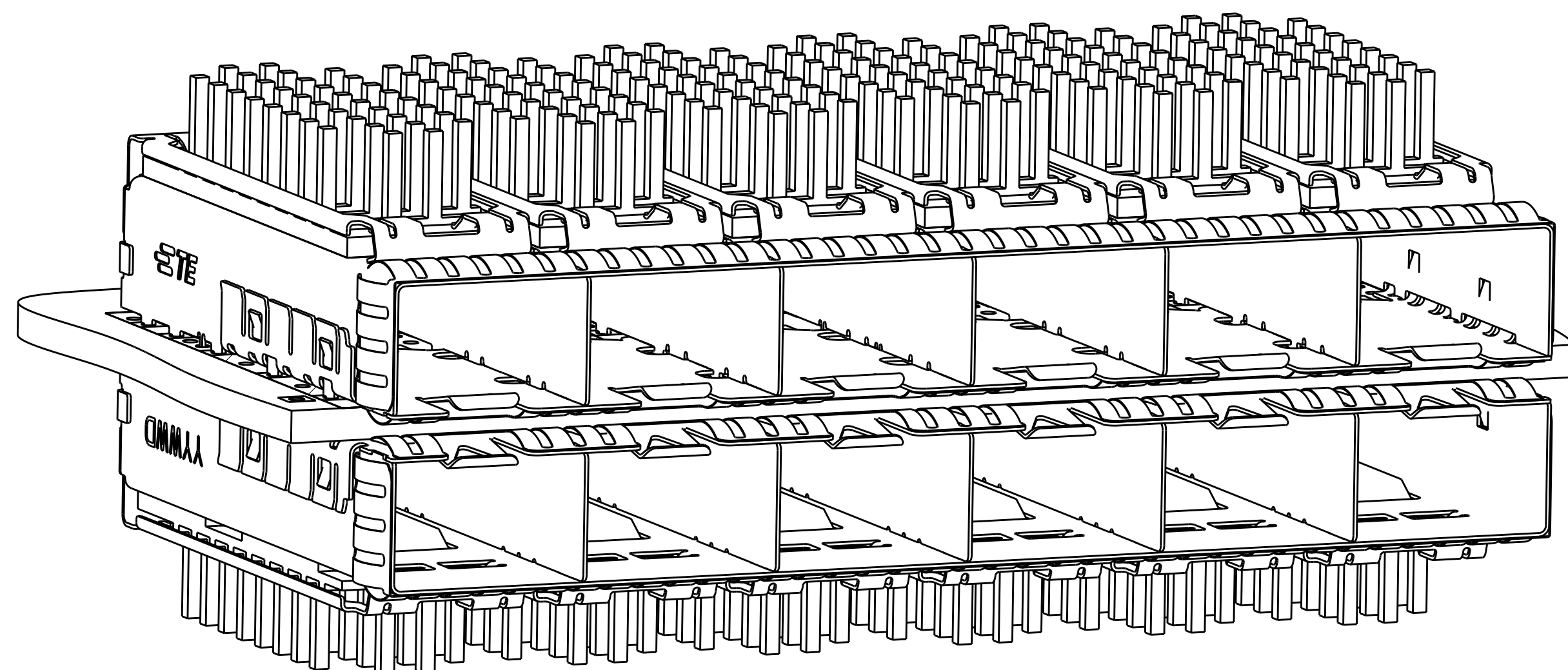
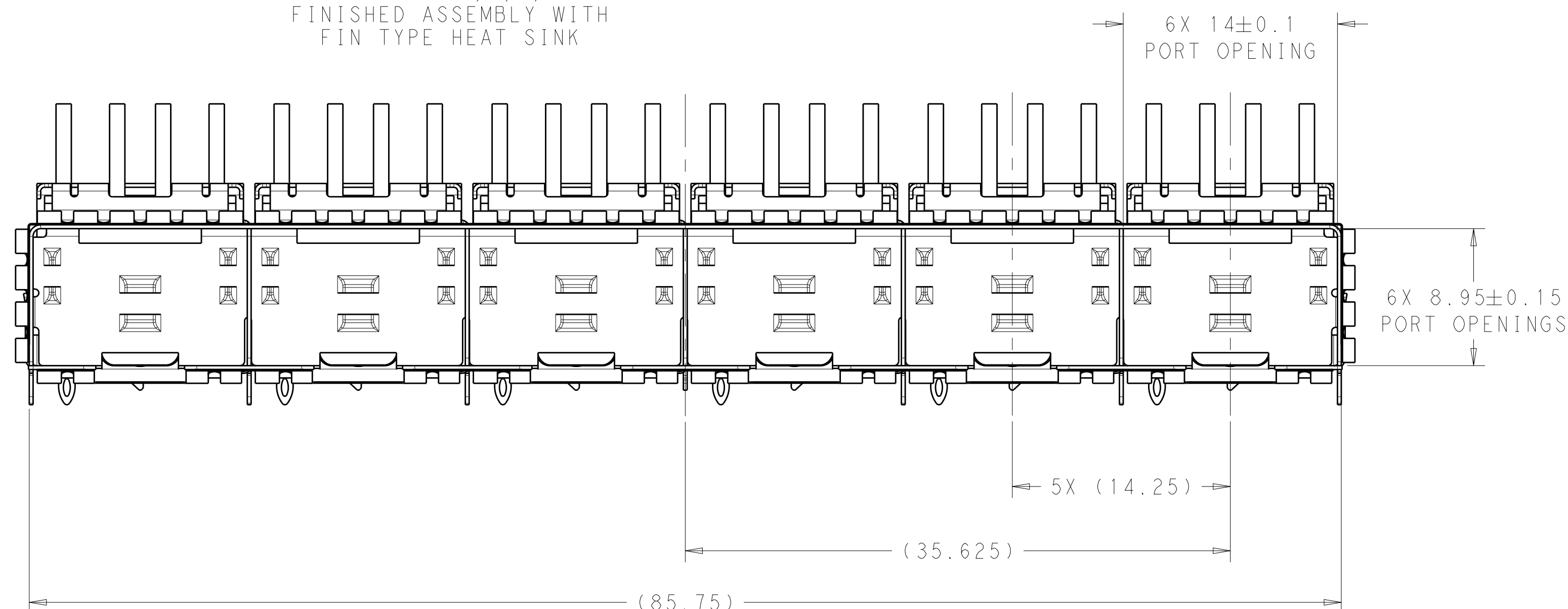
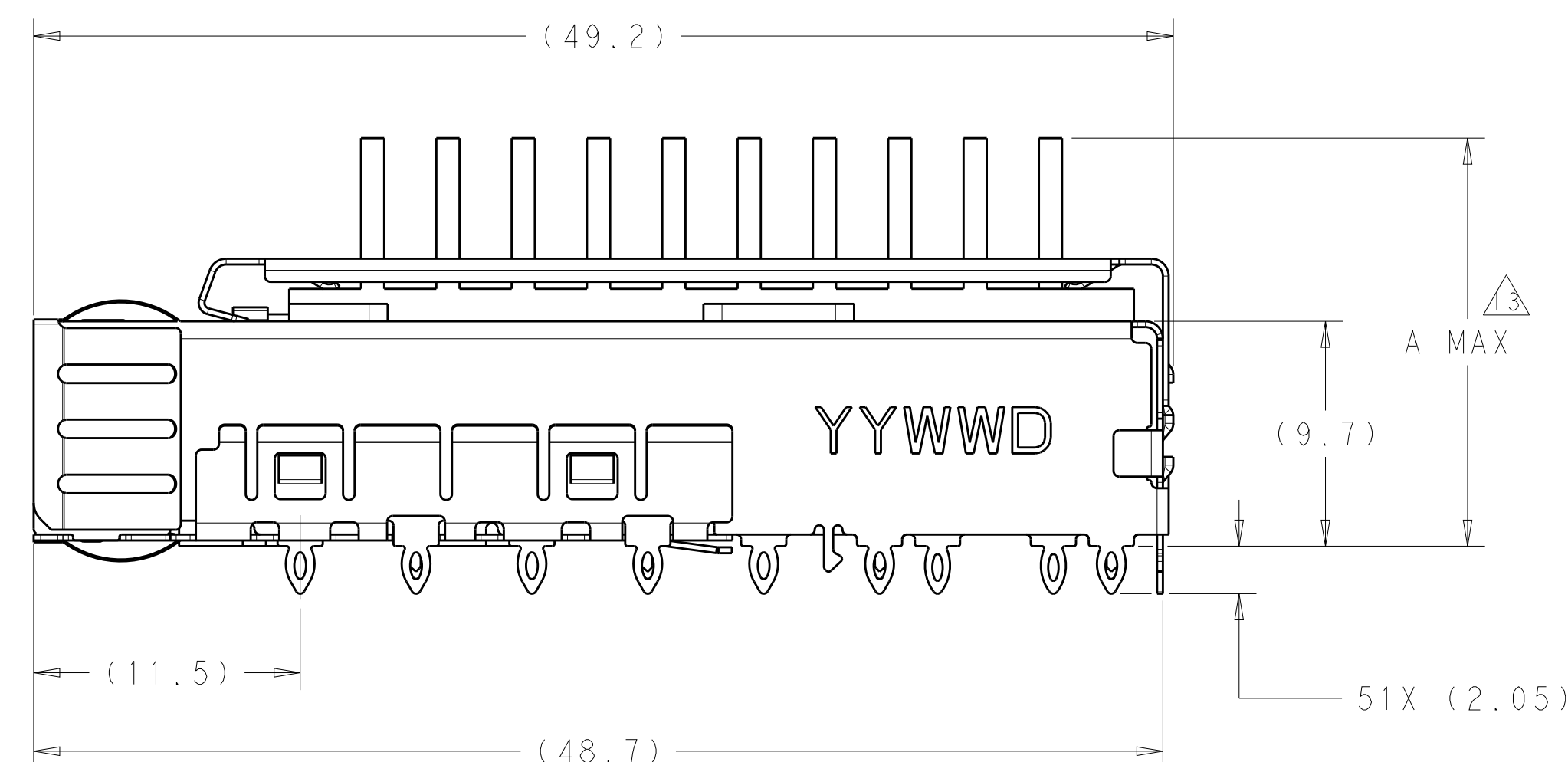




2198235
MOUNTED BELLY TO BELLY ON PCB
SCALE 3:1

- | REV. NO. | | REV. DATE | | REVISIONS | |
|----------|----|-----------|-----|----------------------------|--|
| GP | 00 | P | LTR | DESCRIPTION | |
| | | A | | RELEASED PER ECO-12-013192 | |
| | | B | | RELEASED PER ECO-13-000564 | |
| | | B1 | | RELEASED PER ECO-13-014600 | |
| | | B2 | | RELEASED PER ECO-15-006578 | |

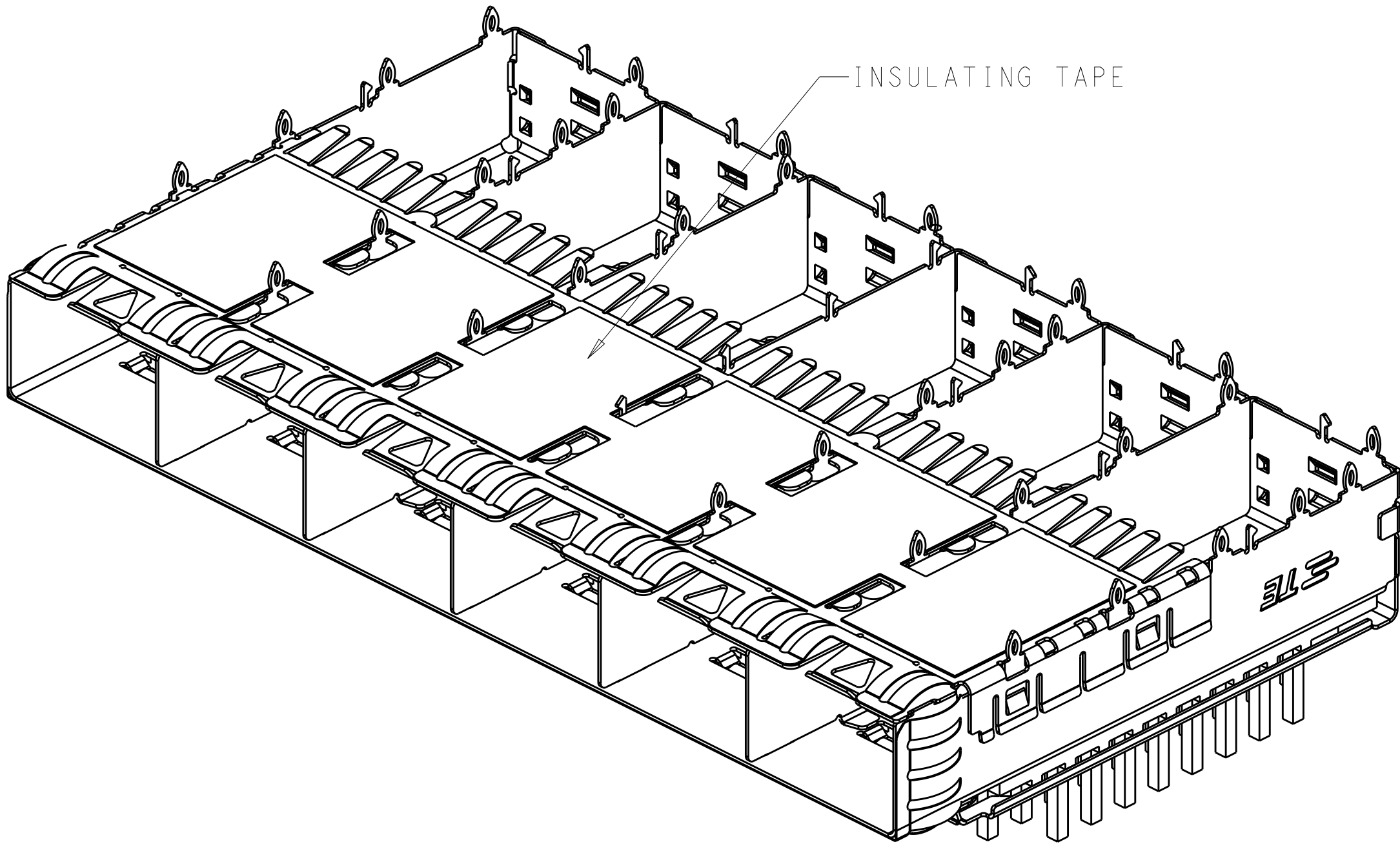
1	MATERIAL:	CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY. HEATSINK CLIP: STAINLESS STEEL HEATSINK: ALUMINUM
2	FINISH:	EMI SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE. NON-PLATED EDGES PERMISSIBLE. HEATSINK CLIP: PASSIVATE HEATSINK: ELECTROLESS NICKEL
3.	MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.	
4	PADS AND VIAS CHASSIS GROUND.	
5.	INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.	
6	MINIMUM PC BOARD THICKNESS:	SINGLE SIDED = 1.50mm DOUBLE SIDED = 2.25mm
7	HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.	
8	DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.	
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 TRANSCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD BE DETERMINED BY THE CUSTOMER.	
12.	PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.	
13.	DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE	



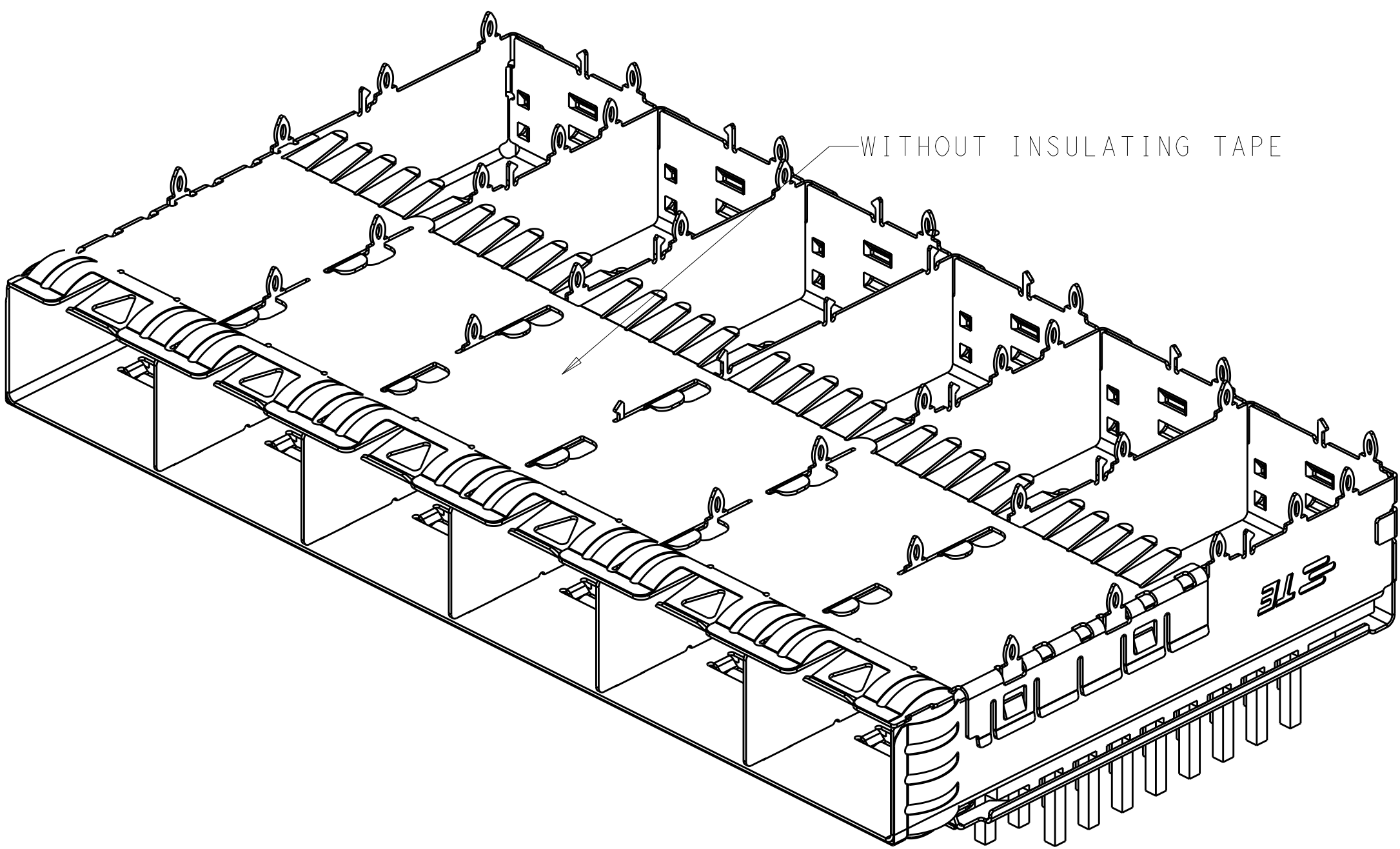
FIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2198235-9
FIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2198235-8
FIN TYPE	W/O INSULATING TAPE	15.5	SAN	2198235-7
FIN TYPE	W/O INSULATING TAPE	13.2	PCI	2198235-6
PIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2198235-5
PIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2198235-4
PIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2198235-3
PIN TYPE	W/O INSULATING TAPE	15.5	SAN	2198235-2
PIN TYPE	W/O INSULATING TAPE	13.2	PCI	2198235-1
HEAT SINK	DESCRIPTION	A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS 15NOV2011 CHK M. SCHMITT 15NOV2011 APP'D M. SCHMITT 15NOV2011		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.1 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.1 4 PLC ± 0.1 ANGLES $\pm 1^\circ$		NAME SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EM1 SPRINGS WITH HEATSINK PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT -	
MATERIAL 		FINISH 		SIZE CASE CODE DRAWING NO. RESTRICTED TO A100779 C=2198235 - -	
Customer Drawing				SCALE 4:1 SHEET 1 of 7 REV A	

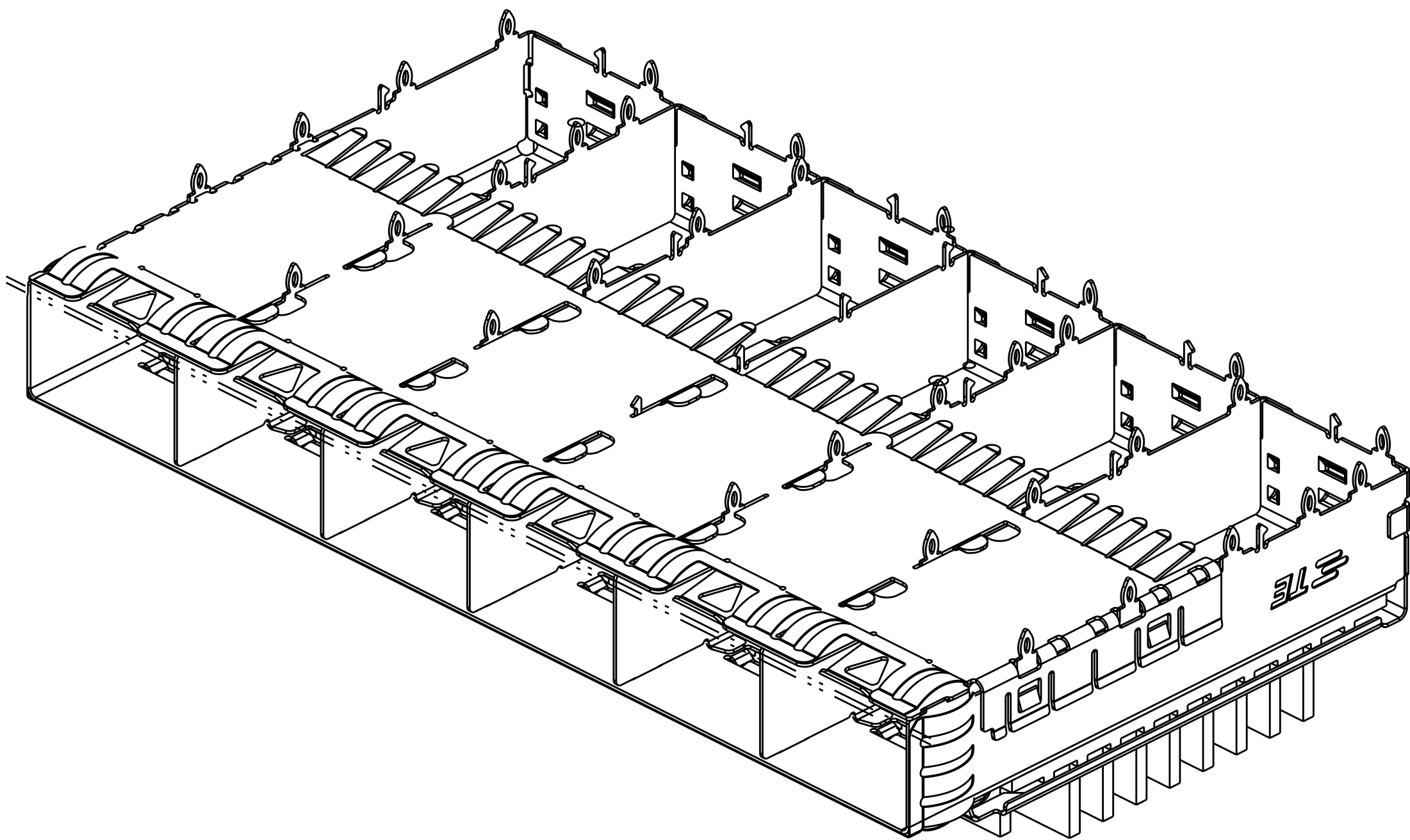
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



2198235-5 AS SHOWN WITH INSULATING TAPE
WITH PIN TYPE HEAT SINK

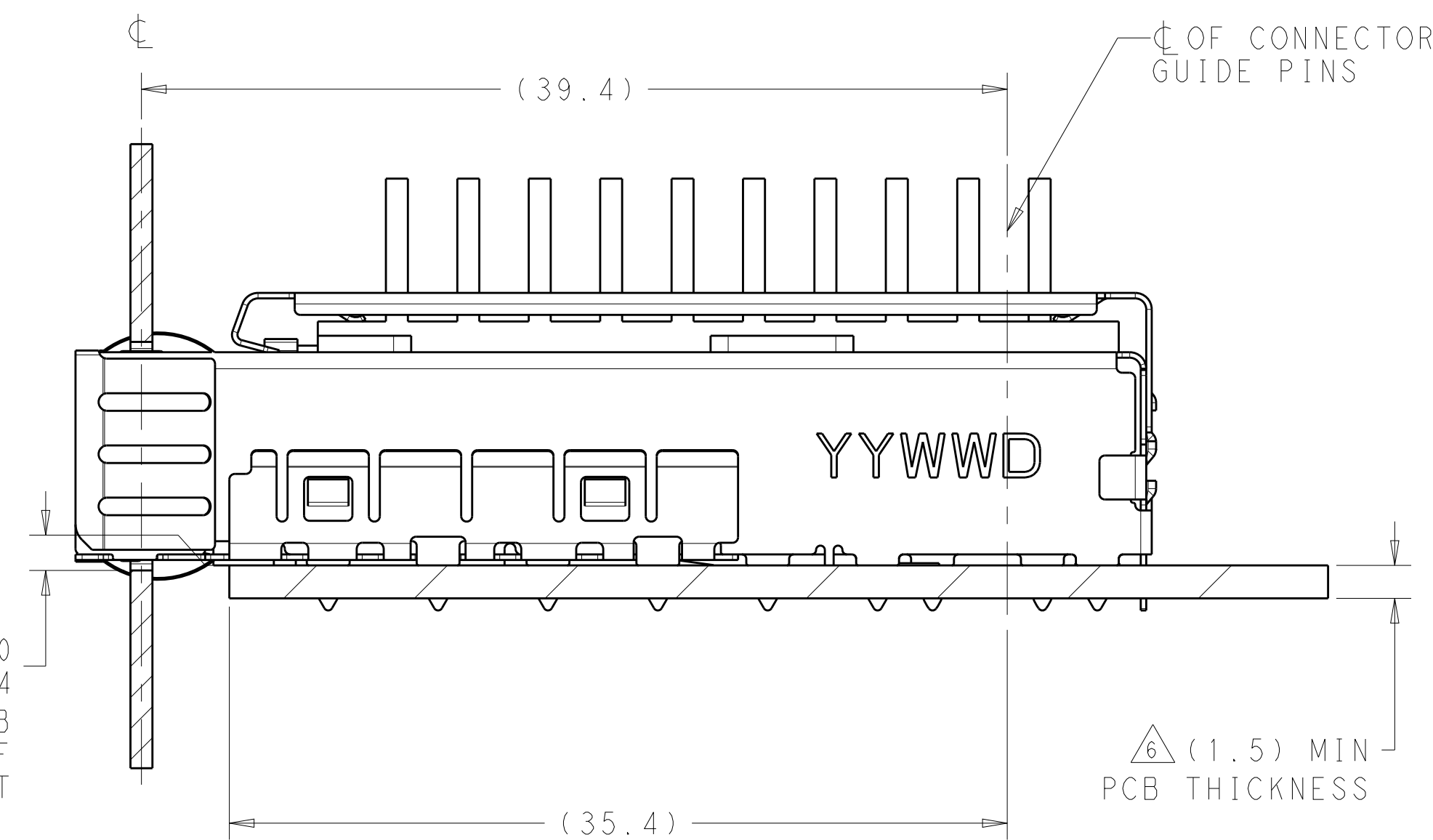


2198235-1,2,3,4 WITHOUT INSULATING TAPE
WITH PIN TYPE HEAT SINK

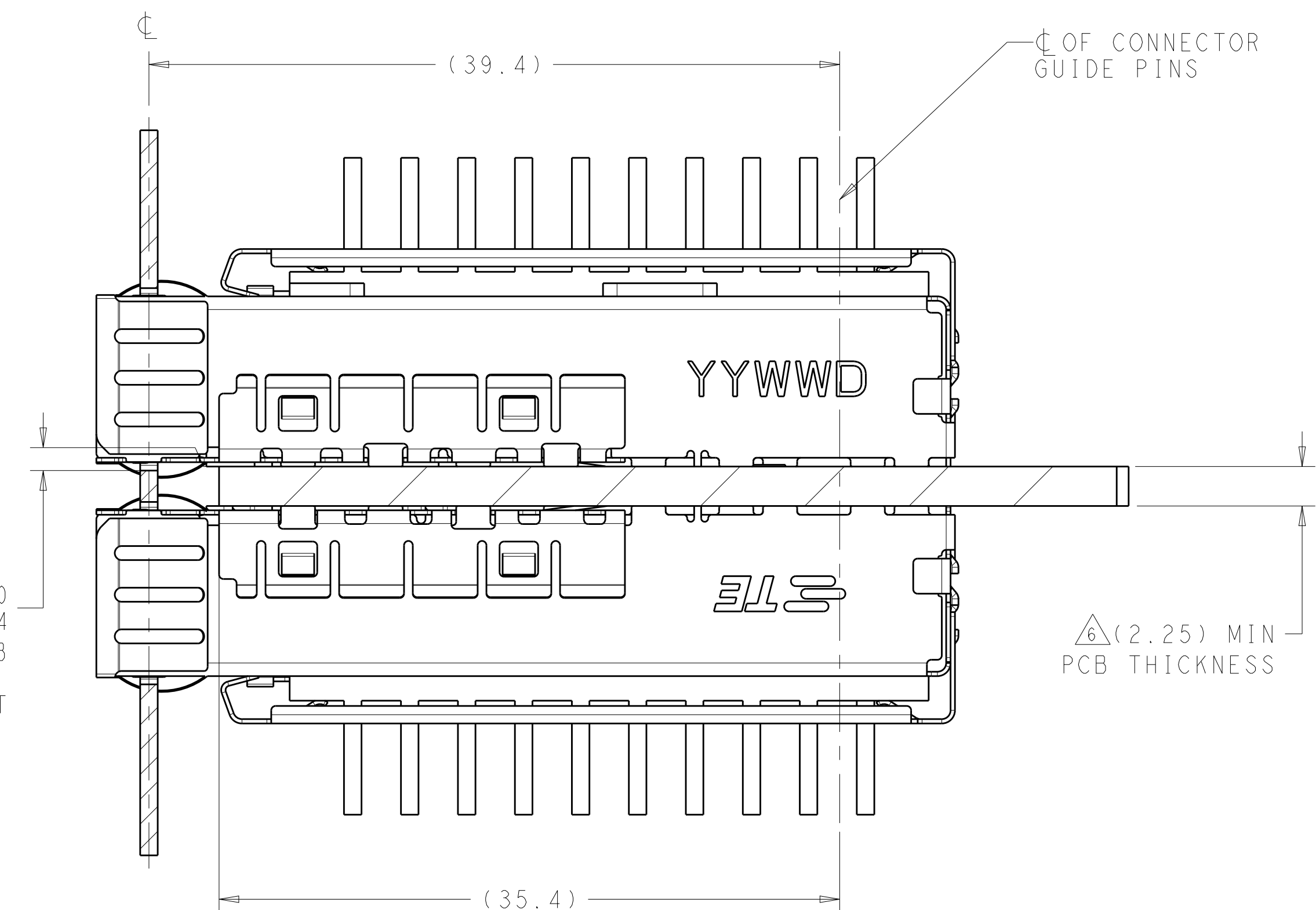


2198235-6,7,8,9 AS SHOWN WITHOUT INSULATING TAPE WITH FIN TYPE HEAT SINK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS	15NOV2011	TE Connectivity	
		CHK M. SCHMITT	15NOV2011		
		APVD M. SCHMITT	15NOV2011	NAME SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
mm		0 PLC ±0.1		108-2364	
		1 PLC ±0.1		APPLICATION SPEC	
		2 PLC ±0.1		114-13120	
		3 PLC ±0.1		WEIGHT	
		4 PLC ±0.1		Customer Drawing	
		ANGLES ±1°		SCALE 4:1	
		FINISH		SHEET 2 OF 7	
MATERIAL				REV B2	

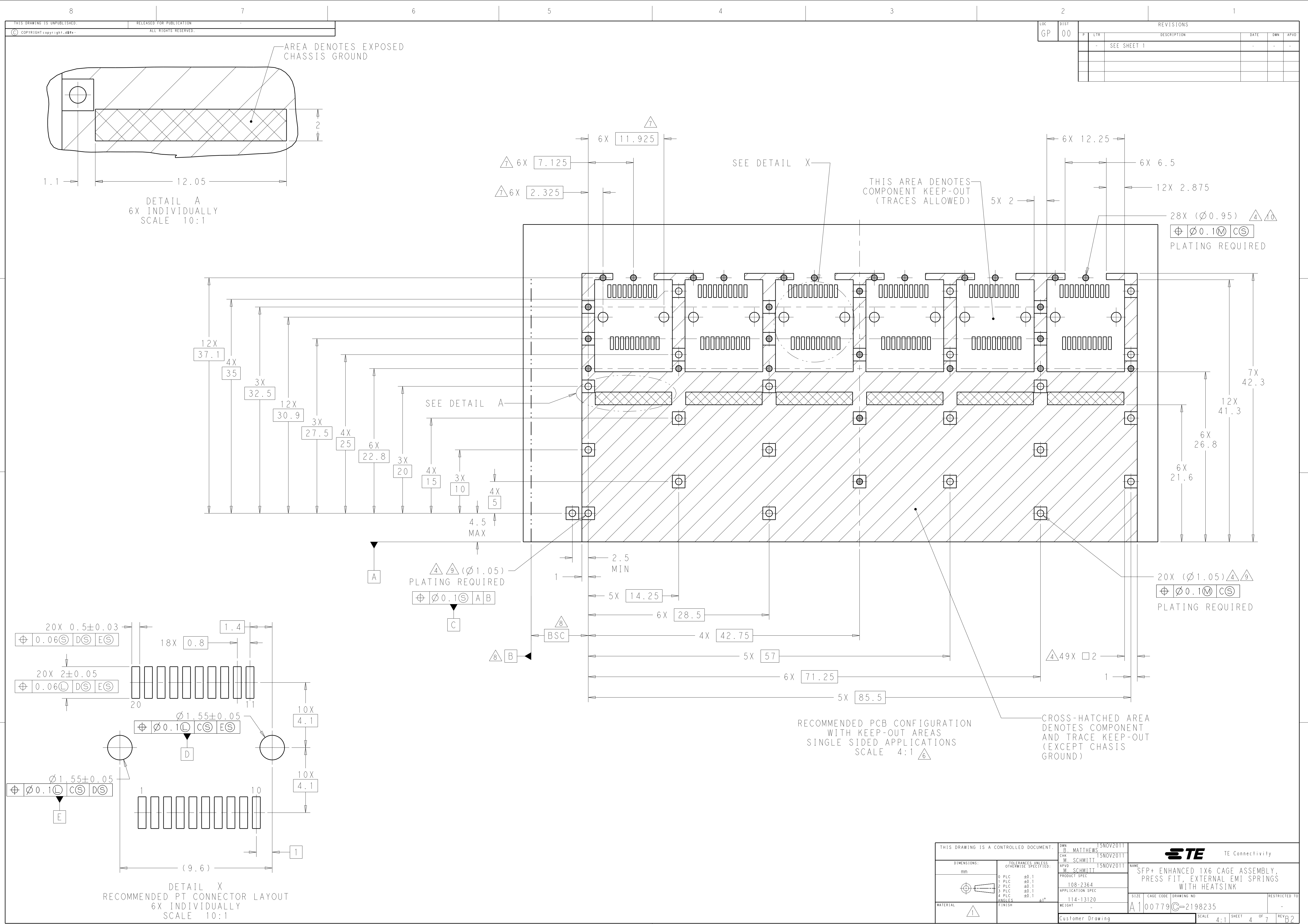


2198235
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



2198235
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS 15NOV2011 CHK M. SCHMITT 15NOV2011		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.1 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.1 4 ANGLES $\pm 1^\circ$		NAME SFP+ ENHANCED IXX6 GAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120		SIZE A1	
MATERIAL 		FINISH WEIGHT -		DRAWING NO C=2198235	
Customer Drawing		SCALE 4:1		SHEET 3 OF 7 REV B2	



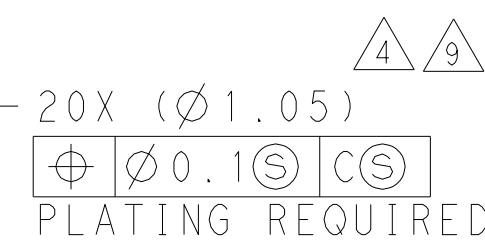
LOC		DIST		REVISONS			
GP	00	P	LYR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS CHK M. SCHMITT APVD W. SCHMITT	15NOV2011 15NOV2011 15NOV2011		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1° FINISH	PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT -	NAME SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK		
MATERIAL 		Customer Drawing	SIZE A1	CAGE CODE 00779	DRAWING NO. C=2198235
		SCALE 4:1	SHEET 4	OF 7	REV B2



THIS PRINT IS
PRELIMINARY
UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. 15NOV2011 B. MATTHEWS CHK. 15NOV2011 M. SCHMITT APP'D. 15NOV2011 M. SCHMITT	 TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME SFP+ ENHANCED 1X6 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	SIZE CAGE CODE DRAWING NO A100779C-2198235	
	0 PLG ±0.1 2 PLG ±0.1 2 PLG ±0.1 3 PLG ±0.1 4 PLG ±0.1 ANGLES ±1°	PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120	RESTRICTED TO	
MATERIAL 	FINISH	WEIGHT -	Customer Drawing	
		SCALE 4:1	SHEET 5 OF 7	REV A

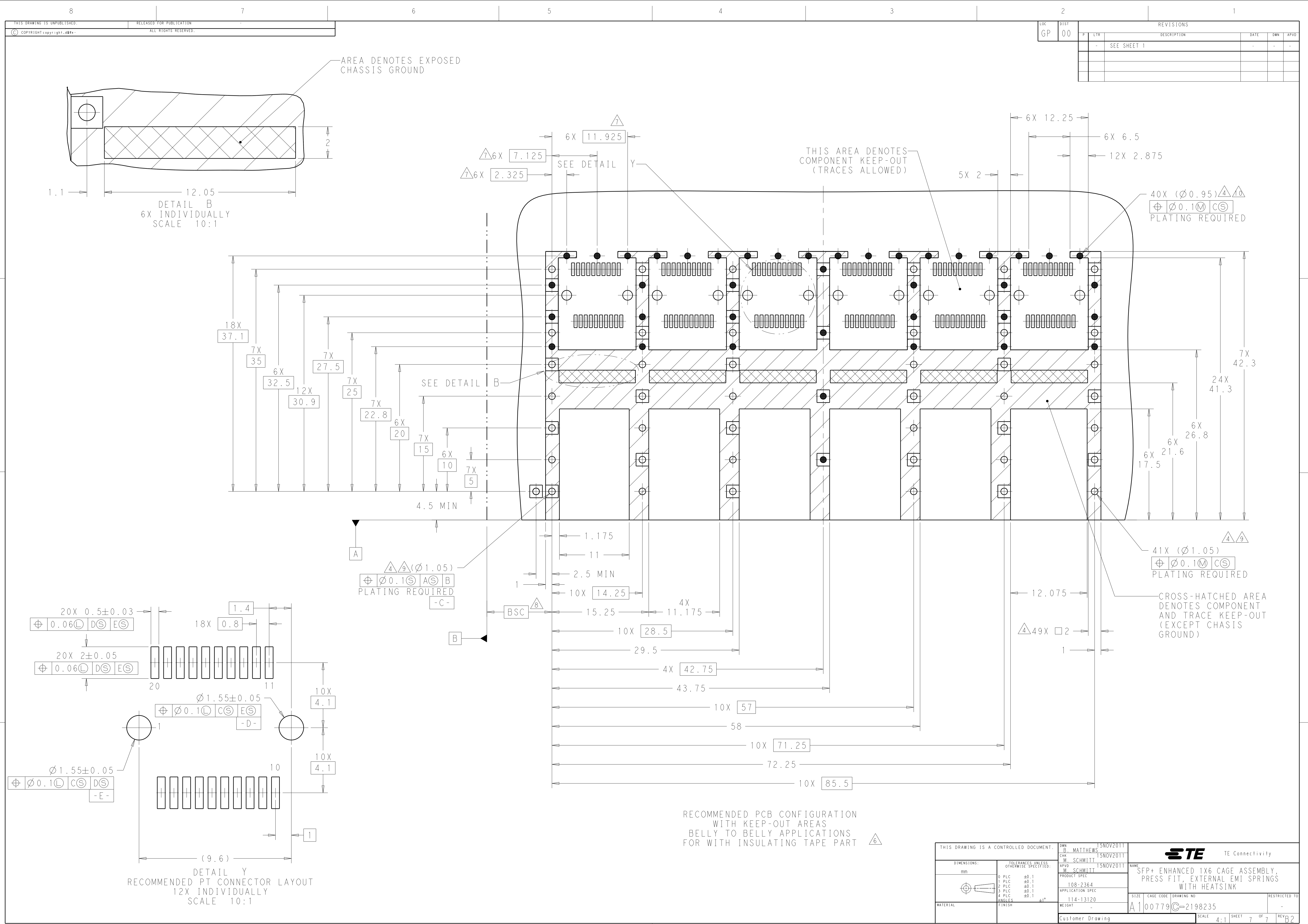


-CROSS-HATCHED AREA
DENOTES COMPONENT
AND TRACE KEEP-OUT
(EXCEPT CHASSIS
GROUND)



RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS
FOR WITH INSULATING TAPE PART 6

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS 15NOV2011 CHG M. SCHMITT 15NOV2011 APVD M. SCHMITT 15NOV2011		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME SFP+ ENHANCED 1X6 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120		SIZE A1	
MATERIAL FINISH		WEIGHT -		CODE C=2198235	
		Customer Drawing		DRAWING NO 2198235	
				SCALE 4:1	
				SHEET 6 OF 7	
				REV B2	



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