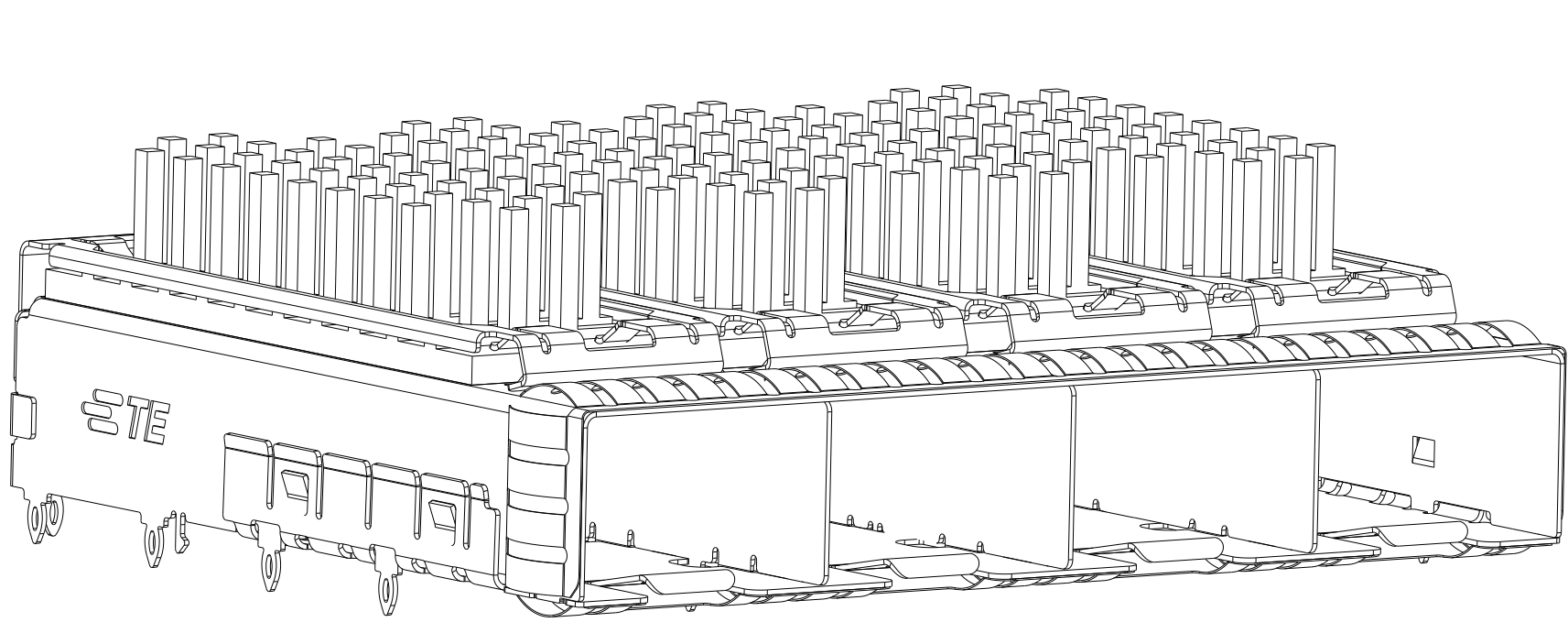
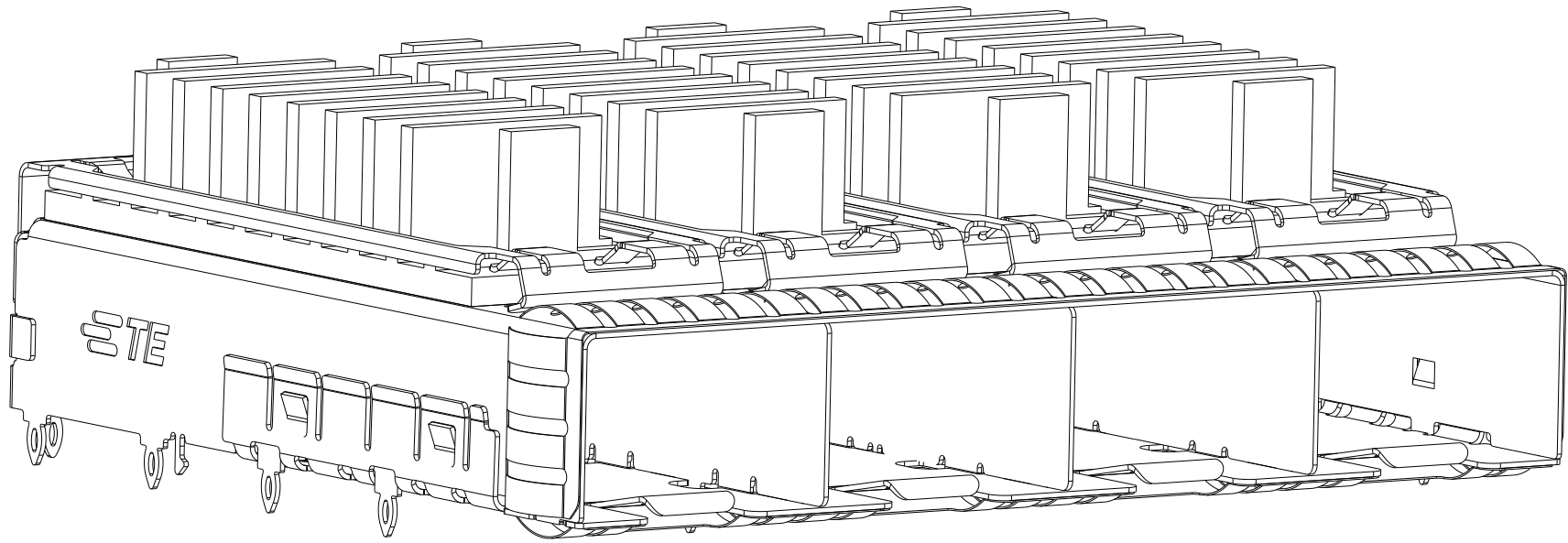


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	OWN	APVD	
GP	00		A4	REVISED PER ECR-19-006709	10APR2019	IT	SH	
			A5	REVISED PER ECO-20-000404	09JAN2020	IT	SH	
			A6	REVISED PER ECR-20-015251	28OCT2020	IT	SH	
			A7	ADD NEW DASH NUMBER 1-2149730-4	02NOV2021	SZ	SZ	



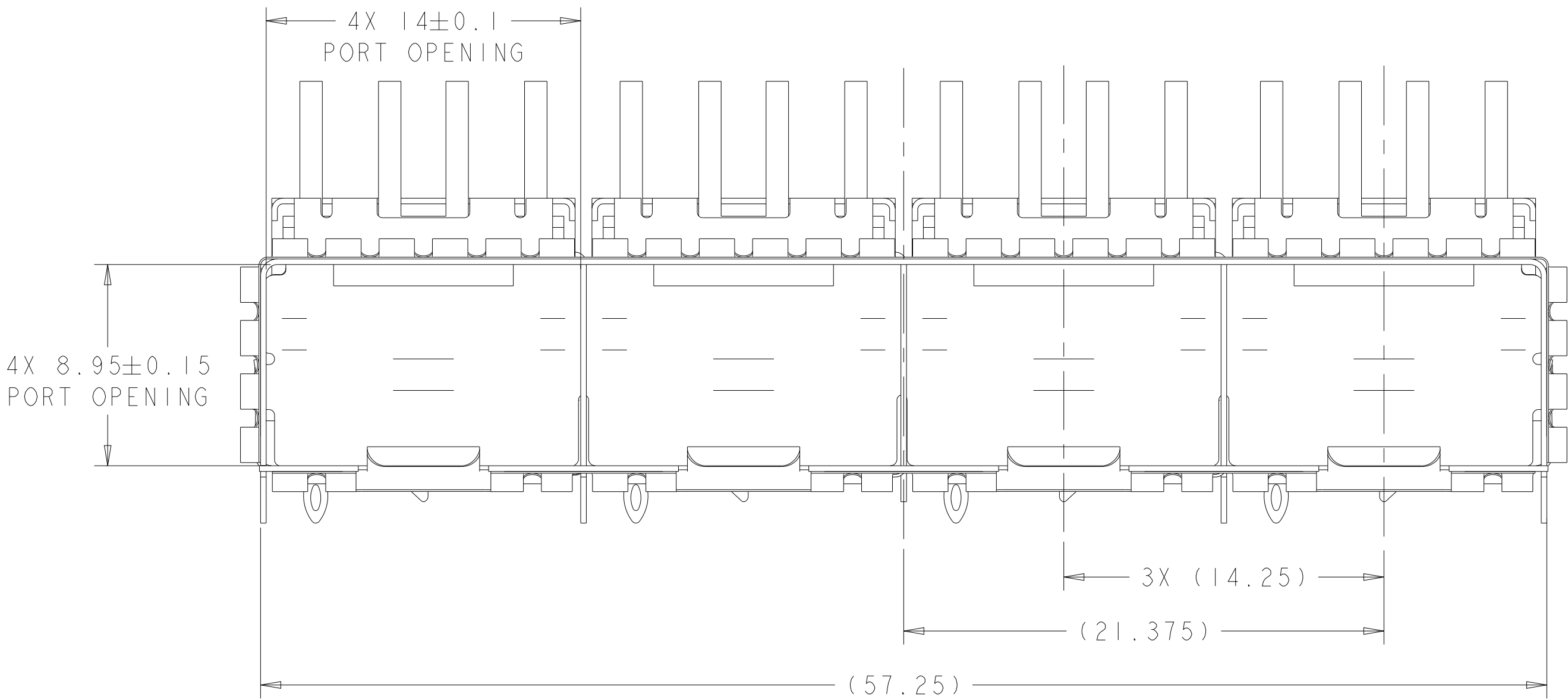
2149730-1,2,3,4,5  
FINISHED ASSEMBLY WITH  
PIN TYPE HEAT SINK



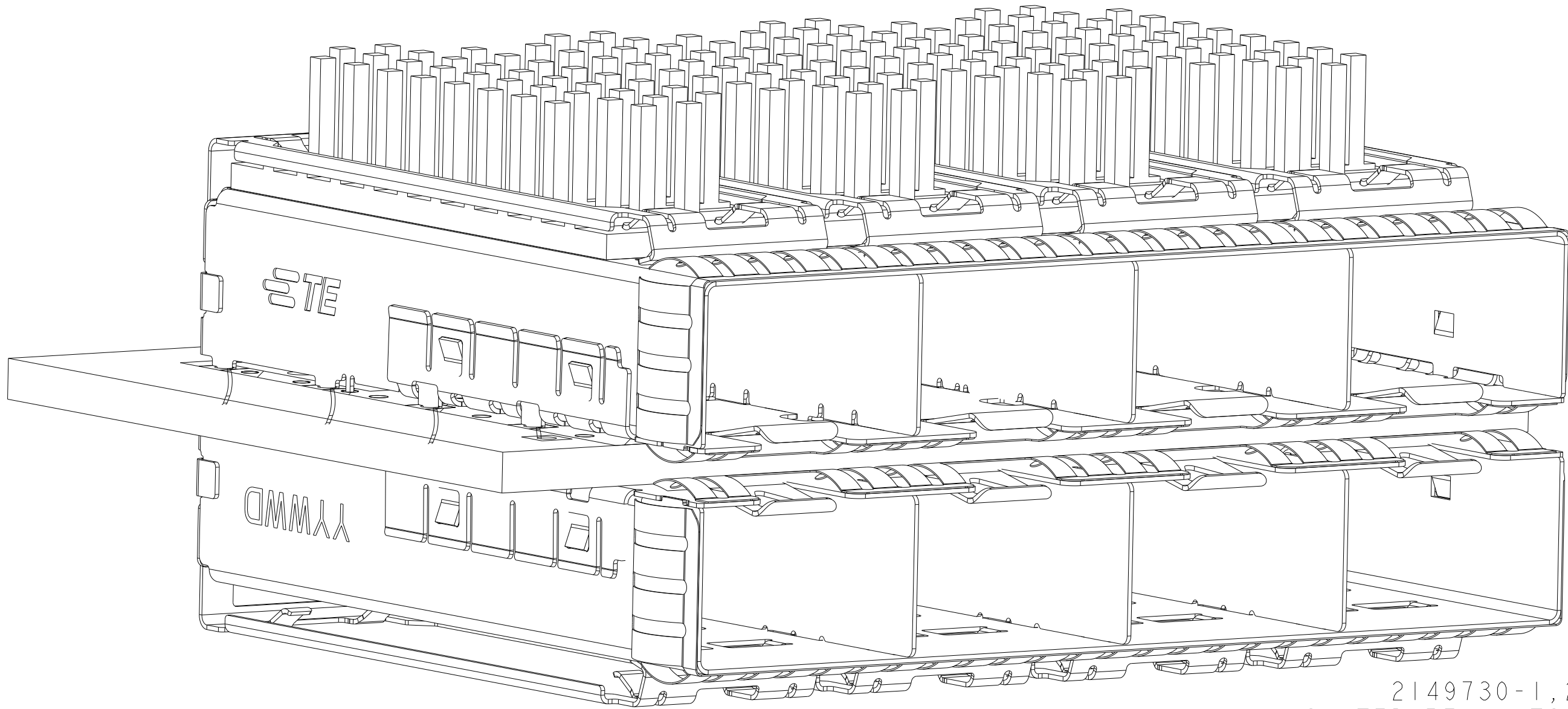
2149730-6,7,8,9,10  
FINISHED ASSEMBLY WITH  
FIN TYPE HEAT SINK

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: 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 = 1.50mm  
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 FROM FACTOR FOR SFP+ GANGED CAGES.


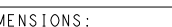


13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE



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	2149730-10
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

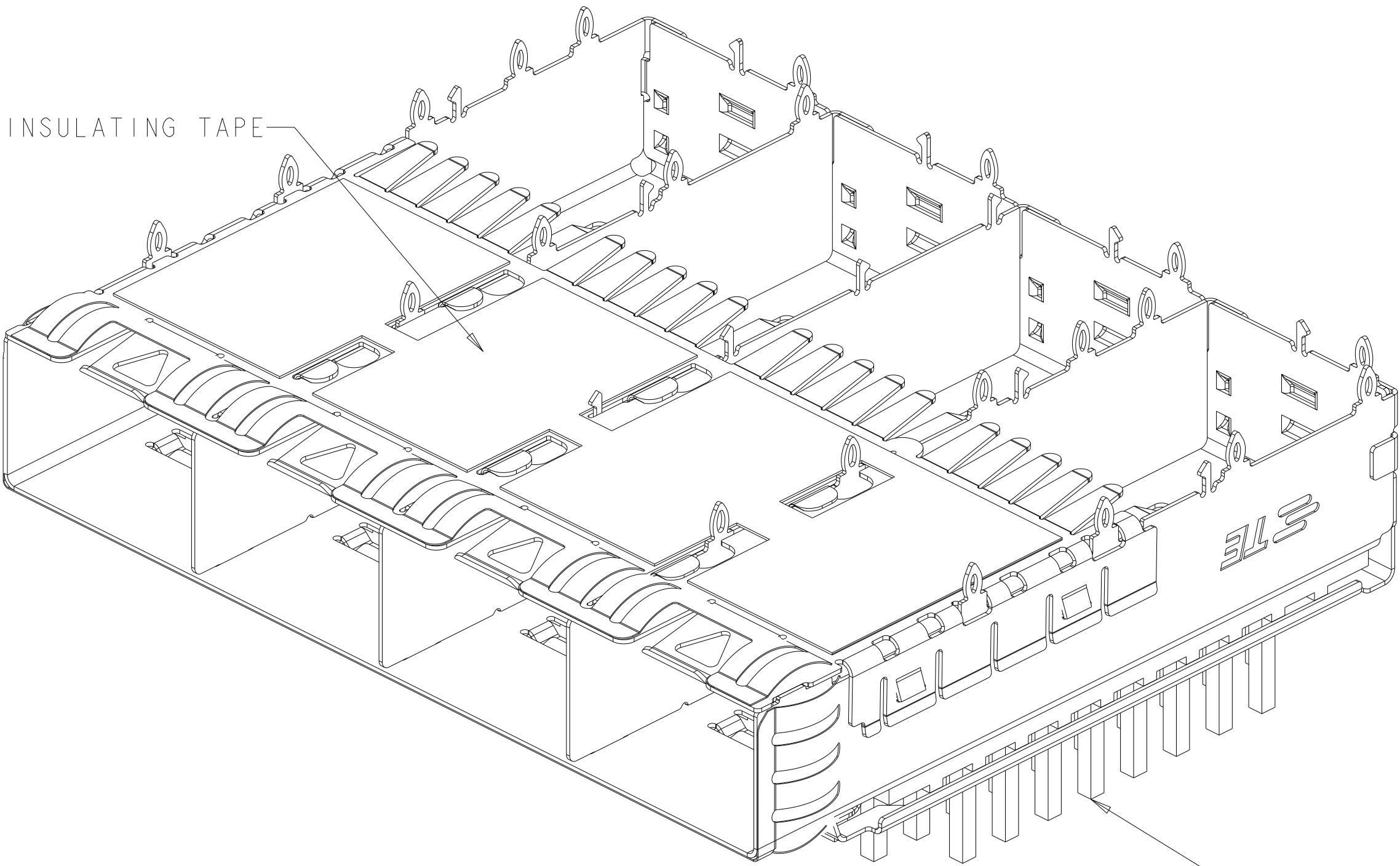


2149730-1,2,3,4,5  
MOUNTED BELLY TO BELLY ON PCB  
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN M. SCHMITT 23AUG2010		 TE Connectivity	
DIMENSIONS:		CHK M. SCHMITT 23AUG2010			
mm		APPROVED B. WERTZ 23AUG2010		NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK
		PRODUCT SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		108-2364			
0 PLC ±0.1		APPLICATION SPEC			
1 PLC ±0.1		114-13120			
2 PLC ±0.1		WEIGHT			
3 PLC ±0.1		Customer Drawing			
4 PLC ±0.1		RESTRICTED TO			
ANGLES FINISH ±1°0'		114-13120		A100779C=2149730	
MATERIAL			SCALE 2:1 SHEET 1 OF 9 REV A7		

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

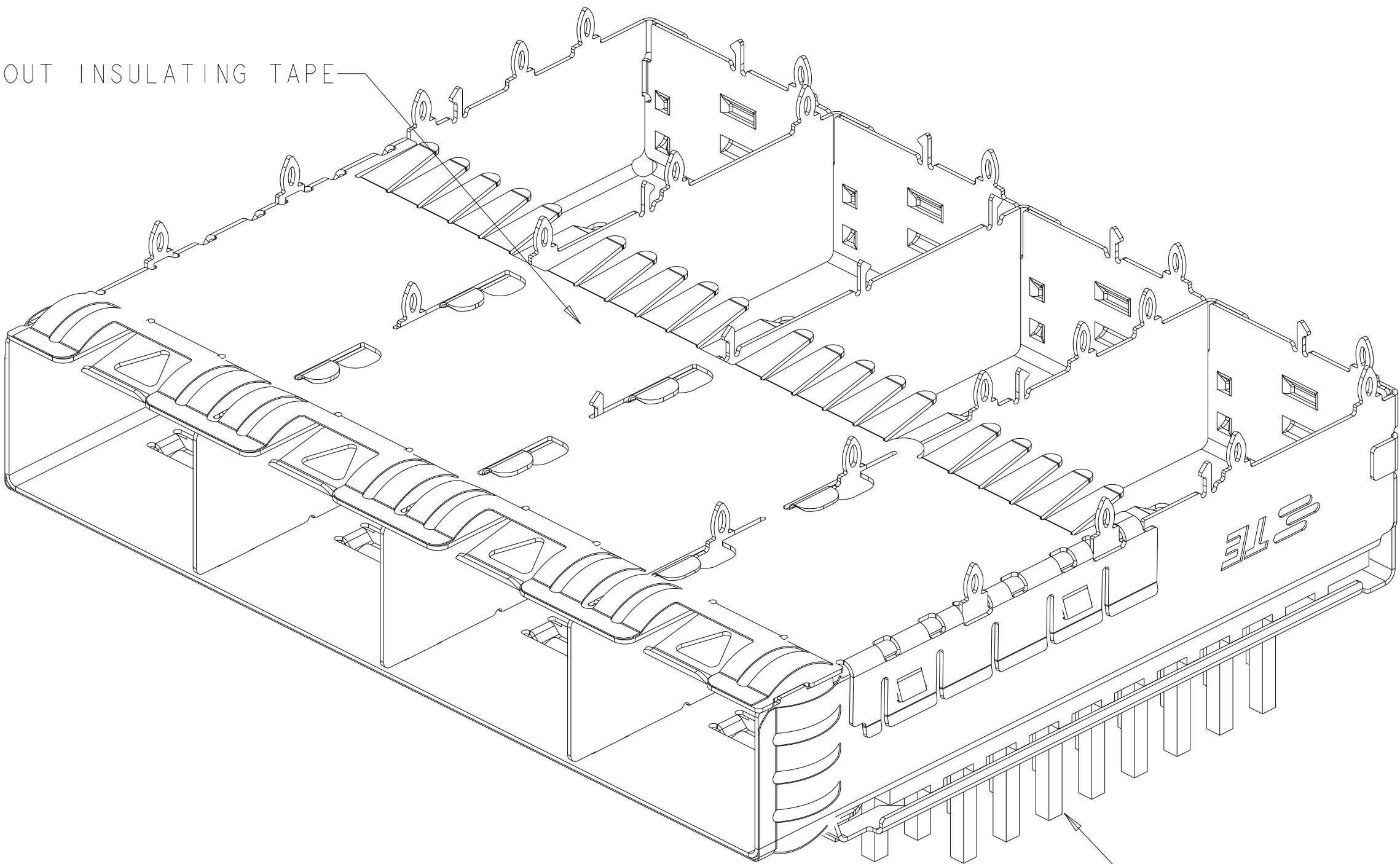
WITH INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

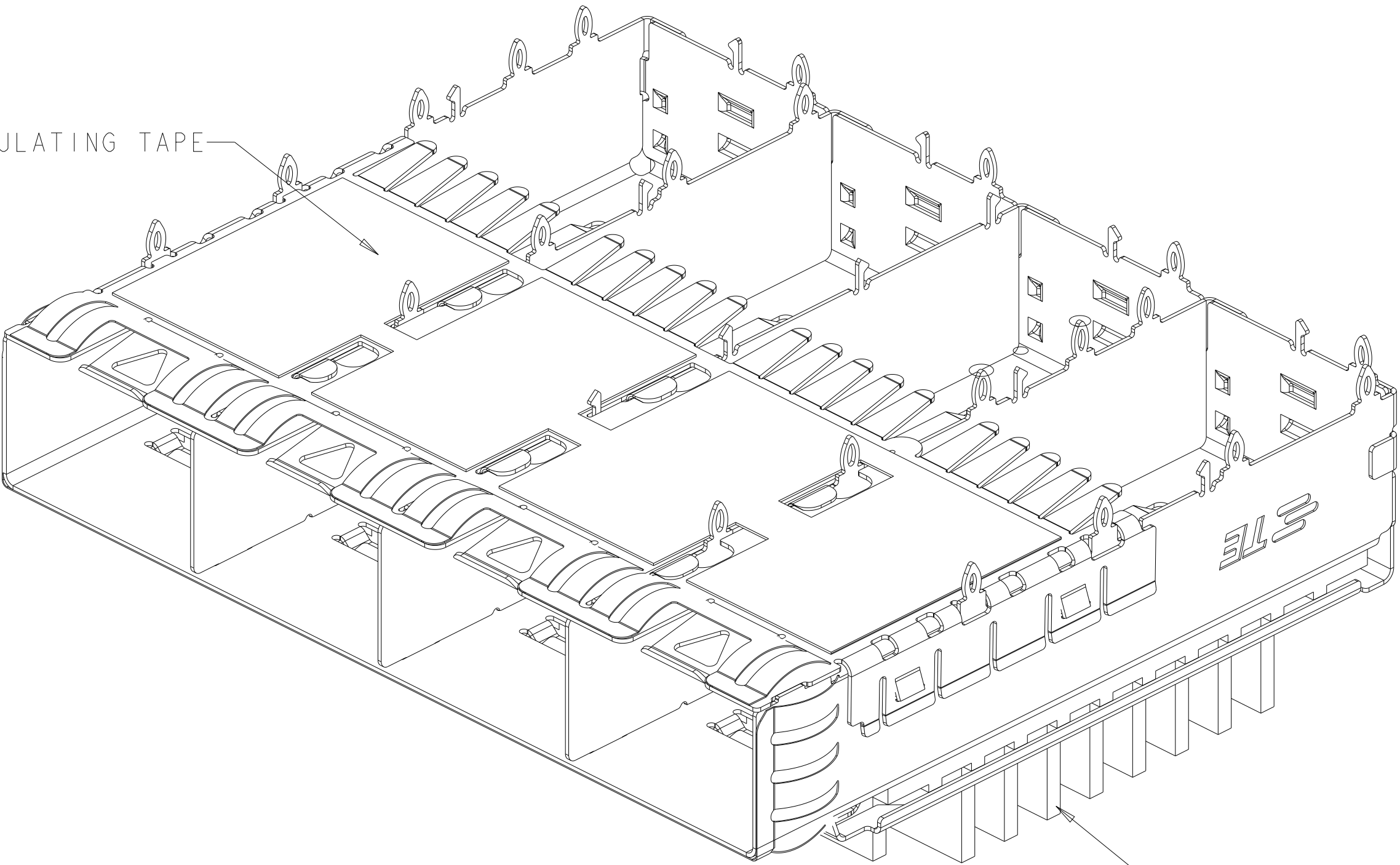
WITHOUT INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

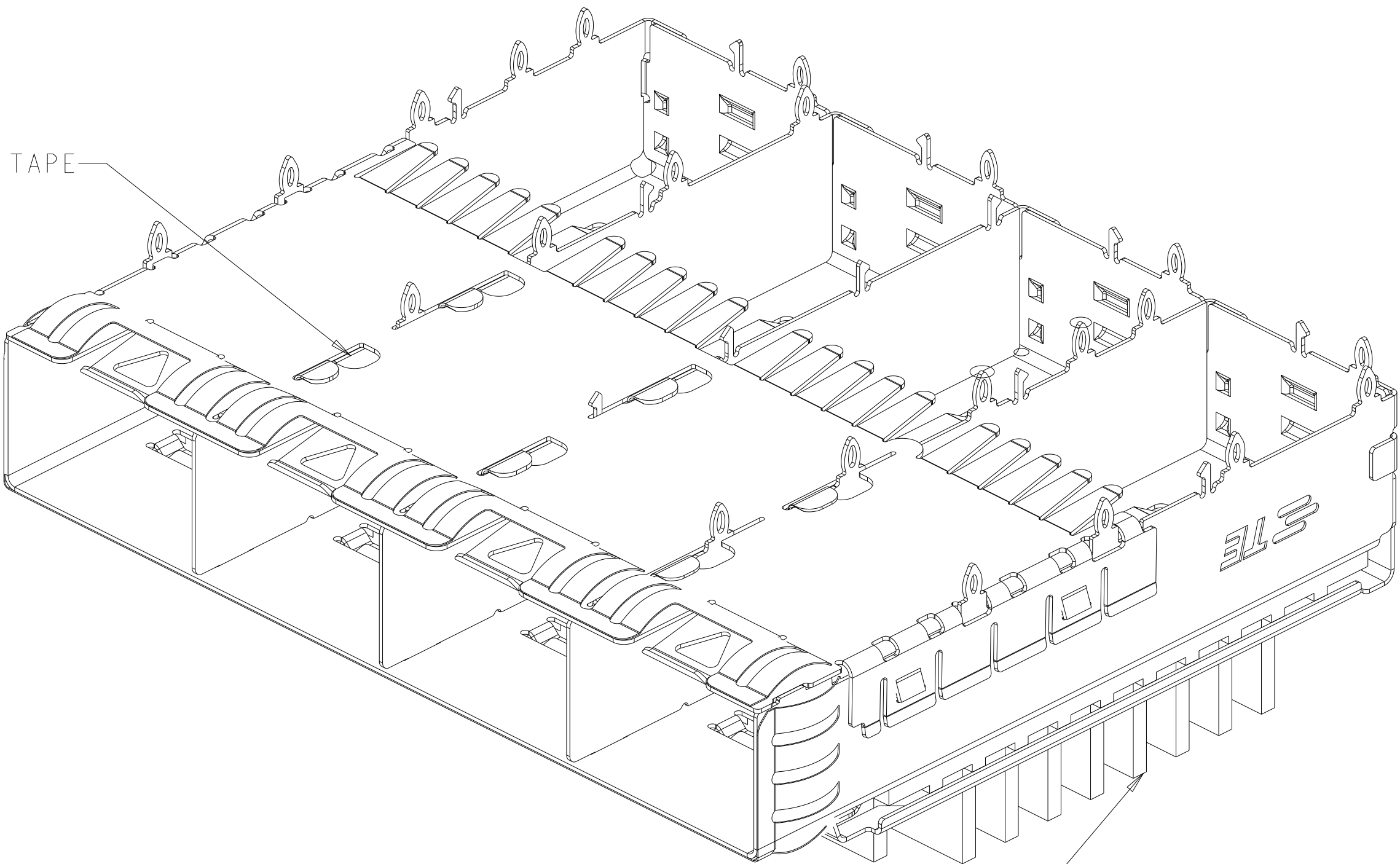
WITH INSULATING TAPE



WITH FIN TYPE HEAT SINK




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

WITHOUT INSULATING TAPE



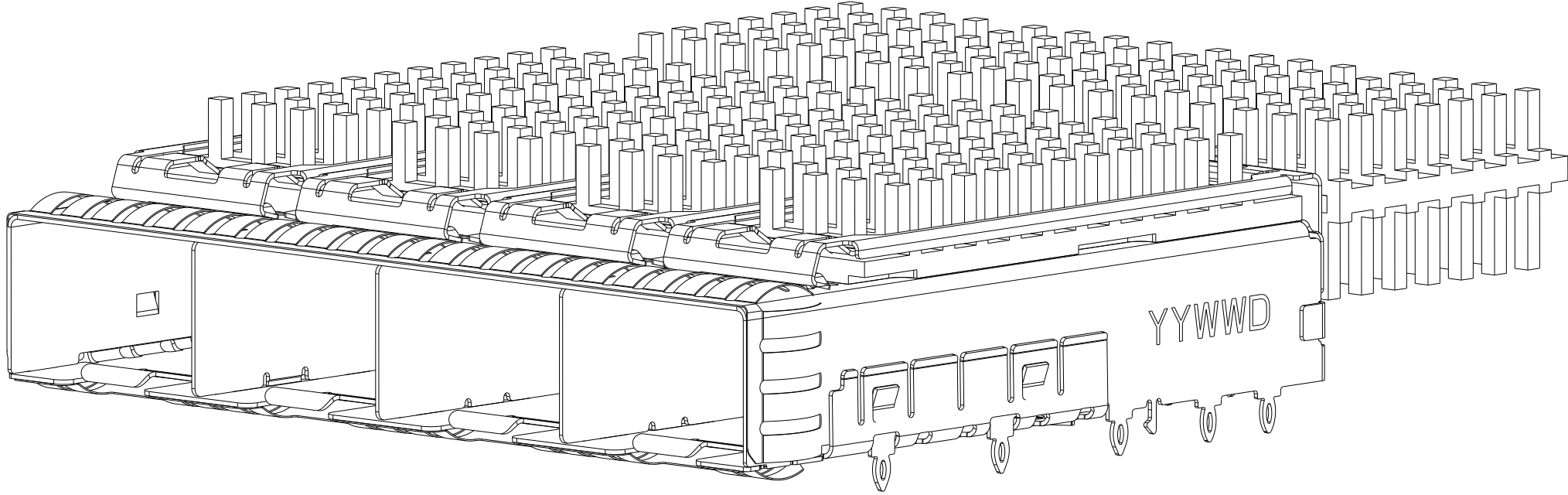
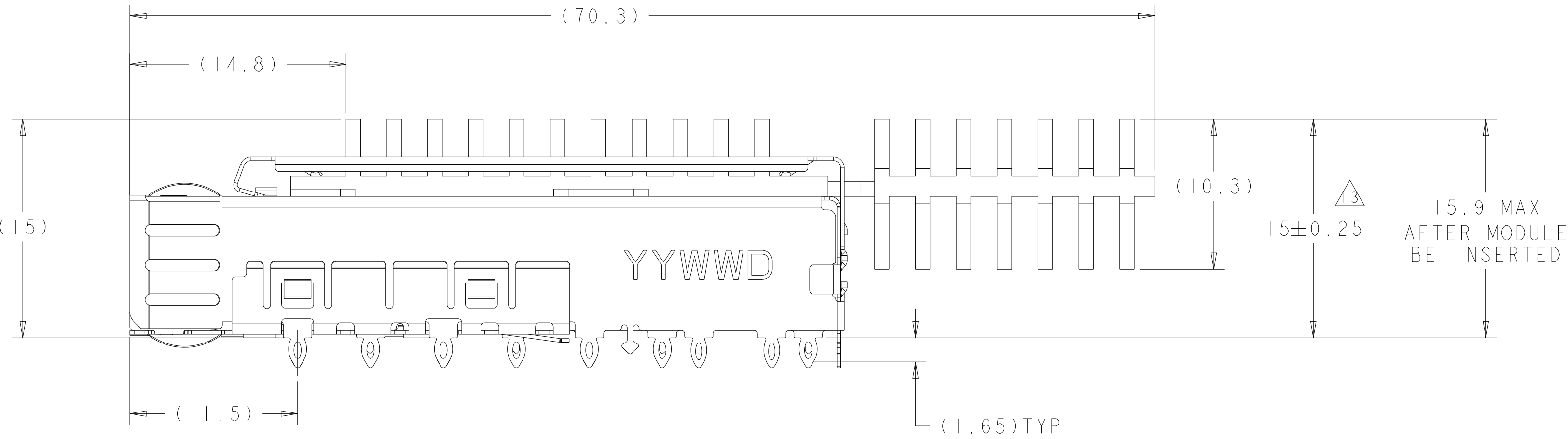
WITH FIN TYPE HEAT SINK

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		
		CHK M. SCHMITT	23AUG2010				
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:			NAME	SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		0 PLC	±0.1	APVD B. WERTZ			PRODUCT SPEC
	1 PLC	±0.1	108-2364		SIZE		
	2 PLC	±0.1	APPLICATION SPEC				
	3 PLC	±0.1	114-13120		CAGE CODE   DRAWING NO		
	4 PLC	±0.1	±1°0'				
MATERIAL		ANGLES			RESTRICTED TO	-	
		FINISH	-		Customer Drawing	SCALE 2:1   SHEET 2 OF 9   REV A7	

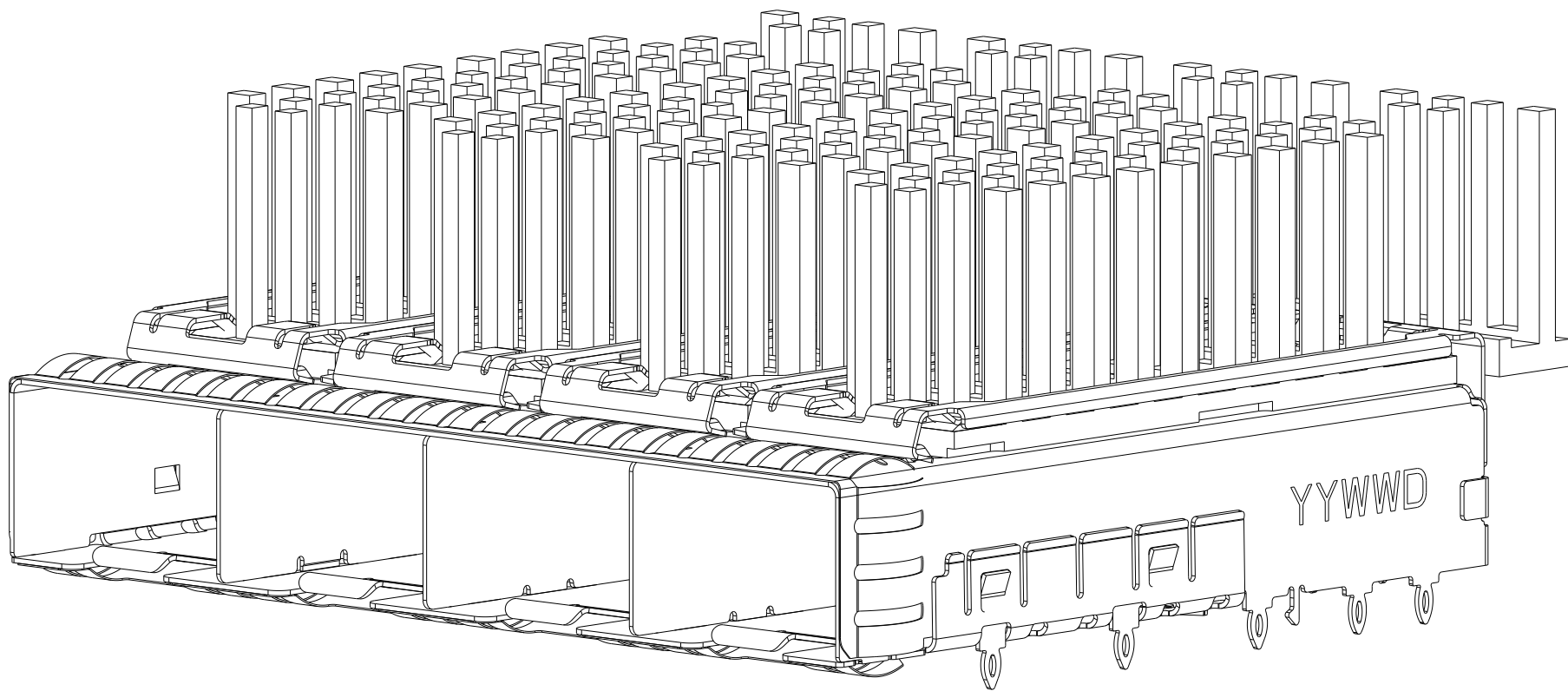
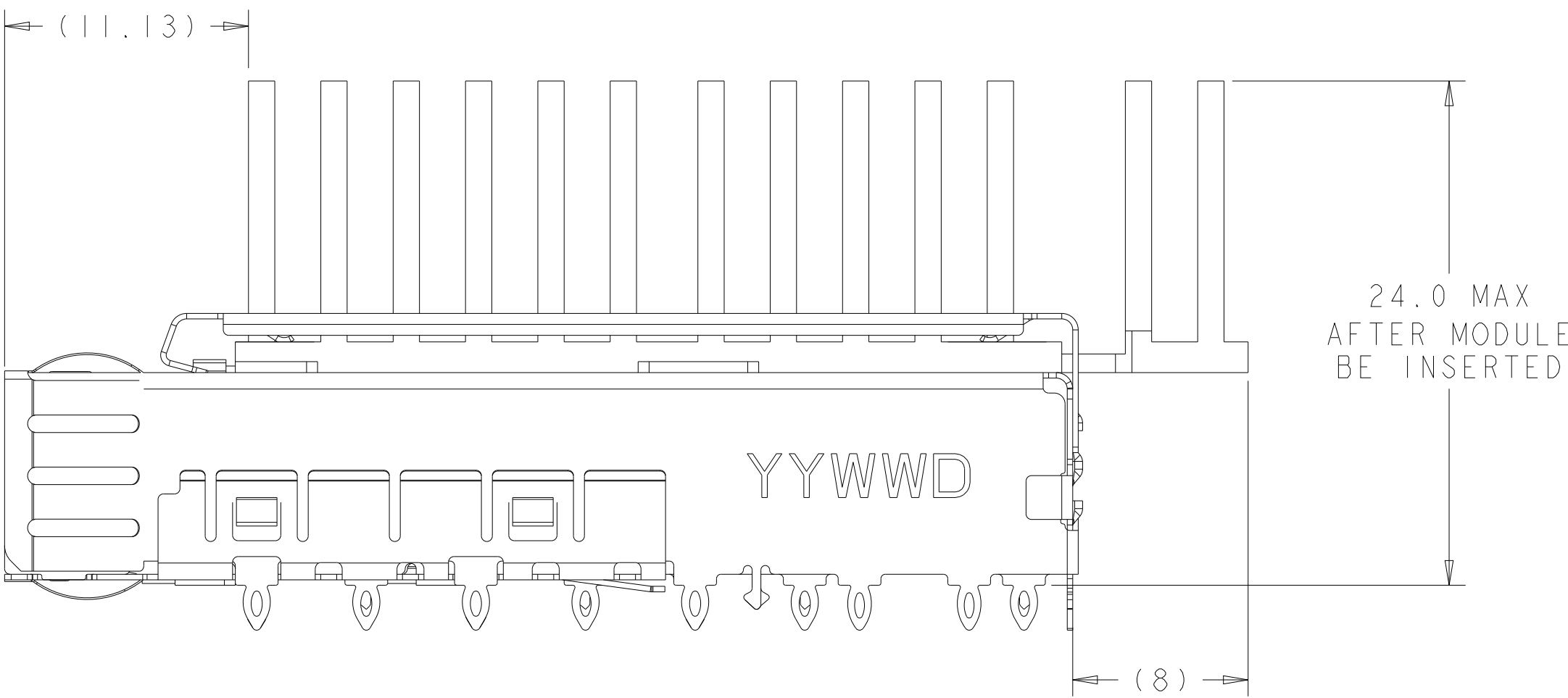
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-

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



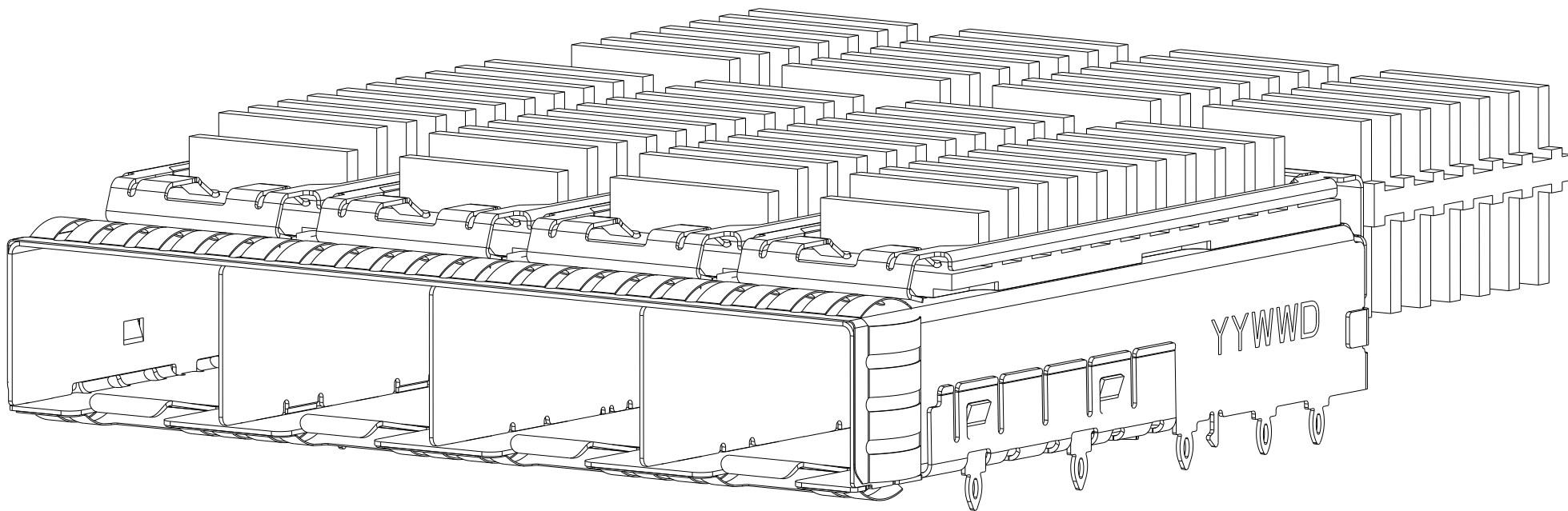
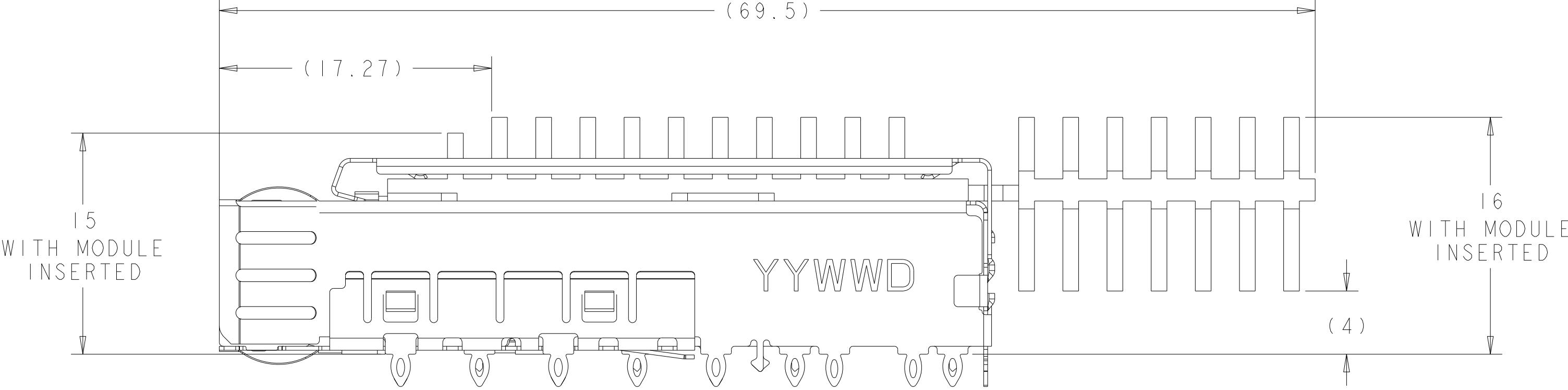
1-2149730-1 3D VIEW  
SCALE 3:1

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




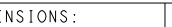

1-2149730-2 3D VIEW  
SCALE 3:1

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



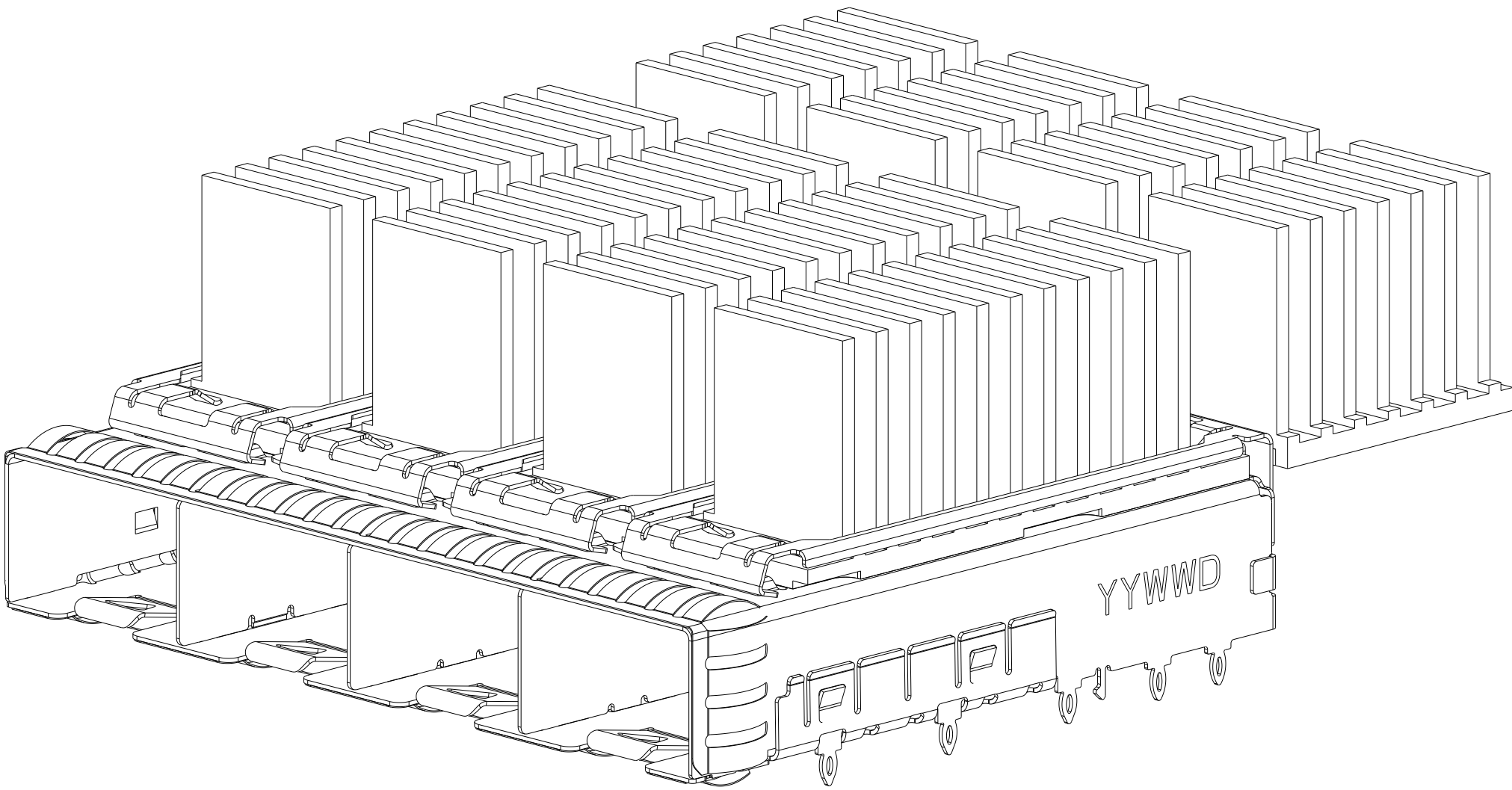
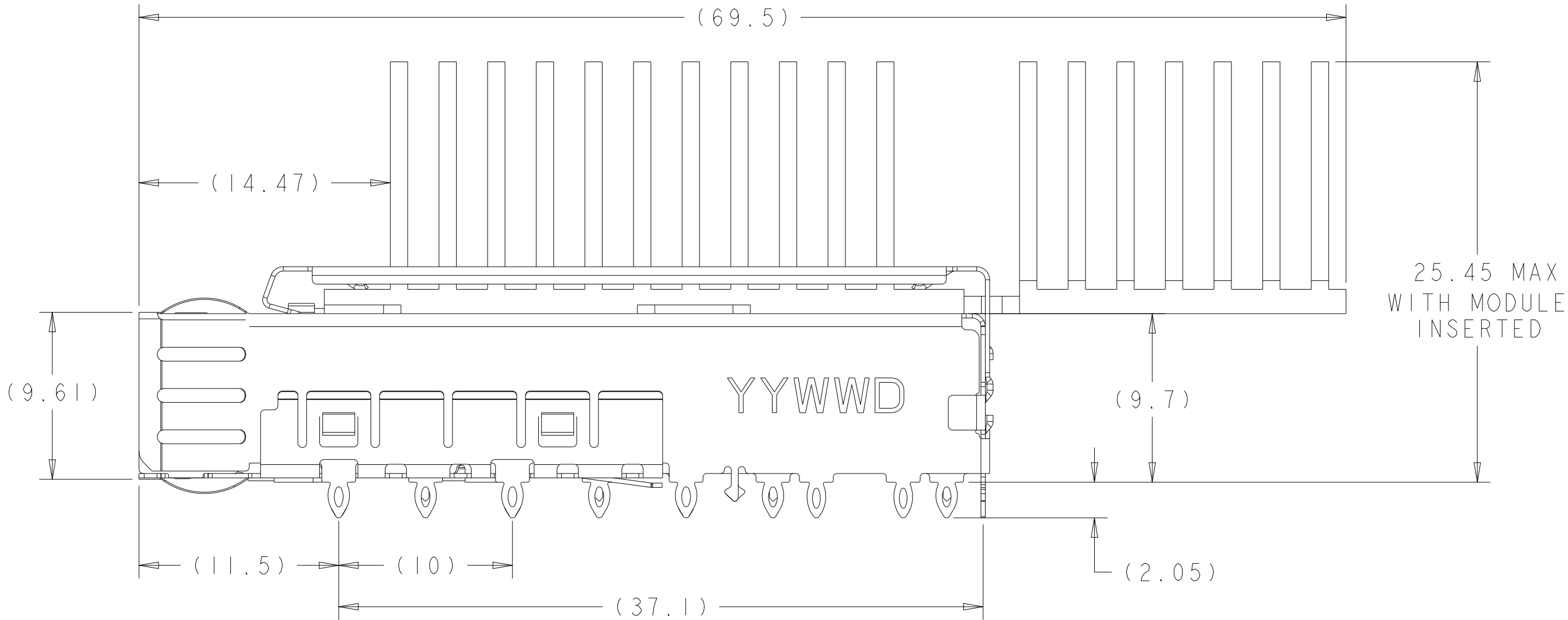
1-2149730-3 3D VIEW  
SCALE 3:1

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 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°0'			
MATERIAL		FINISH		RESTRICTED TO	
		PRODUCT SPEC			
		108-2364			
		APPLICATION SPEC			
		114-13120			
		WEIGHT			
		-			
Customer Drawing		SIZE	CAGE CODE	DRAWING NO	
		A1	00779	C=2149730	-
		SCALE	2:1	SHEET	3 of 9
		REV A7			

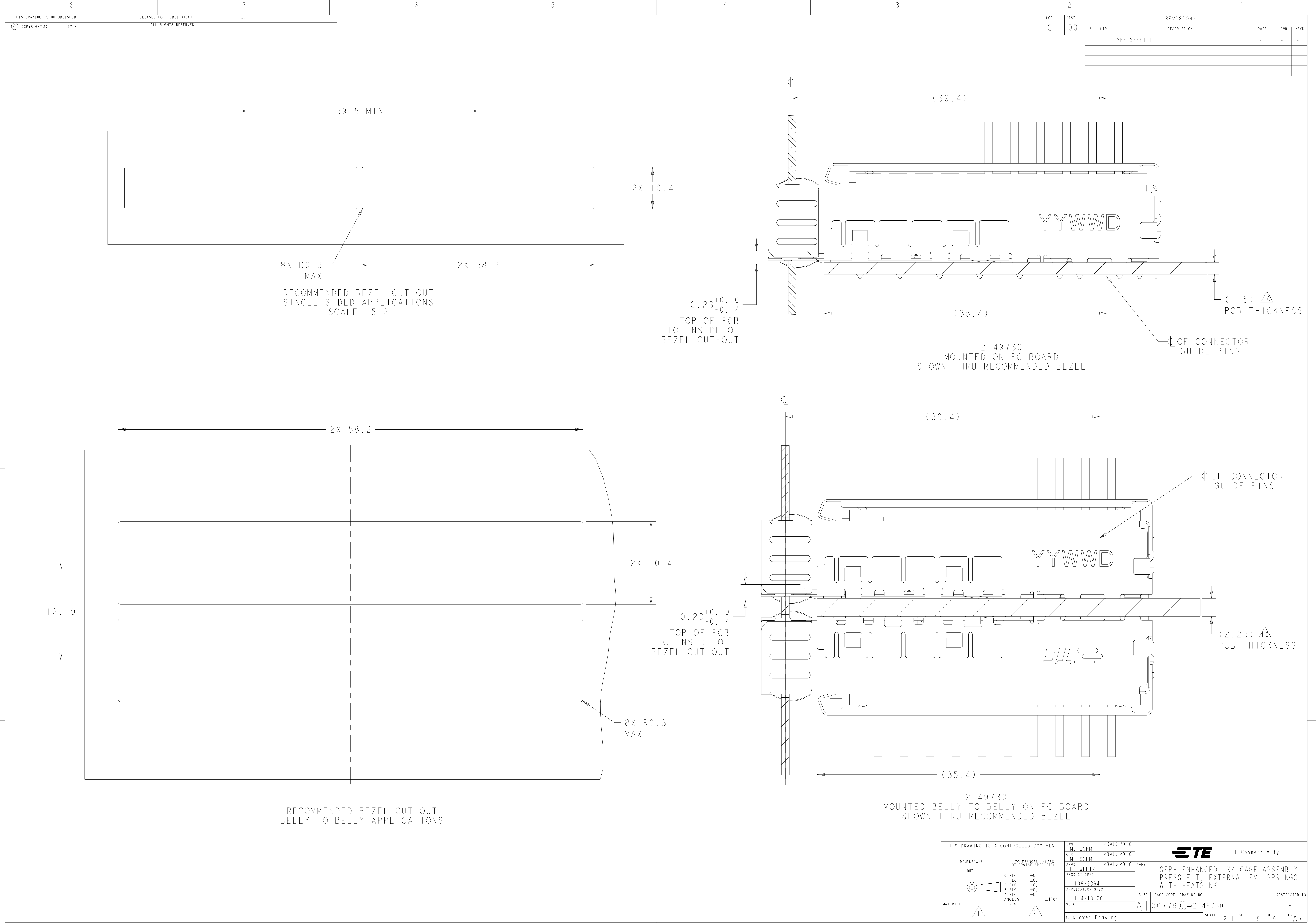
LOC		DIST		REVISIONS						
GP		00		P	LTR	DESCRIPTION		DATE	DWN	APVD
					-	SEE SHEET 1		-	-	-

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

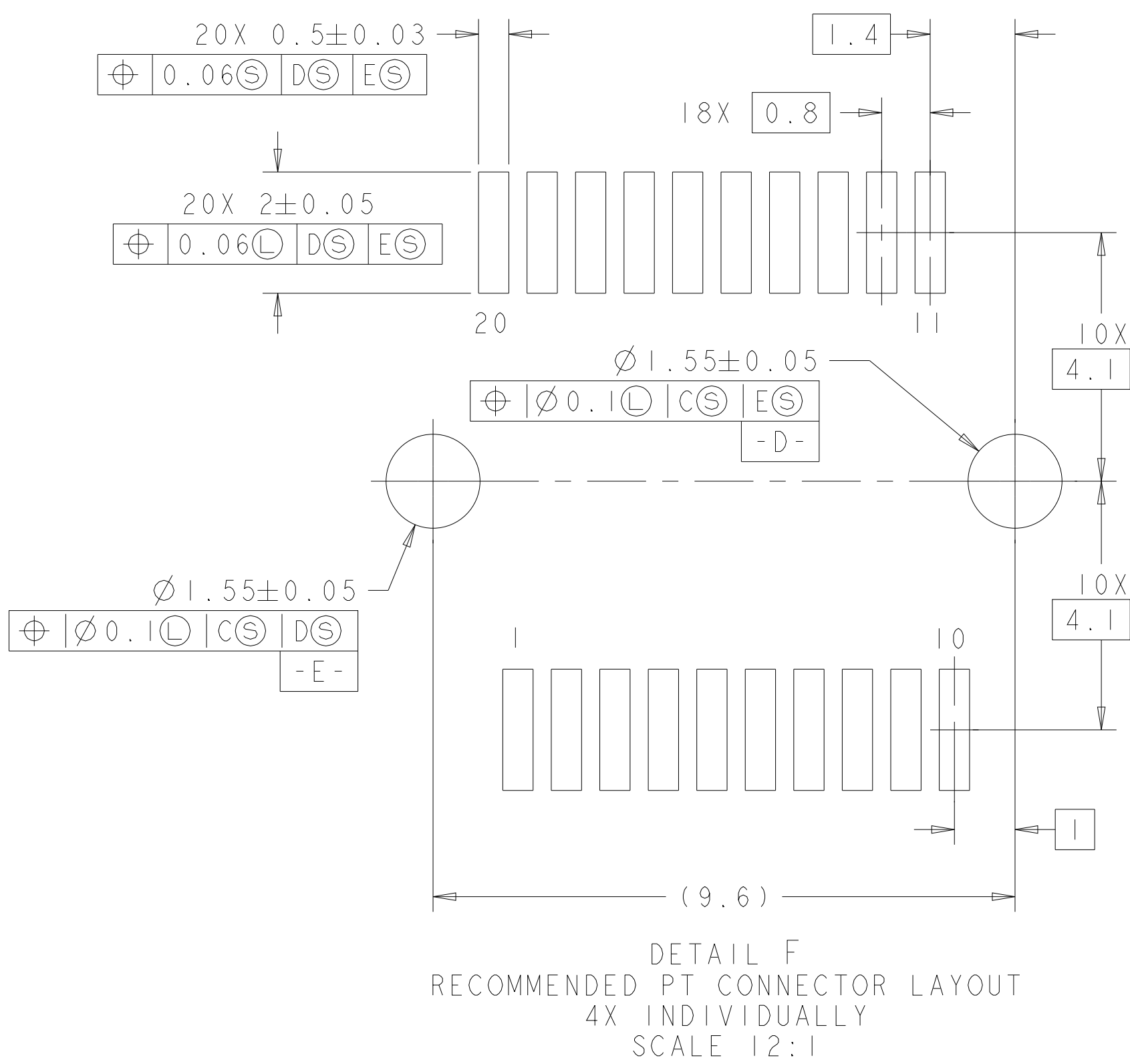


1-2149730-4 AS SHOWN  
UNMARKED SAME AS 2149730-1


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	M. SCHMITT	23AUG2010	 TE Connectivity						
				CHK	M. SCHMITT	23AUG2010							
				APVD	B. WERTZ	23AUG2010	NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK						
DIMENSIONS:				PRODUCT SPEC									
mm				APPLICATION SPEC									
				114-13120									
				WEIGHT									
				-									
MATERIAL				Customer Drawing									
				SCALE									
				2:1									
				SHEET									
				4									
				OF									
				9									
				REV									
				A7									

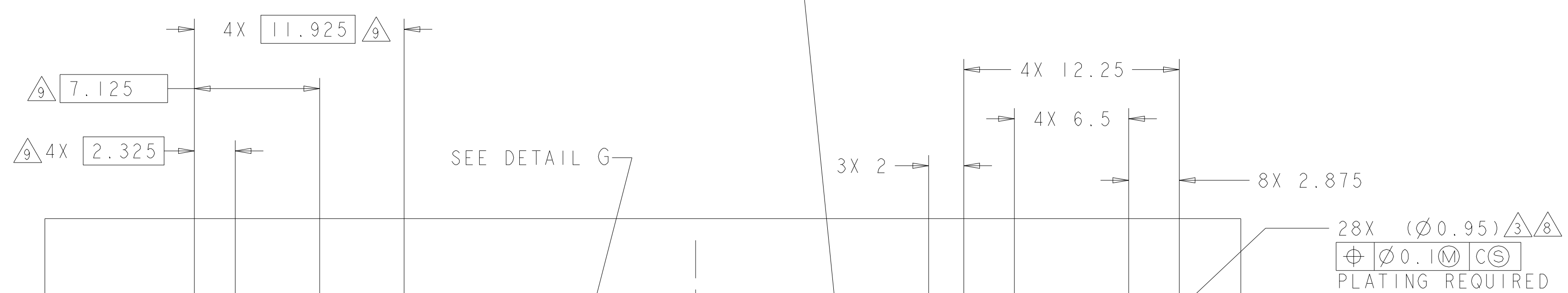




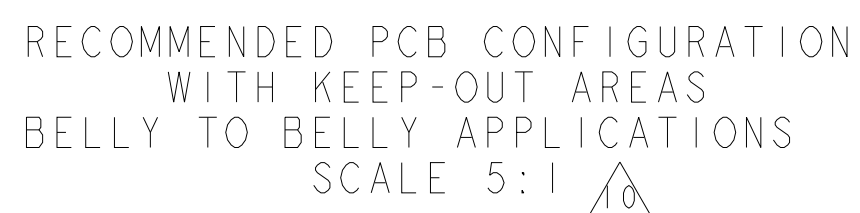
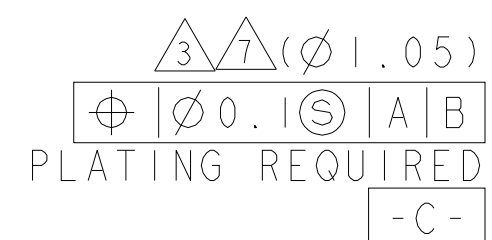


-CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG NO. <b>M SCHMITT</b>		23AUG2010				TE Connectivity	
				CHG M SCHMITT		23AUG2010					
DIMENSIONS:				TOLERANCES UNLESS OTHERWISE SPECIFIED:				FABR B WERTZ		23AUG2010	
mm								NAME		SFP+ ENHANCED IX4 CAGE ASSEMBLY	







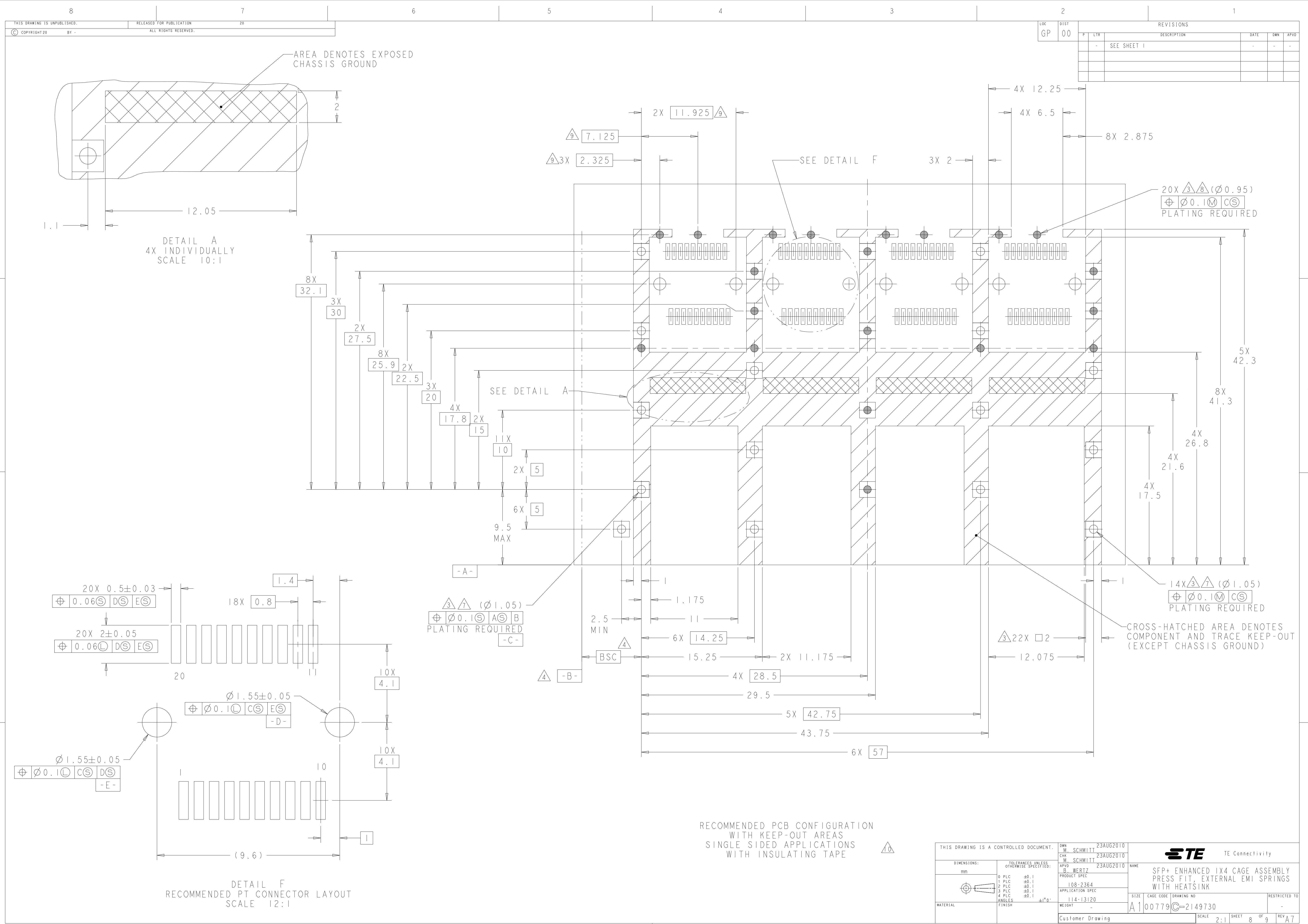
SEE DETAIL G—



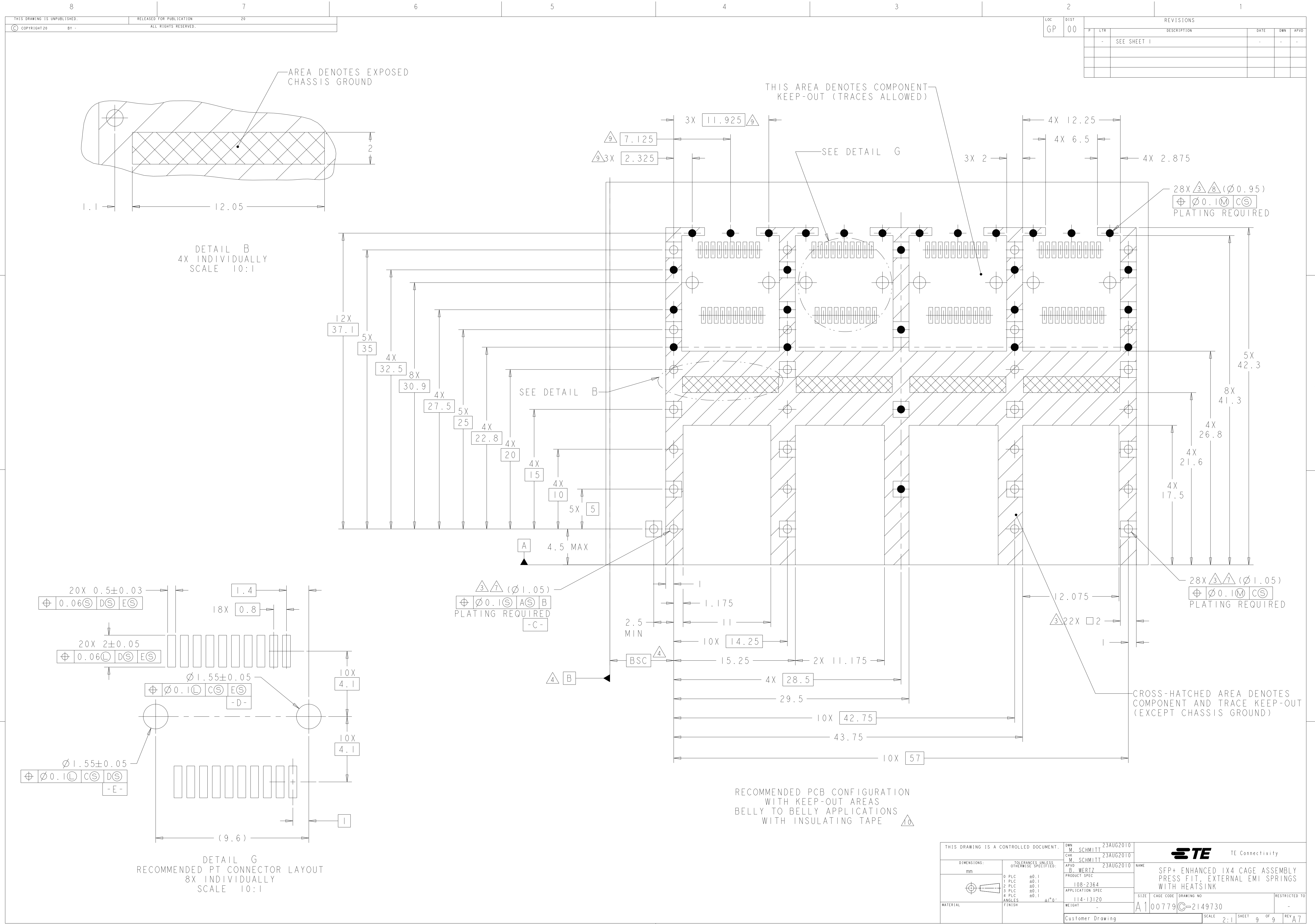
DETAIL G  
RECOMMENDED PT CONNECTOR LAYOUT  
8X INDIVIDUALLY  
SCALE 10:1



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 $\pm 0.1$ 1 PLC $\pm 0.1$ 2 PLC $\pm 0.1$ 3 PLC $\pm 0.1$ 4 PLC $\pm 0.1$ ANGLES $\pm 10^\circ$ 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 C=2149730	
		WEIGHT -		RESTRICTED TO REV A	
Customer Drawing		SCALE 2:1		SHEET 7 of 9	







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