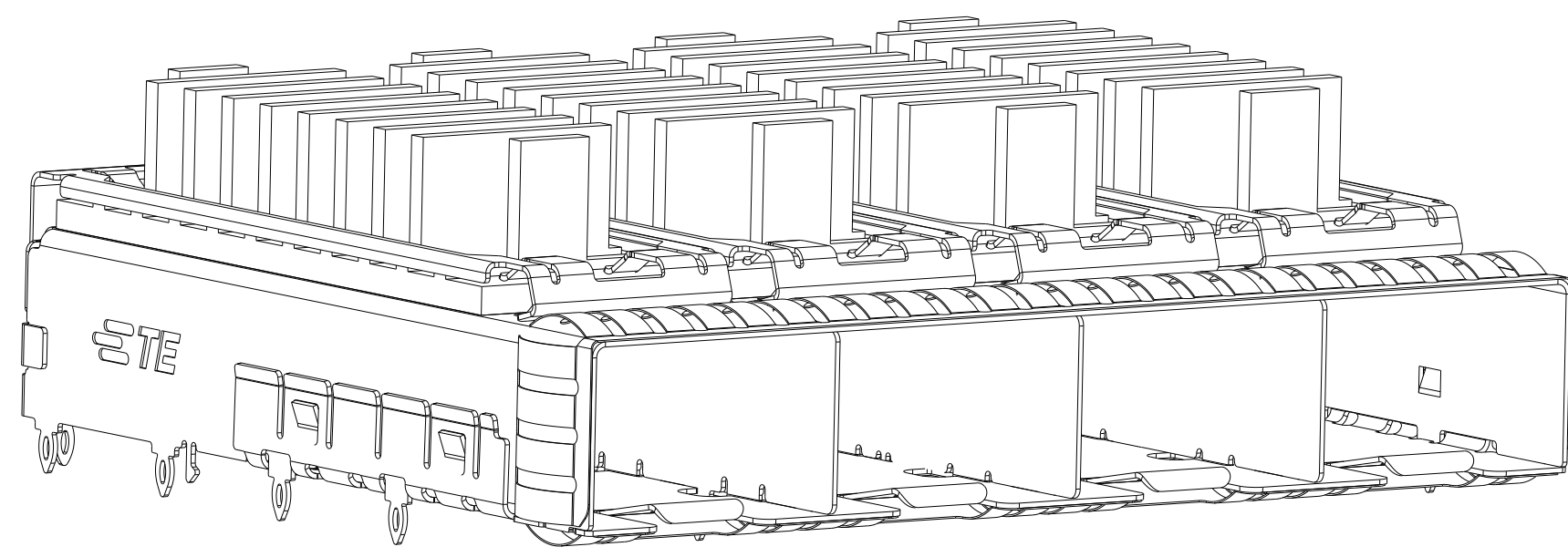
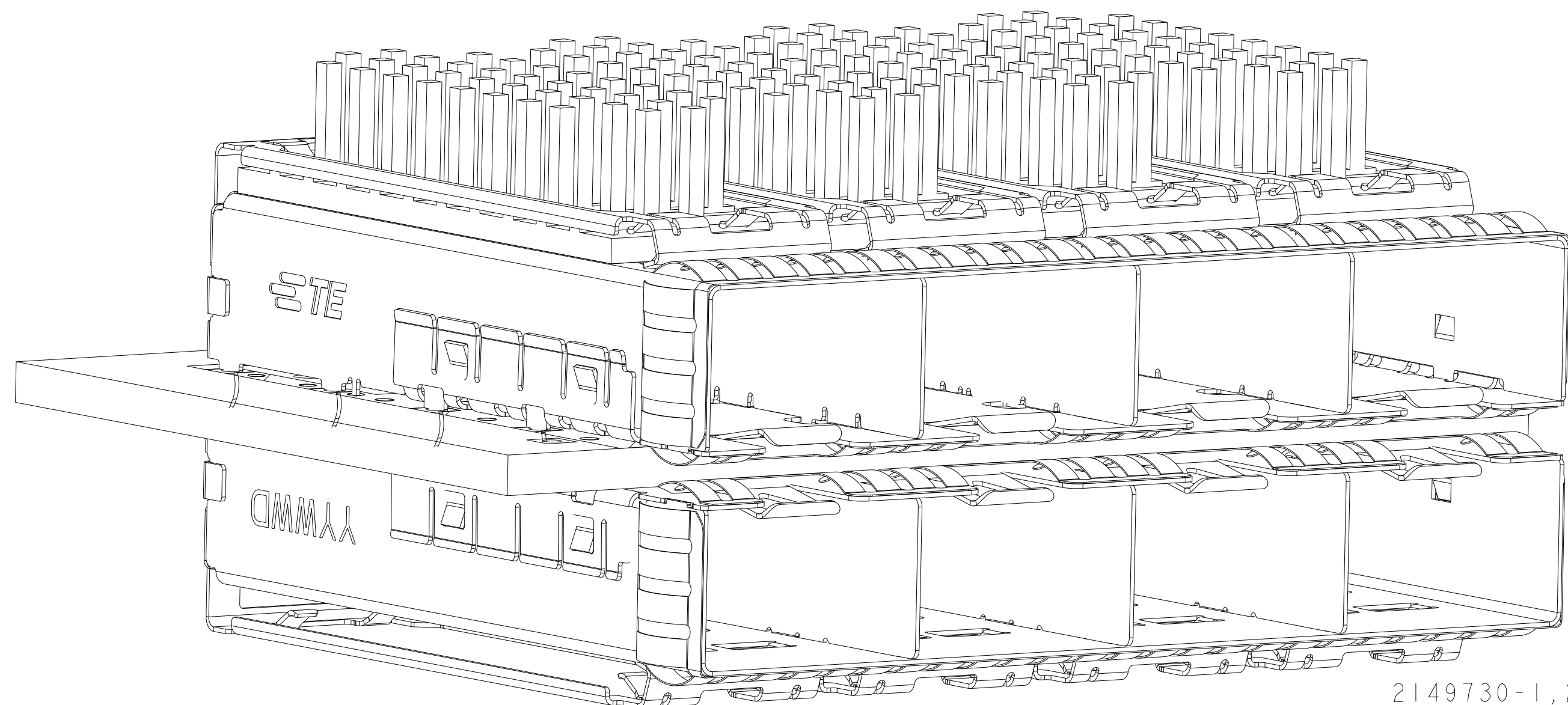
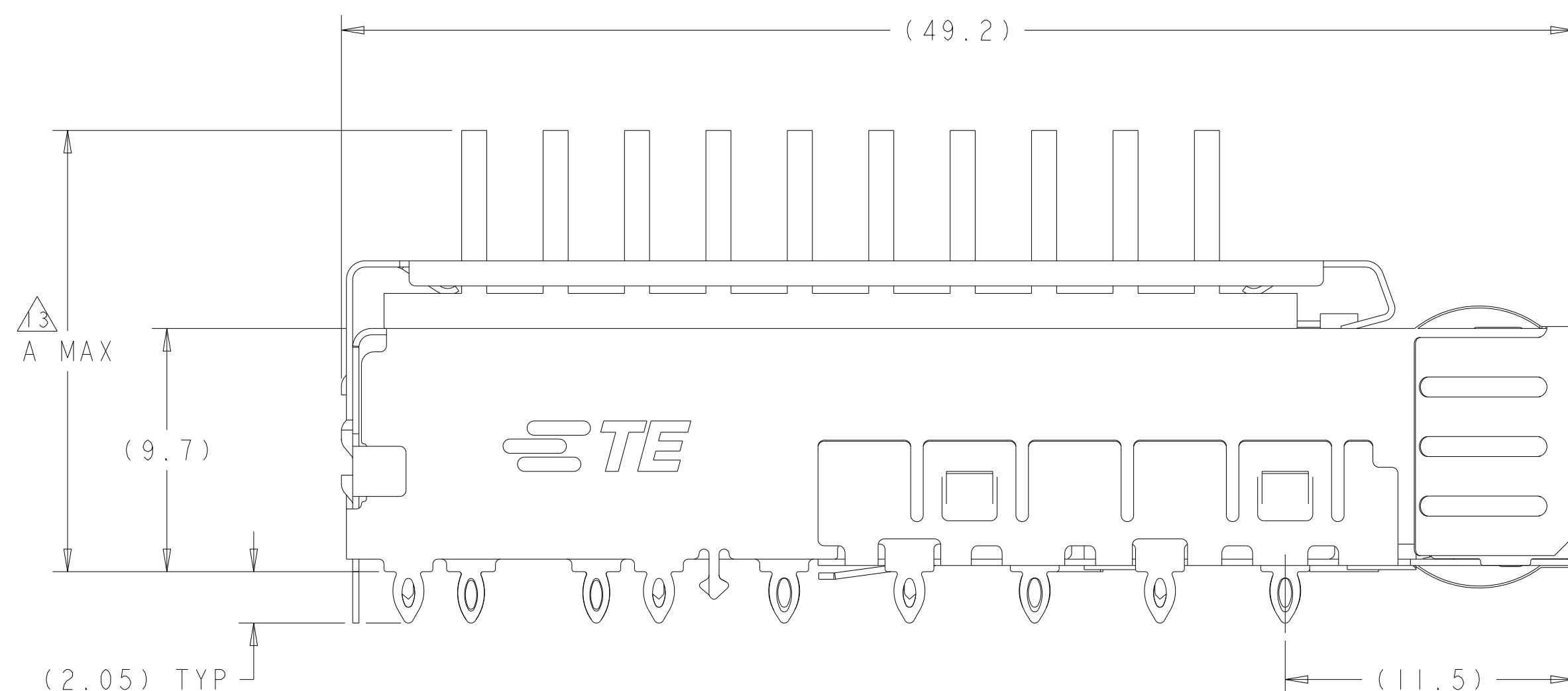




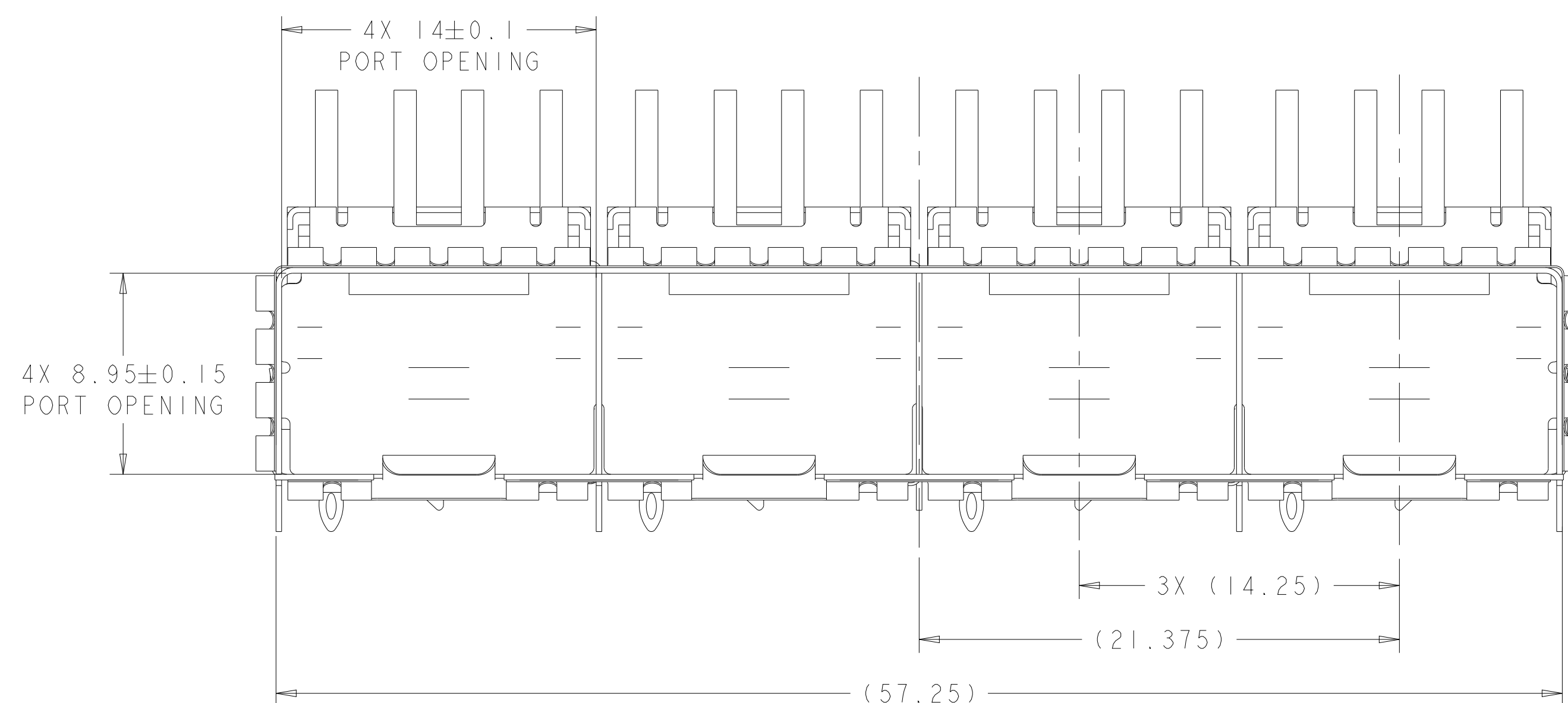
2149730-6,7,8,9,10
FINISHED ASSEMBLY WITH
FIN TYPE HEAT SINK



2149730-1,2,3,4,5
MOUNTED BELLY TO BELLY ON PCB
SCALE 4:1

- | | | | | | |
|----|--|----|---------------------------------|-----------|----|
| 1 | MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
HEATSINK CLIP: STAINLESS STEEL
HEATSINK: ALUMINUM | A4 | REVISED PER ECR-19-006109 | 10APR2019 | IT |
| 2 | FINISH:
EMI 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 | A5 | REVISED PER ECO-20-000404 | 09JAN2020 | IT |
| 3 | PADS AND VIAS CHASSIS GROUND. | A6 | REVISED PER ECR-20-015251 | 28OCT2020 | IT |
| 4 | DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER. | A7 | ADD NEW DASH NUMBER 1-2149730-4 | 02NOV2021 | SZ |
| 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 = 1.50mm
DOUBLE SIDED = 2.25mm | | | | |
| 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. | | | | |

- DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE

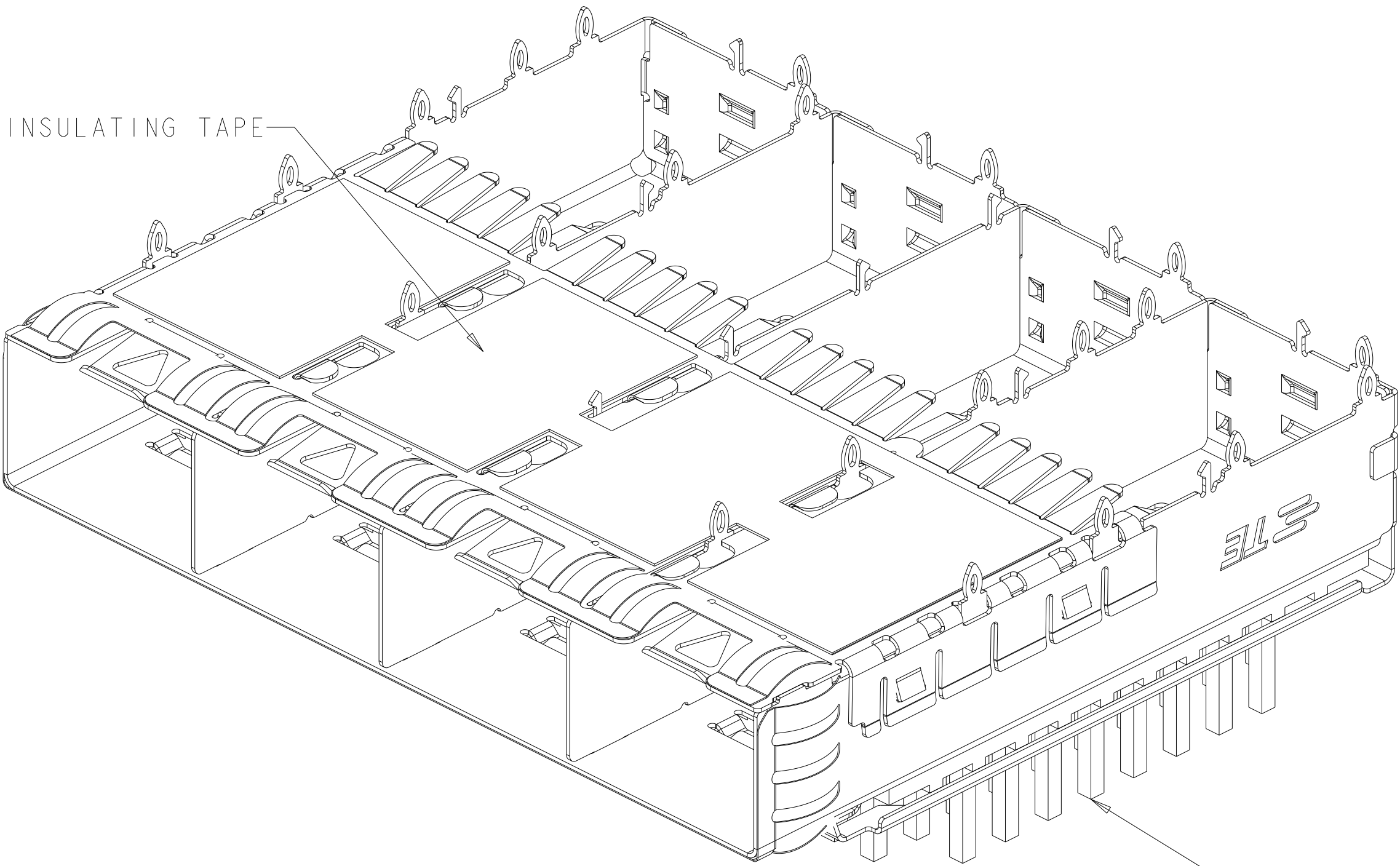


FIN TYPE	W/O INSULATING TAPE	N/A	CUSTOMIZED	1-2149730-4
FIN TYPE	W/O INSULATING TAPE	N/A	CUSTOMIZED	1-2149730-3
PIN TYPE	W/O INSULATING TAPE	N/A	CUSTOMIZED	1-2149730-2
PIN TYPE	W/O INSULATING TAPE	N/A	CUSTOMIZED	1-2149730-1
FIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2149730-0
FIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2149730-9
FIN TYPE	W/O INSULATING TAPE	15.5	SAN	2149730-8
FIN TYPE	W/O INSULATING TAPE	13.2	PCI	2149730-7
FIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2149730-6
PIN TYPE	W/ INSULATING TAPE	22.5	NETWORKING, TALL	2149730-5
PIN TYPE	W/O INSULATING TAPE	22.5	NETWORKING, TALL	2149730-4
PIN TYPE	W/O INSULATING TAPE	15.5	SAN	2149730-3
PIN TYPE	W/O INSULATING TAPE	13.2	PCI	2149730-2
PIN TYPE	W/O INSULATING TAPE	18.1	NETWORKING, SHORT	2149730-1
HEAT SINK TYPE	DESCRIPTION	A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SCHMITT 23AUG2010 CHK M. SCHMITT 23AUG2010 APP'D B. WERTT 23AUG2010		 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 FINISH $\pm 1^{\circ}$		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120		SIZE CAGE CODE DRAWING NO A100779 C=2149730	
MATERIAL 				RESTRICTED TO Customer Drawing SCALE 2:1 SHEET 1 of 9 REV A	

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

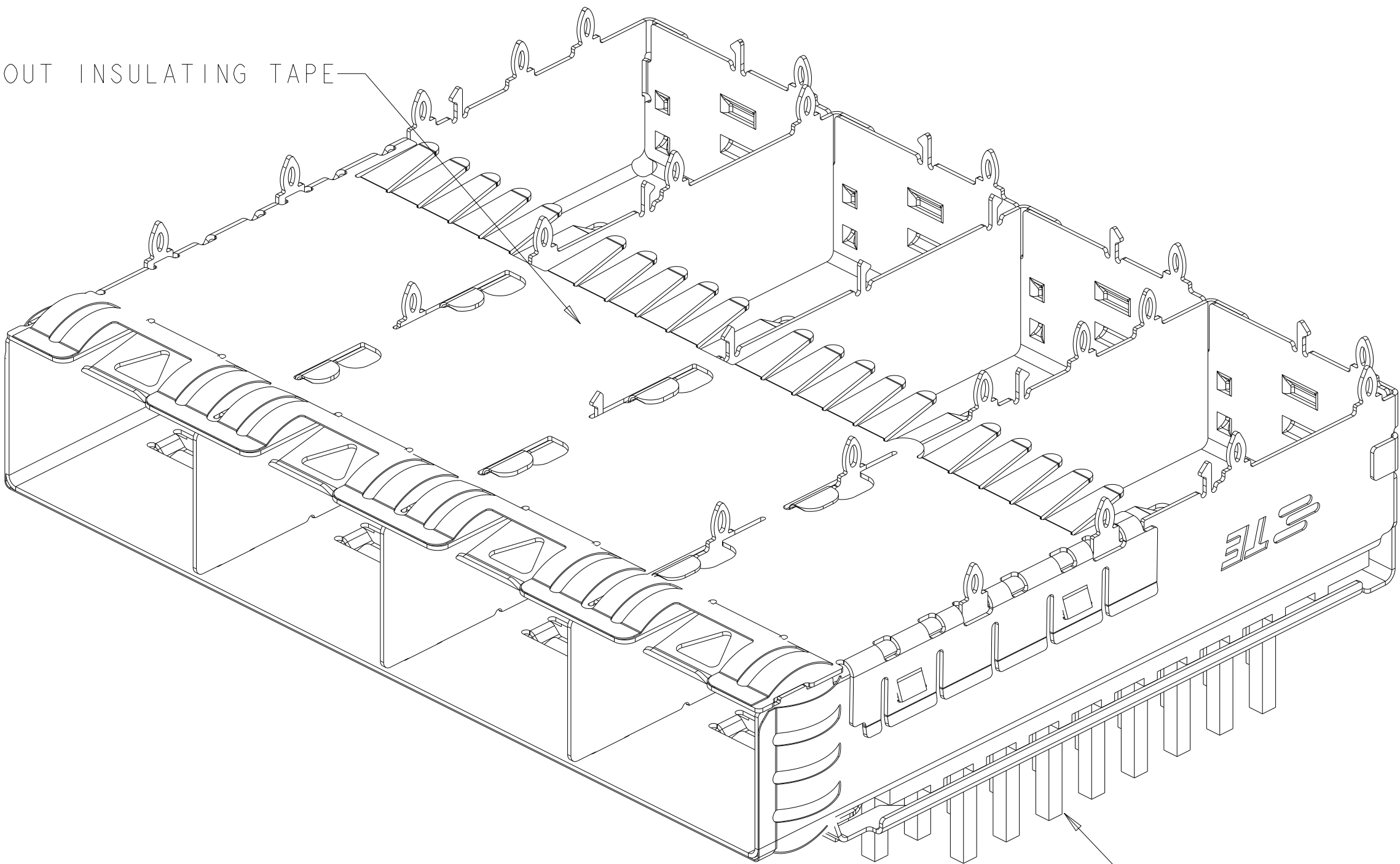
WITH INSULATING TAPE



WITH PIN TYPE HEAT SINK

2149730-5 AS SHOWN WITH INSULATING TAPE,WITH PIN TYPE HEAT SINK

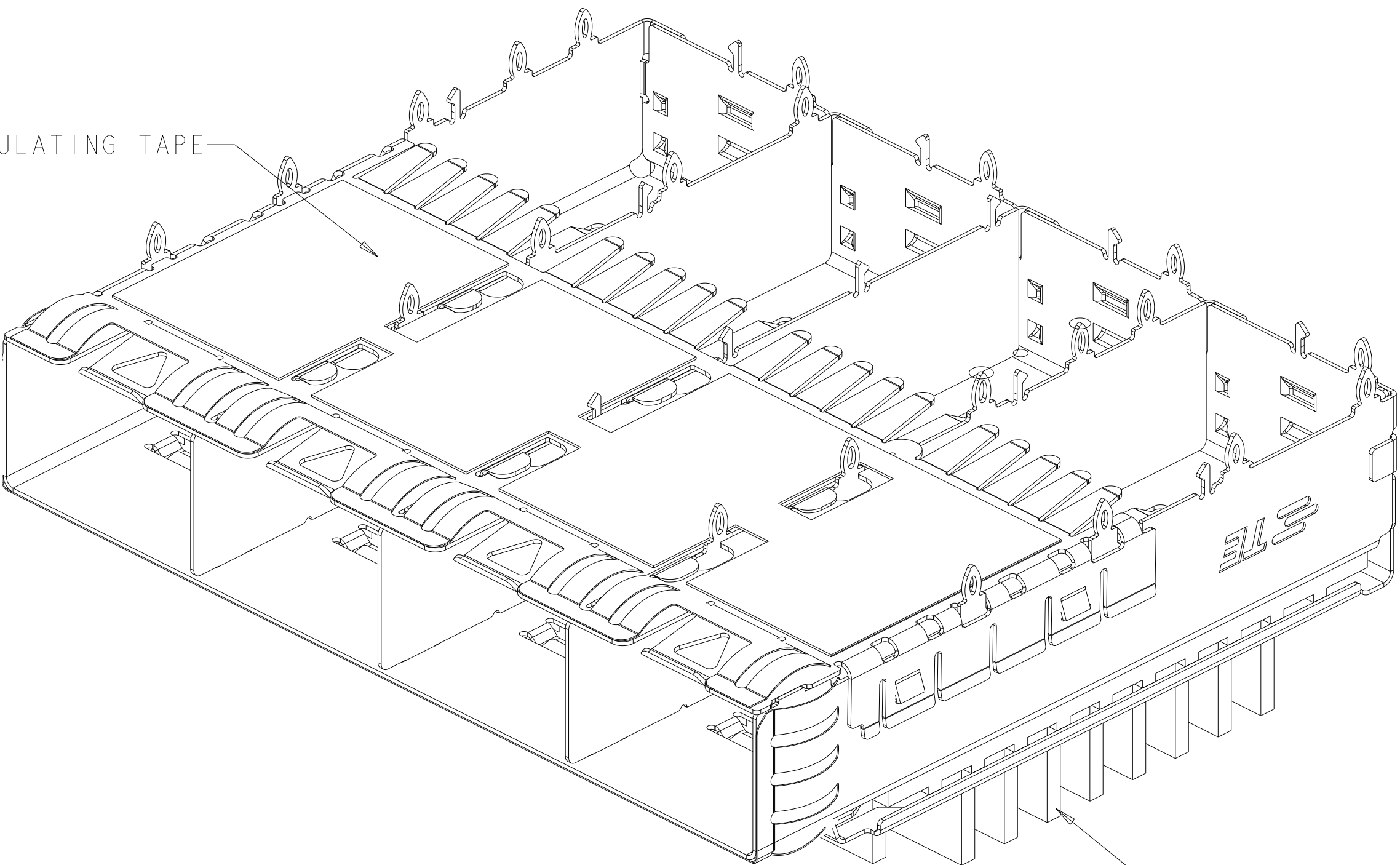
WITHOUT INSULATING TAPE



WITH PIN TYPE HEAT SINK

2149730-1,2,3,4 AS SHOWN WITHOUT INSULATING TAPE,WITH PIN TYPE HEAT SINK

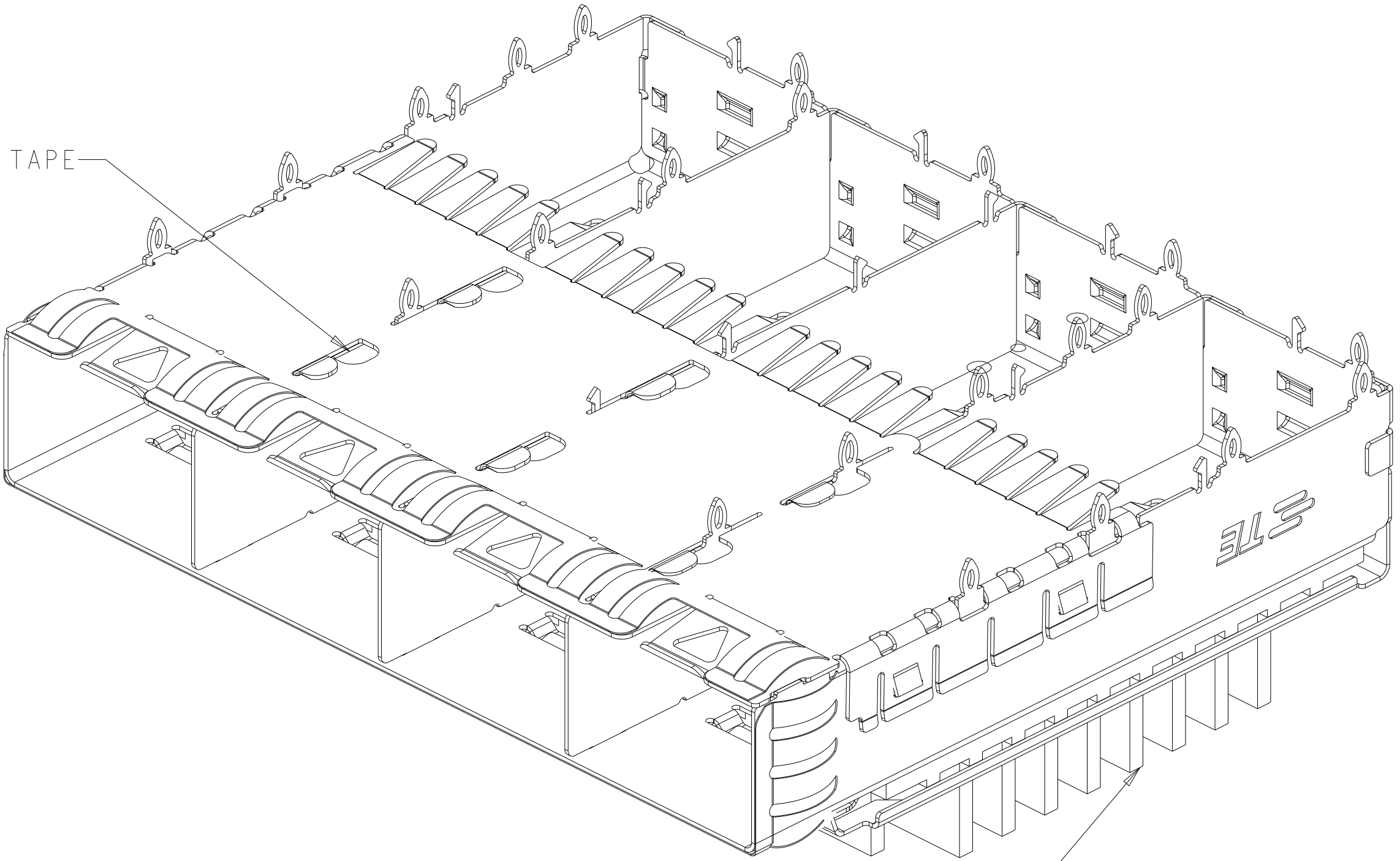
WITH INSULATING TAPE



WITH FIN TYPE HEAT SINK

2149730-10 AS SHOWN WITH INSULATING TAPE,WITH FIN TYPE HEAT SINK

WITHOUT INSULATING TAPE



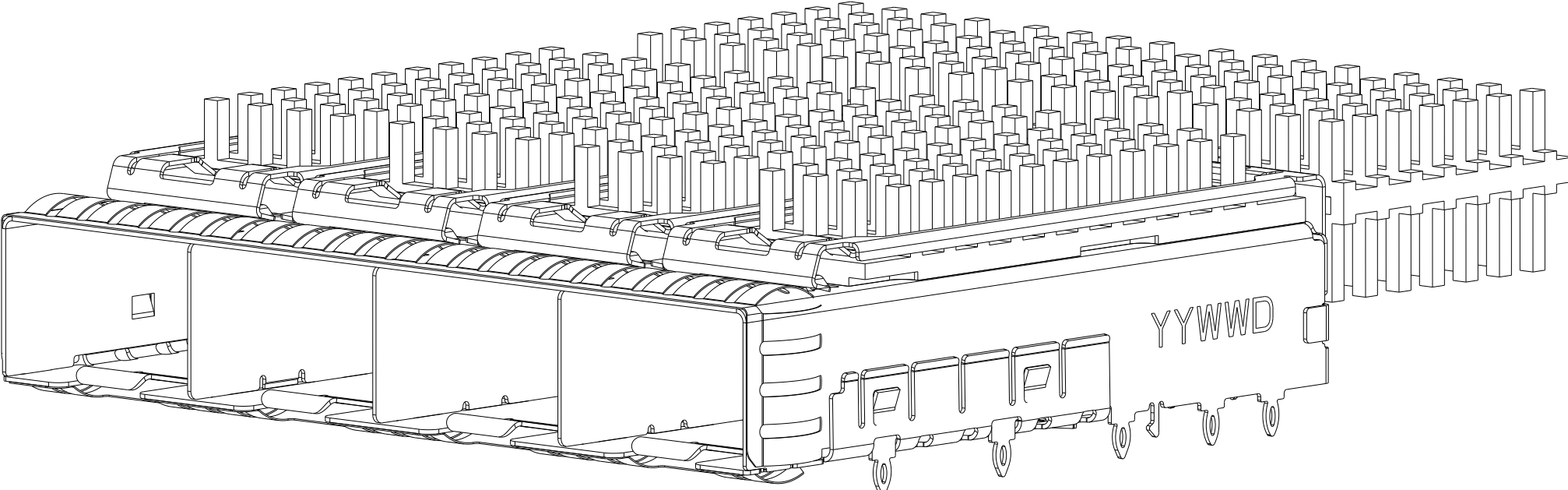
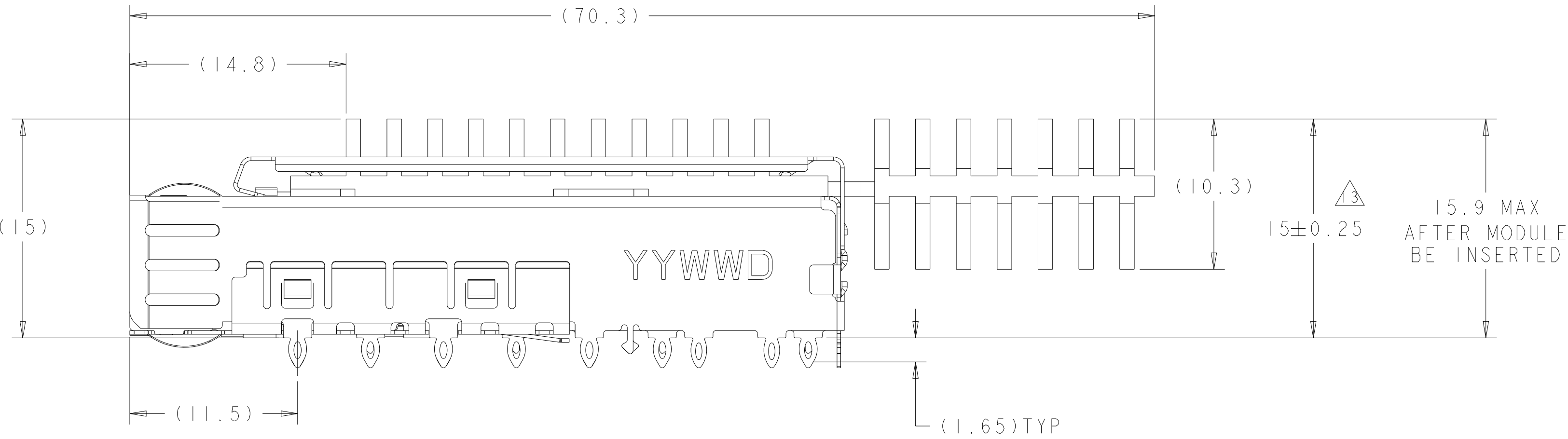
WITH FIN TYPE HEAT SINK

2149730-6,7,8,9 AS SHOWN WITHOUT INSULATING TAPE,WITH FIN TYPE HEAT SINK

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SCHMITT 23AUG2010	 TE Connectivity			
DIMENSIONS:		CHK M. SCHMITT 23AUG2010				
mm		APVD B. WERTZ 23AUG2010		NAME		
		PRODUCT SPEC		SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK		
		108-2364		SIZE		
		APPLICATION SPEC		CAGE CODE DRAWING NO		
		MATERIAL		114-13120		RESTRICTED TO
				WEIGHT		-
				Customer Drawing		SCALE 2:1
				SHEET 2 OF 9		REV A7

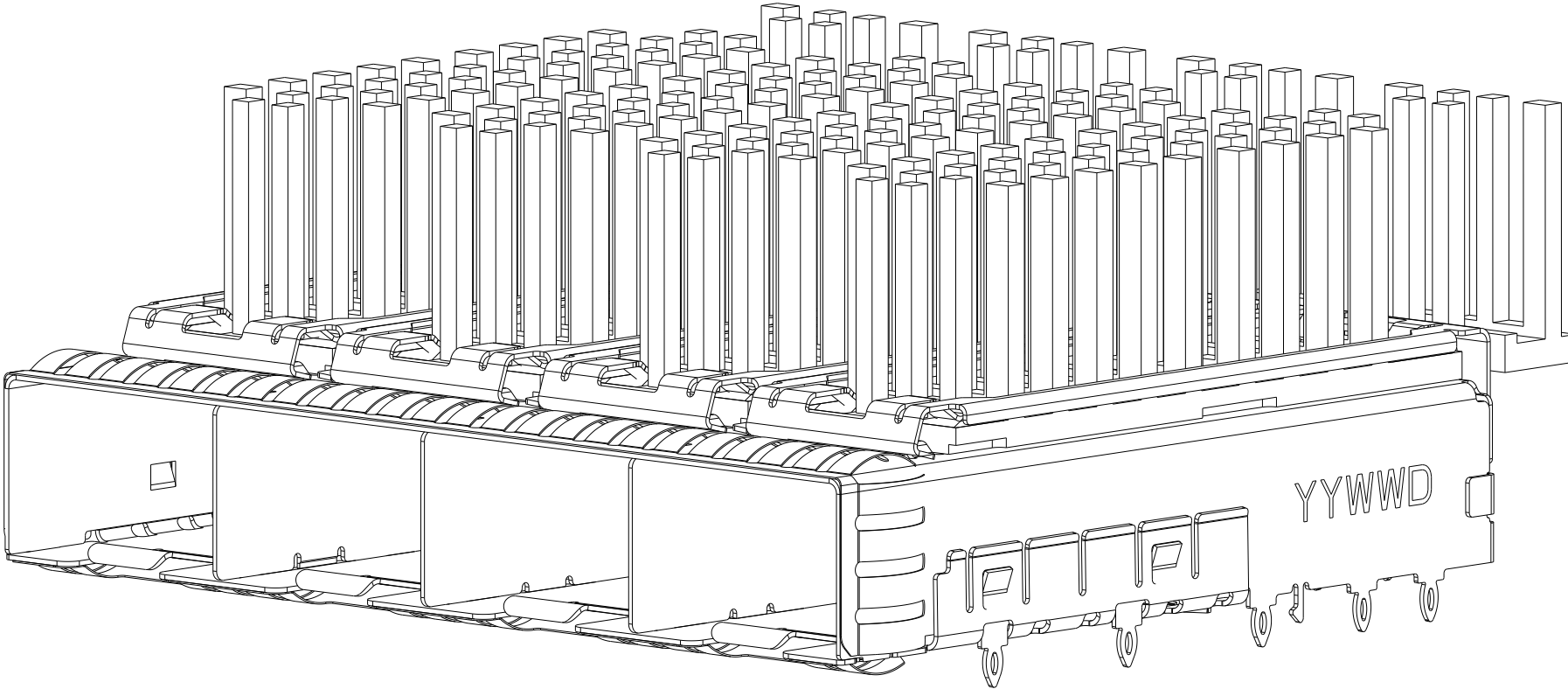
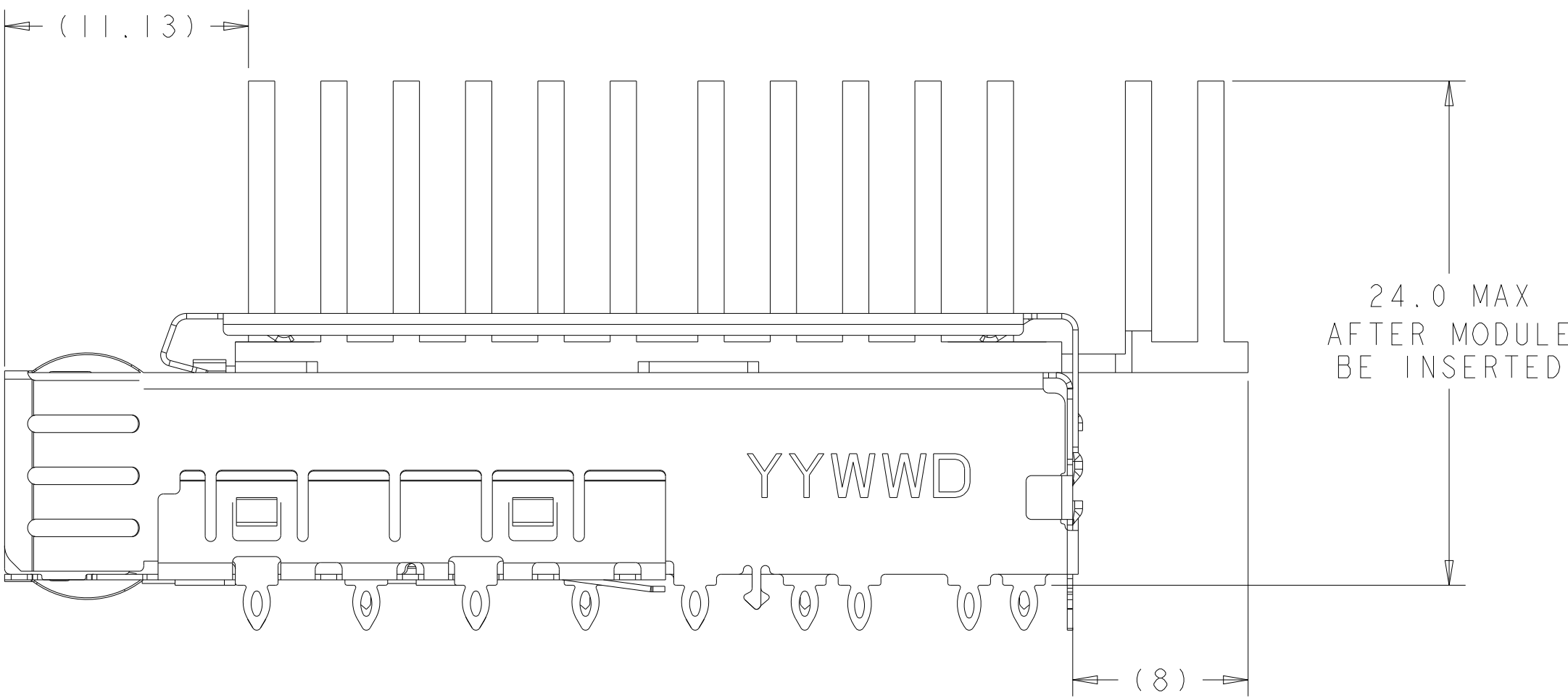
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-

1-2149730-1 AS SHOWN
UNMARKED SAME AS 2149730-1



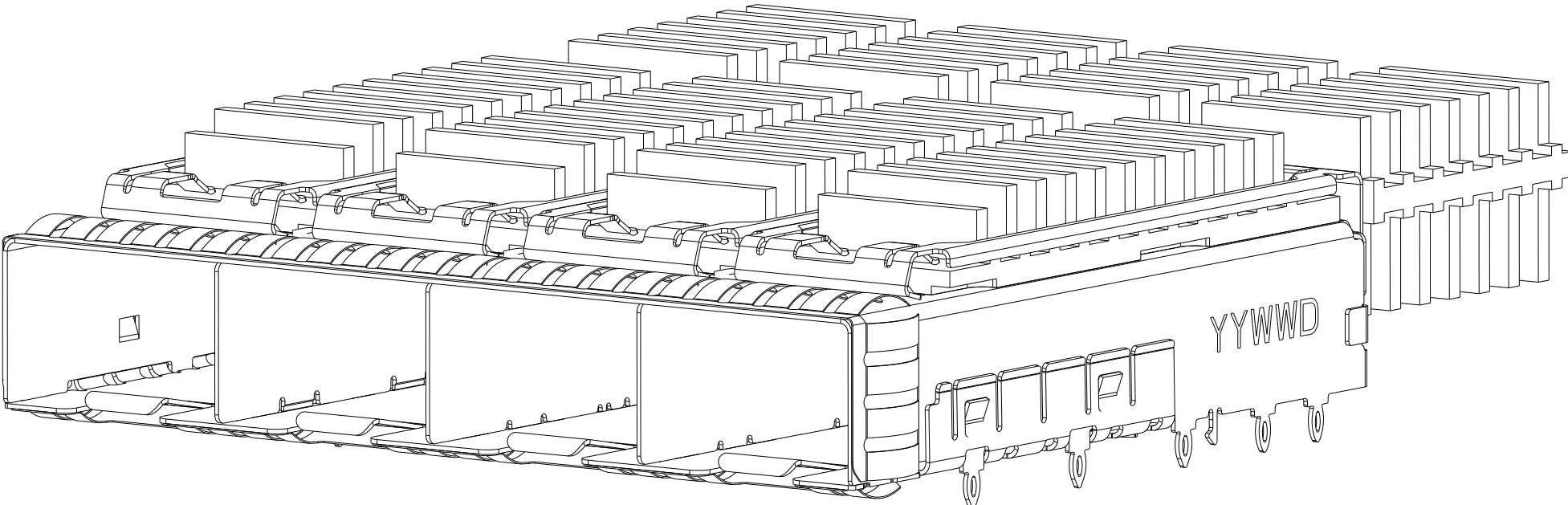
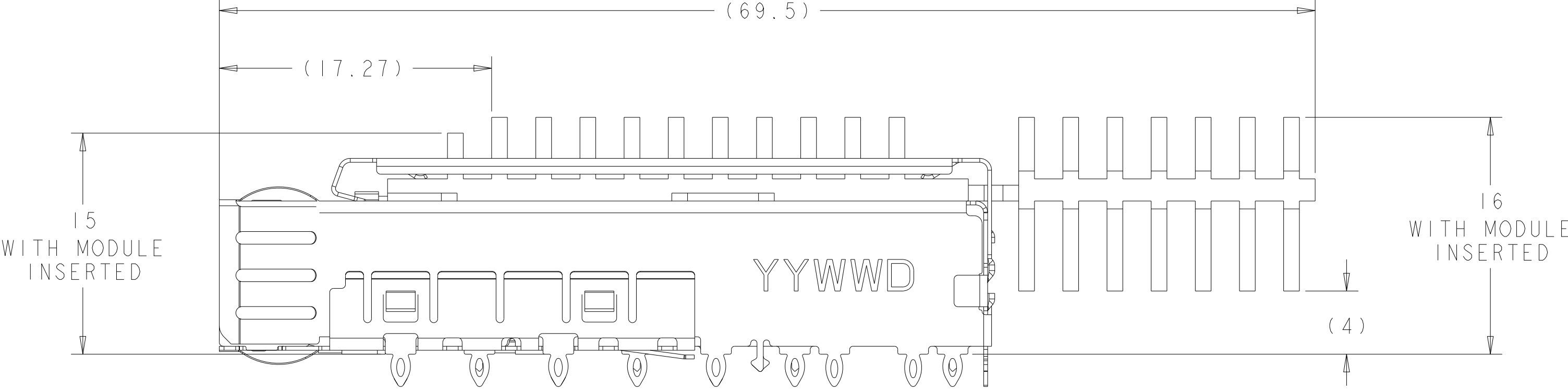
1-2149730-1 3D VIEW
SCALE 3:1

1-2149730-2 AS SHOWN
UNMARKED SAME AS 2149730-1



1-2149730-2 3D VIEW
SCALE 3:1

1-2149730-3 AS SHOWN
UNMARKED SAME AS 2149730-1



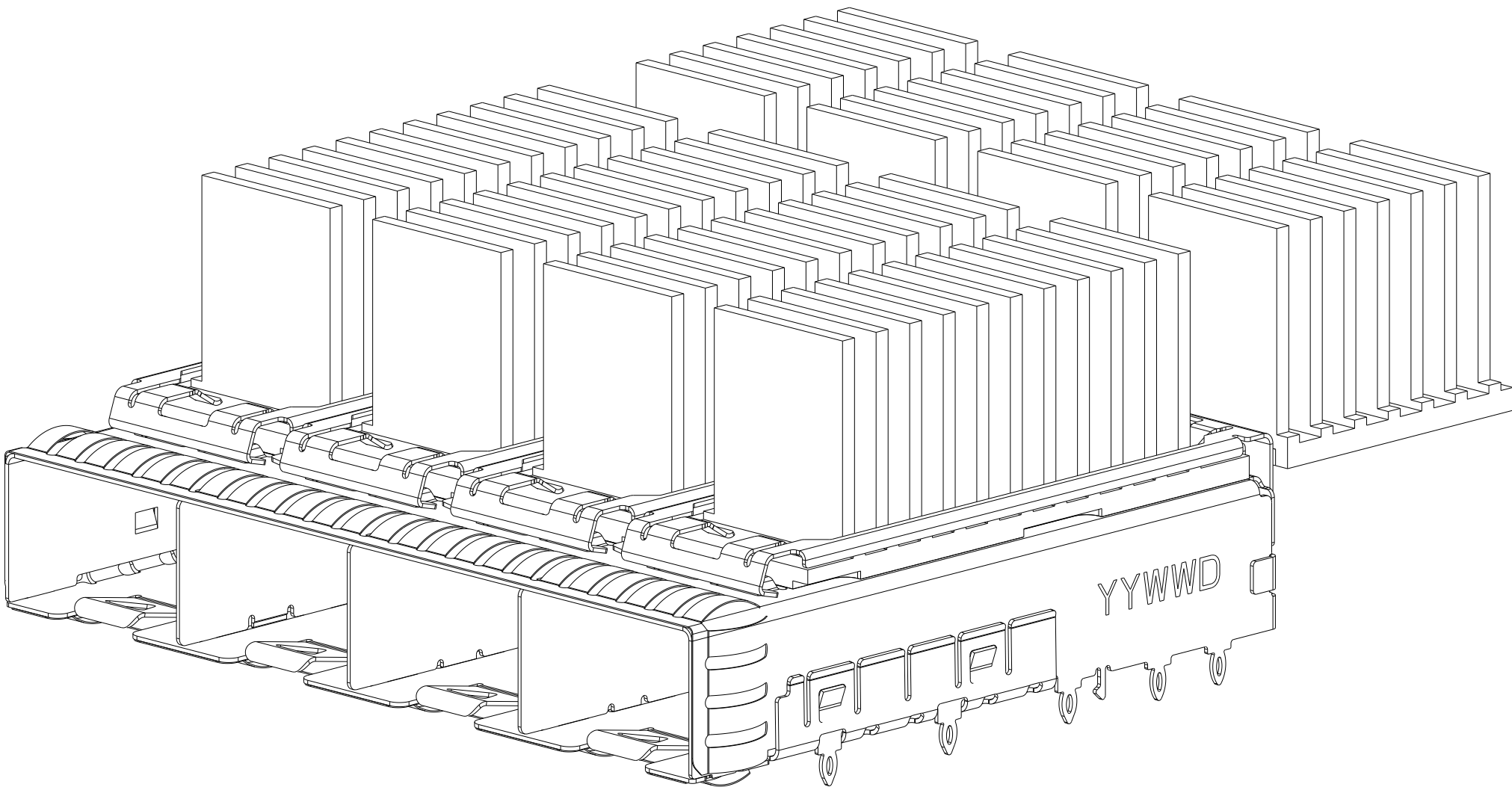
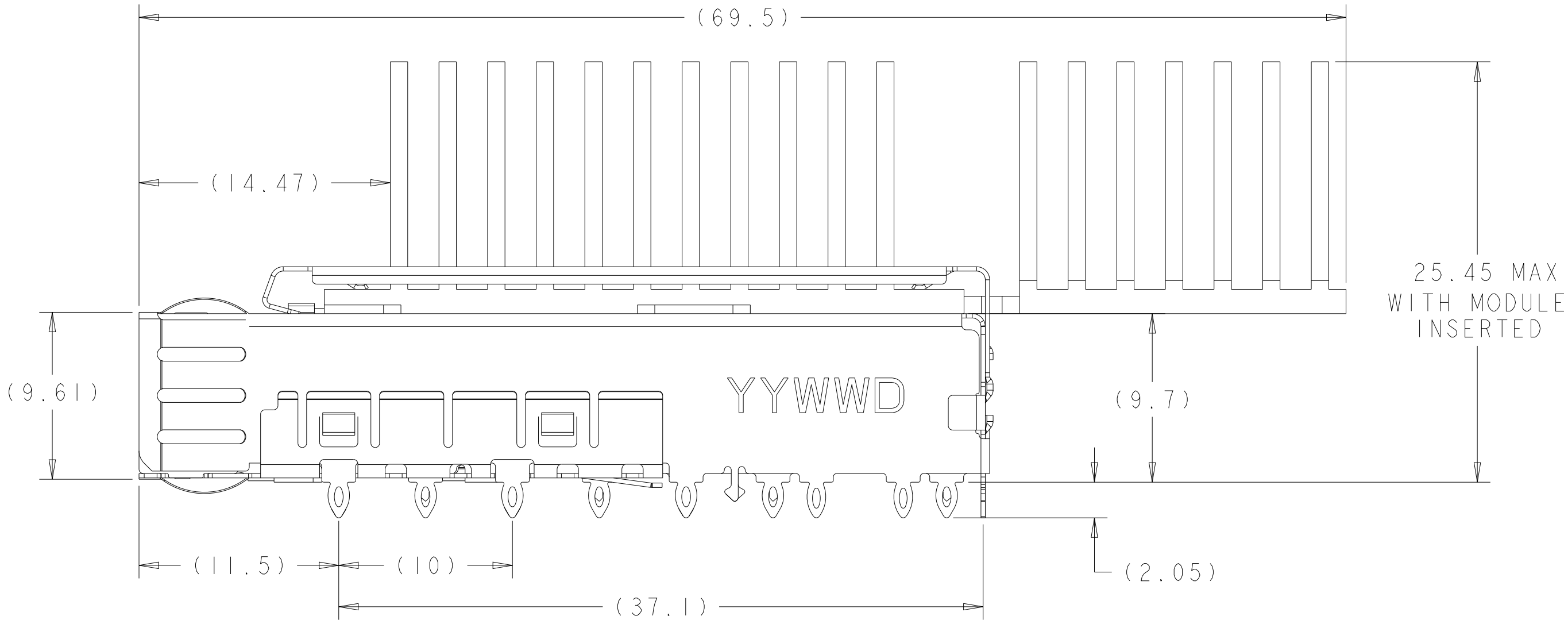
1-2149730-3 3D VIEW
SCALE 3:1

SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SCHMITT 23AUG2010	 TE Connectivity			
		CHK M. SCHMITT 23AUG2010				
DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		
		0 PLC ±0.1				
		1 PLC ±0.1		PRODUCT SPEC		
		2 PLC ±0.1				
		3 PLC ±0.1		APPLICATION SPEC		
		4 PLC ±0.1				
MATERIAL		ANGLES ±1°0'		SIZE CAGE CODE DRAWING NO		
		FINISH				
				WEIGHT	A100779C=2149730	
				Customer Drawing		RESTRICTED TO
				SCALE 2:1	SHEET 3 of 9	REV A7

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

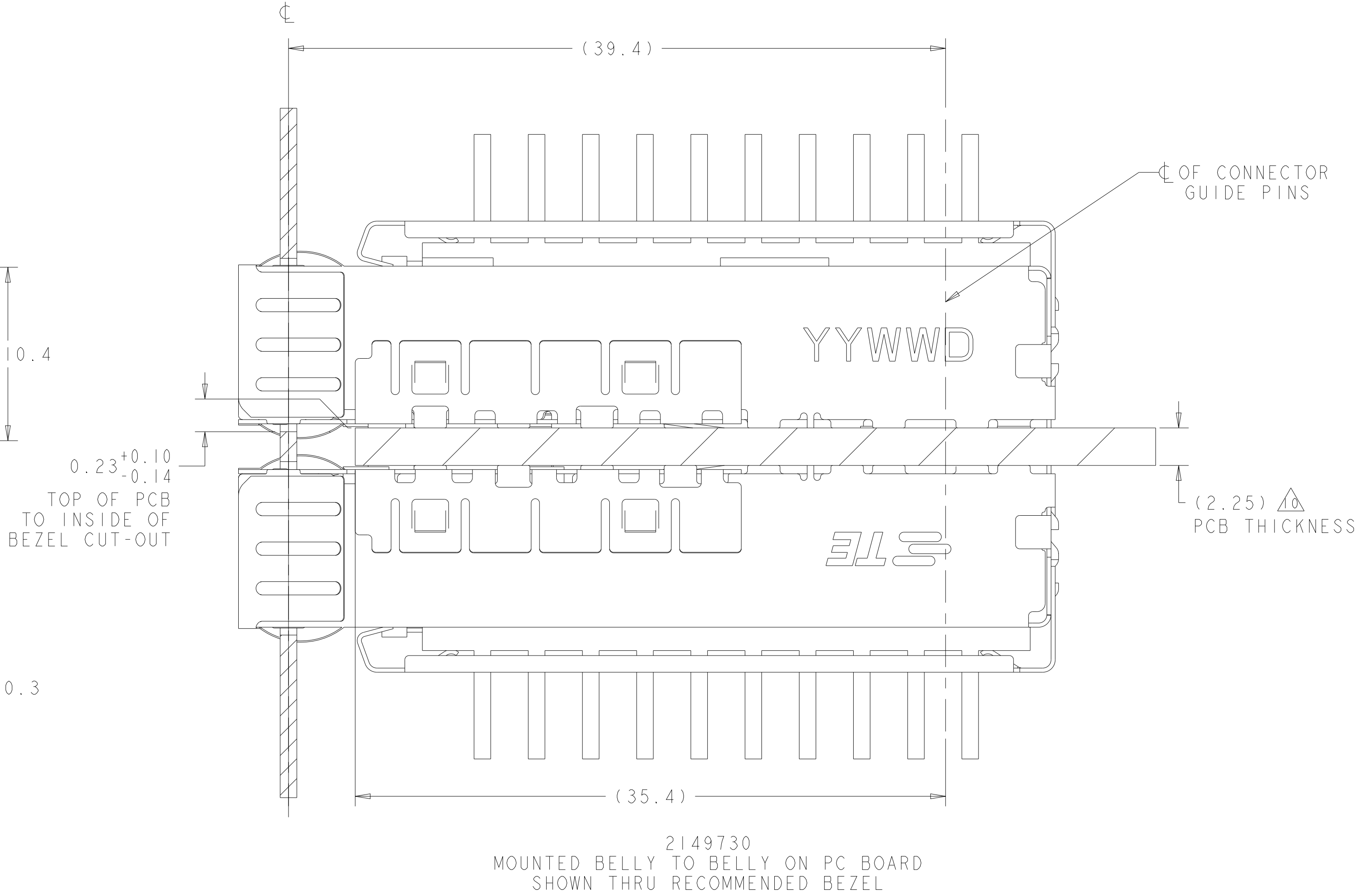
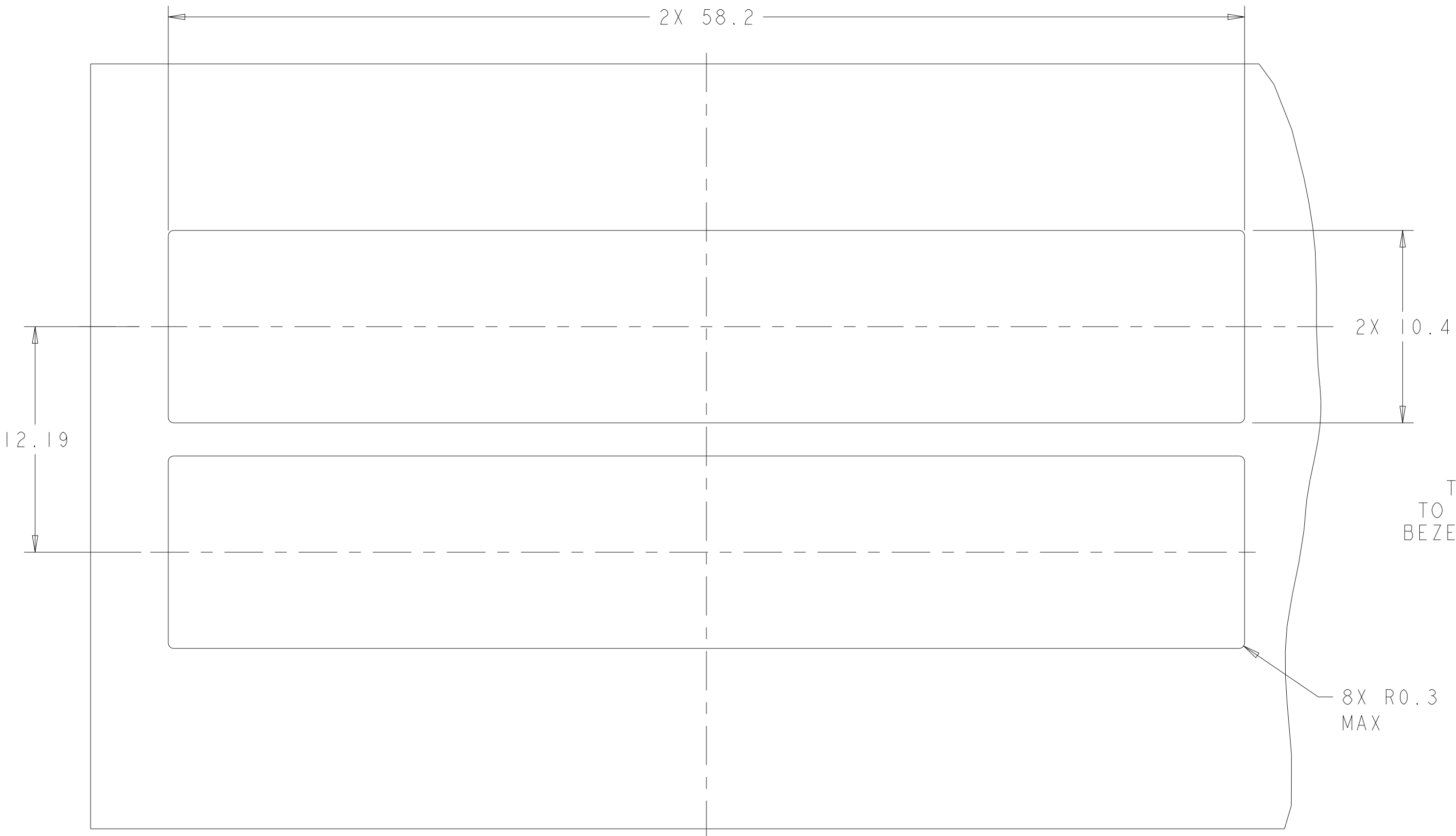
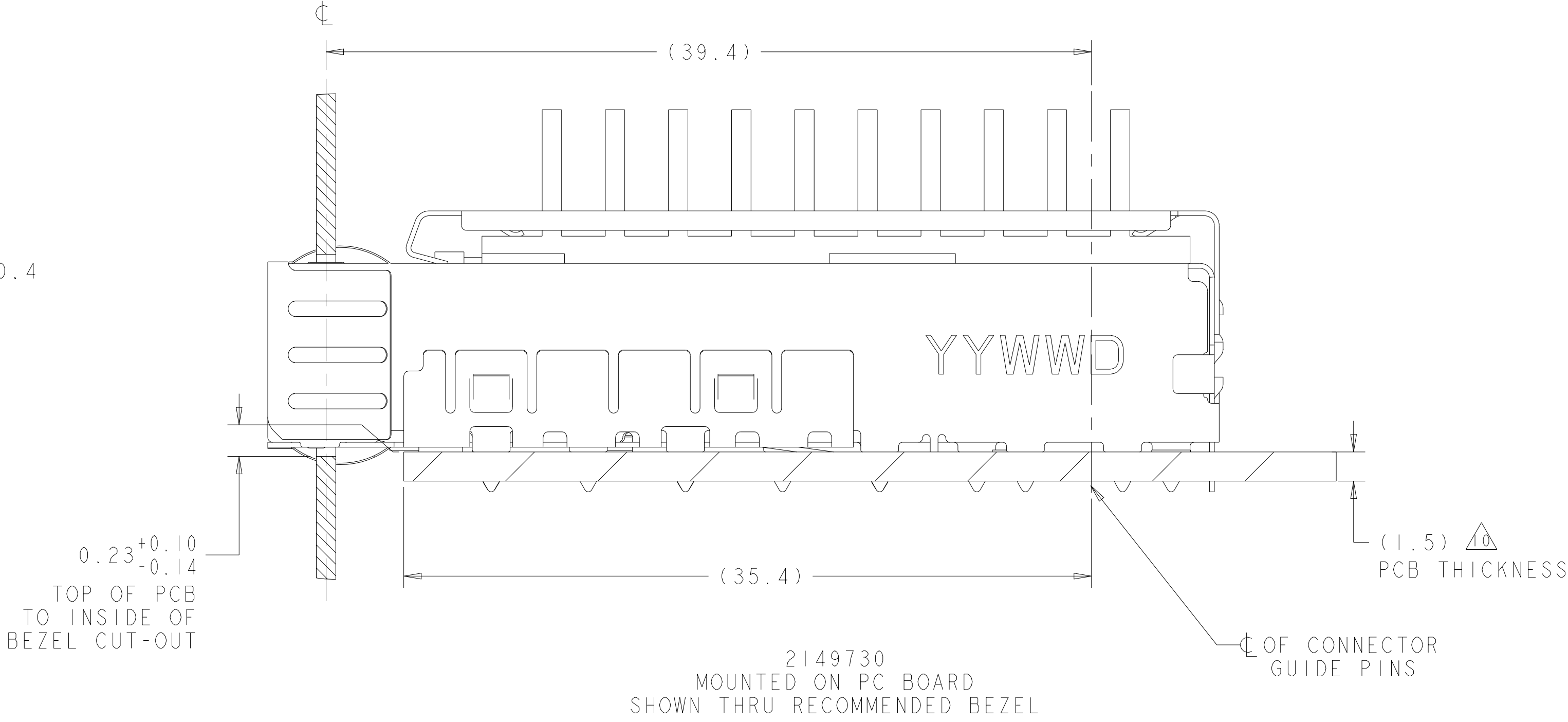
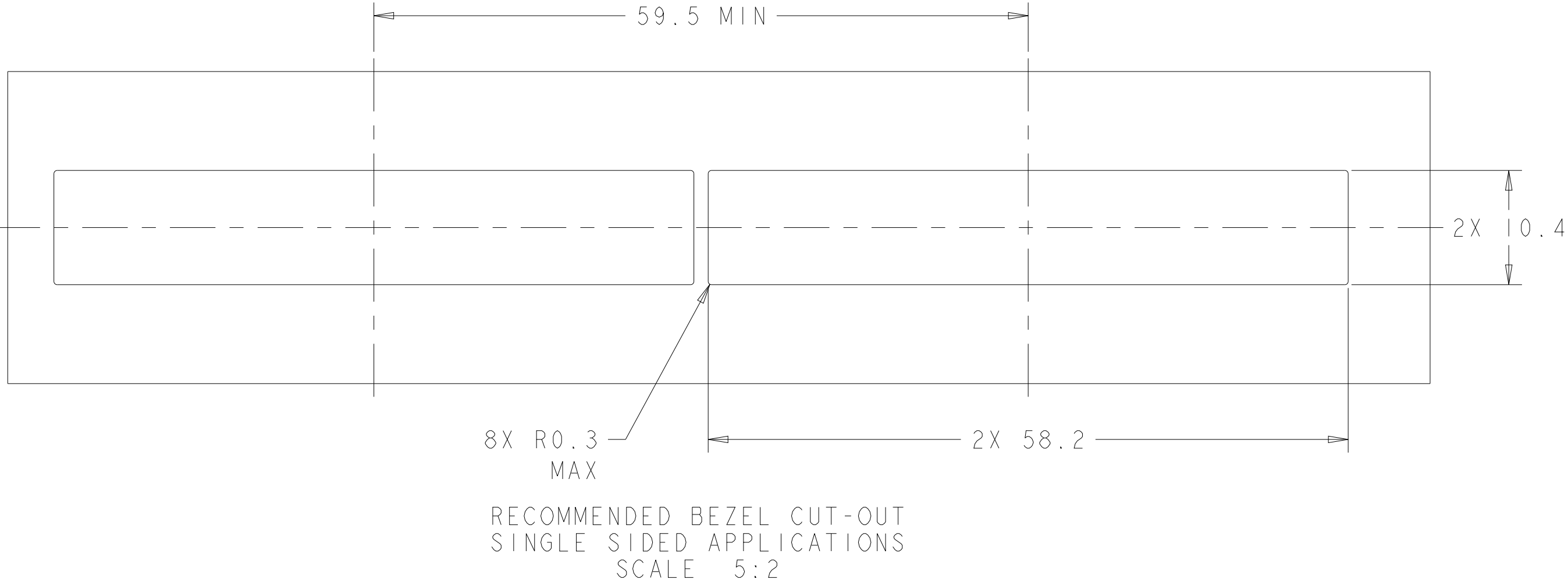
1-2149730-4 AS SHOWN
UNMARKED SAME AS 2149730-1

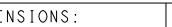


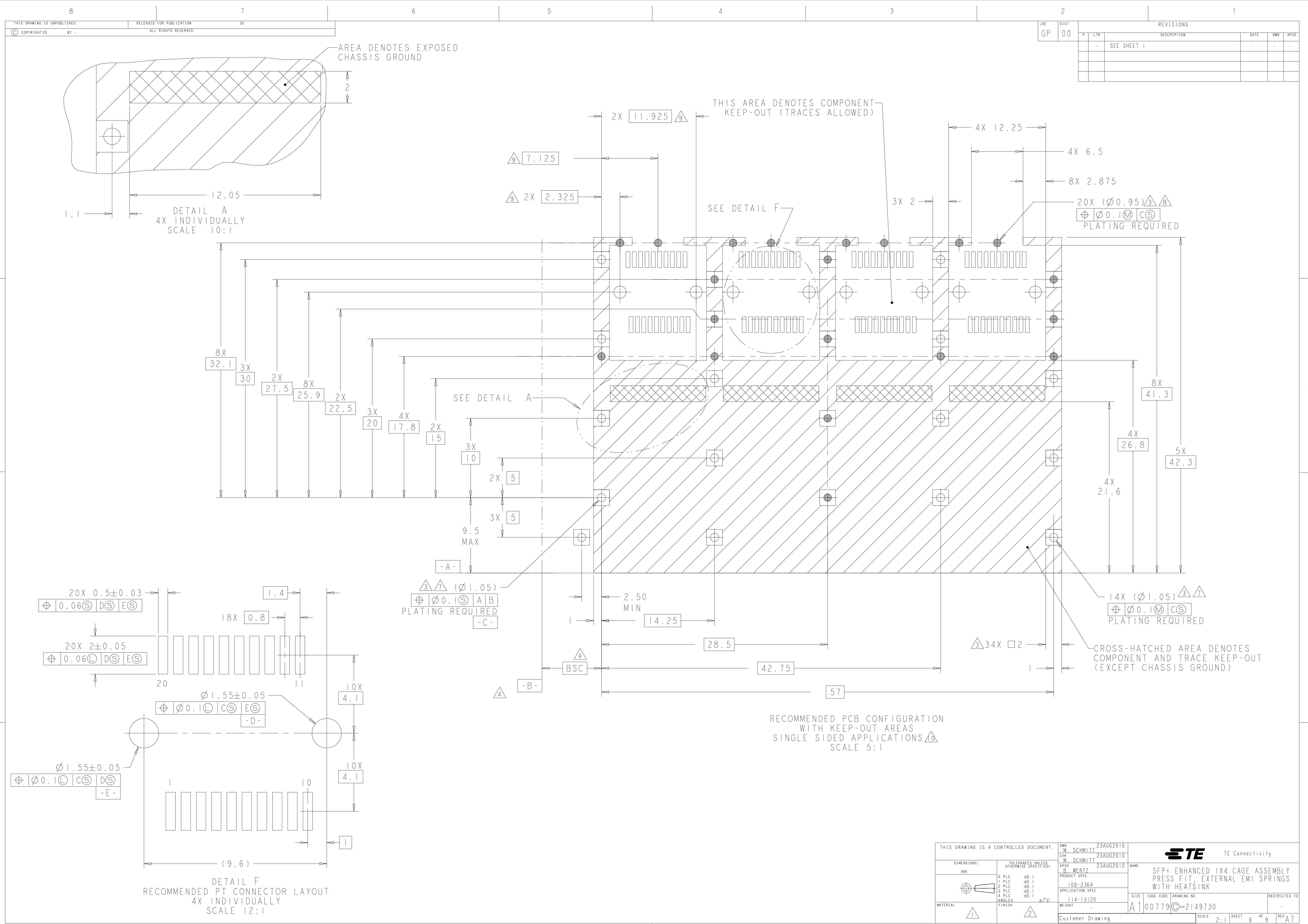
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UNMARKED SAME AS 2149730-1

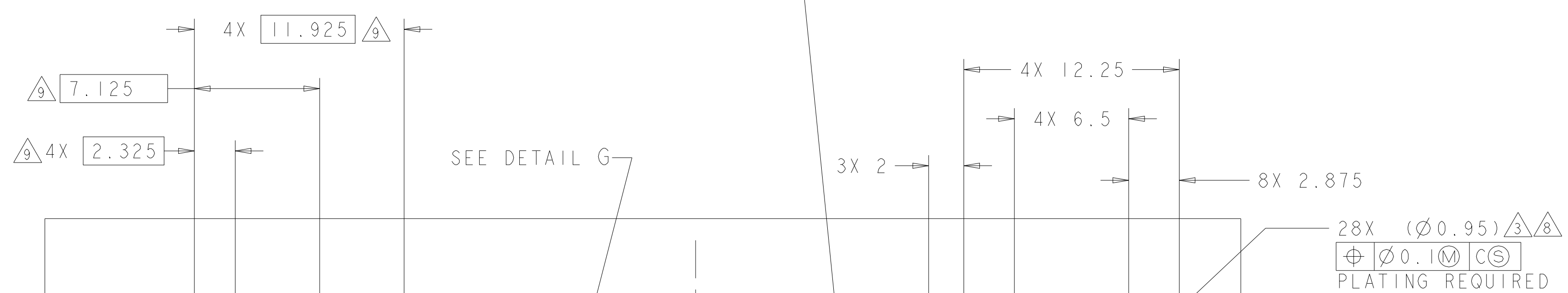
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	M. SCHMITT	23AUG2010	 TE Connectivity								
				CHK	M. SCHMITT	23AUG2010									
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	B. WERTZ	23AUG2010	NAME		SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK						
mm		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											
				APPLICATION SPEC											
				114-13120											
MATERIAL				WEIGHT		-		SIZE			CAGE CODE	DRAWING NO	RESTRICTED TO		
				A1		00779C=2149730						-			
Customer Drawing				SCALE		2:1		SHEET		4 of 9		REV	A7		

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

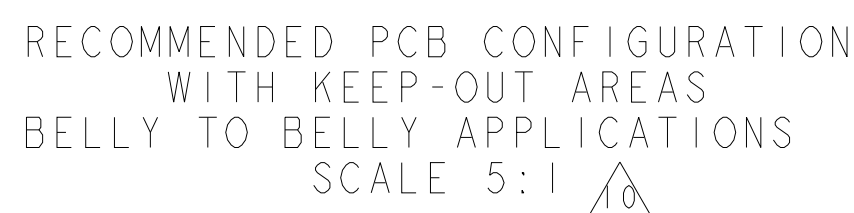
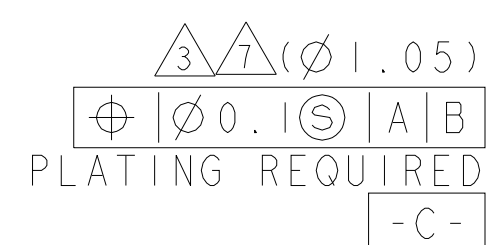


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN M. SCHMITT 23AUG2010	 TE Connectivity				
DIMENSIONS:				CHK M. SCHMITT 23AUG2010					
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD B. WERTZ 23AUG2010	NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK			
		0 PLC ±0.1		PRODUCT SPEC					
		1 PLC ±0.1		108-2364					
		2 PLC ±0.1		APPLICATION SPEC					
3 PLC ±0.1		4 PLC ±0.1		114-13120		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
MATERIAL		FINISH		WEIGHT		A1	00779C=2149730		-
				Customer Drawing		SCALE 2:1 SHEET 5 of 9 REV A7			





SFF DETAIL G—



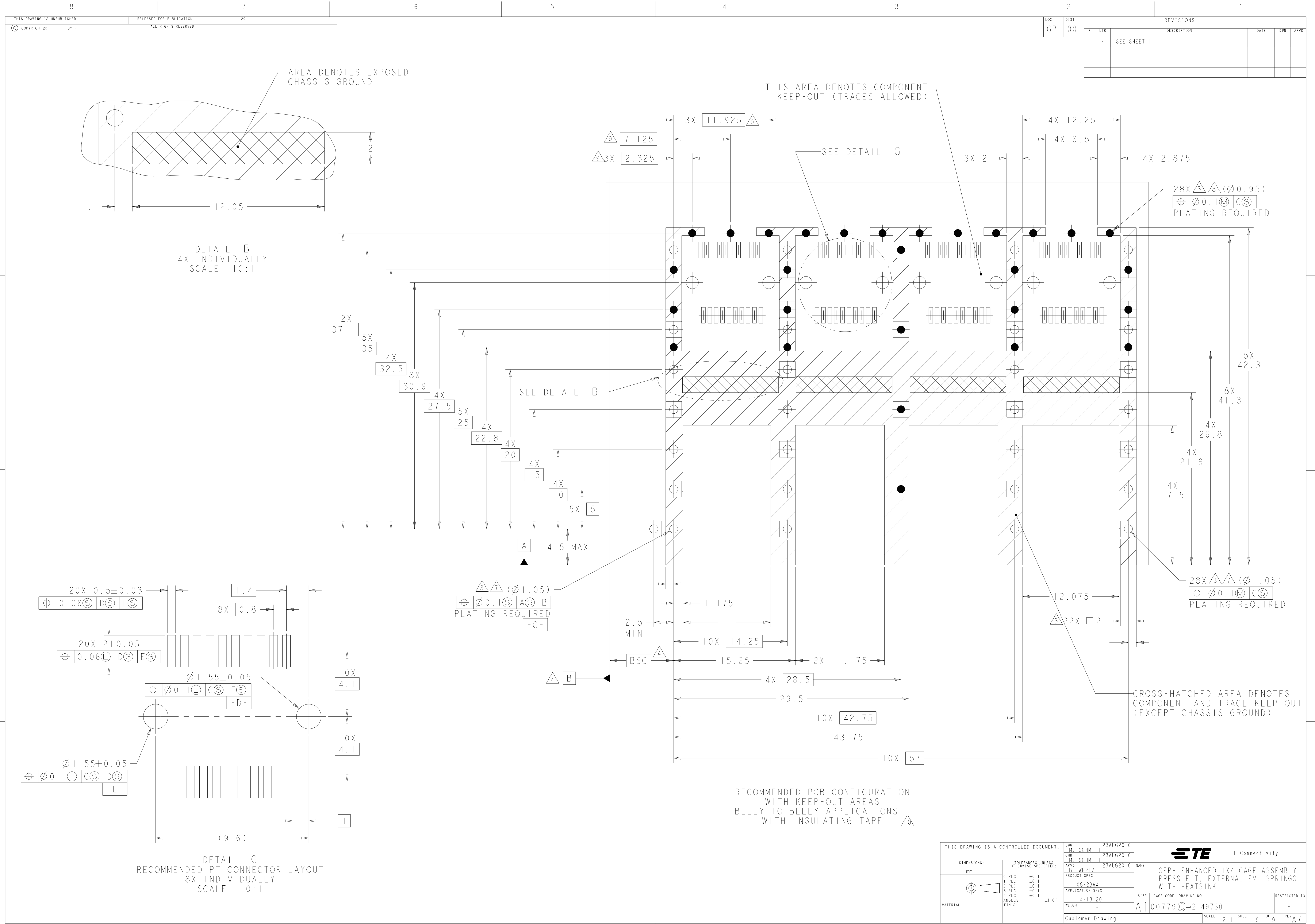
DETAIL G
RECOMMENDED PT CONNECTOR LAYOUT
8X INDIVIDUALLY
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. NO. 23AUG2010 CHK. M. SCHMITT APPR. M. SCHMITT 23AUG2010		 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 ±10° FINISH		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
MATERIAL 		APDR. B. WERTZ 23AUG2010 PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT -		SIZE CAGE CODE DRAWING NO A100779C2149730	
		Customer Drawing		SCALE 2:1 SHEET 7 of 9 REV A	



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. 23AUG2010 M. SCHMITT CHK. 23AUG2010 M. SCHMITT APP'D. 23AUG2010 B. WERTZ		 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 $\pm 10'$ FINISH		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		PRODUCT SPEC 108-2364		SIZE A1	
MATERIAL		APPLICATION SPEC 114-13120		DRAWING NO C2149730	
WEIGHT -		CUSTOMER DRAWING Customer Drawing		RESTRICTED TO -	
		SCALE 2:1		SHEET 8 of 9	
		REV A			



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[TE Connectivity:](#)

[2149730-3](#)