

LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		1	PRELIMINARY RELEASE	23NOV2011	TX	AC	
			2	REVISE THE DRAWING	21DEC2011	TX	AC	
			A	REVISED PER ECN-24-272345	15JUL2024	KH	SZ	
0Y								

- 1

MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
HEATSINK CLIP: STAINLESS STEEL
HEATSINK: ALUMINUM
- 2

FINISH:
SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
NON-PLATED EDGES PERMISSIBLE.
HEATSINK: ELECTROLESS NICKEL
HEATSINK CLIP: PASSIVATE
- 3

PADS AND VIAS CHASSIS GROUND.
- 4

DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- 5

MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.
- 6

INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.
- 7

REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 8

REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 9

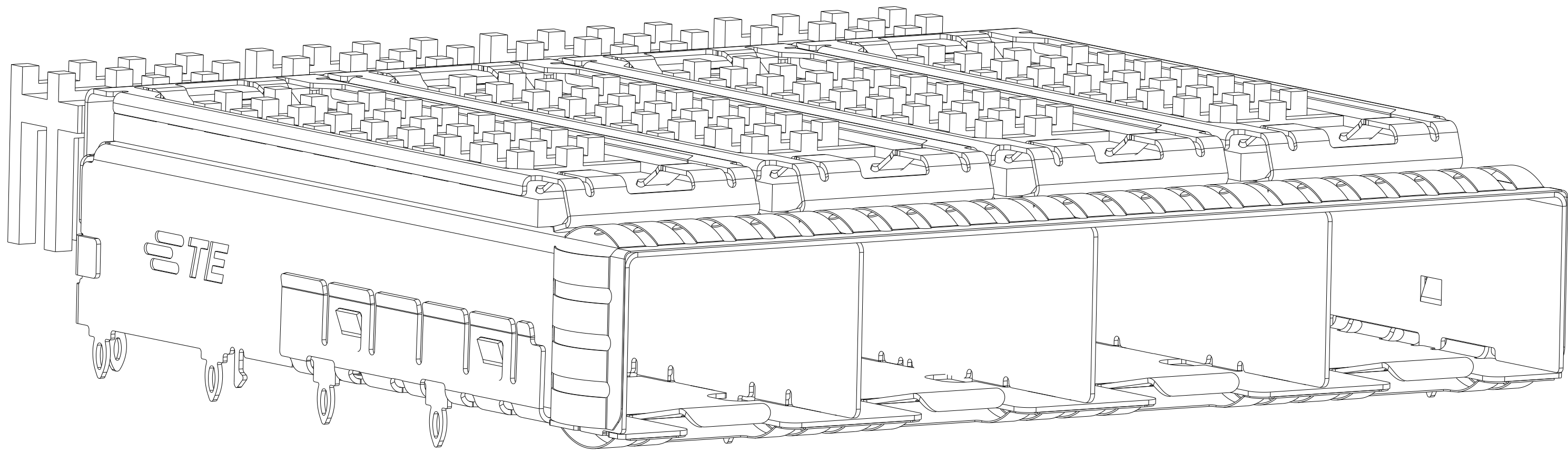
HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
- 10

MINIMUM PC BOARD THICKNESS:
SINGLE SIDED = 1.50
DOUBLE SIDED = 2.25
- 11

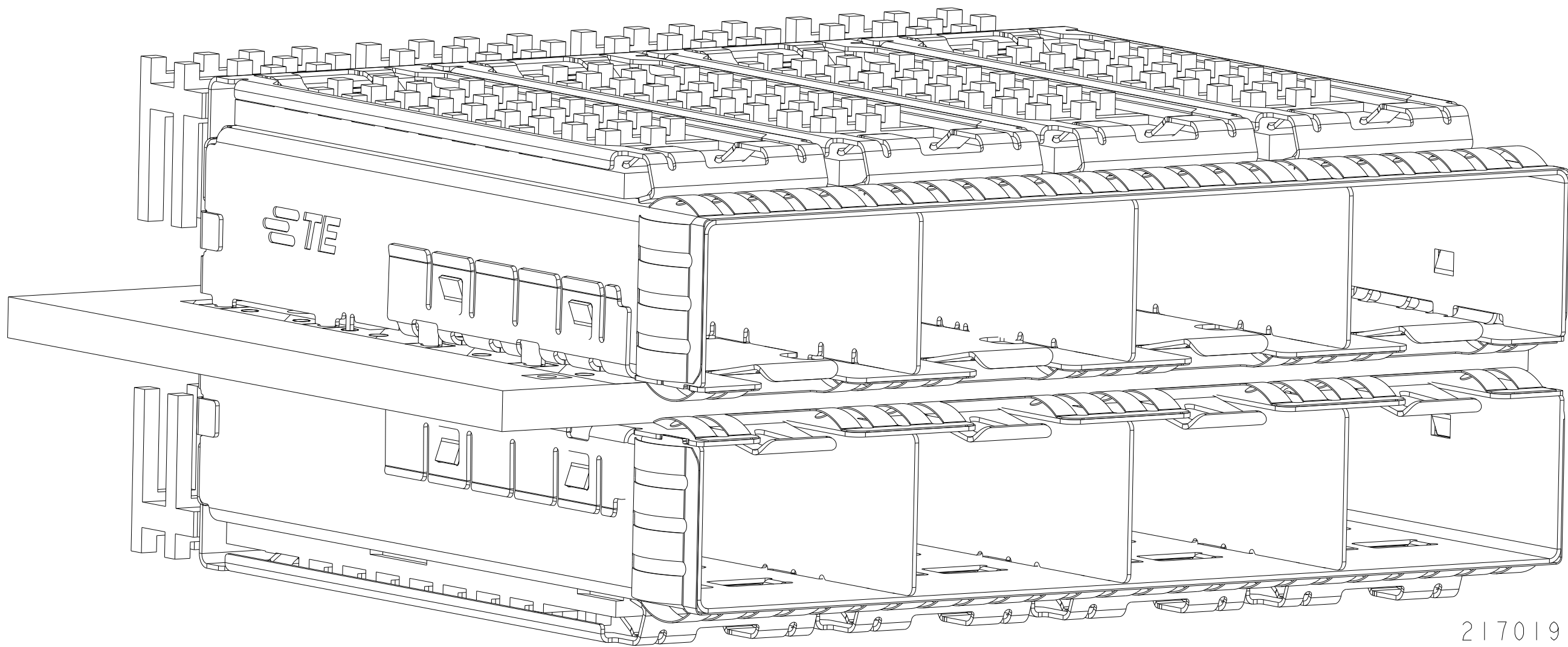
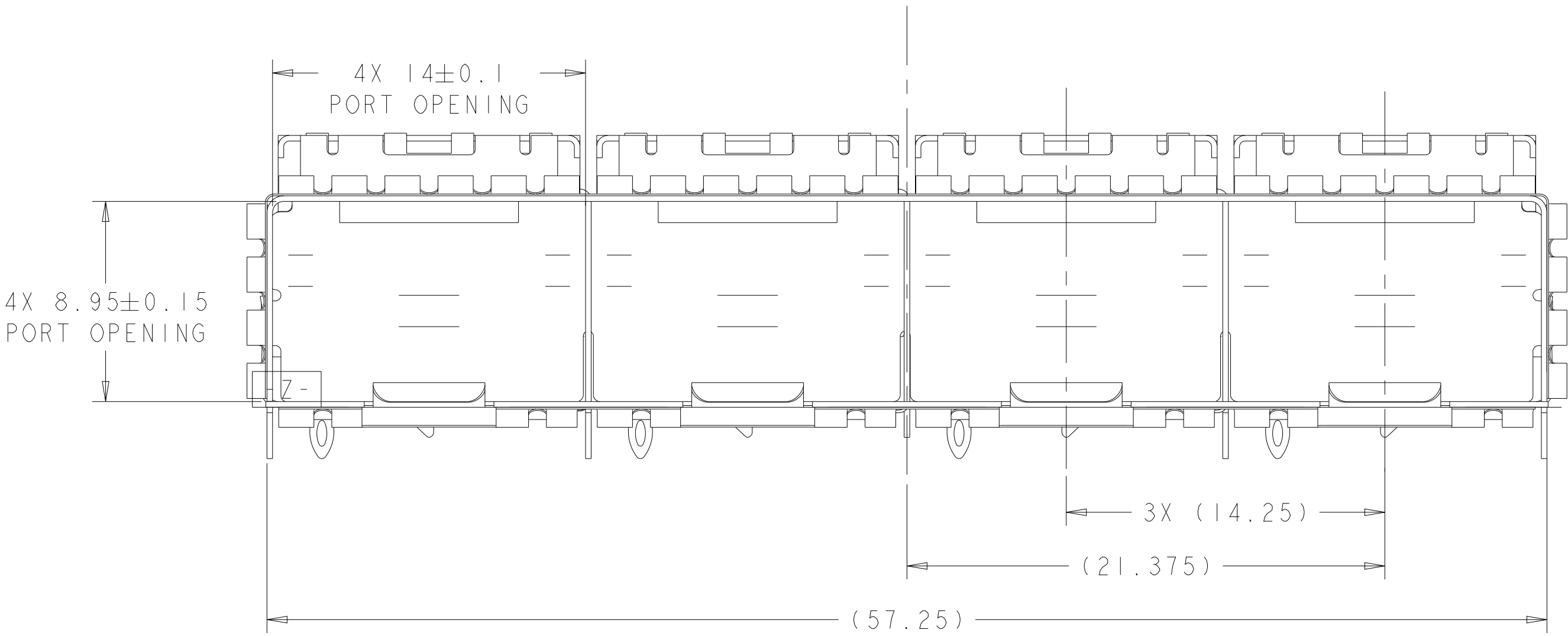
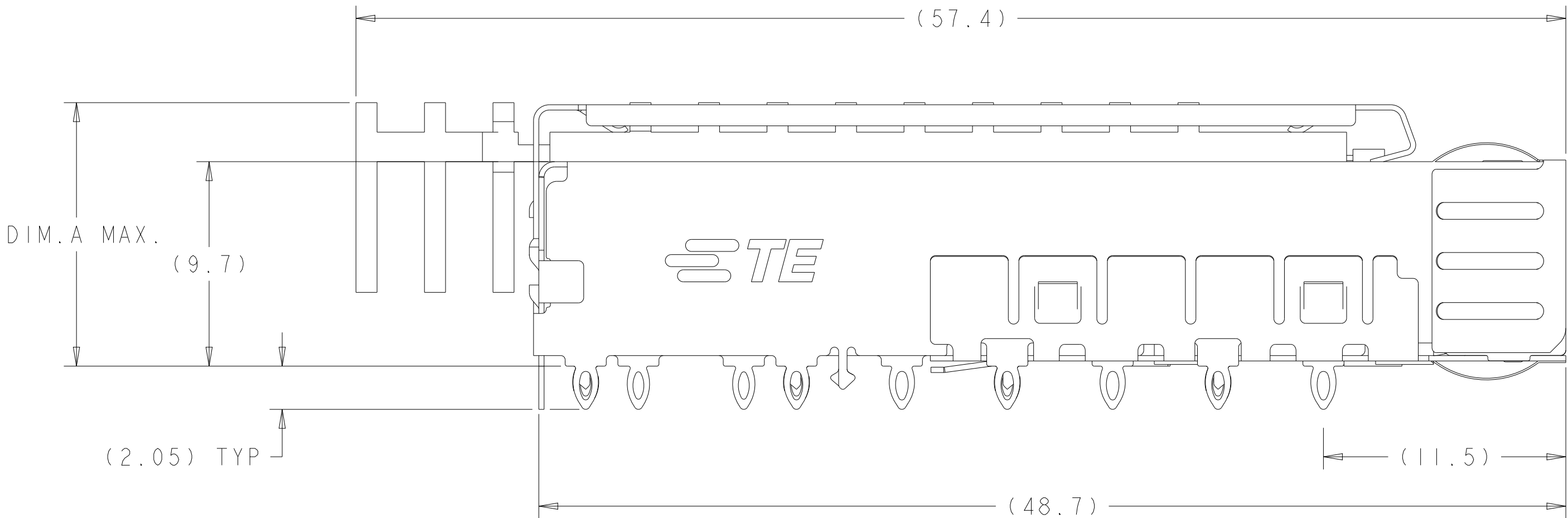
CERTAIN MATING TRANSCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD BE DETERMINED BY THE CUSTOMER.
- 12

PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FROM FACTOR FOR SFP+ GANGED CAGES.
- 13

DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE

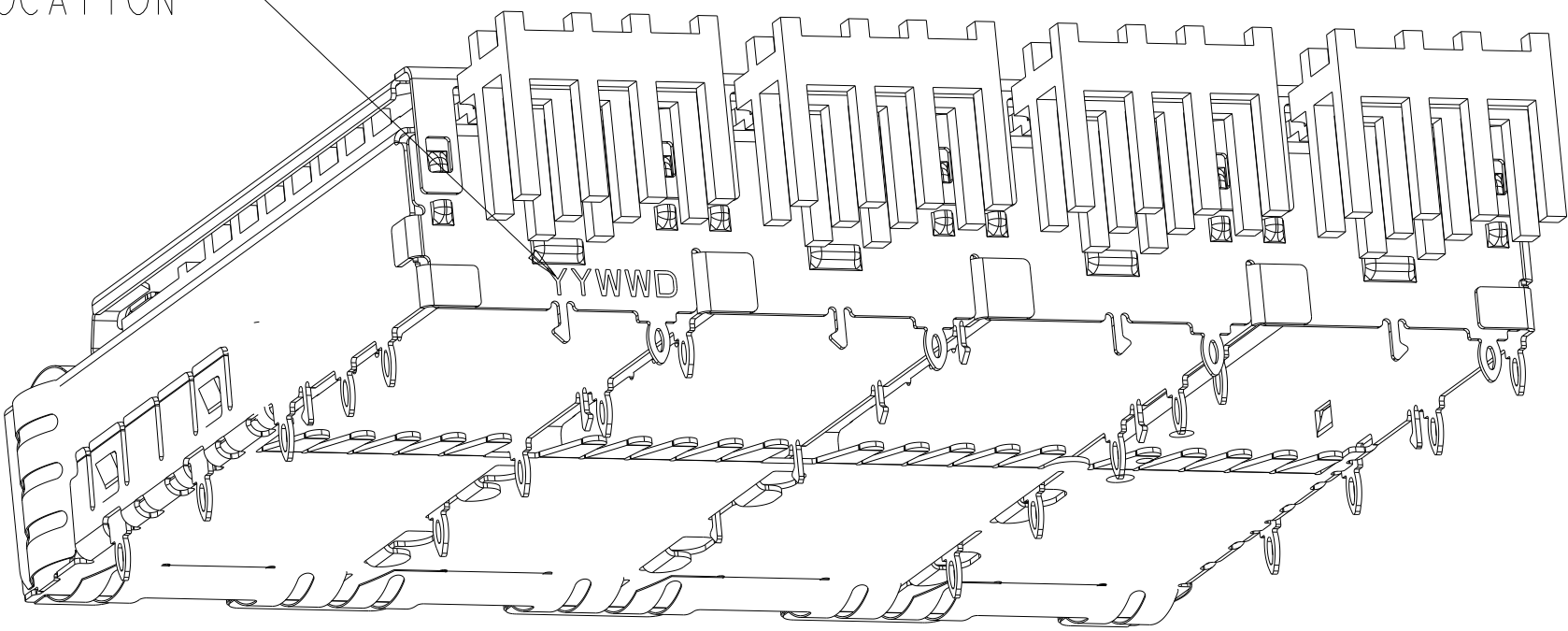


2170191-1
FINISHED ASSEMBLY



2170191-1
MOUNTED BELLY TO BELLY ON PCB
SCALE 4:1

APPROX. DATE CODE
LOCATION

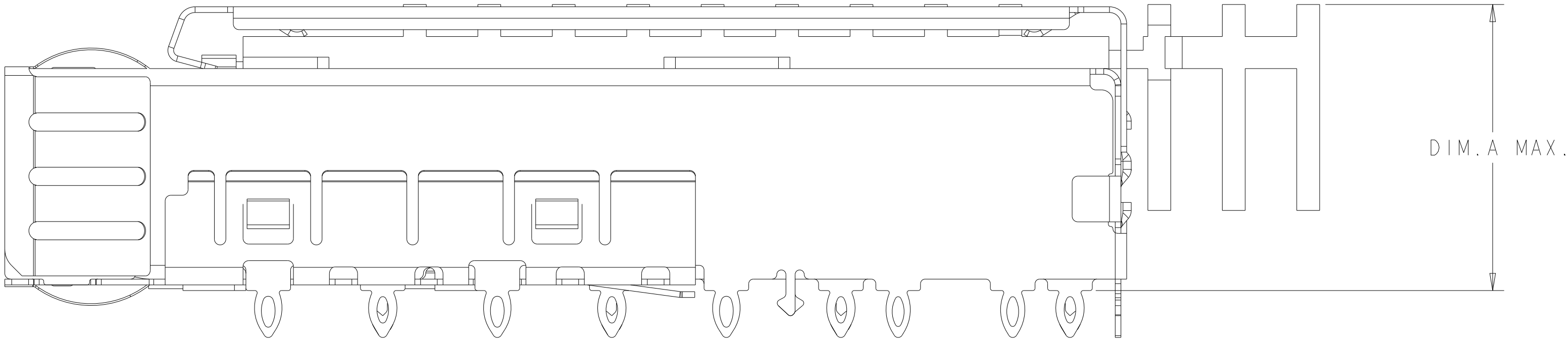


SCALE 3:1

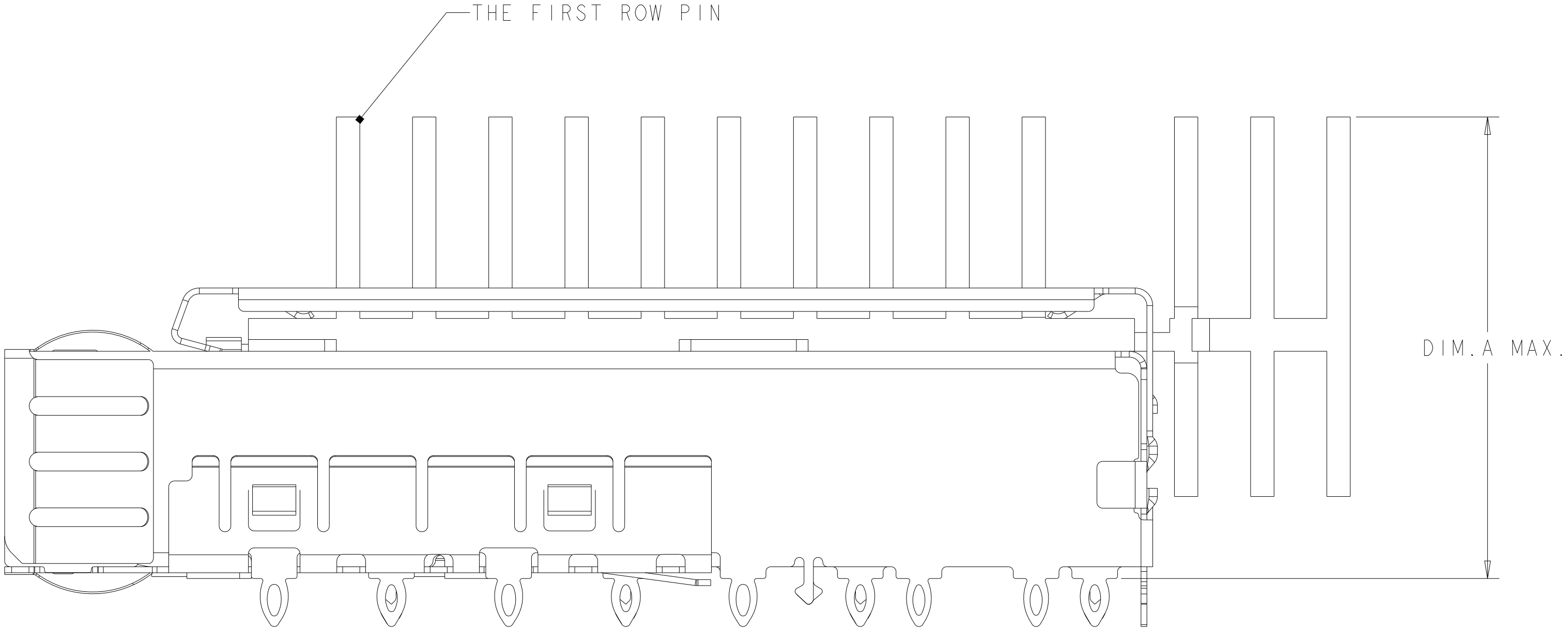
20.2	HEAT SINK W/ THE FIRST ROW PIN	2170191-2
13	HEAT SINK W/O THE FIRST ROW PIN	2170191-1
A MAX	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE	23NOV2011	TE Connectivity	
		CHK ALEX CAI	23NOV2011		
DIMENSIONS:		APVD ALEX CAI	23NOV2011	NAME	
mm		PRODUCT SPEC		SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		108-2364		SIZE	
		APPLICATION SPEC		CAGE CODE DRAWING NO	
		114-13120		RESTRICTED TO	
MATERIAL		WEIGHT		A100779C=2170191	
		CUSTOMER DRAWING		SCALE 5:1 SHEET 1 OF 5 REV A	


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



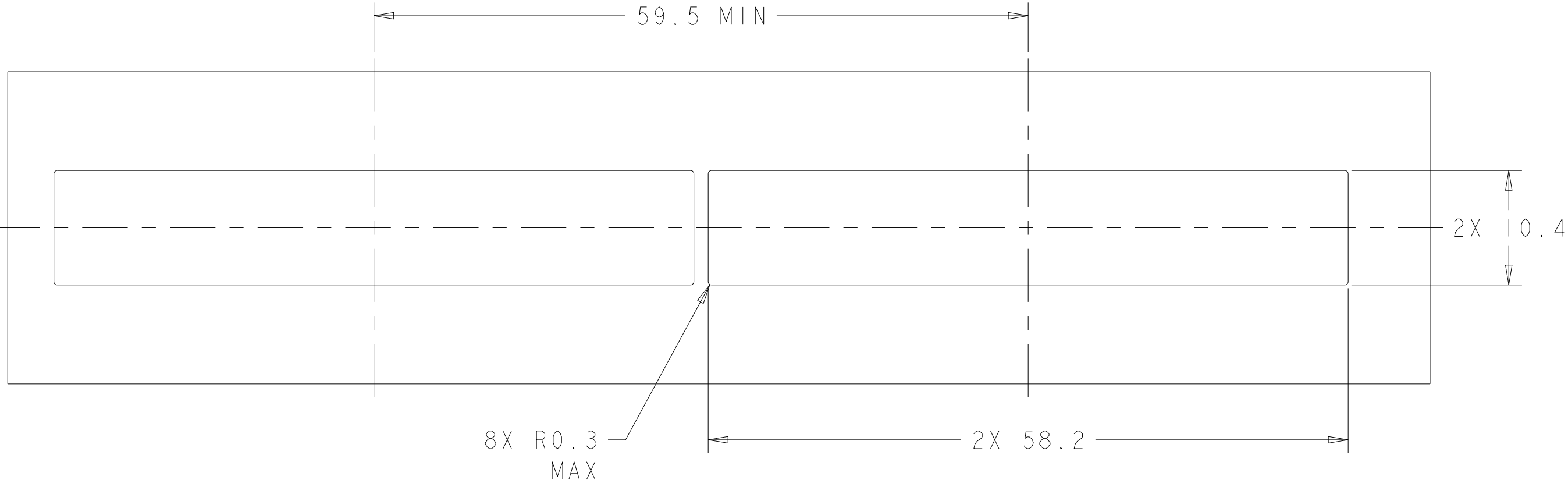
2170191-1 AS SHOWN
HEAT SINK W/O THE FIRST ROW PIN



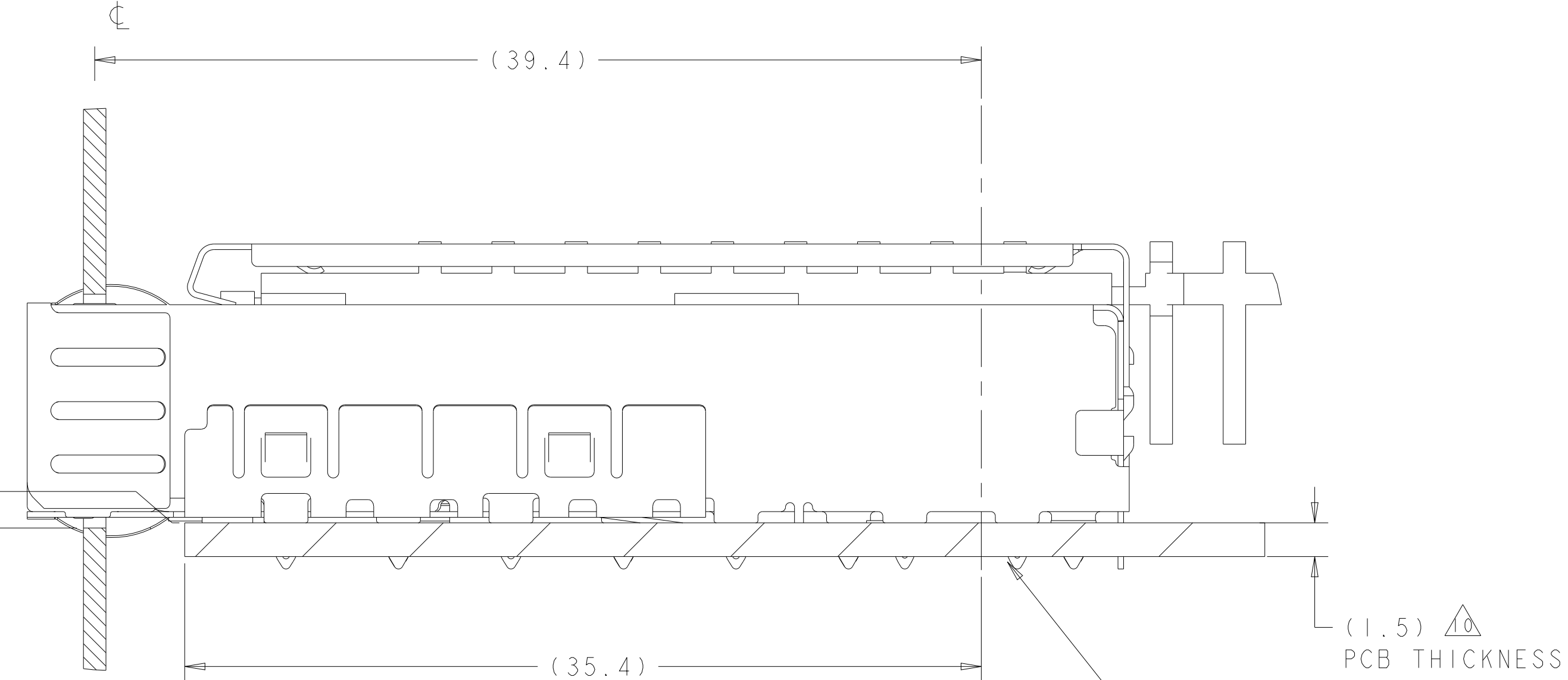
2170191-2 AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	TIM XUE		23NOV2011		 TE Connectivity				
				CHK	ALEX CAI		23NOV2011						
				APVD	ALEX CAI		23NOV2011		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK				
DIMENSIONS:				TOLERANCES UNLESS OTHERWISE SPECIFIED:						PRODUCT SPEC 108-2364			
mm													

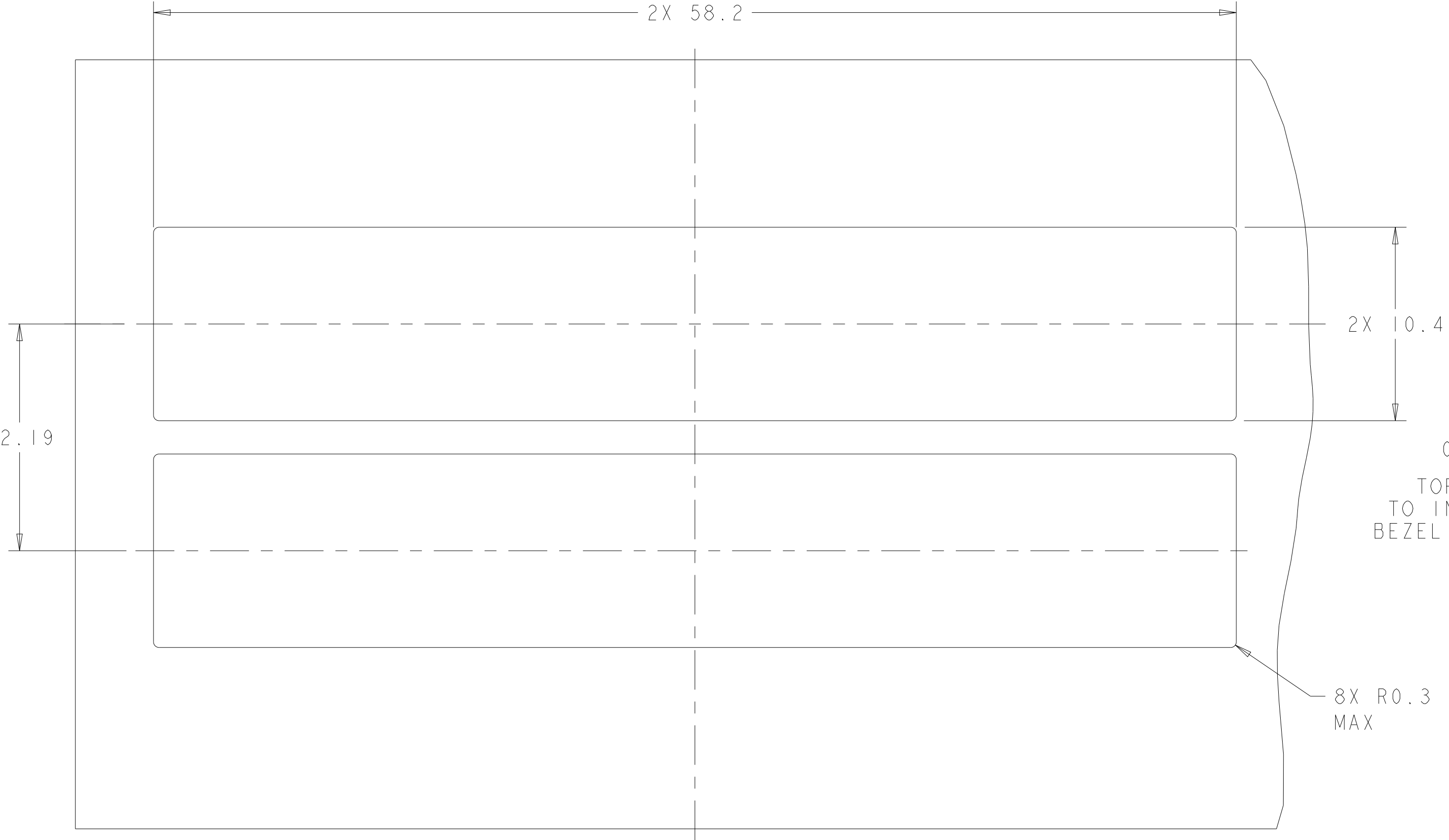
LOC		DIST		REVISIONS				
GP		P	LYR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	



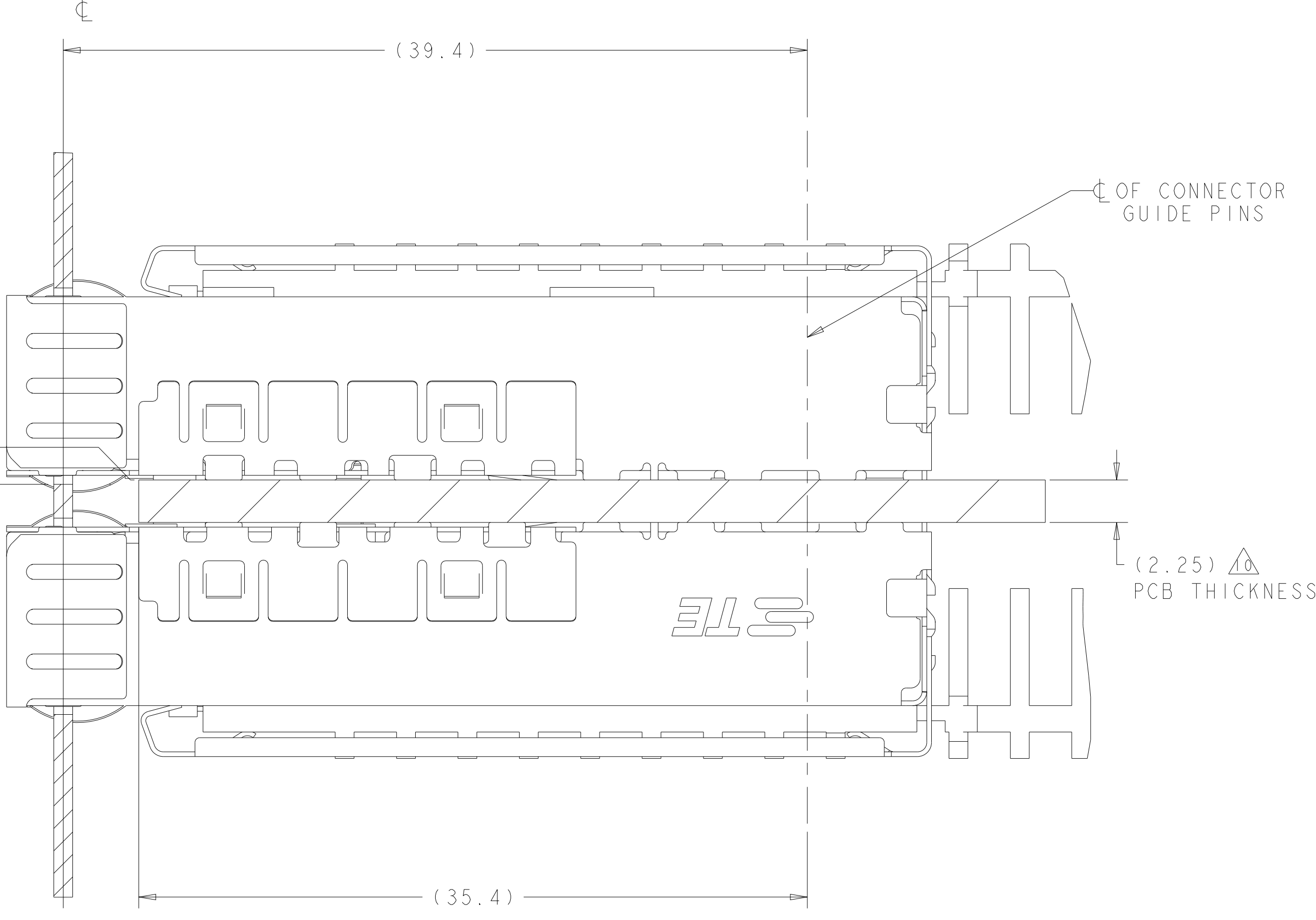
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 5:2







2149730
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

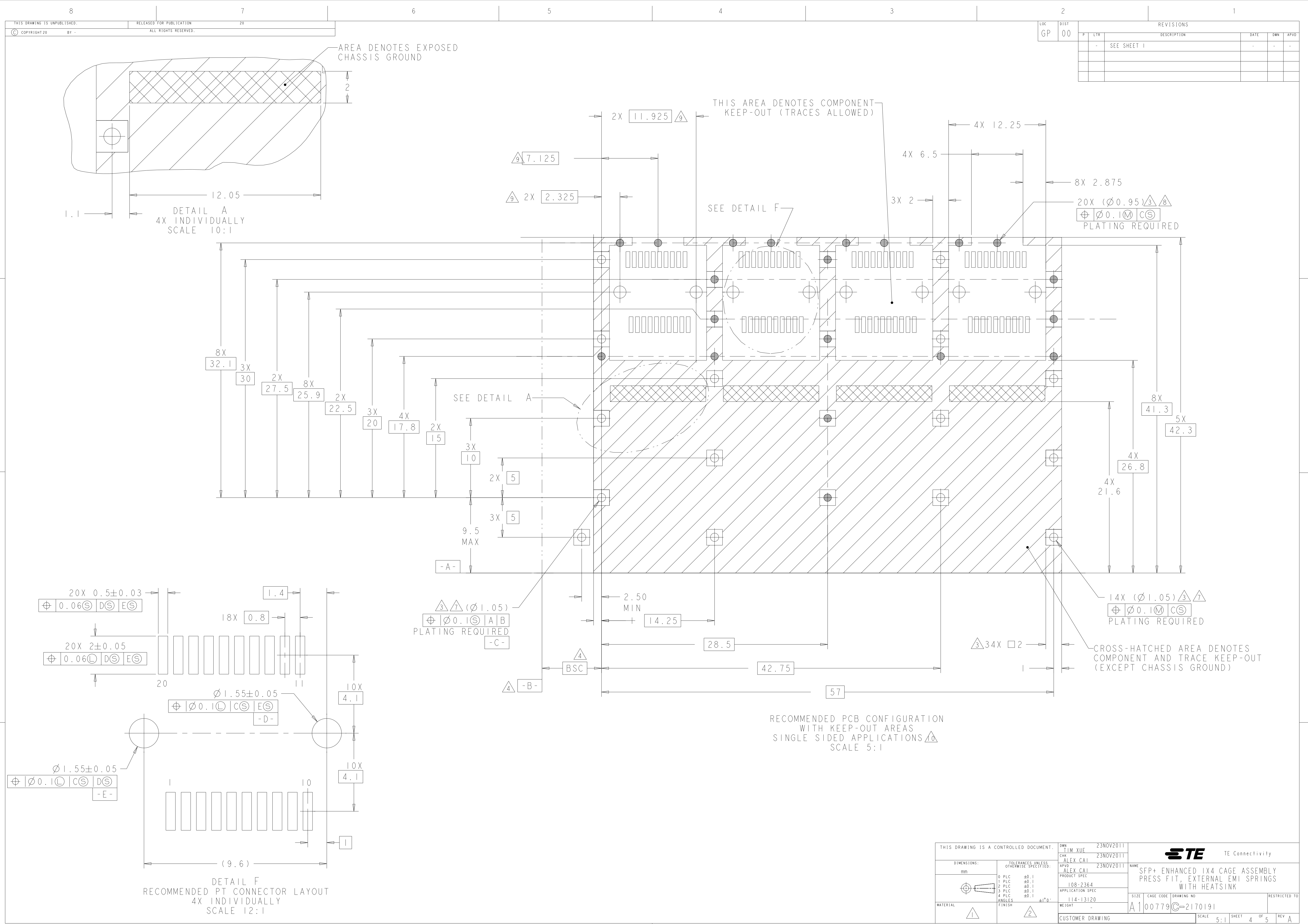


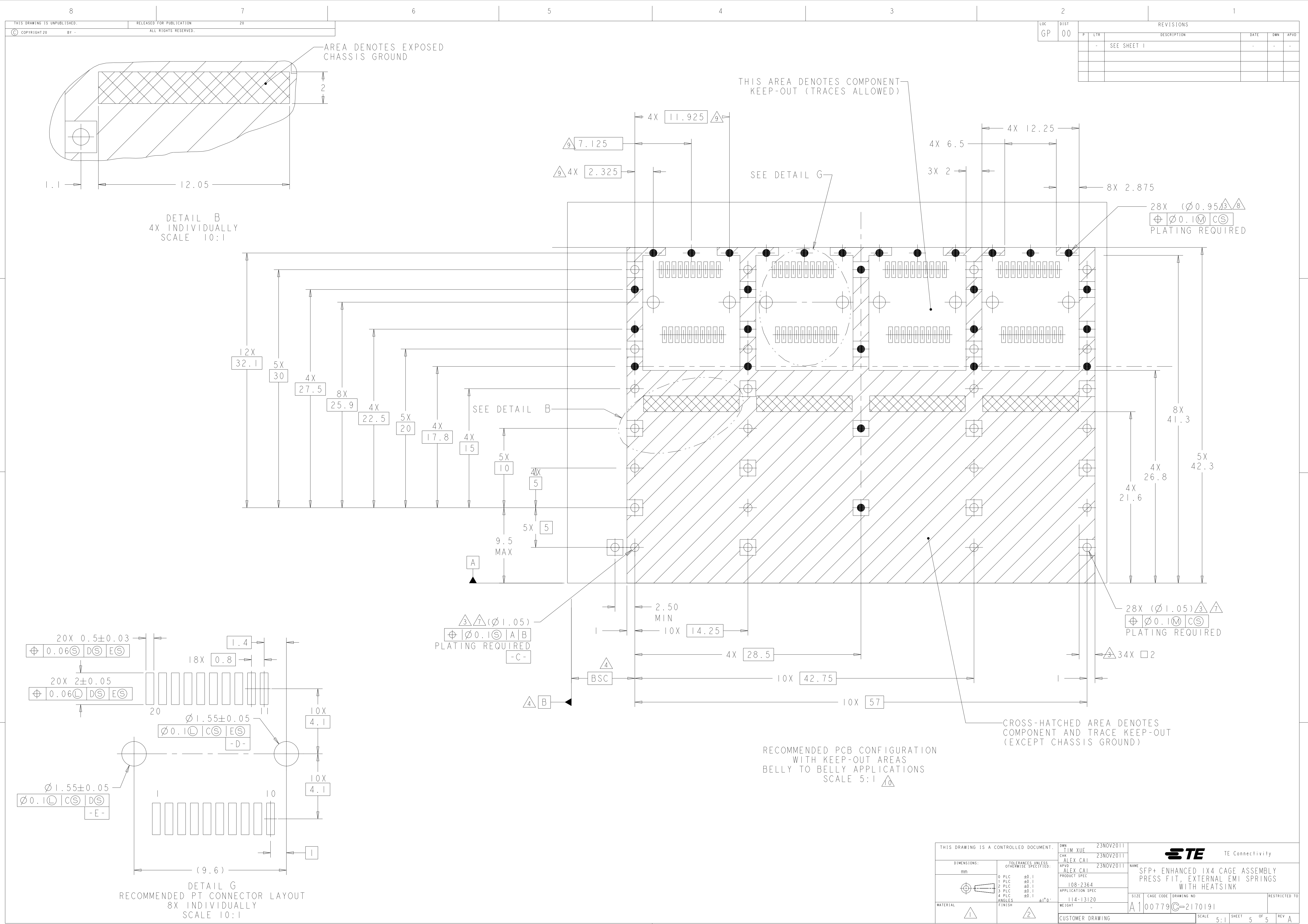
RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS


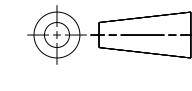

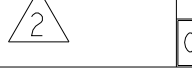


2149730
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	TIM XUE		23NOV2011		 TE Connectivity												
				CHK	ALEX CAI		23NOV2011														
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	ALEX CAI		23NOV2011		NAME		SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK										
mm		0 PLC ±0.1		PRODUCT SPEC																	
		1 PLC ±0.1		108-2364																	
		2 PLC ±0.1		APPLICATION SPEC																	
		3 PLC ±0.1		114-13120																	
		4 PLC ±0.1		WEIGHT																	
ANGLES		±1°		CUSTOMER DRAWING				SIZE							CAGE CODE		DRAWING NO		RESTRICTED TO		
MATERIAL								A1							00779		C=2170191				
										SCALE		5:1		SHEET 3 OF 5		REV A					





THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TIM XUE	23NOV2011	 TE Connectivity	
DIMENSIONS:		CHK ALEX CAI	23NOV2011		
mm		APVD ALEX CAI	23NOV2011	NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A1	
		0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°		CAGE CODE 00779	
MATERIAL		FINISH		DRAWING NO. 2170191	
				RESTRICTED TO CUSTOMER DRAWING	
				SCALE 5:1	
				SHEET 5 of 5	
				REV A	