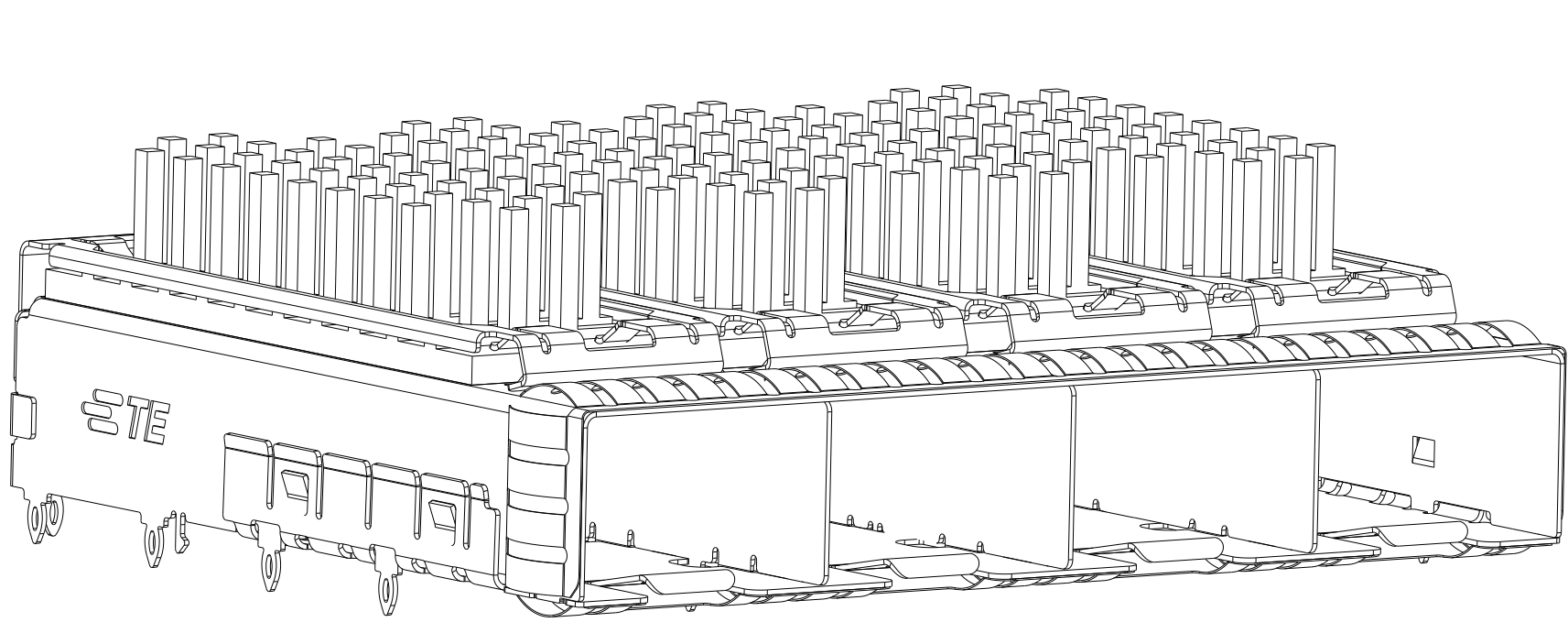
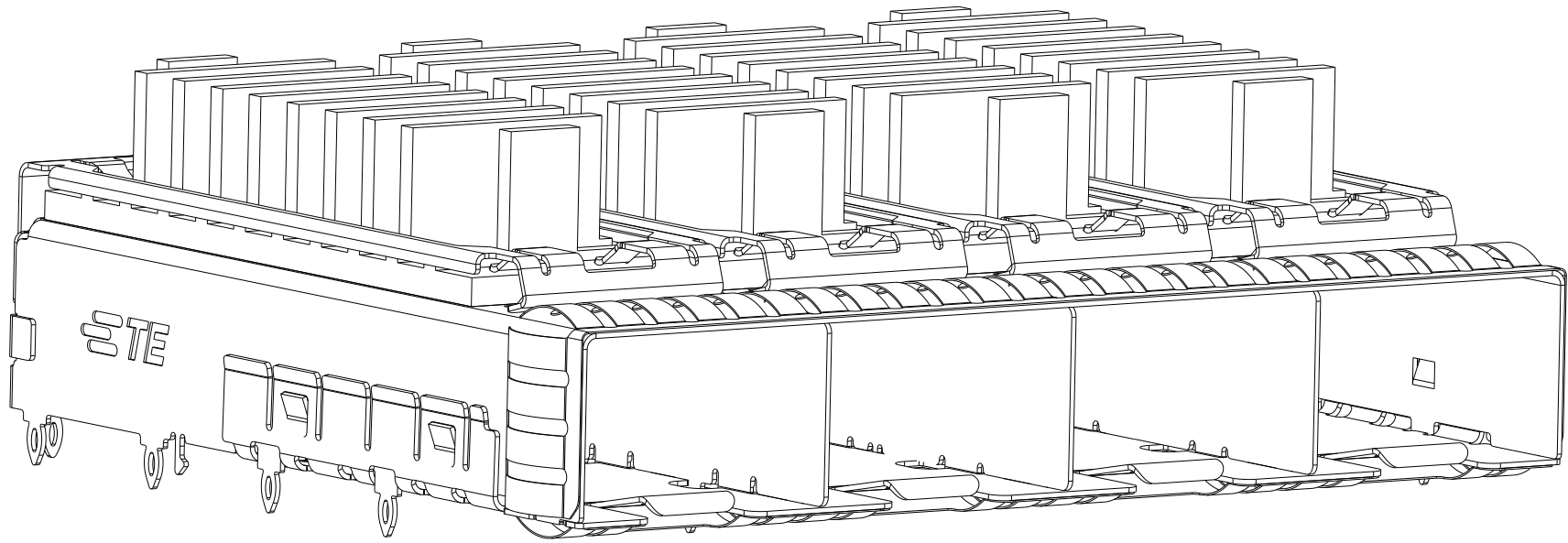


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	OWN	APVD	
GP	00		A4	REVISED PER ECR-19-006709	10APR2019	IT	SH	
			A5	REVISED PER ECO-20-000404	09JAN2020	IT	SH	
			A6	REVISED PER ECR-20-015251	28OCT2020	IT	SH	
			A7	ADD NEW DASH NUMBER 1-2149730-4	02NOV2021	SZ	SZ	



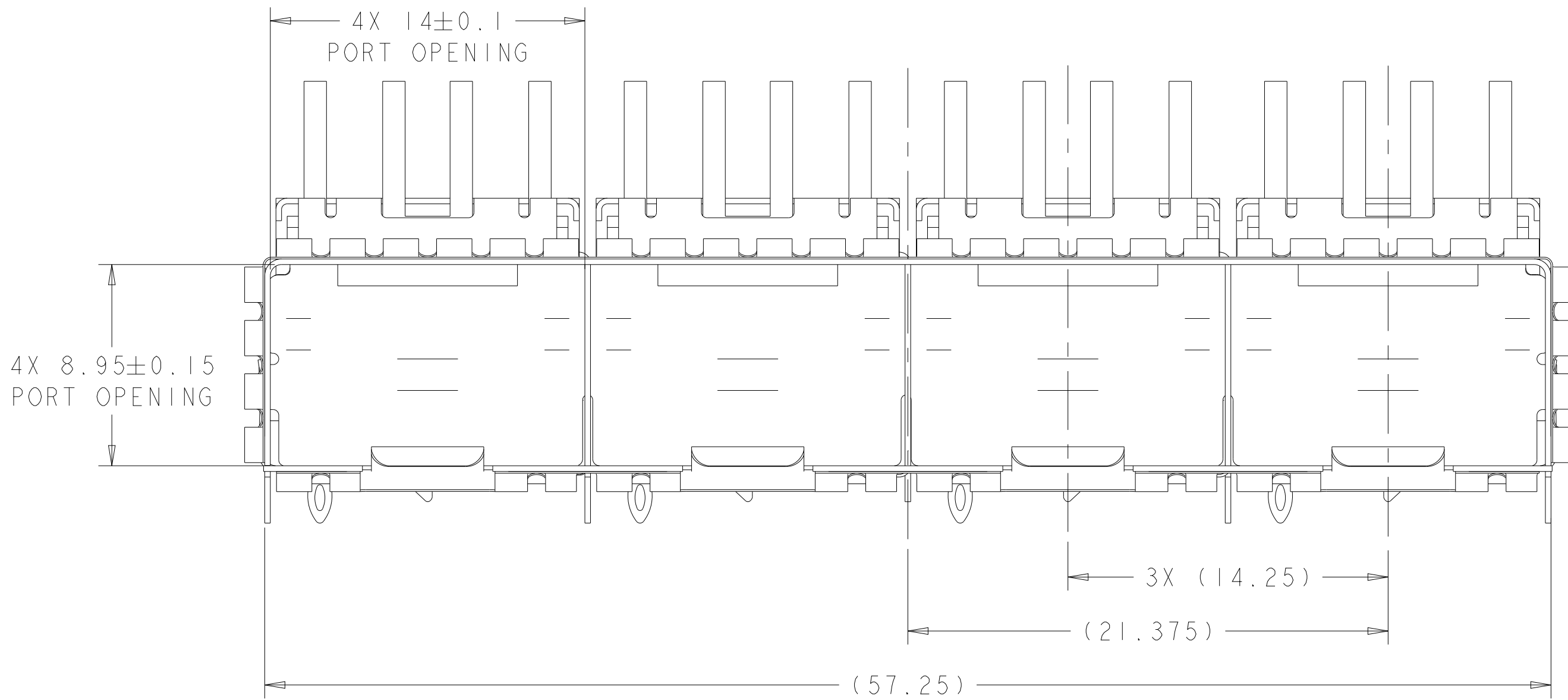
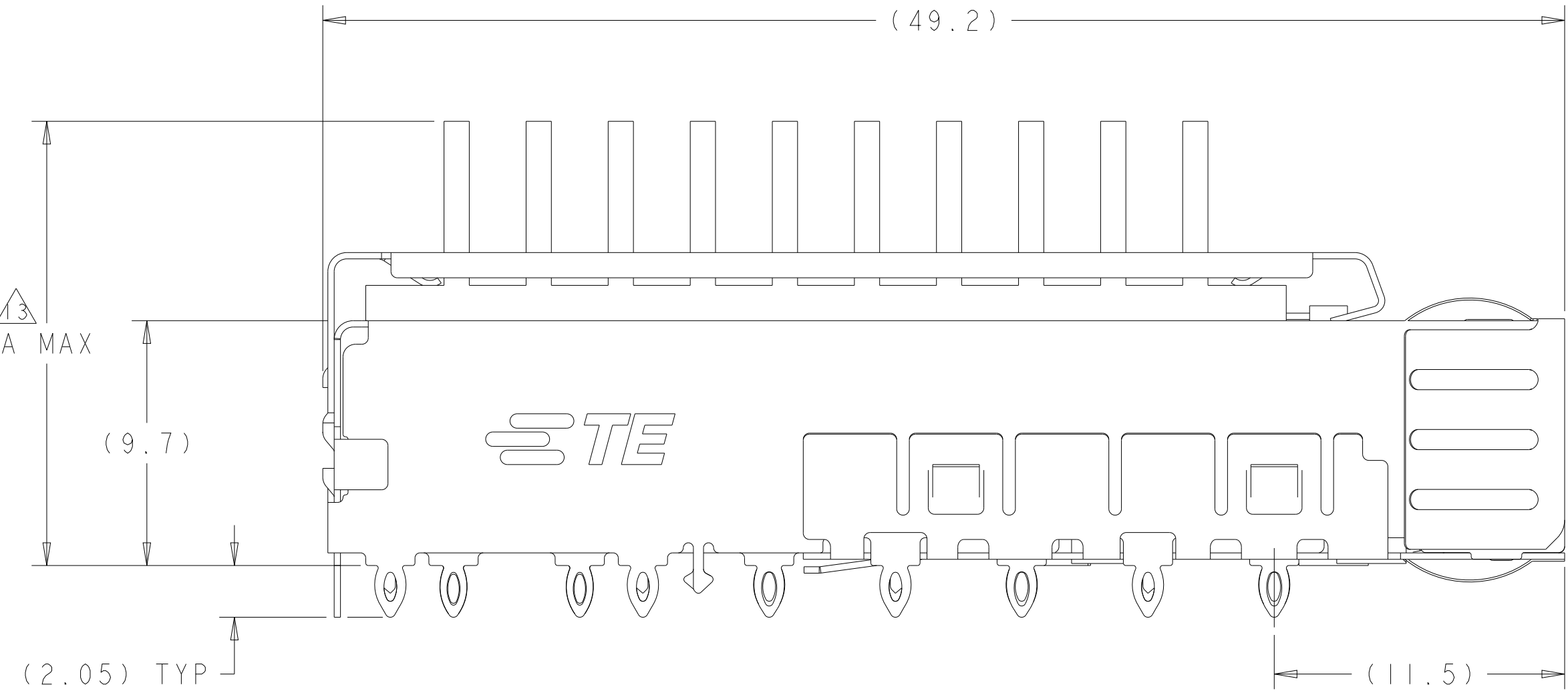
2149730-1,2,3,4,5
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK



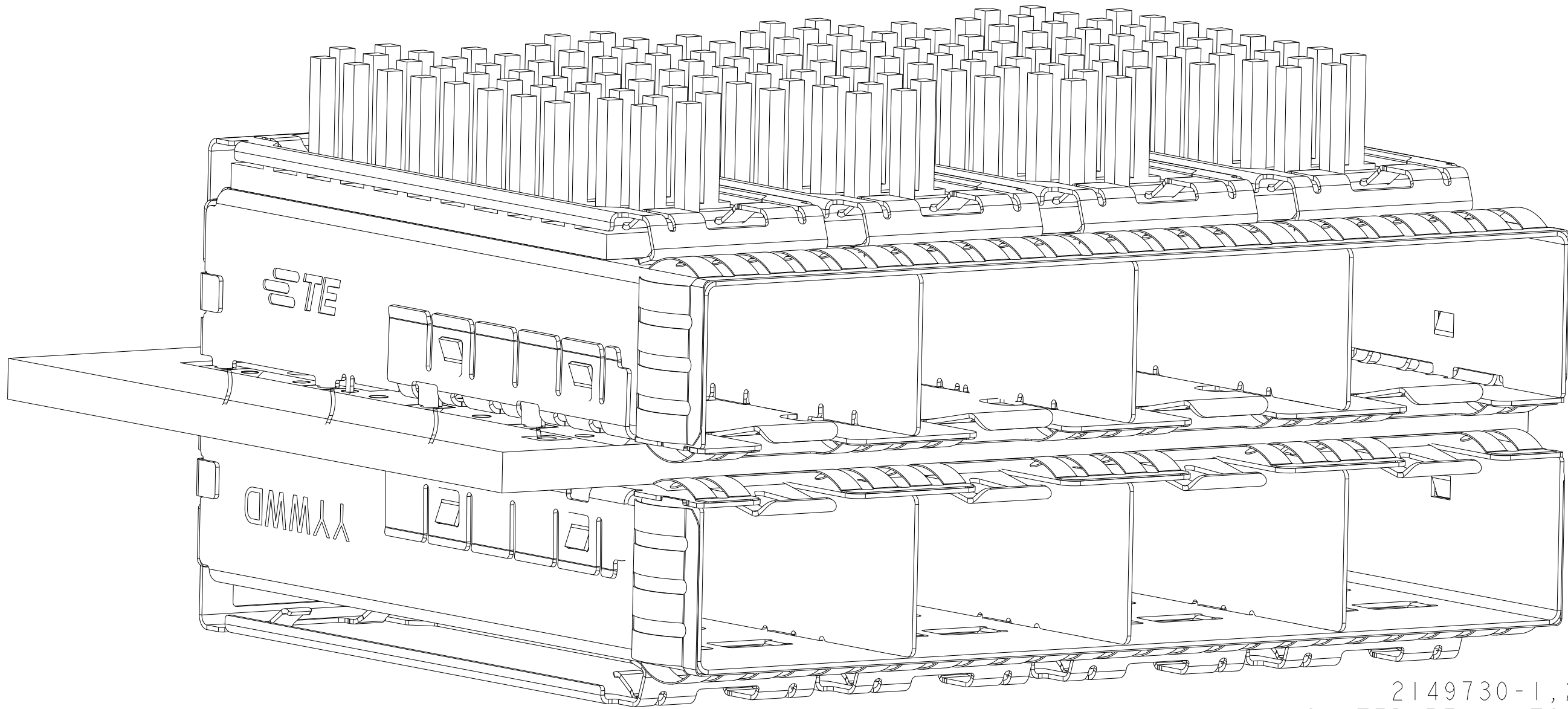
2149730-6,7,8,9,10
FINISHED ASSEMBLY WITH
FIN TYPE HEAT SINK

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

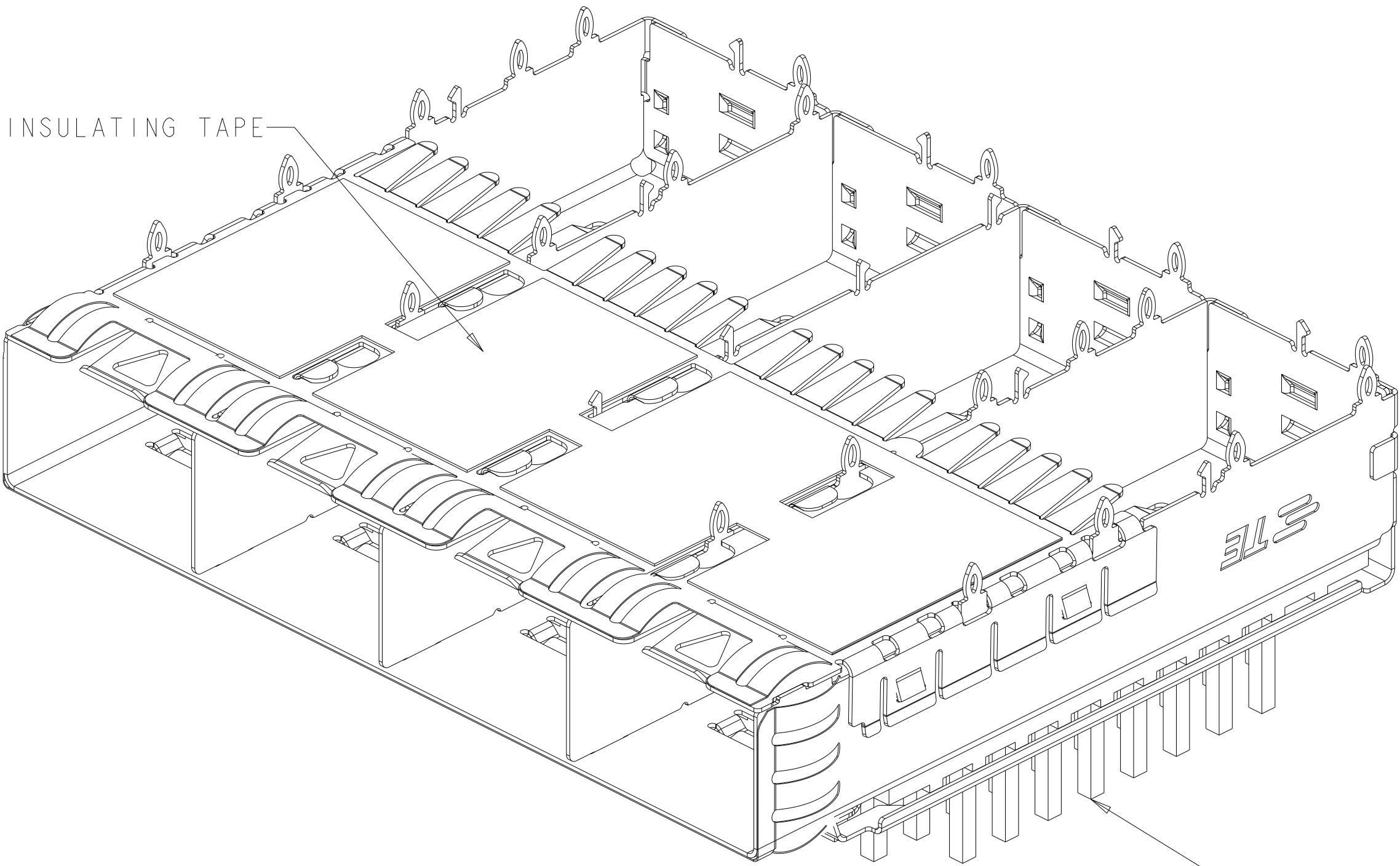


2149730-1,2,3,4,5
MOUNTED BELLY TO BELLY ON PCB
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN M. SCHMITT 23AUG2010	TE Connectivity	
DIMENSIONS:		CHK M. SCHMITT 23AUG2010		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD B. WERTZ 23AUG2010	NAME	
	0 PLC ±0.1	PRODUCT SPEC	SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
	1 PLC ±0.1			
	2 PLC ±0.1	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
	3 PLC ±0.1			
	4 PLC ±0.1	114-13120	A100779C=2149730	
	ANGLES ±1°			
MATERIAL	FINISH	WEIGHT	Customer Drawing	
		-	SCALE 2:1 SHEET 1 OF 9 REV A7	

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

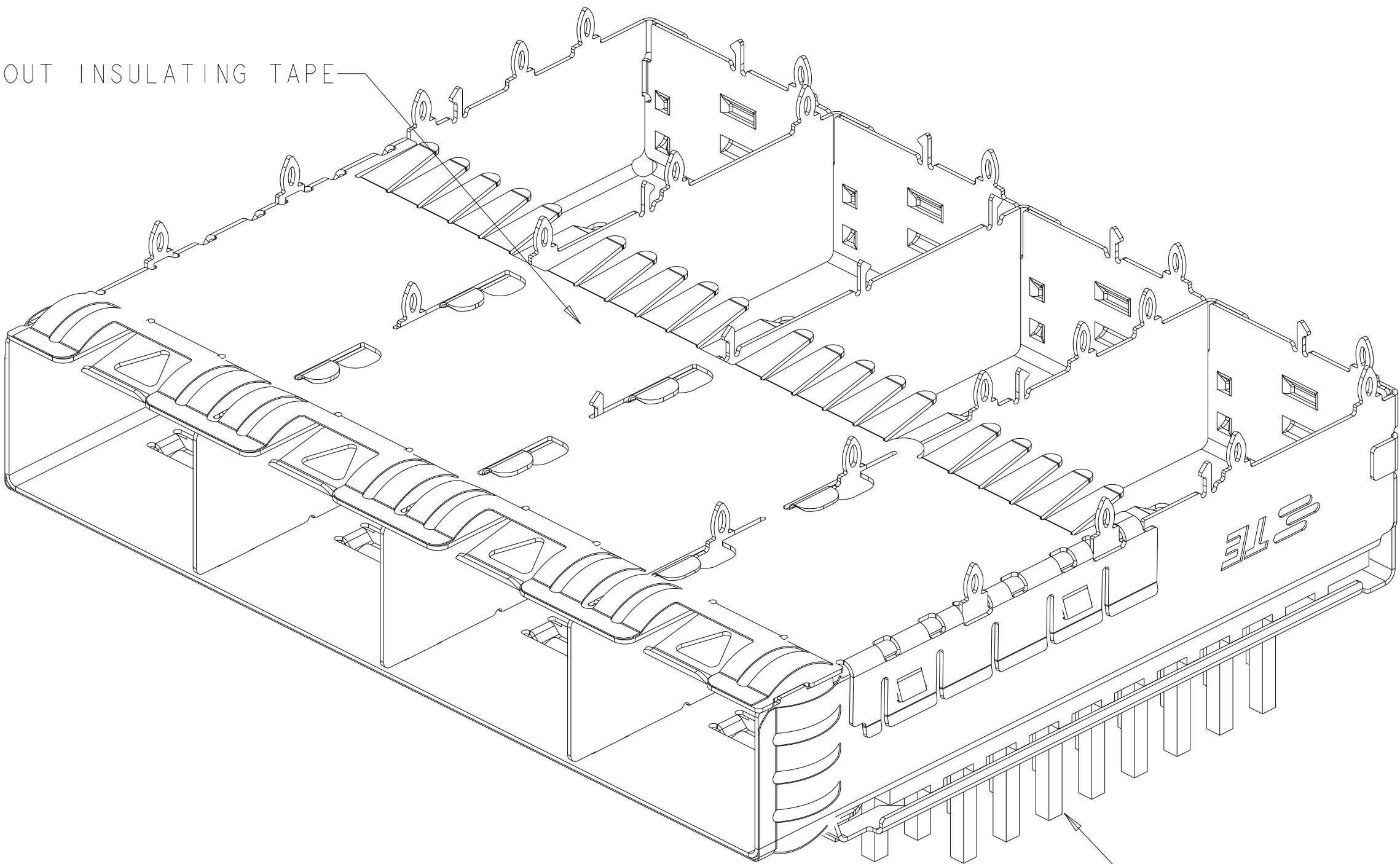
WITH INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

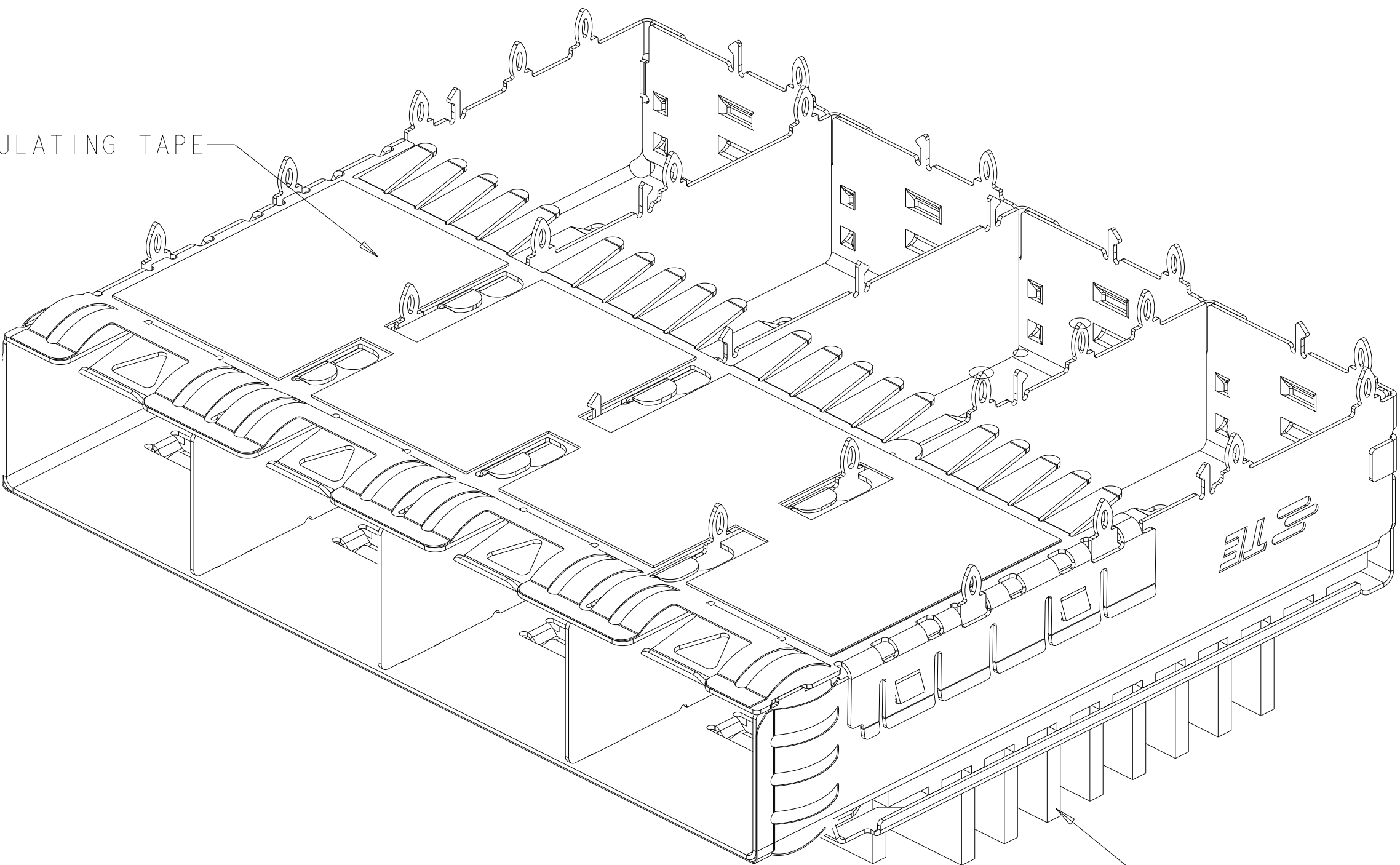
WITHOUT INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

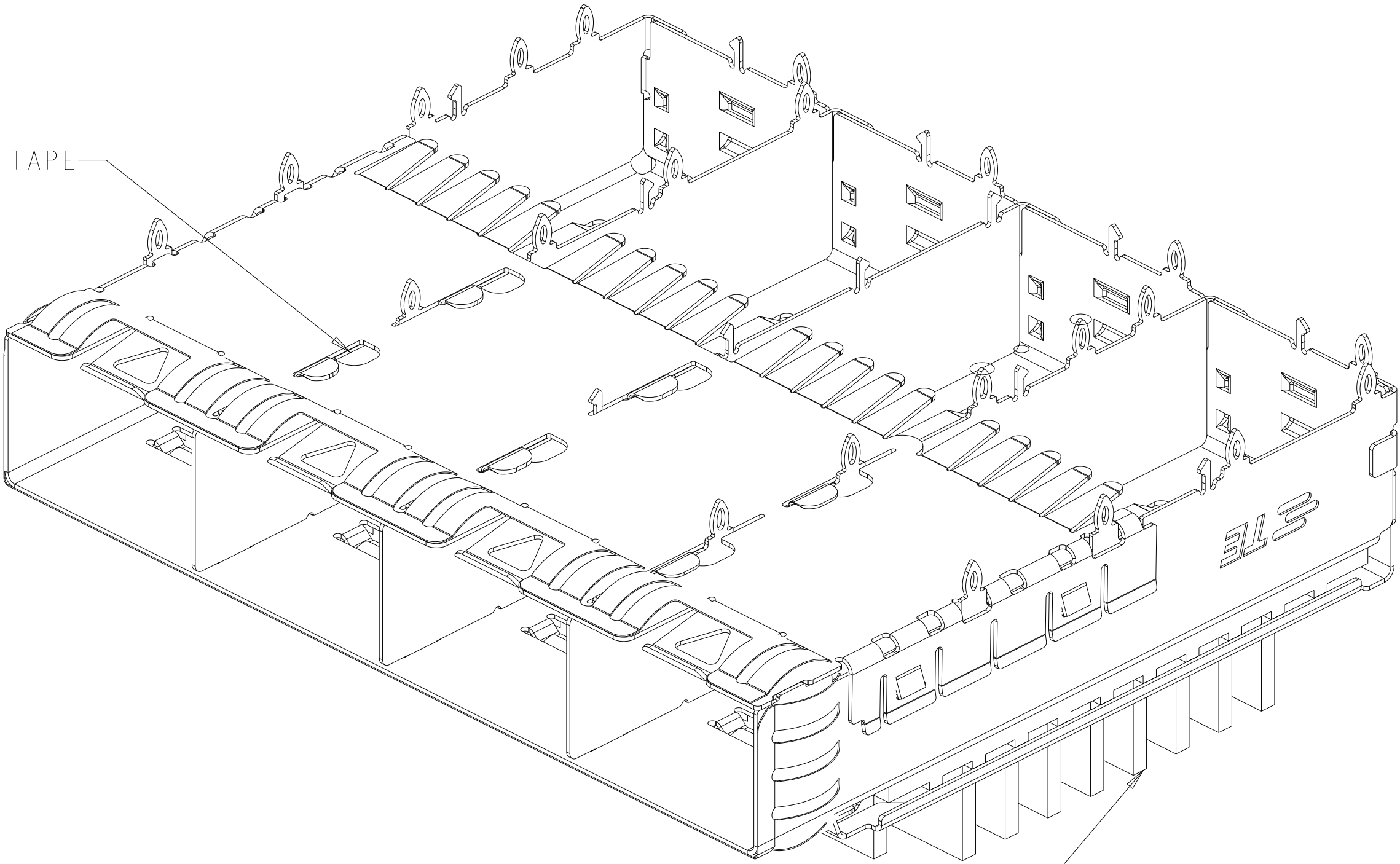
WITH INSULATING TAPE



WITH FIN TYPE HEAT SINK

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

WITHOUT INSULATING TAPE



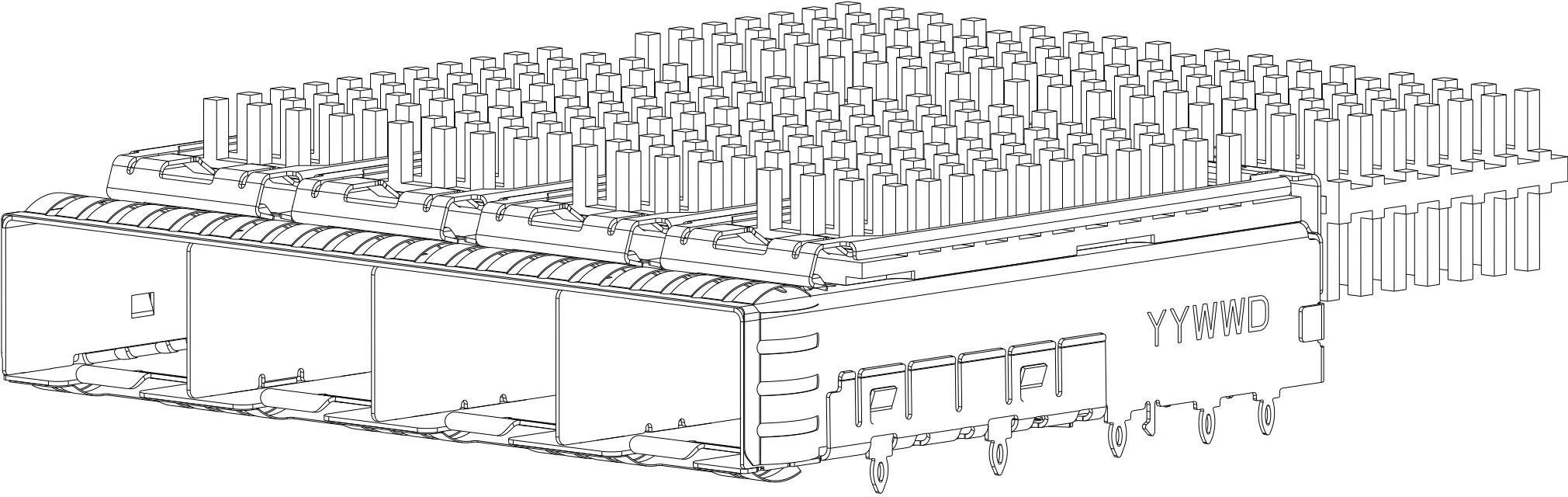
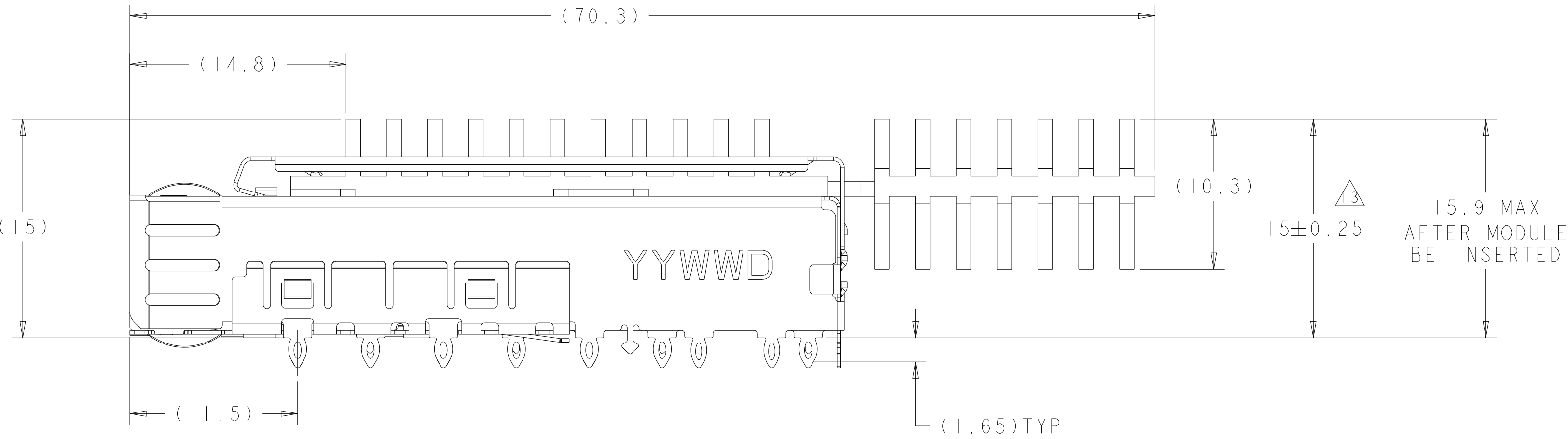
WITH FIN TYPE HEAT SINK

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:		APVD B. WERTZ	23AUG2010	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	
MATERIAL		114-13120		RESTRICTED TO	
		WEIGHT		A100779C=2149730	
		Customer Drawing		SCALE 2:1 SHEET 2 OF 9 REV A7	

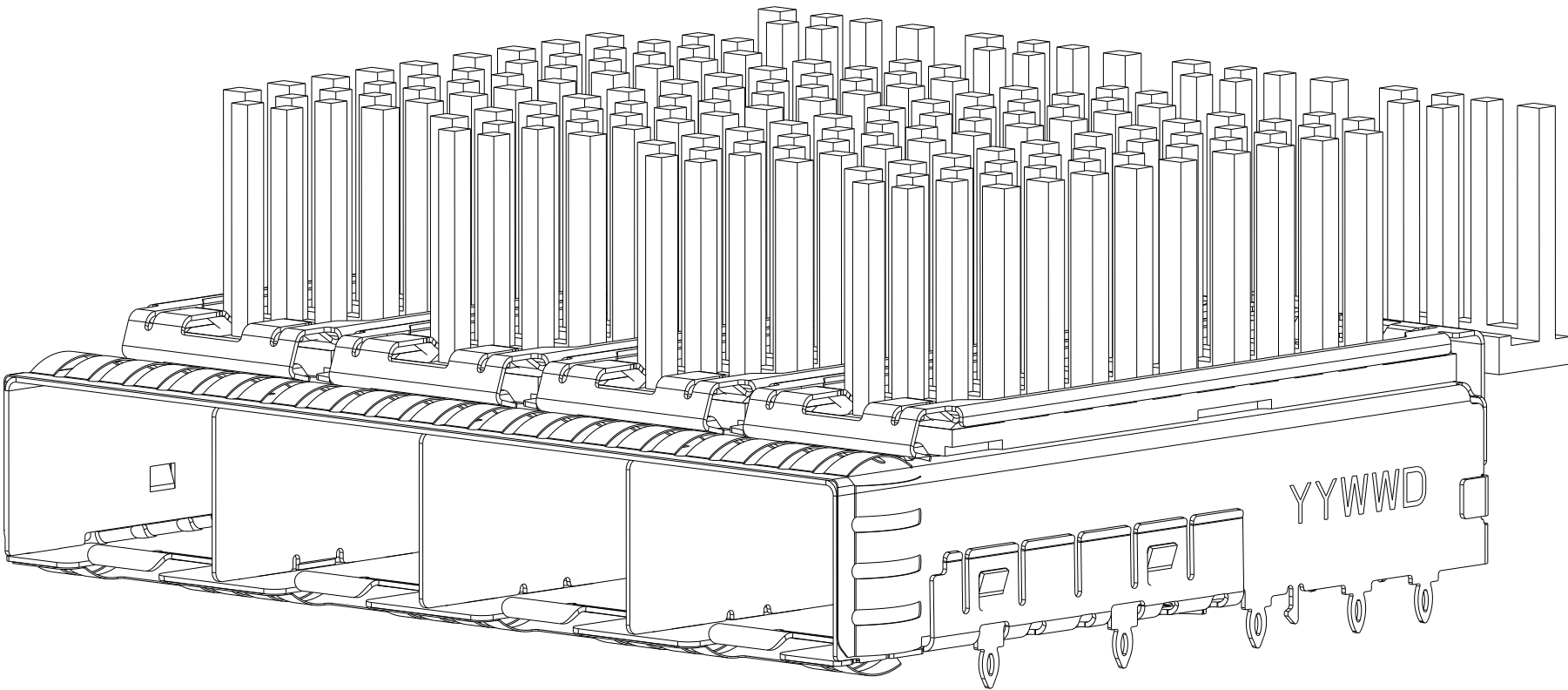
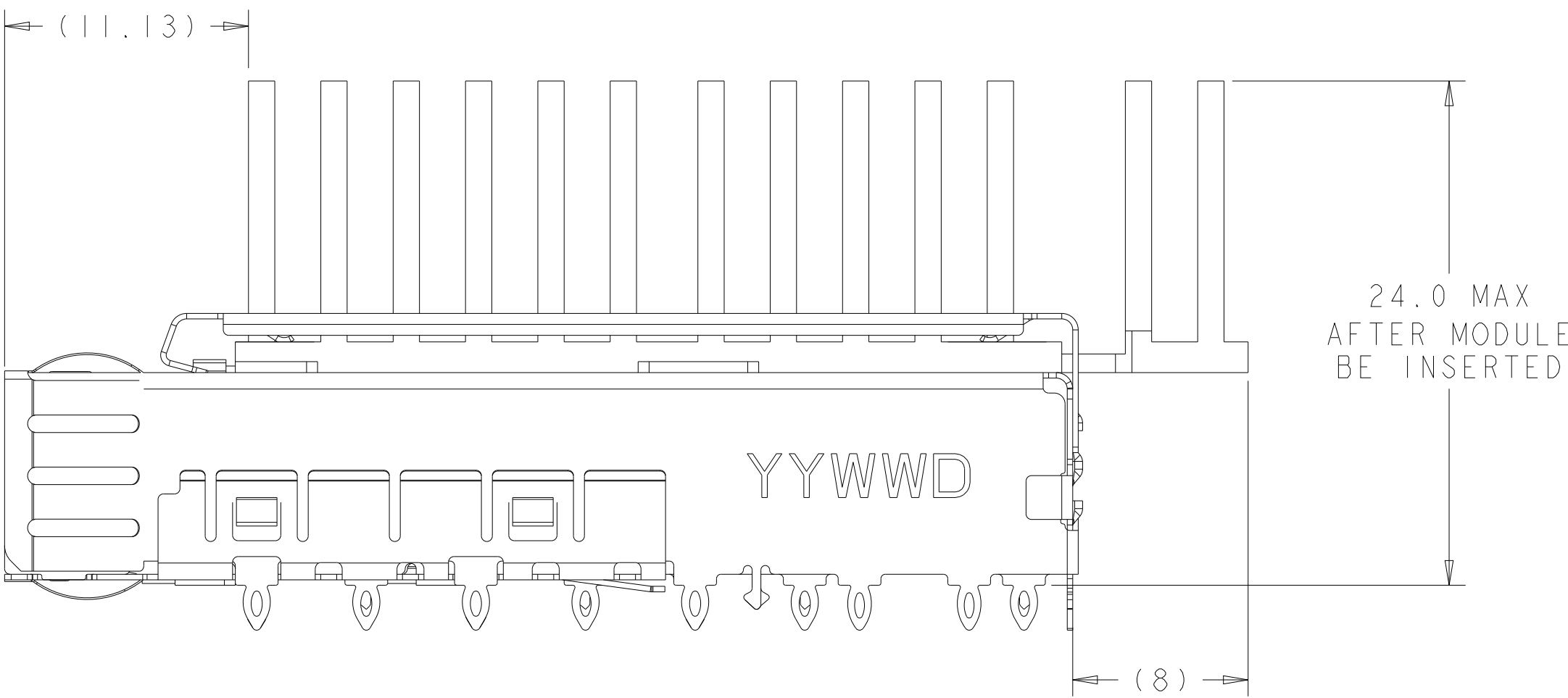
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-

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



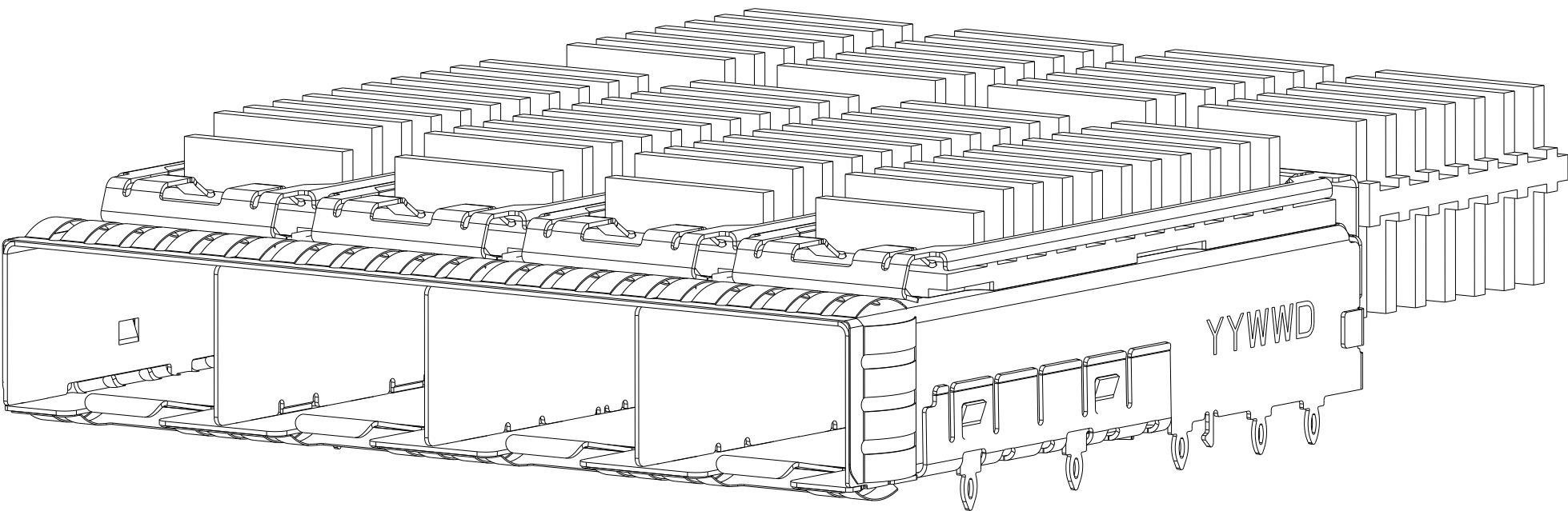
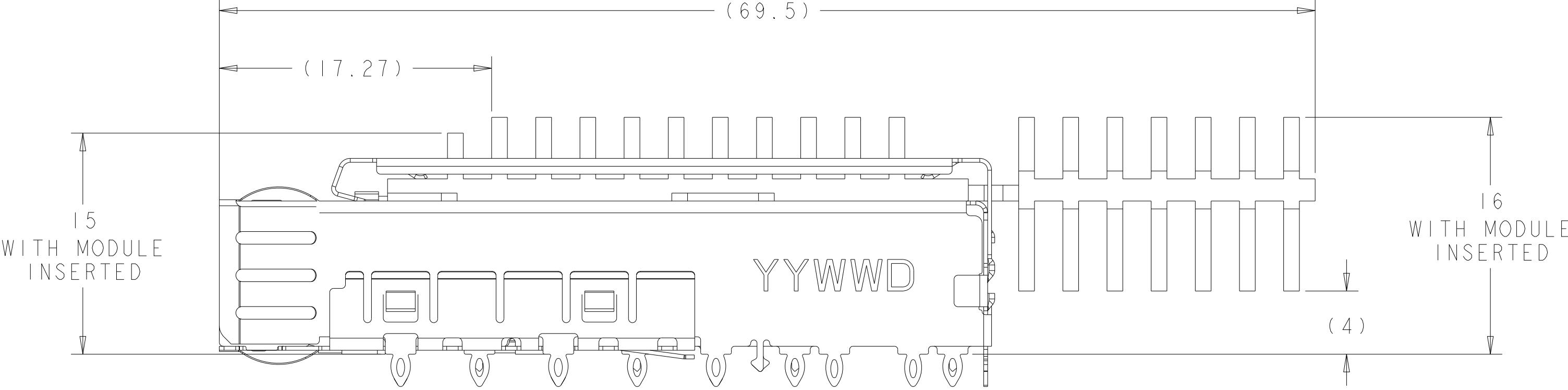
1-2149730-1 3D VIEW
SCALE 3:1

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




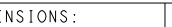
1-2149730-2 3D VIEW
SCALE 3:1

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



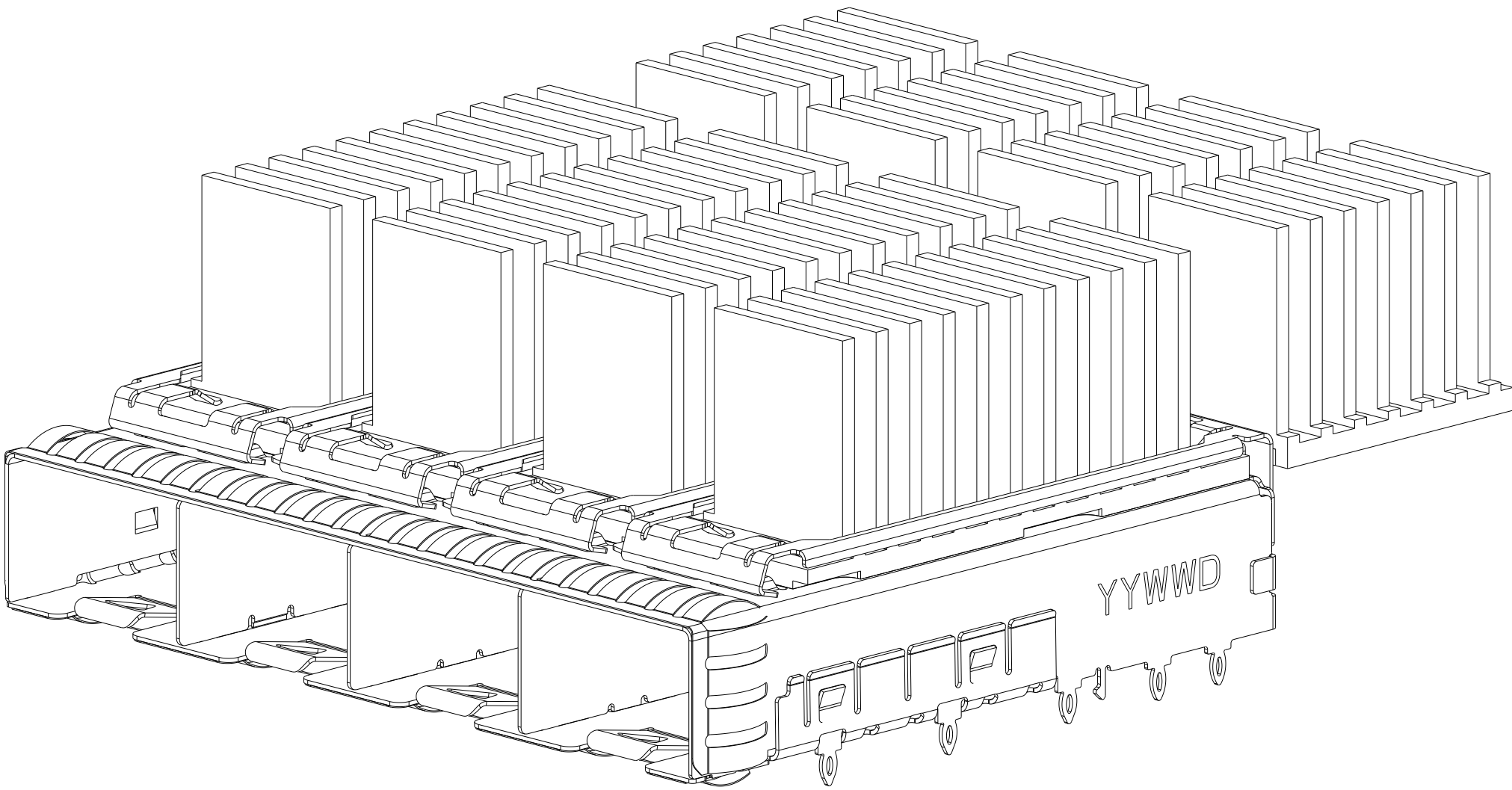
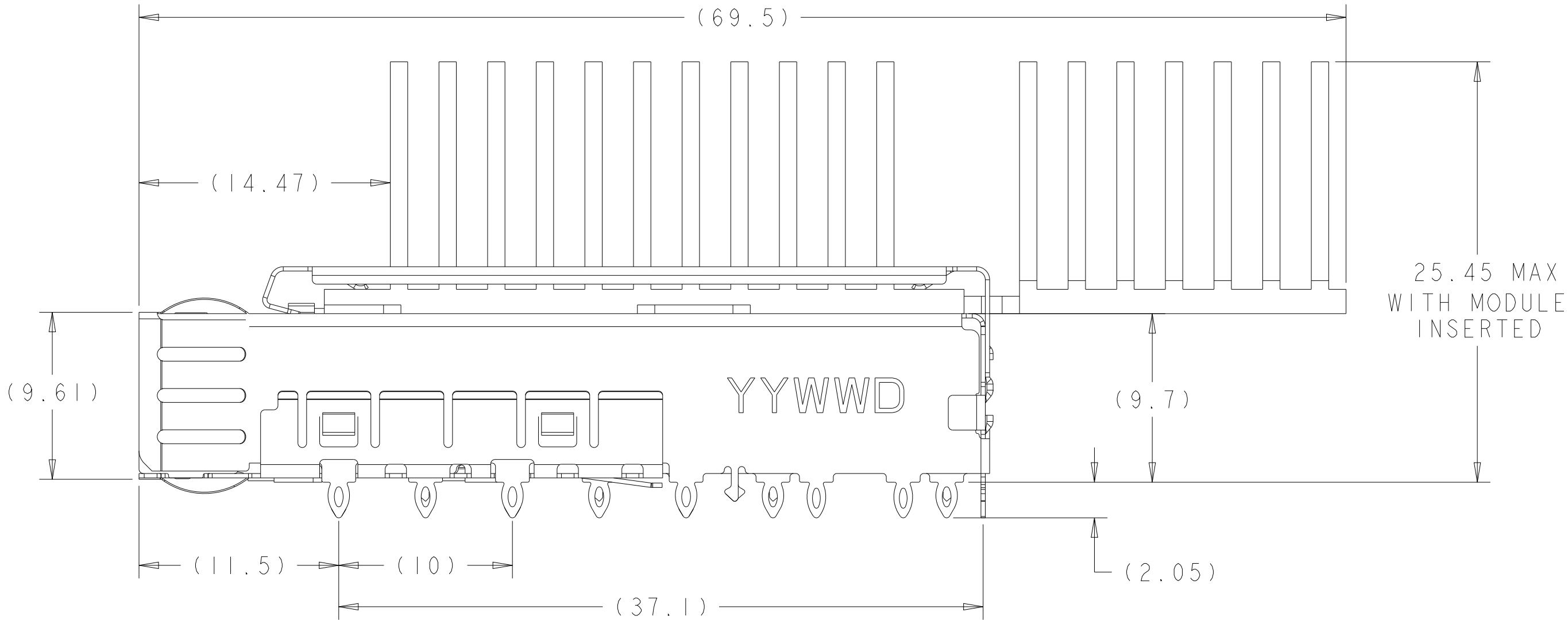
1-2149730-3 3D VIEW
SCALE 3:1

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:	APVD B. WERTZ 23AUG2010	NAME	
			PRODUCT SPEC	SFP+ ENHANCED 1X4 CAGE ASSEMBLY	
	0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°0'	FINISH	108-2364	PRESS FIT, EXTERNAL EMI SPRINGS	
			APPLICATION SPEC	WITH HEATSINK	
MATERIAL			114-13120	SIZE	
			WEIGHT	CAGE CODE DRAWING NO	
		Customer Drawing		RESTRICTED TO	
		A100779C=2149730		-	
		SCALE 2:1 SHEET 3 OF 9 REV A7			

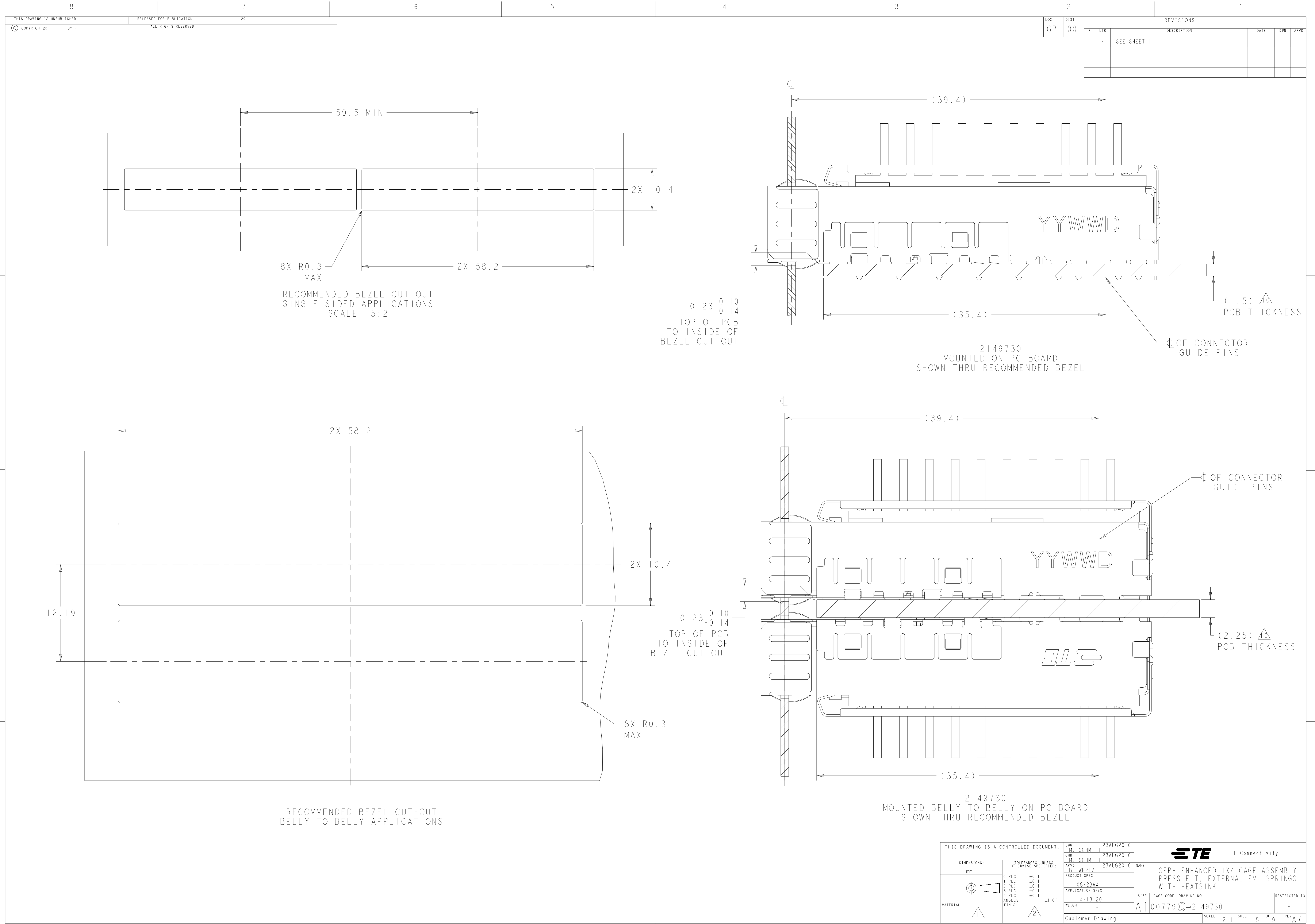
LOC		DIST		REVISIONS					
GP	00	P	LTR	DESCRIPTION			DATE	DWN	APVD
		-		SEE SHEET 1			-	-	-

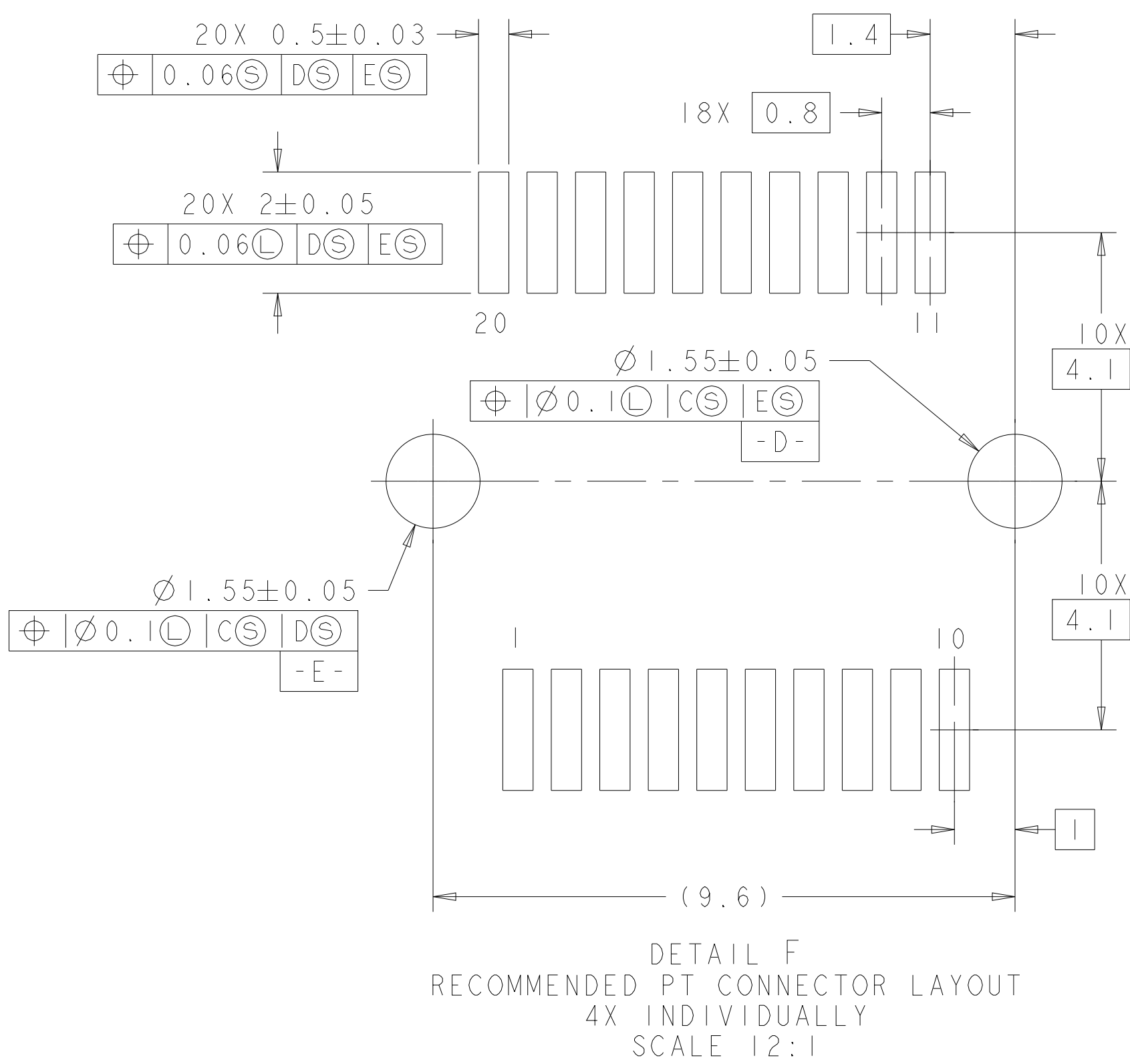
1-2149730-4 AS SHOWN
UNMARKED SAME AS 2149730-1



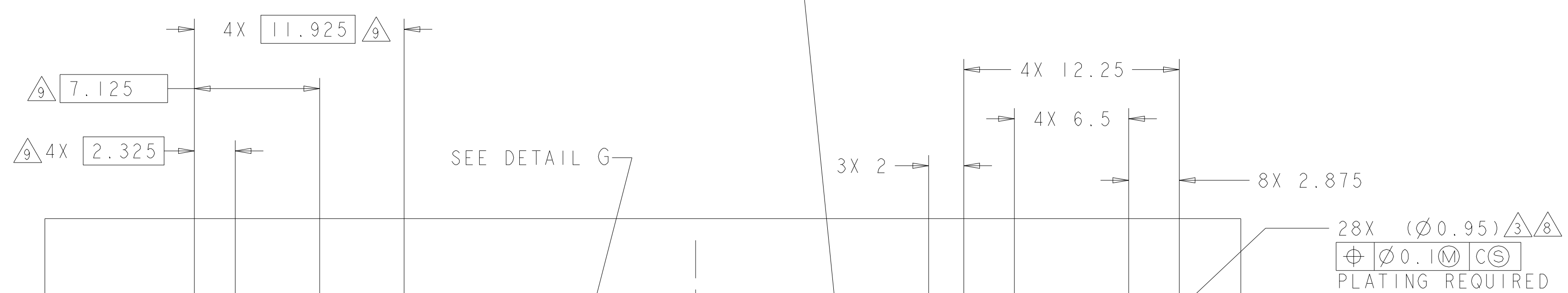
1-2149730-4 AS SHOWN
UNMARKED SAME AS 2149730-1

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				108-2364									
				APPLICATION SPEC									
				114-13120									
MATERIAL				WEIGHT									
				-									
				Customer Drawing									
				SCALE									
				2:1									
				SHEET									
				4									
				OF									
				9									
				REV									
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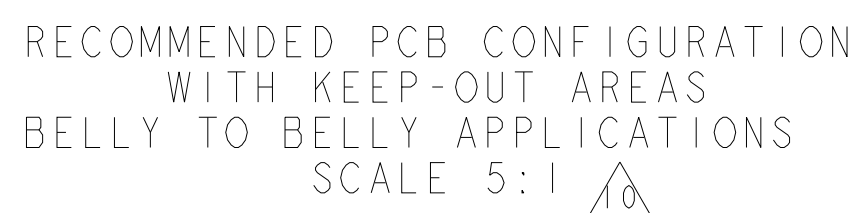
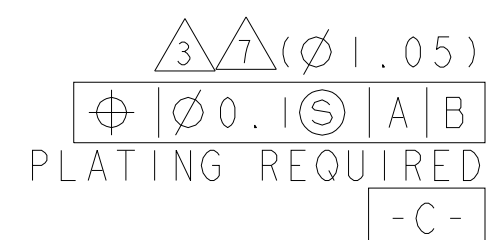




-CROSS-HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)







SFF DETAIL G—



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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SCHMITT 23AUG2010 CHK M. SCHMITT 23AUG2010 APP'D B. WERTZ 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 $\pm 1.0^\circ$ FINISH		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120		SIZE A1	
MATERIAL  		WEIGHT -		DRAWING NO 100779	
Customer Drawing		SCALE 2:1		SHEET 7 of 9	
				REV A	

