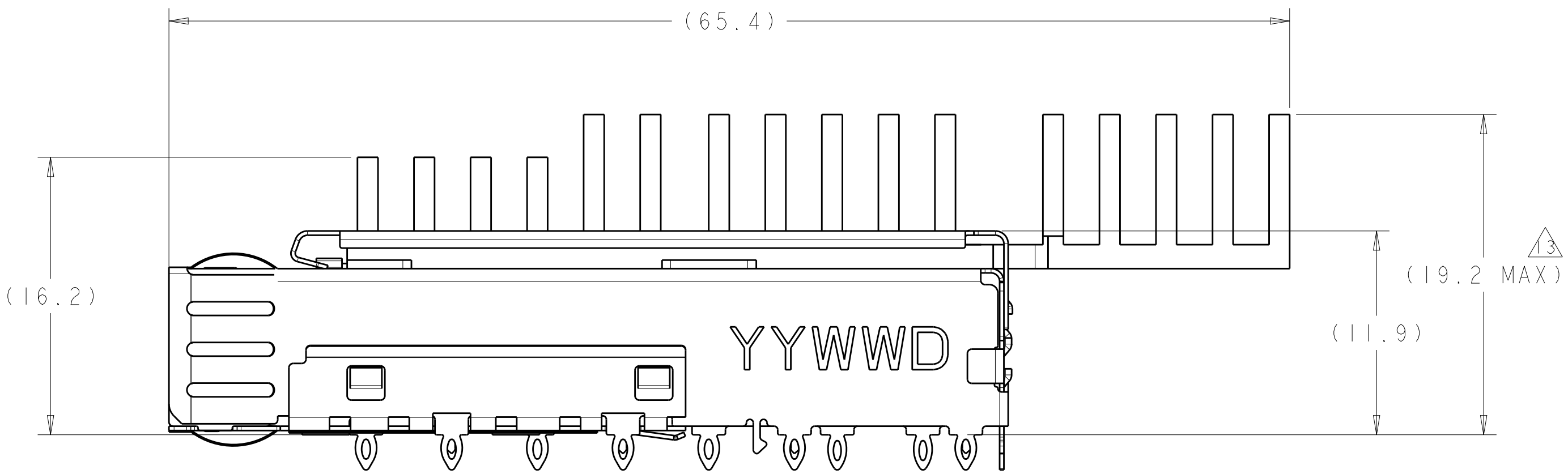
2170190-1 AS SHOWN
HEAT SINK W/O THE FIRST ROW PIN



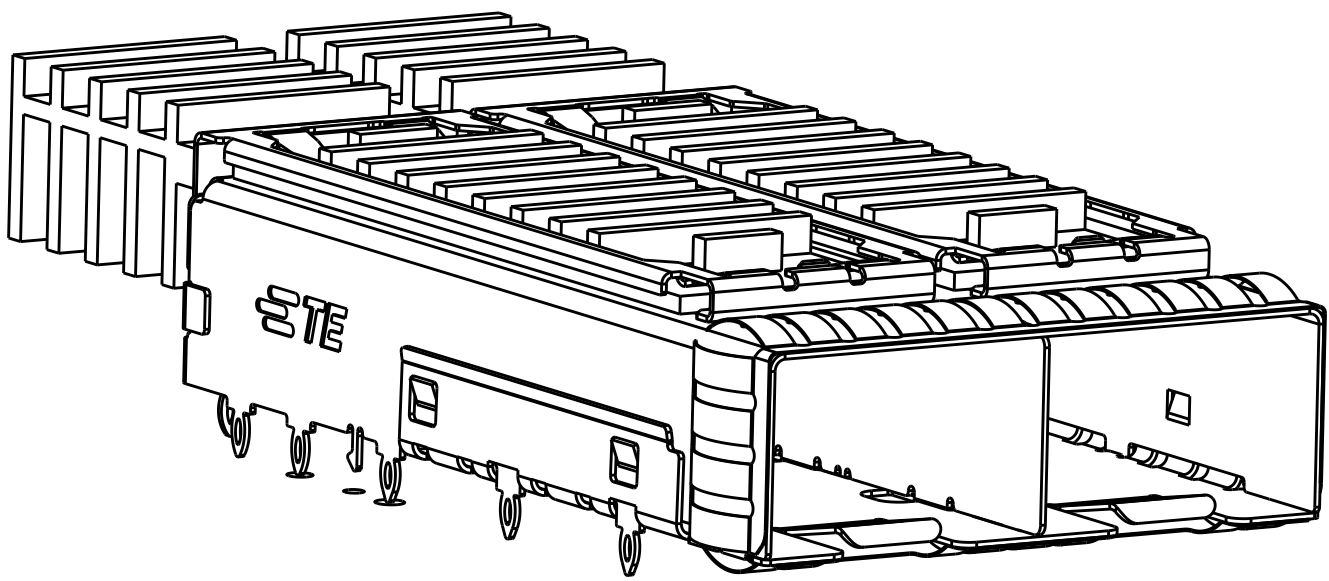
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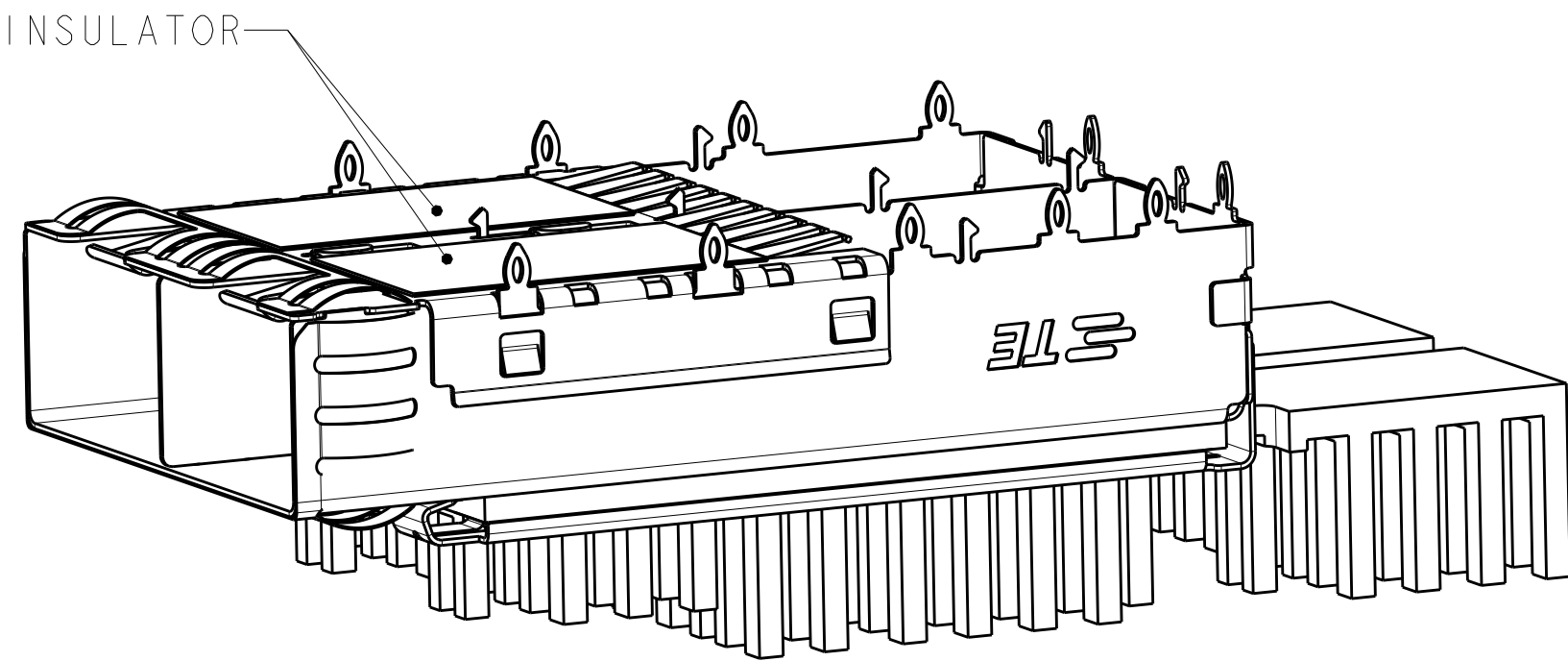
2170190-3 AS SHOWN




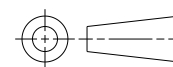
2170190-4 AS SHOWN
SCALE 4:1



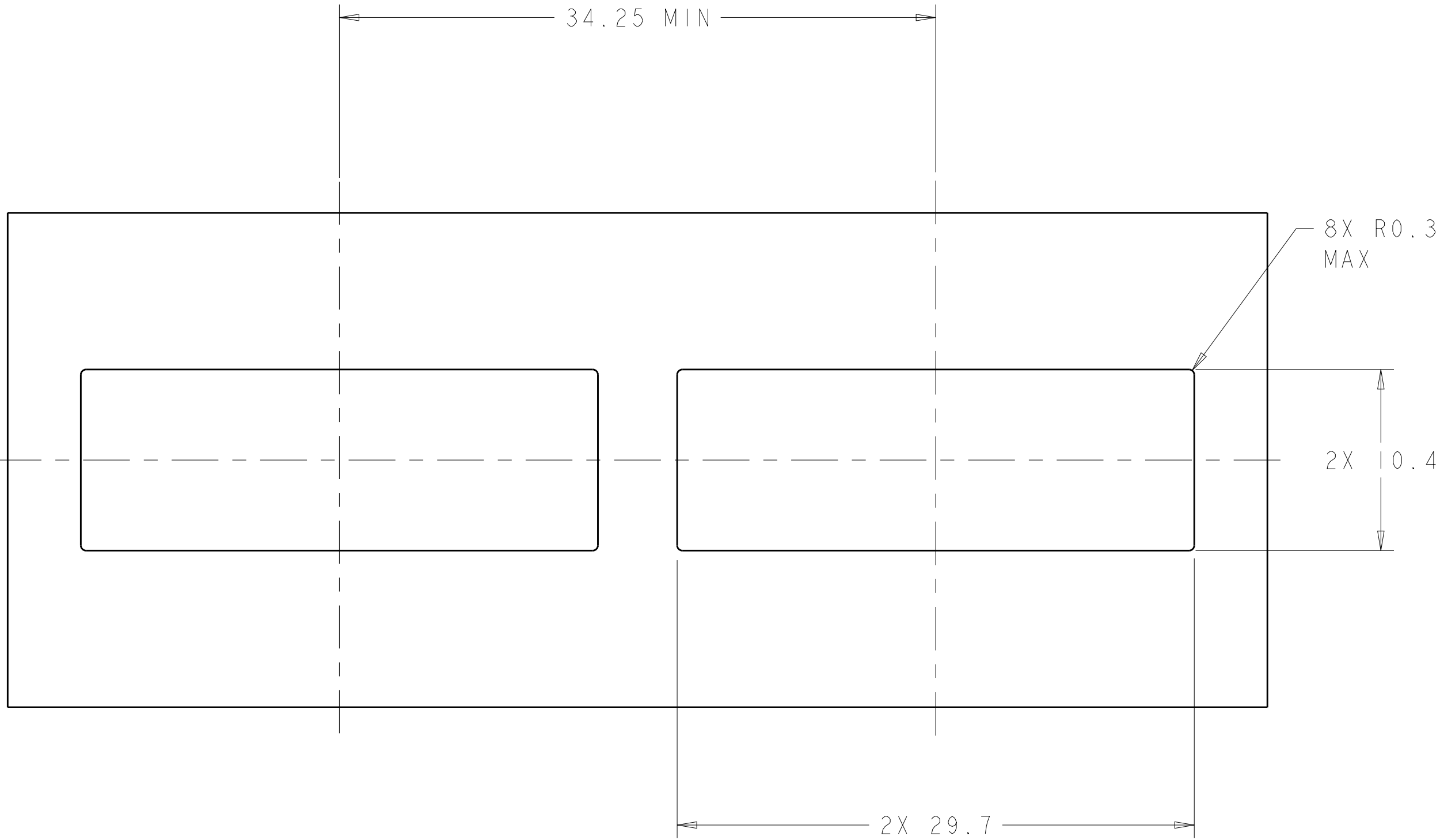
2170190-3 3D VIEW



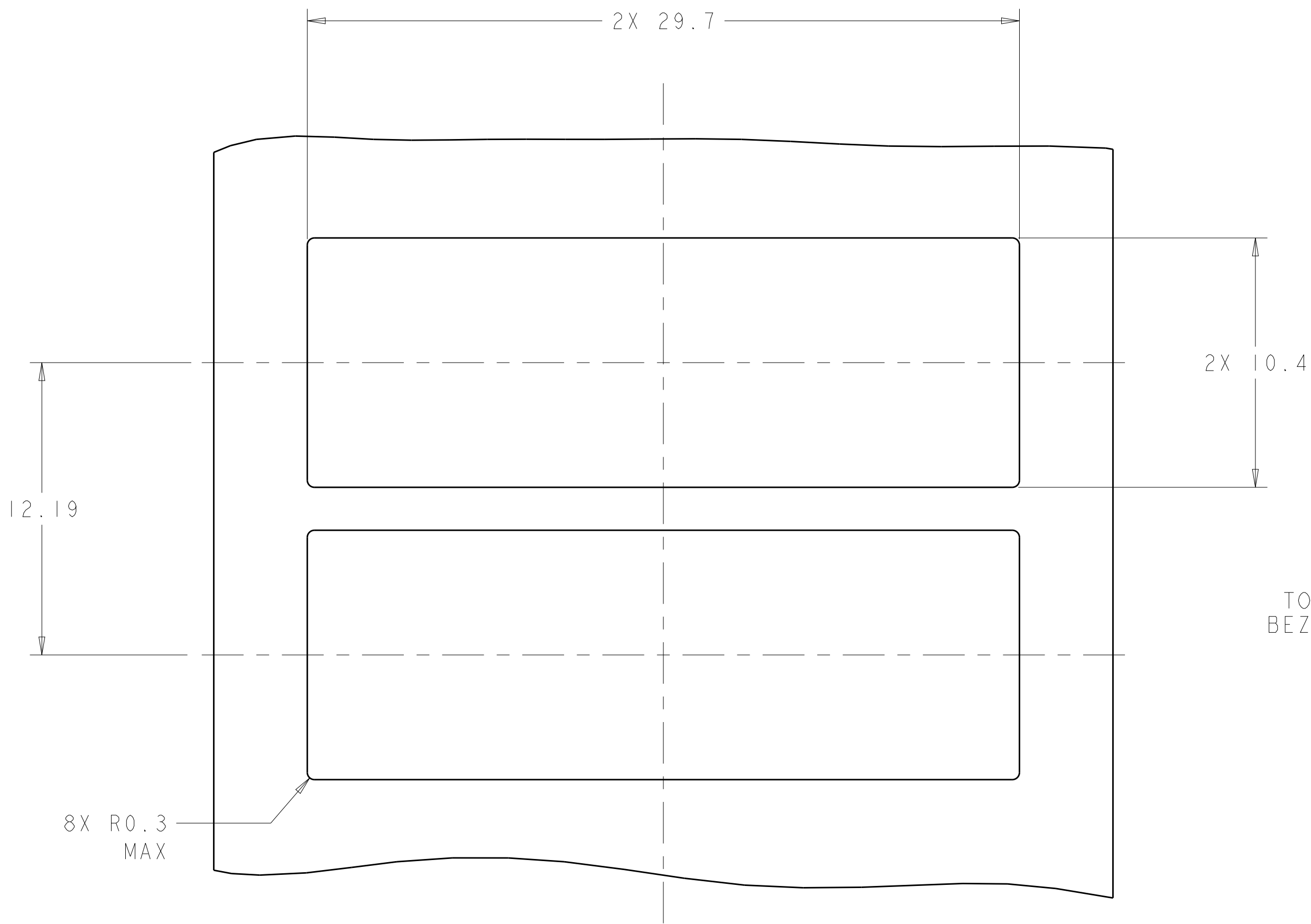
2170190-4 3D VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE	21NOV2011	 TE Connectivity	
		CHK ALEX CAI	21NOV2011		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD ALEX CAI	21NOV2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK
			PRODUCT SPEC 108-2364		
	0 PLC ±0.13		APPLICATION SPEC		SIZE CAGE CODE DRAWING NO
	1 PLC ±0.1		114-13120		
	2 PLC ±0.08		WEIGHT -		RESTRICTED TO -
	3 PLC ±0.05		CUSTOMER DRAWING		
4 PLC ±0.05				SCALE 6:1	SHEET 2 OF 5
ANGLES ±1				REV A2	
MATERIAL	FINISH				

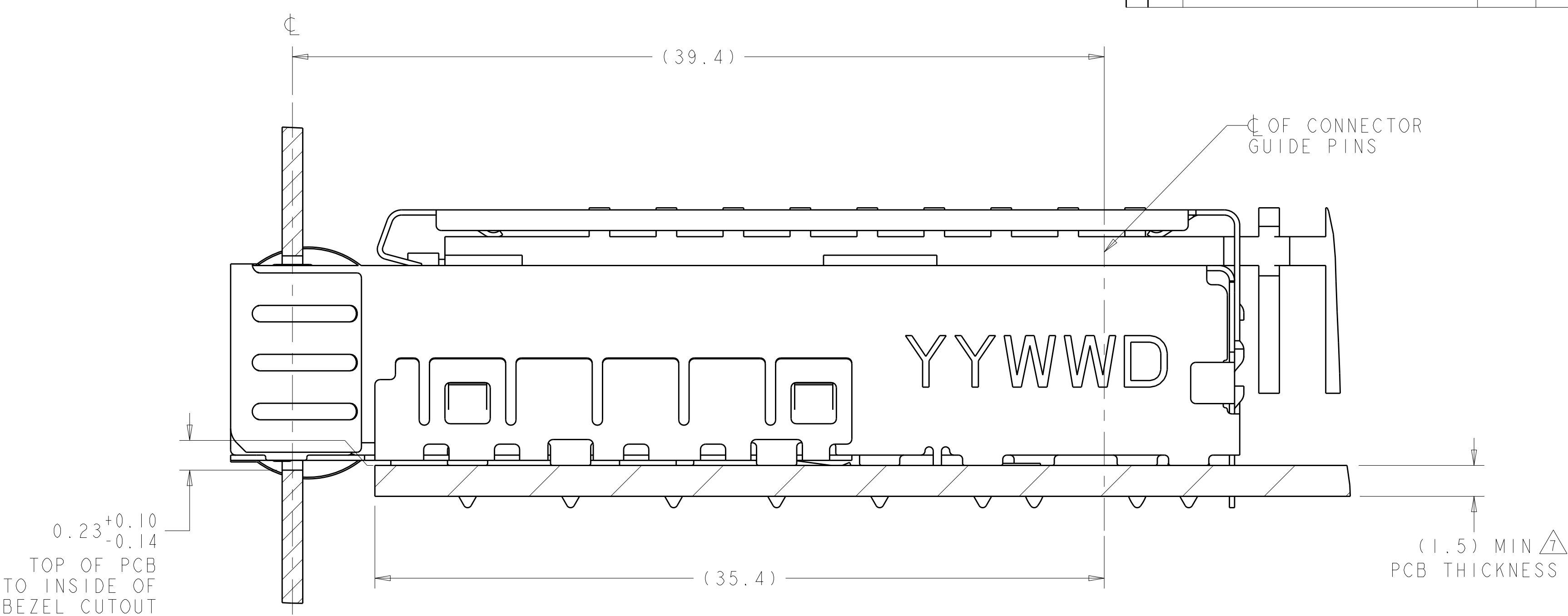
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



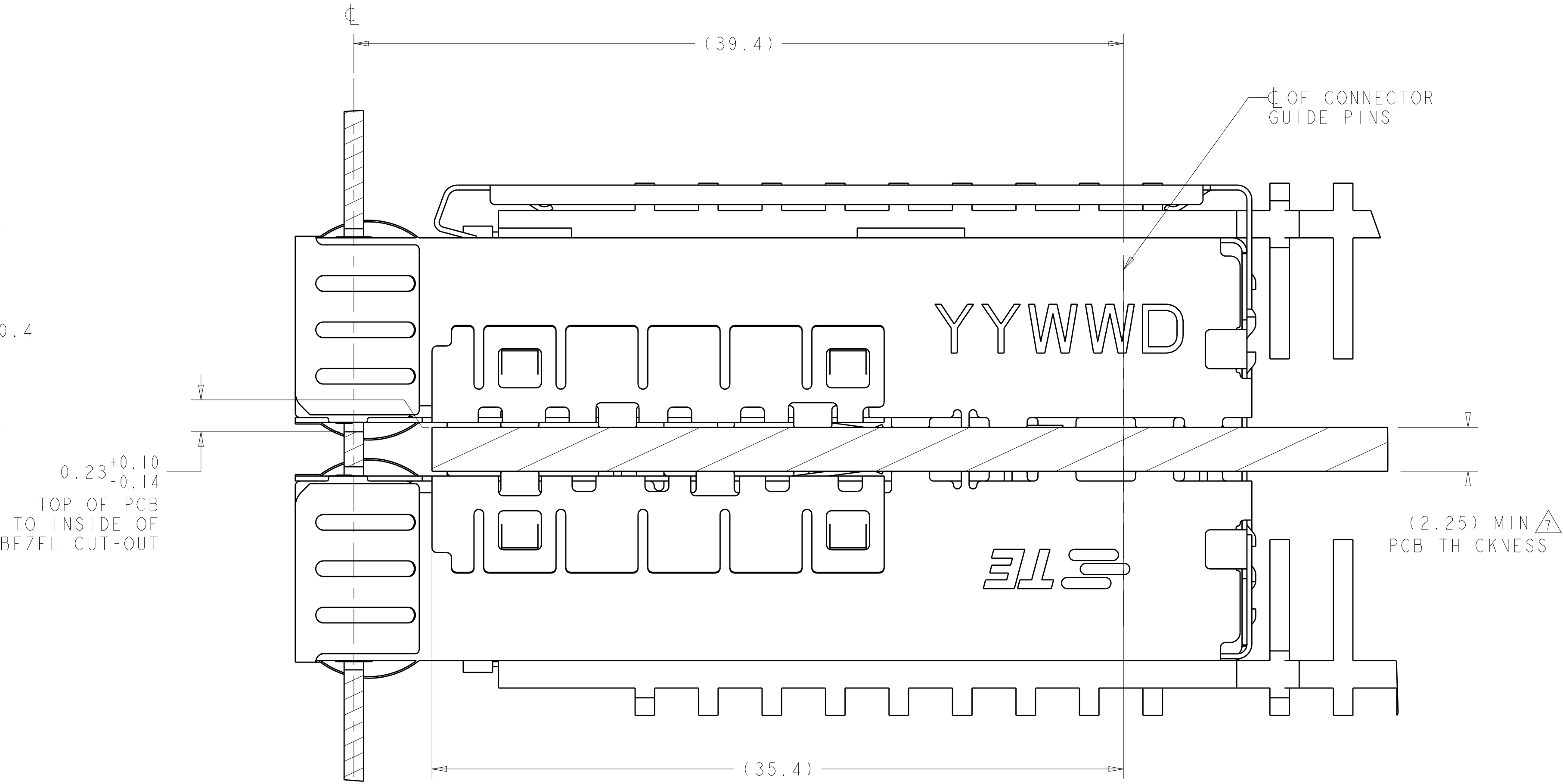
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 4:1



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS

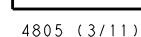


2170190-1
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

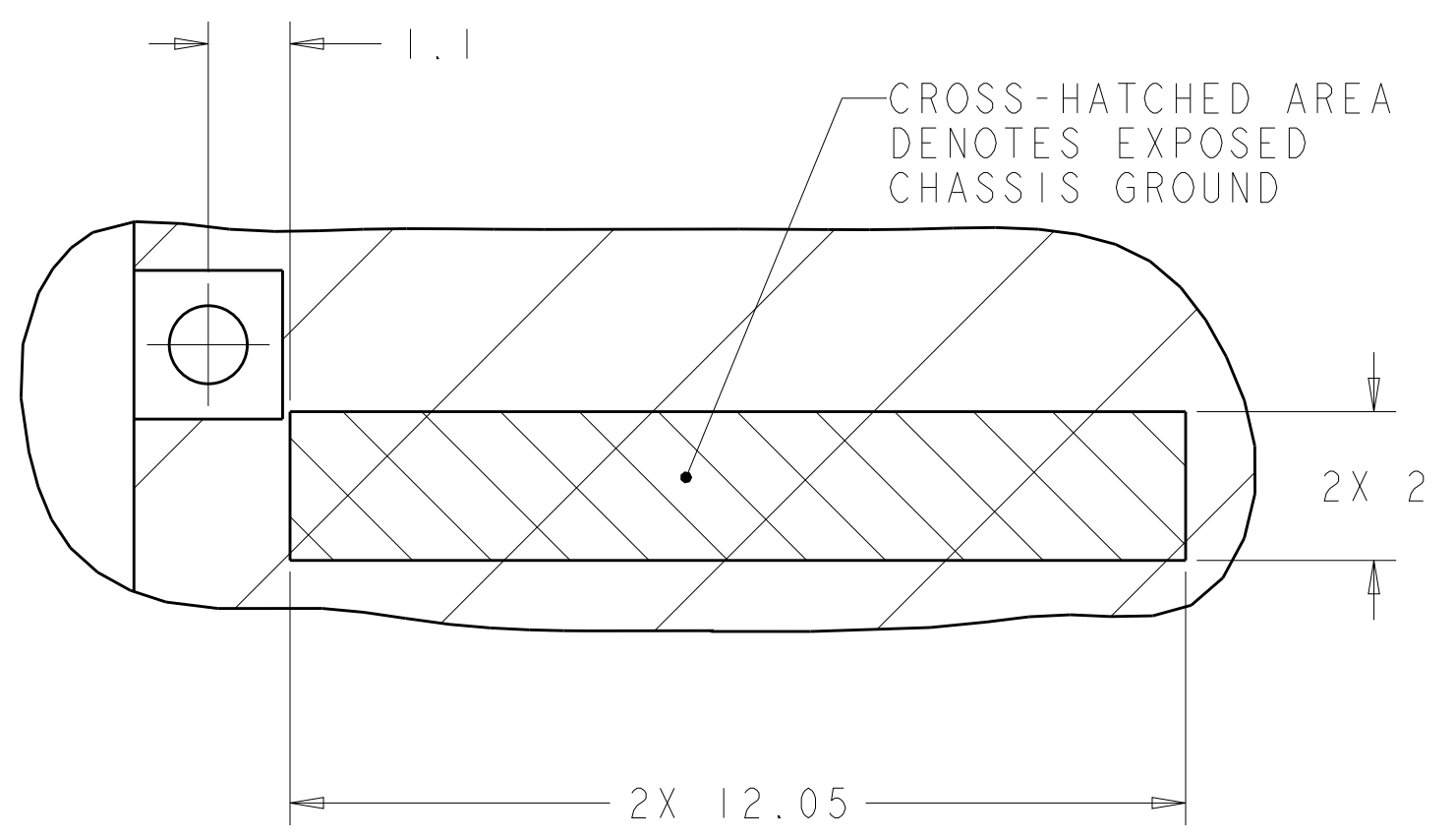
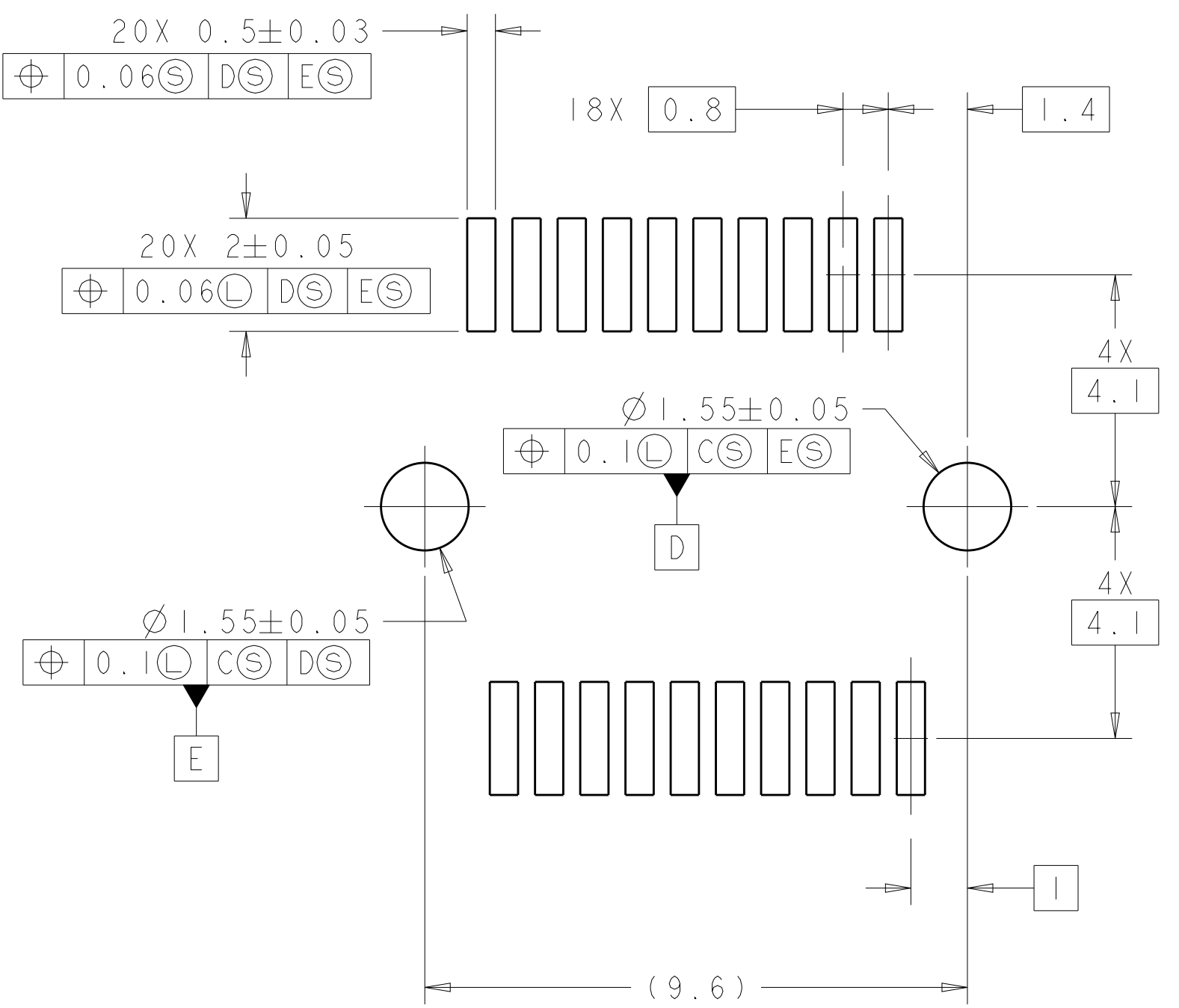
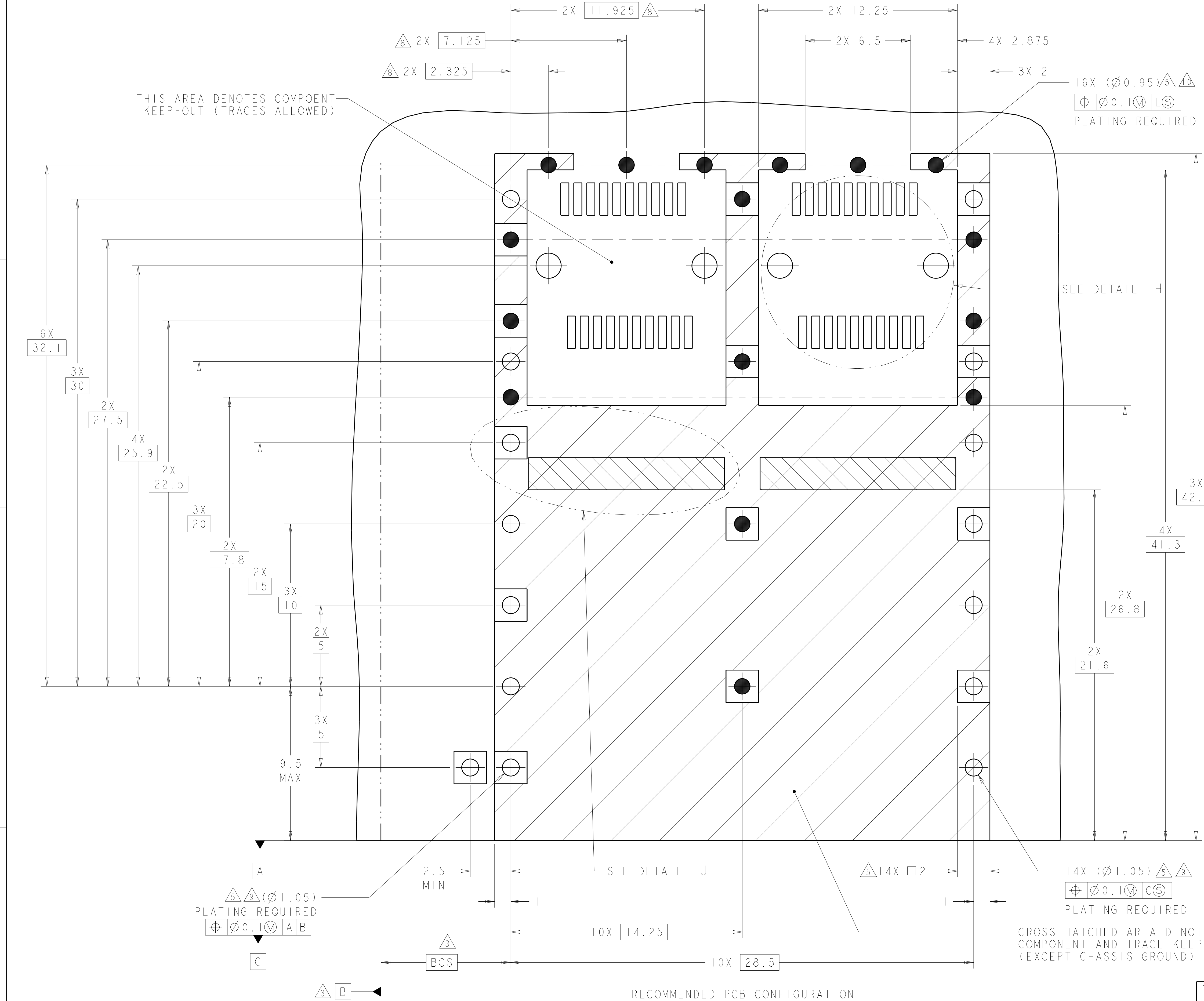




2170190-1
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	TIM XUE	21NOV2011	TE Connectivity	
				CHK	ALEX CAI	21NOV2011		
				APVD	ALEX CAI	21NOV2011	NAME	
				PRODUCT SPEC			SFP+ ENHANCED 1X2 CAGE ASSEMBLY,	
				108-2364			PRESS-FIT, EMI SPRINGS,	
				APPLICATION SPEC			HEAT SINK	
				114-13120			SIZE	
				WEIGHT			CAGE CODE	
				CUSTOMER DRAWING			DRAWING NO	
							RESTRICTED TO	
							A100779C=2170190	
							SCALE	
							6:1	
							SHEET	
							3 OF 5	
							REV	
							A2	



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



THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN	TIM XUE	21NOV2011	 TE Connectivity									
			CHK	ALEX CAI	21NOV2011										
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:				NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EMI SPRINGS, HEAT SINK									
mm															
	0 PLC	±0.13	PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT -			SIZE CAGE CODE DRAWING NO A100779C=2170190			RESTRICTED TO -						
	1 PLC	±0.1													
	2 PLC	±0.08													
	3 PLC	±0.05													
	4 PLC	±0.05													
ANGLES		±0.1	CUSTOMER DRAWING			SCALE 6:1			SHEET 5 OF 5			REV A2			
MATERIAL		FINISH													