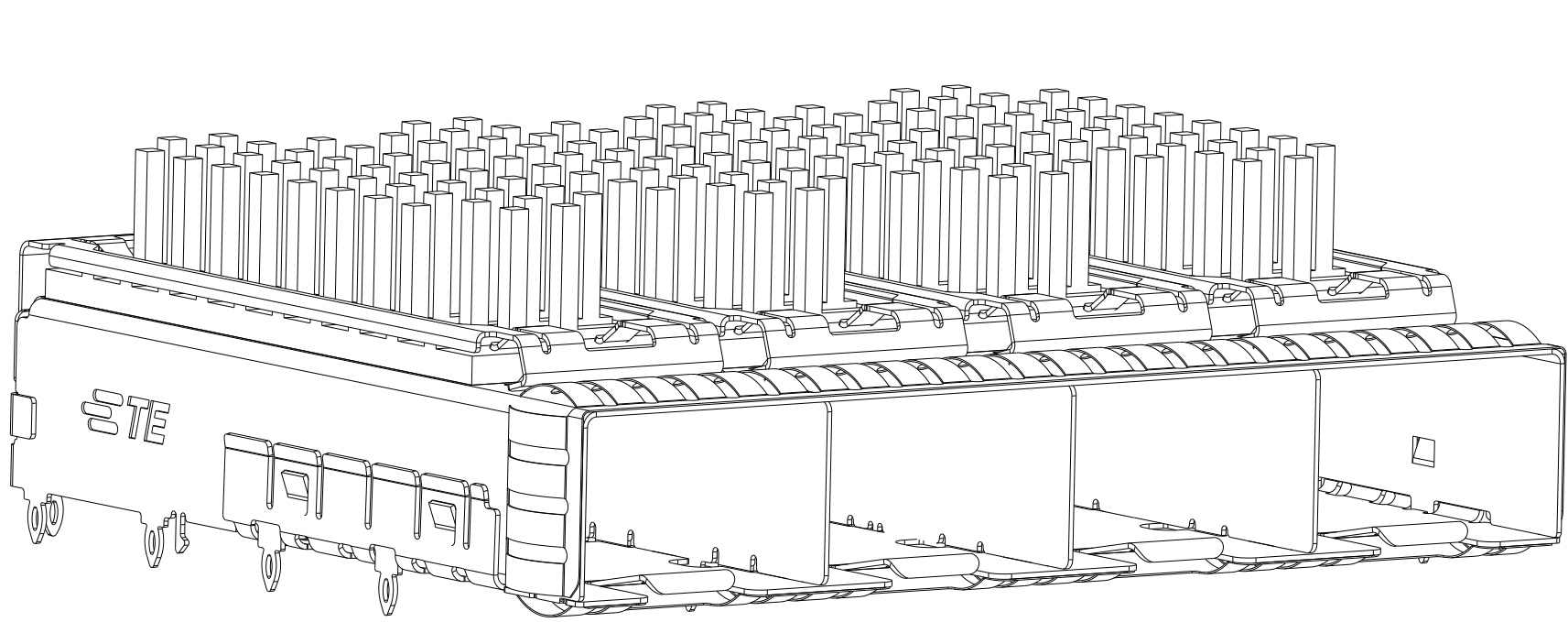
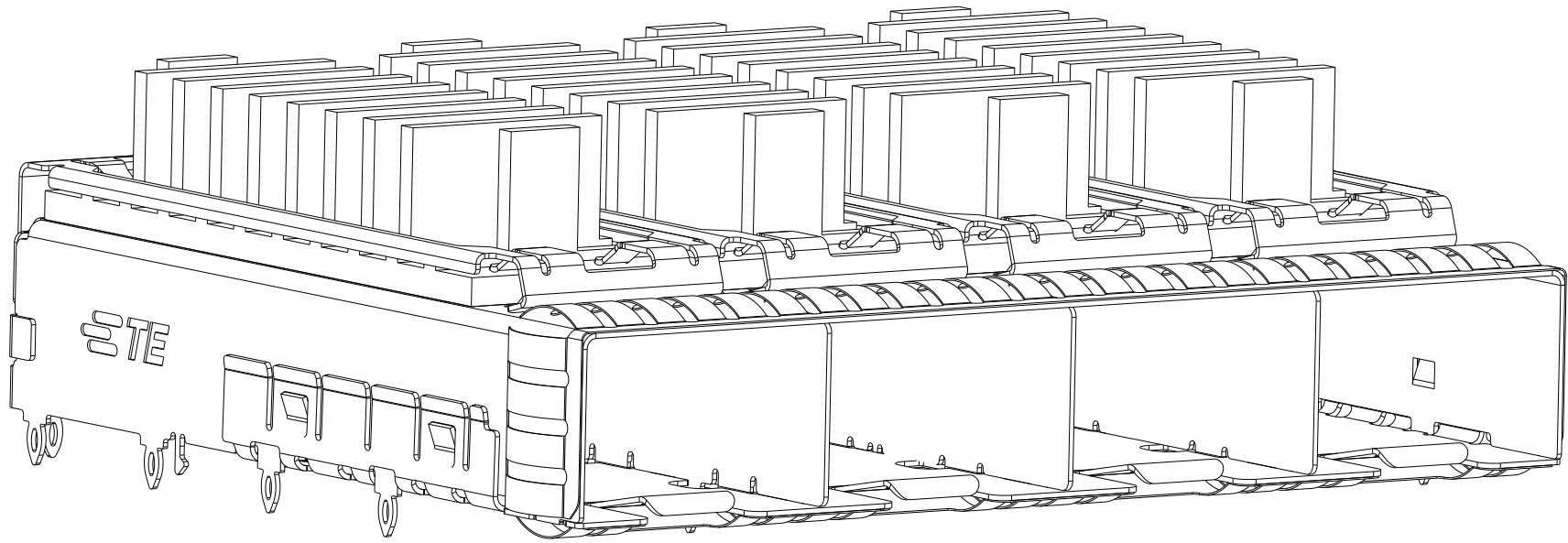


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	OWN	APVD	
GP	00		A4	REVISED PER ECR-19-006709	10APR2019	IT	SH	
			A5	REVISED PER ECO-20-000404	09JAN2020	IT	SH	
			A6	REVISED PER ECR-20-015251	28OCT2020	IT	SH	
			A7	ADD NEW DASH NUMBER 1-2149730-4	02NOV2021	SZ	SZ	



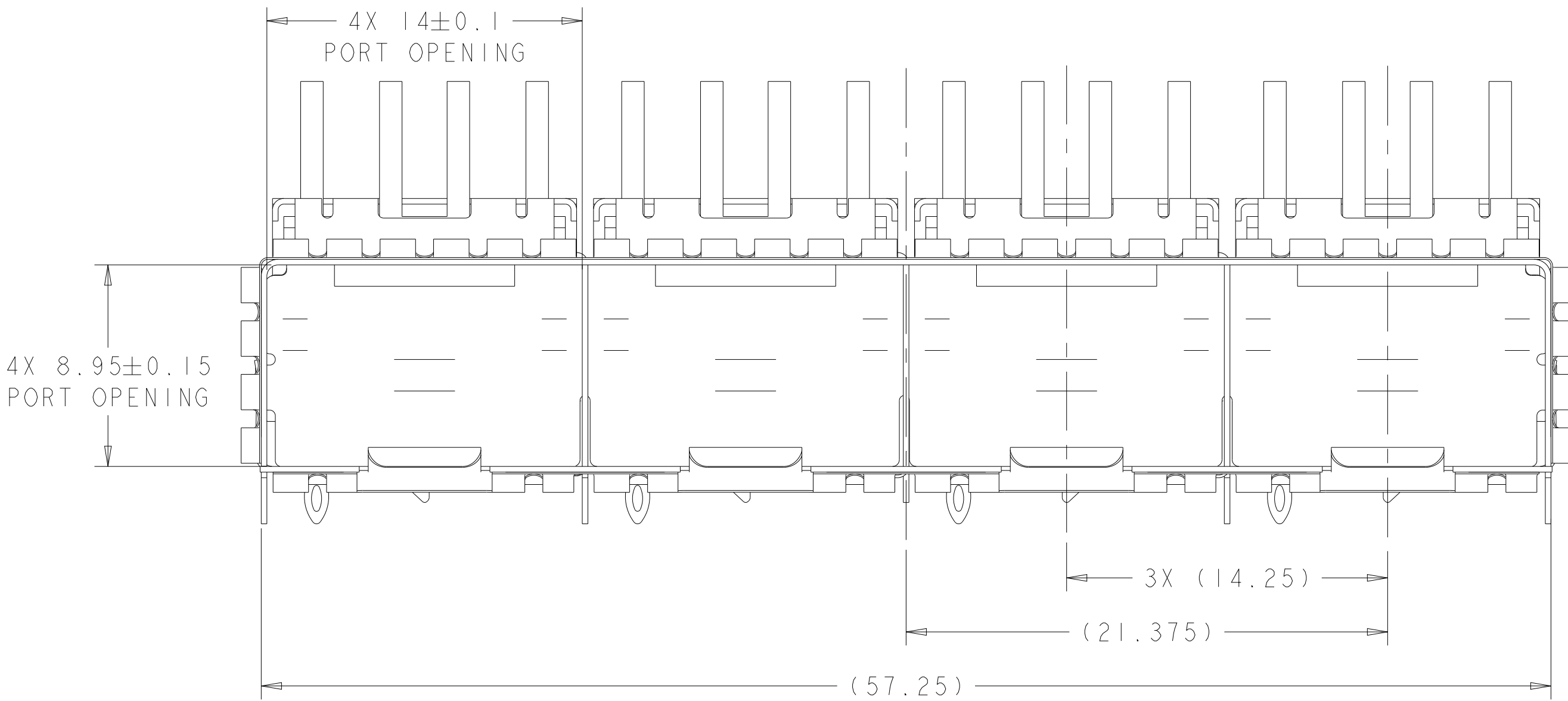
2149730-1,2,3,4,5
FINISHED ASSEMBLY WITH
PIN TYPE HEAT SINK



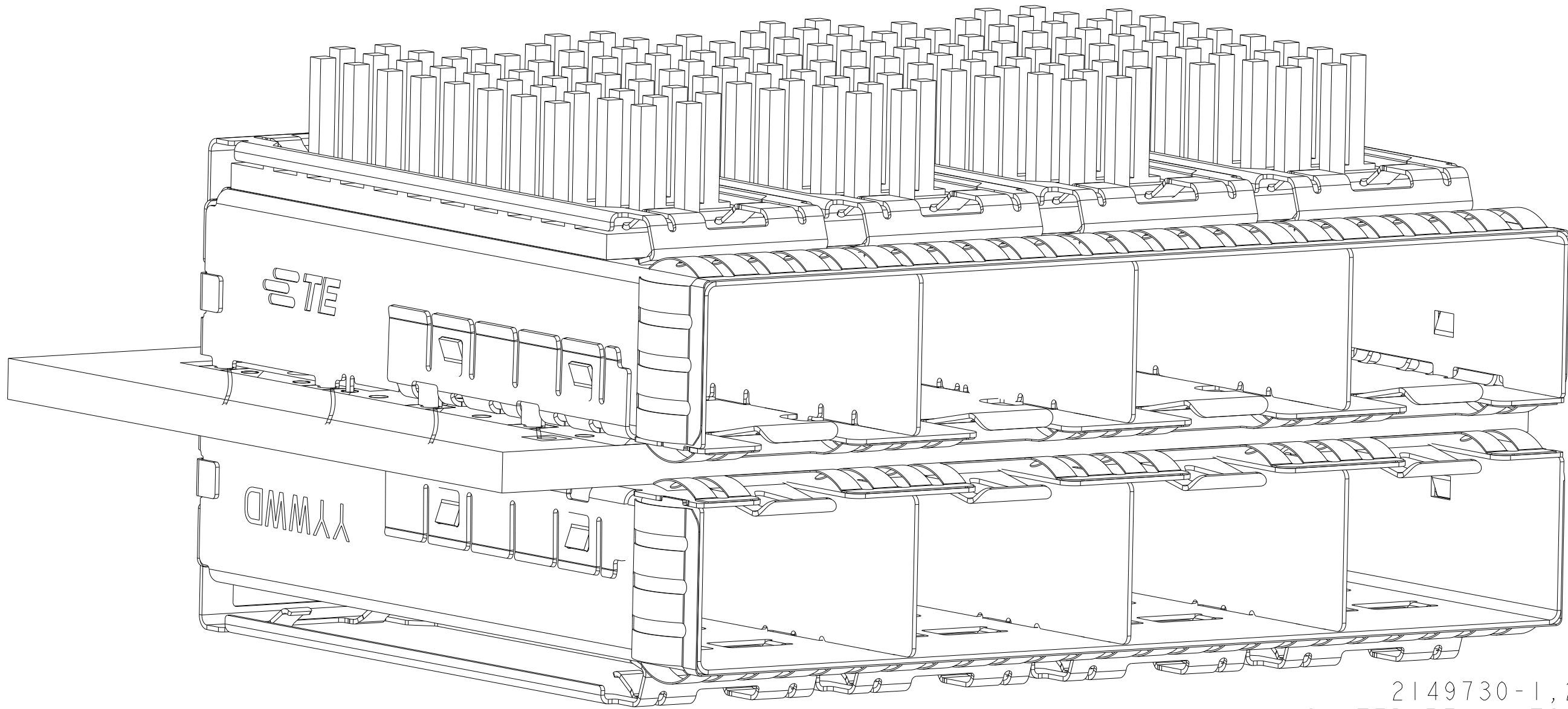
2149730-6,7,8,9,10
FINISHED ASSEMBLY WITH
FIN TYPE HEAT SINK

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.

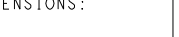
13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE



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

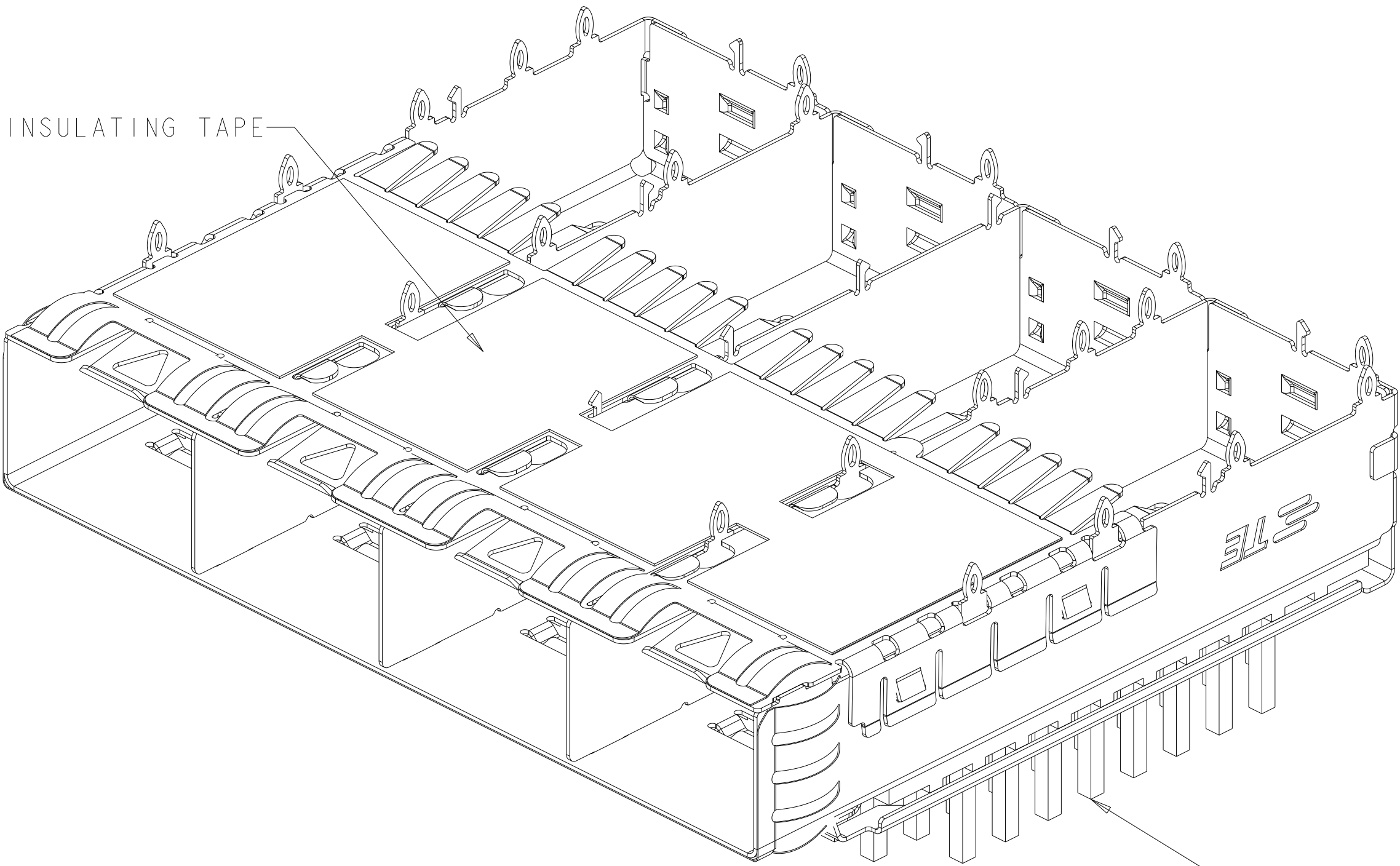


2149730-1,2,3,4,5
MOUNTED BELLY TO BELLY ON PCB
SCALE 4:1

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

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

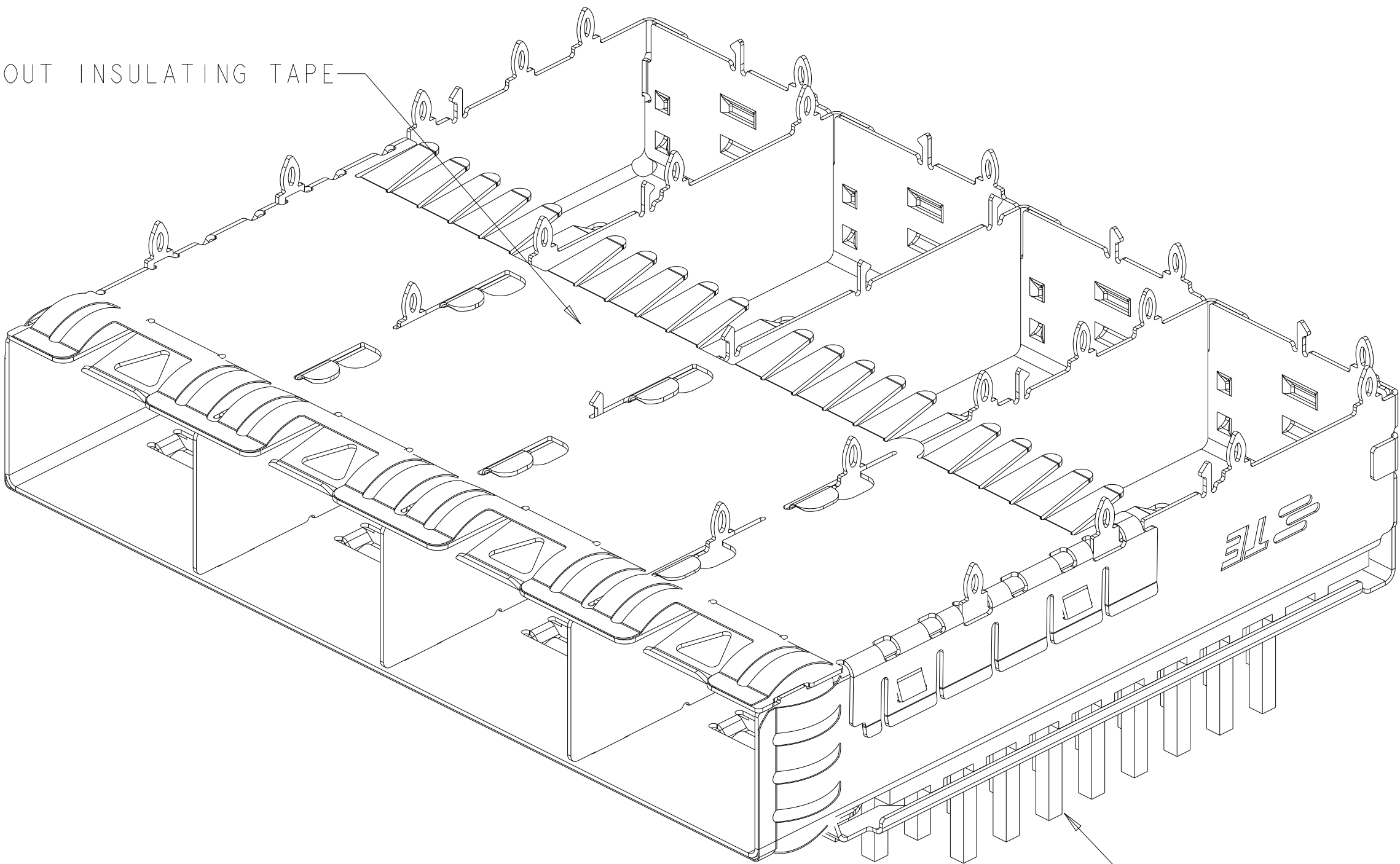
WITH INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

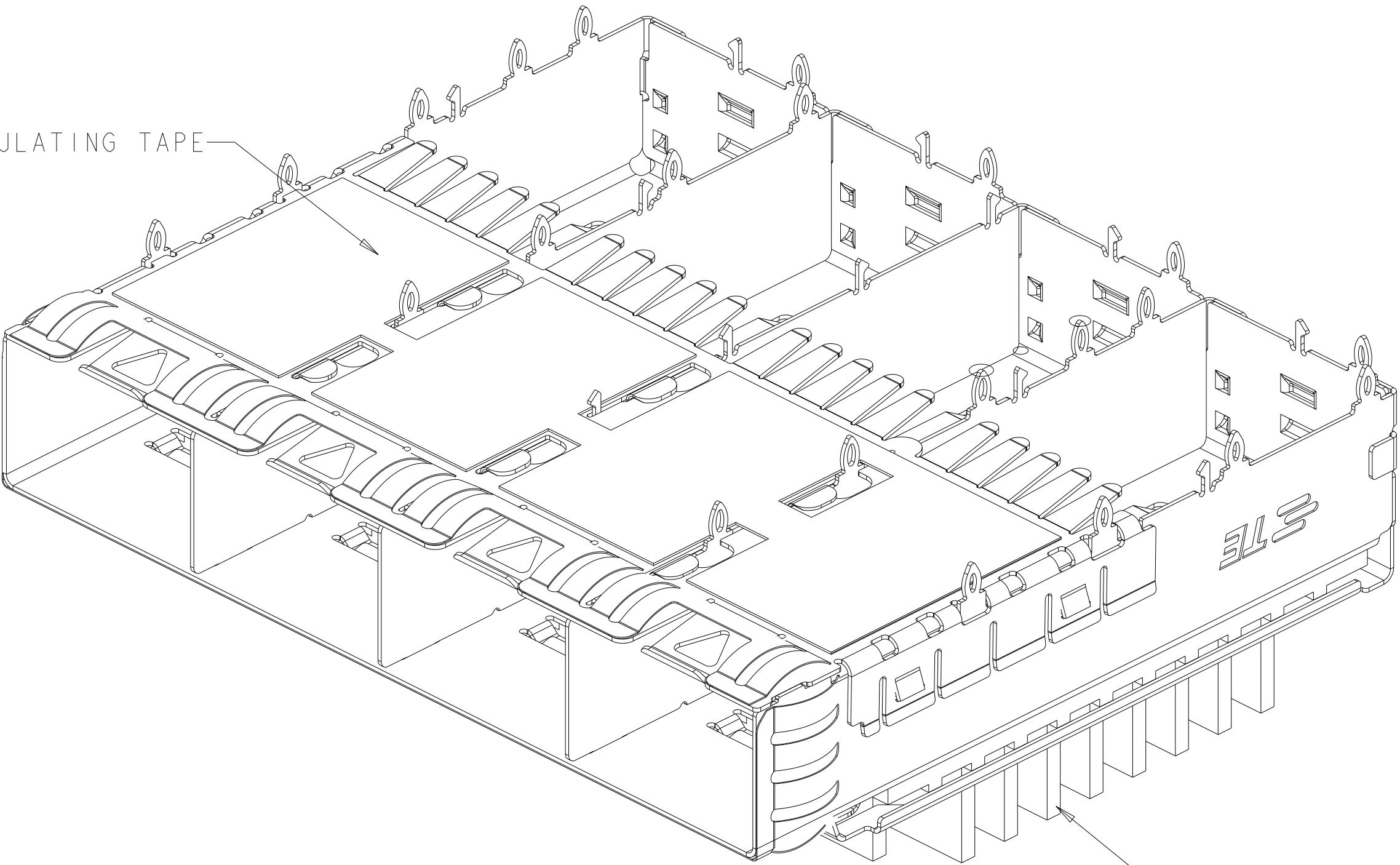
WITHOUT INSULATING TAPE



WITH PIN TYPE HEAT SINK

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

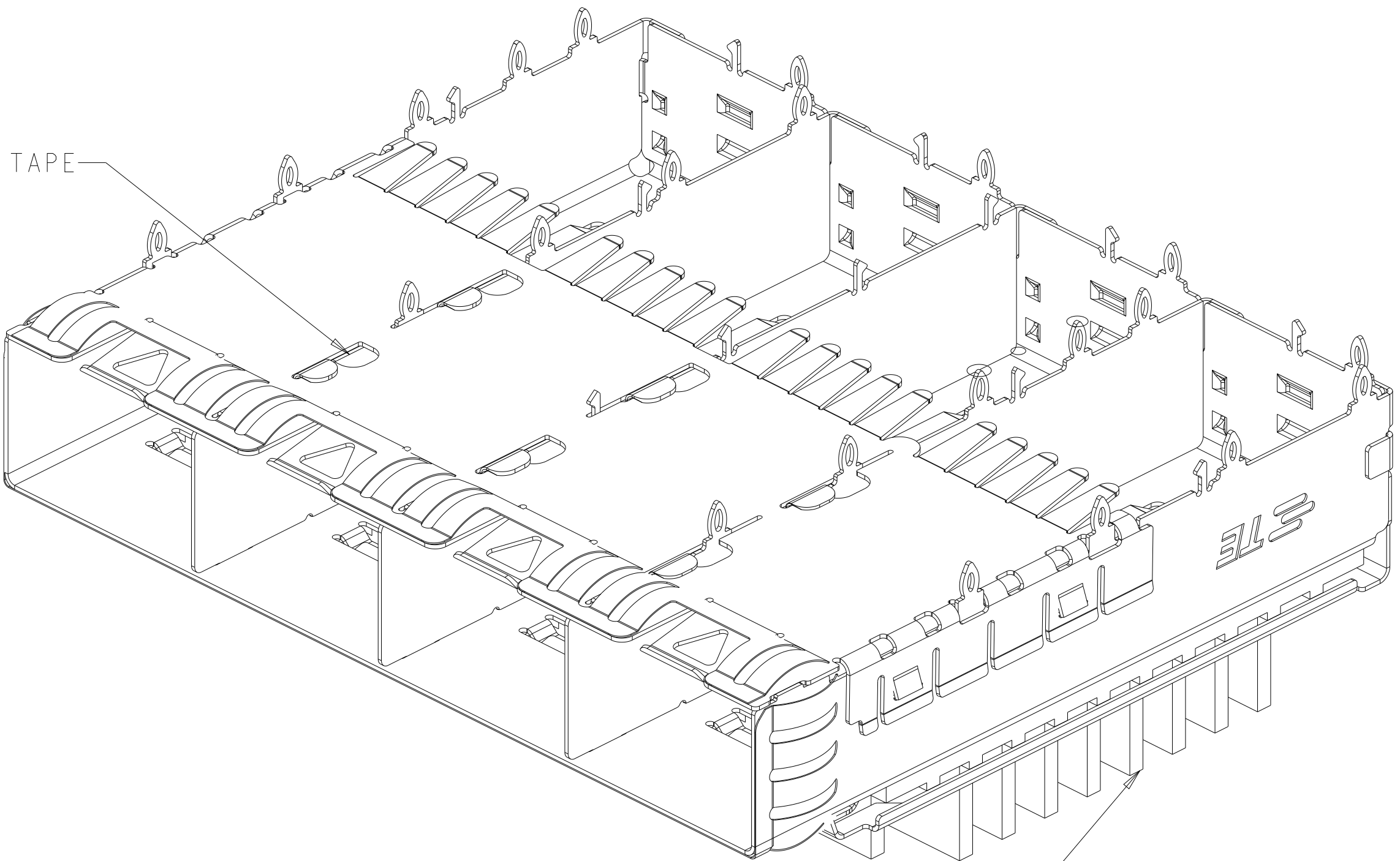
WITH INSULATING TAPE



WITH FIN TYPE HEAT SINK

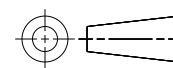
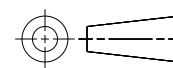
2149730-10 AS SHOWN WITH INSULATING TAPE,WITH FIN TYPE HEAT SINK

WITHOUT INSULATING TAPE



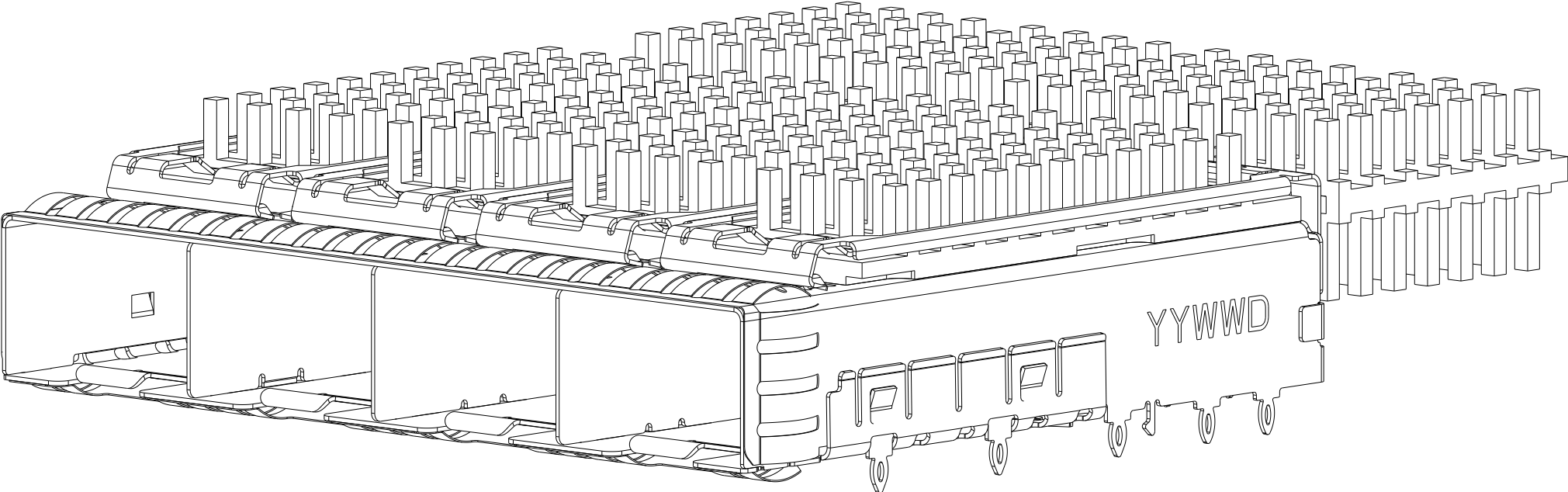
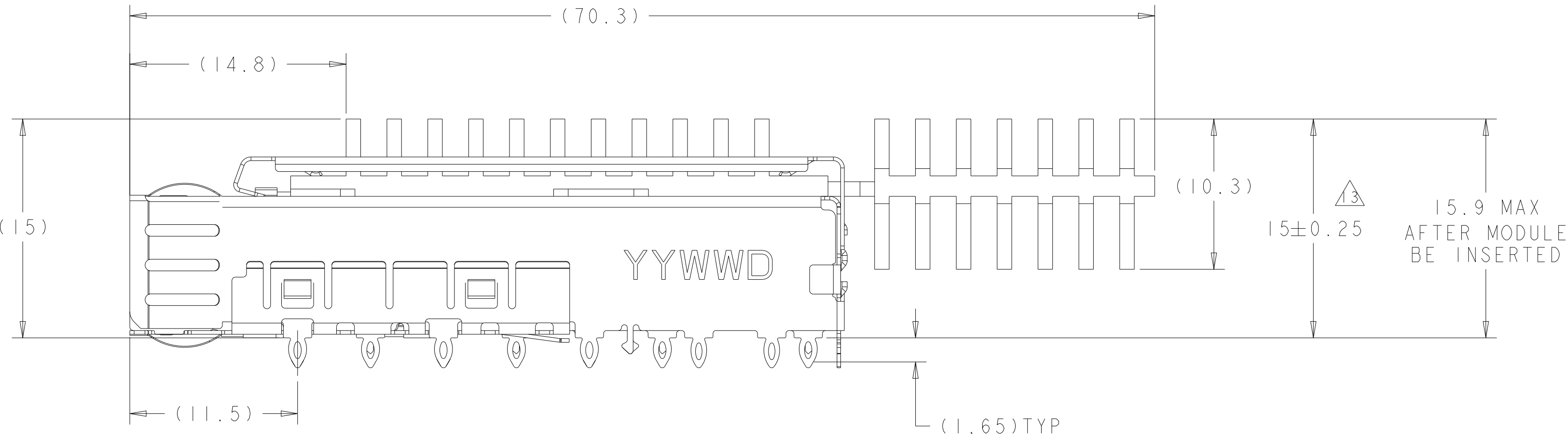
WITH FIN TYPE HEAT SINK

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
		1 PLC	±0.1	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
		2 PLC	±0.1	108-2364		
		3 PLC	±0.1	APPLICATION SPEC		
		4 PLC	±0.1	114-13120		
MATERIAL		FINISH	±1°0'	WEIGHT	A100779C=2149730	
		Customer Drawing		SCALE 2:1	SHEET 2 OF 9	
				REV A7		

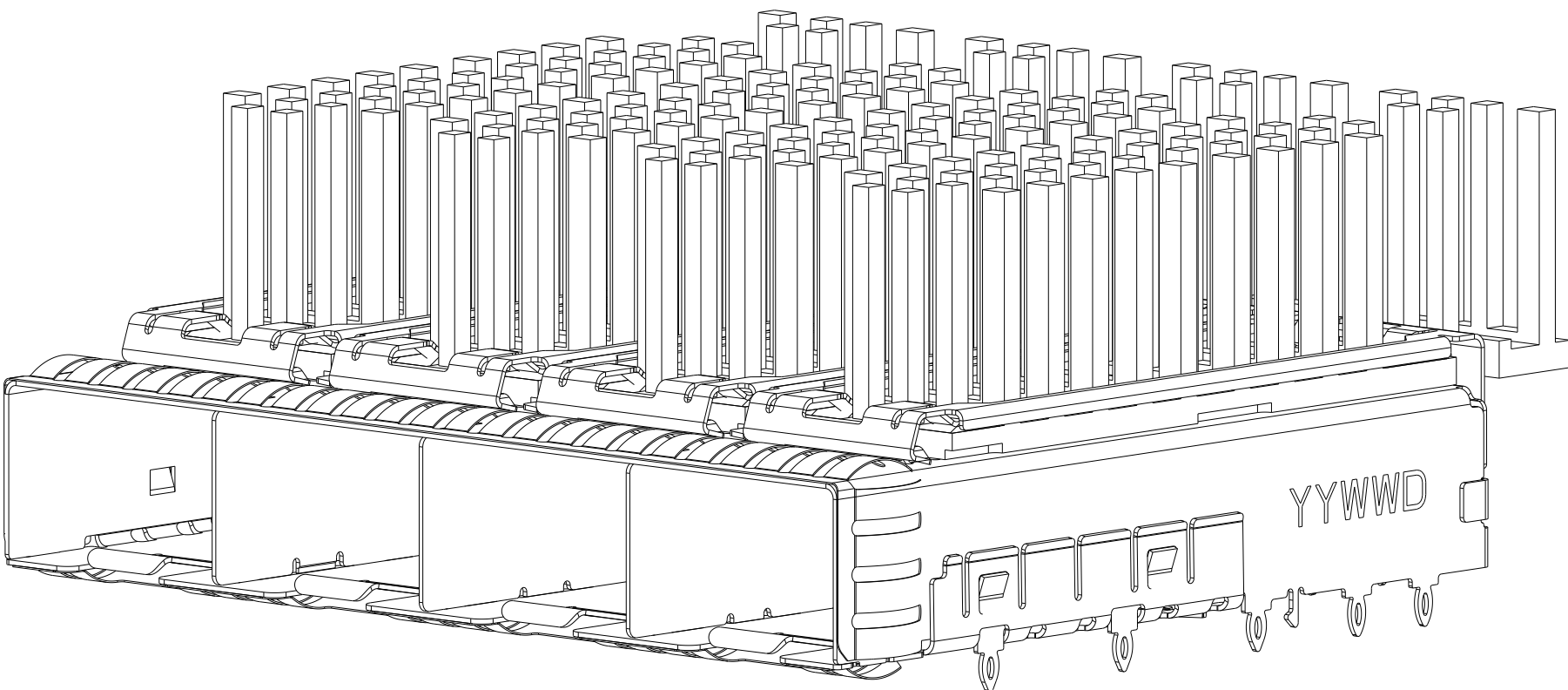
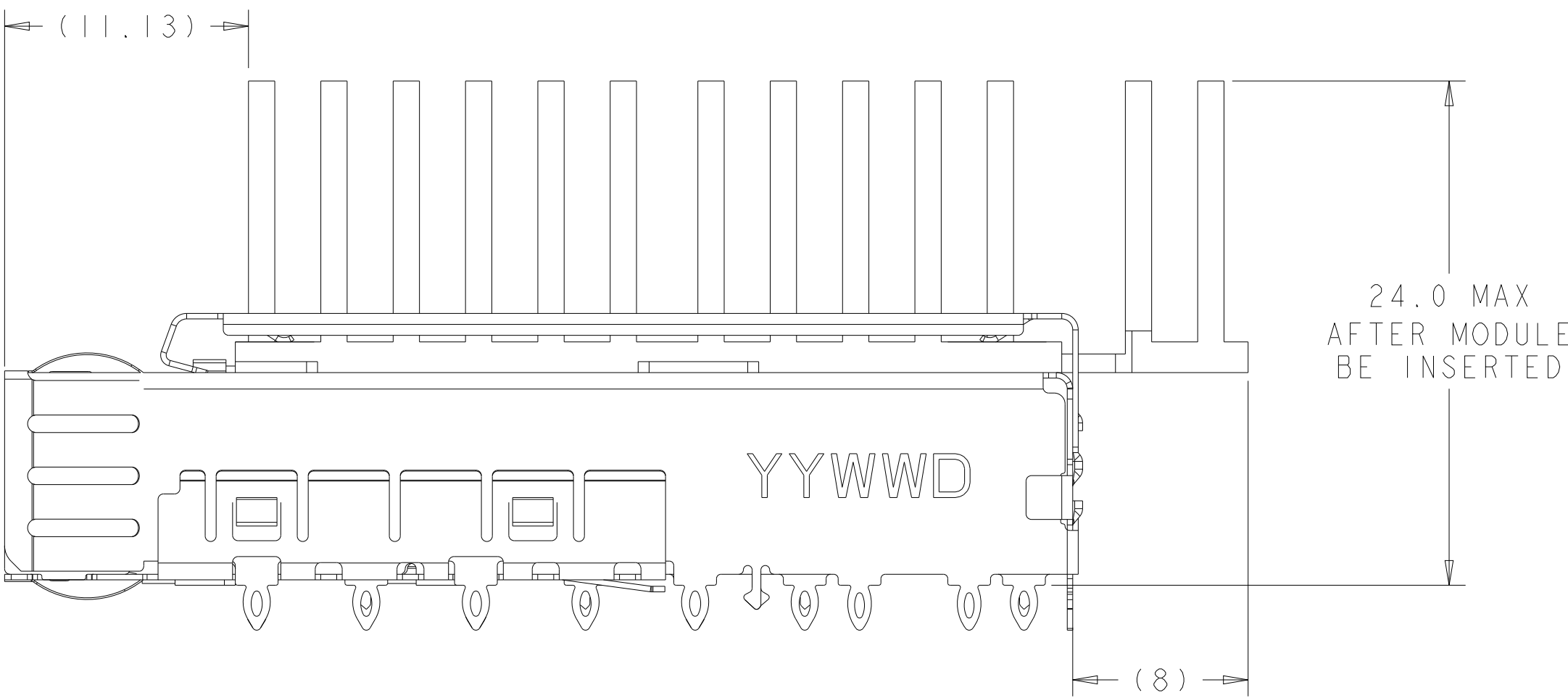
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-

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



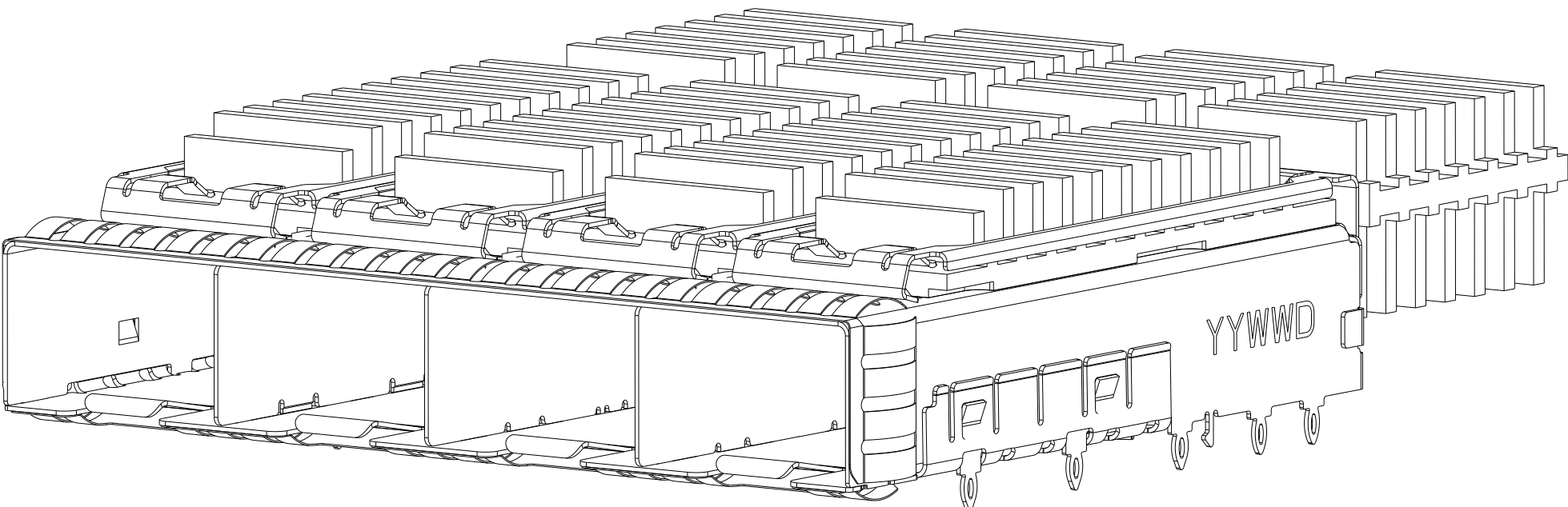
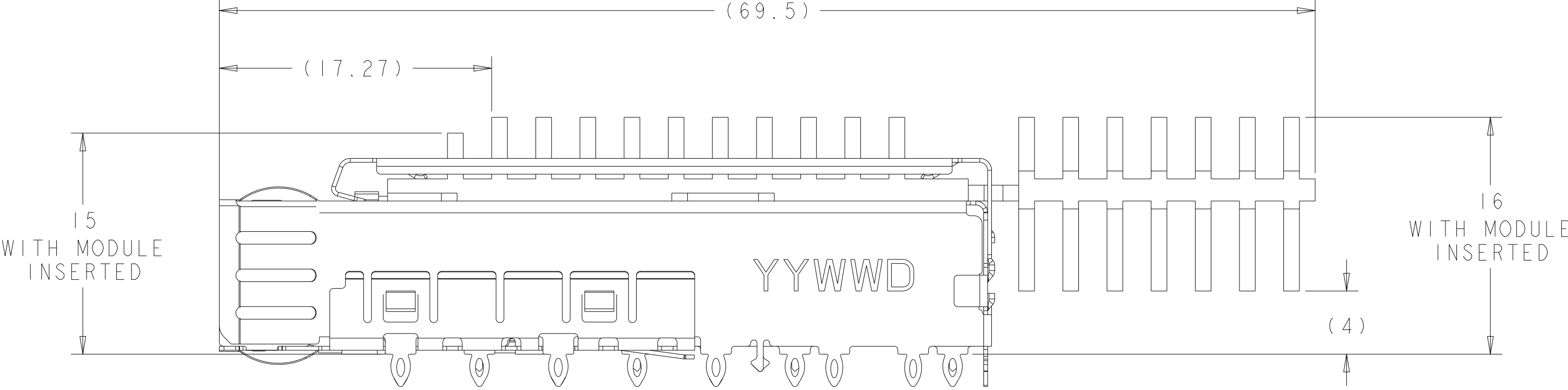
1-2149730-1 3D VIEW
SCALE 3:1

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



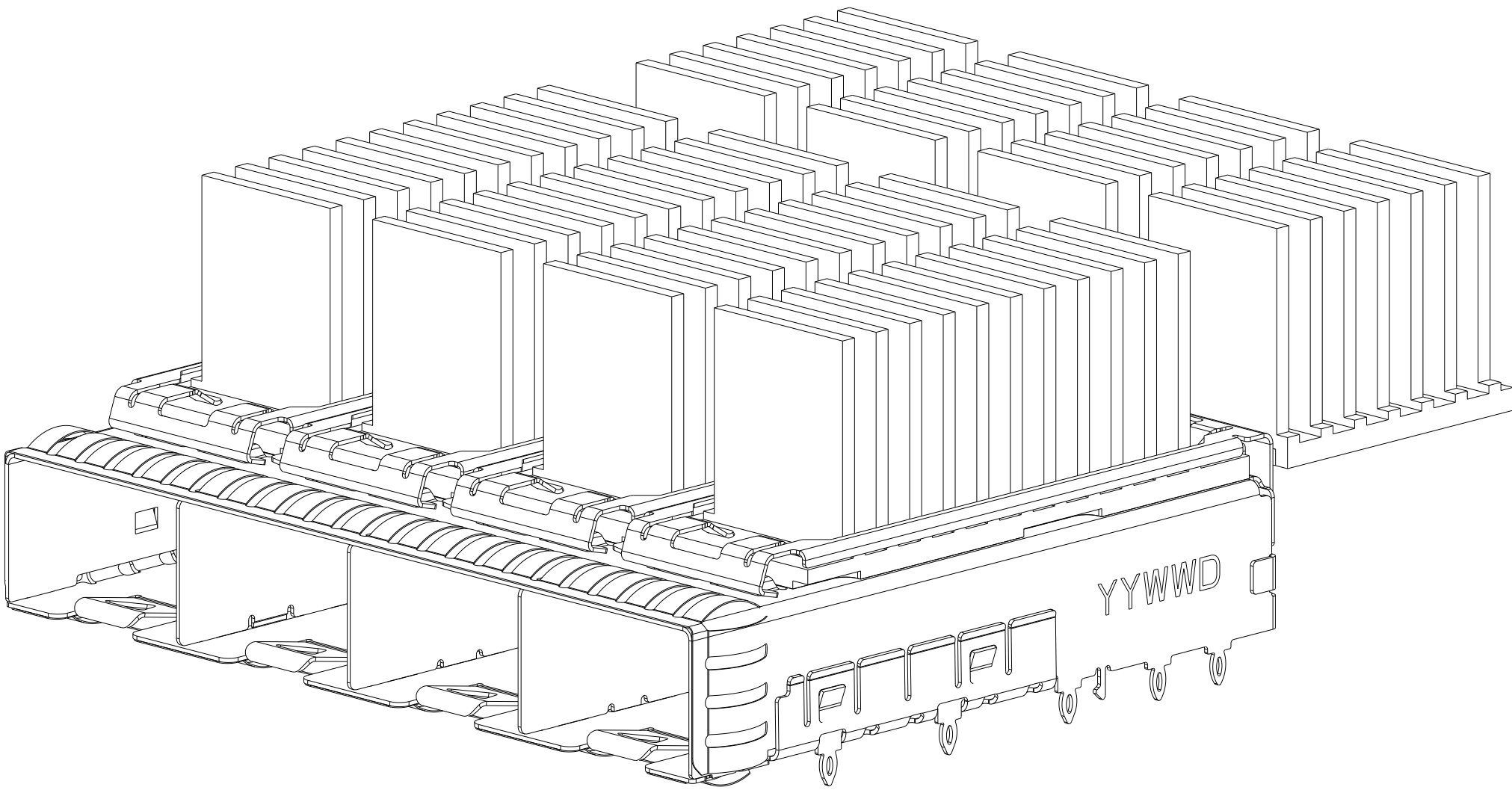
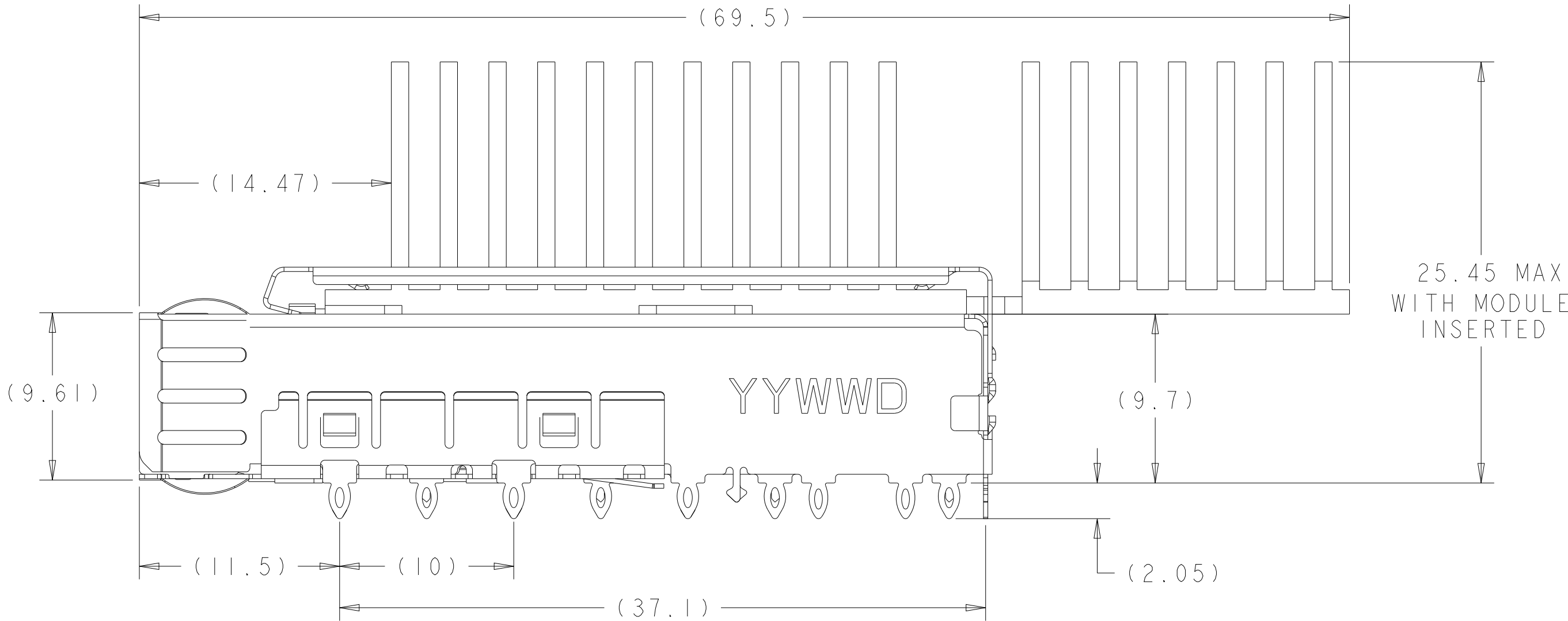
1-2149730-3 3D VIEW
SCALE 3:1

SCALE 4:1

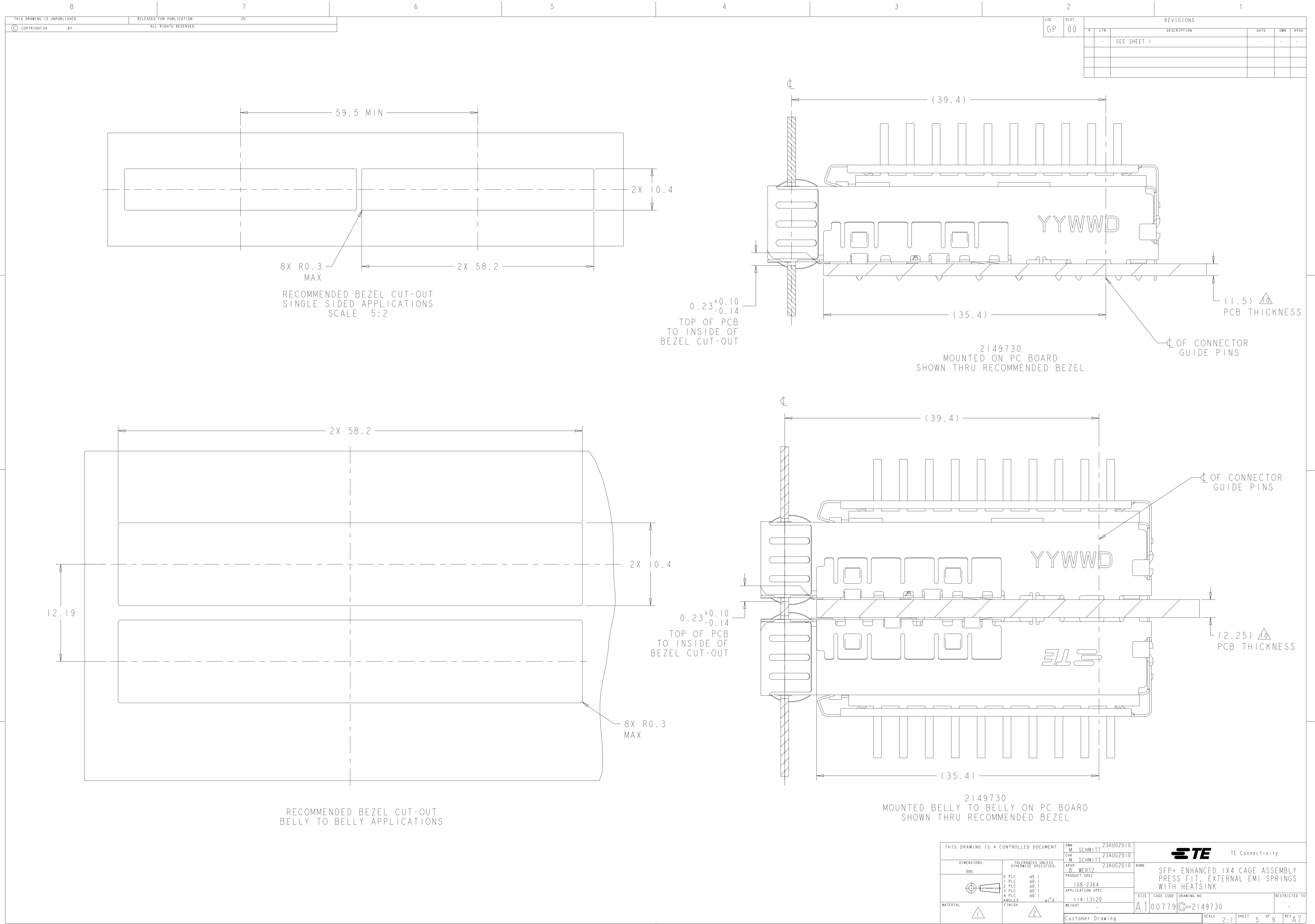
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. SCHMITT 23AUG2010	 TE Connectivity			
		CHK M. SCHMITT 23AUG2010				
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		
		0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1° FINISH				
MATERIAL		APVD B. WERTZ 23AUG2010		SFP+ ENHANCED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

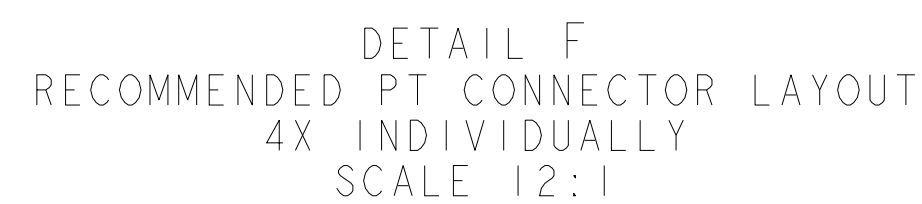
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

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



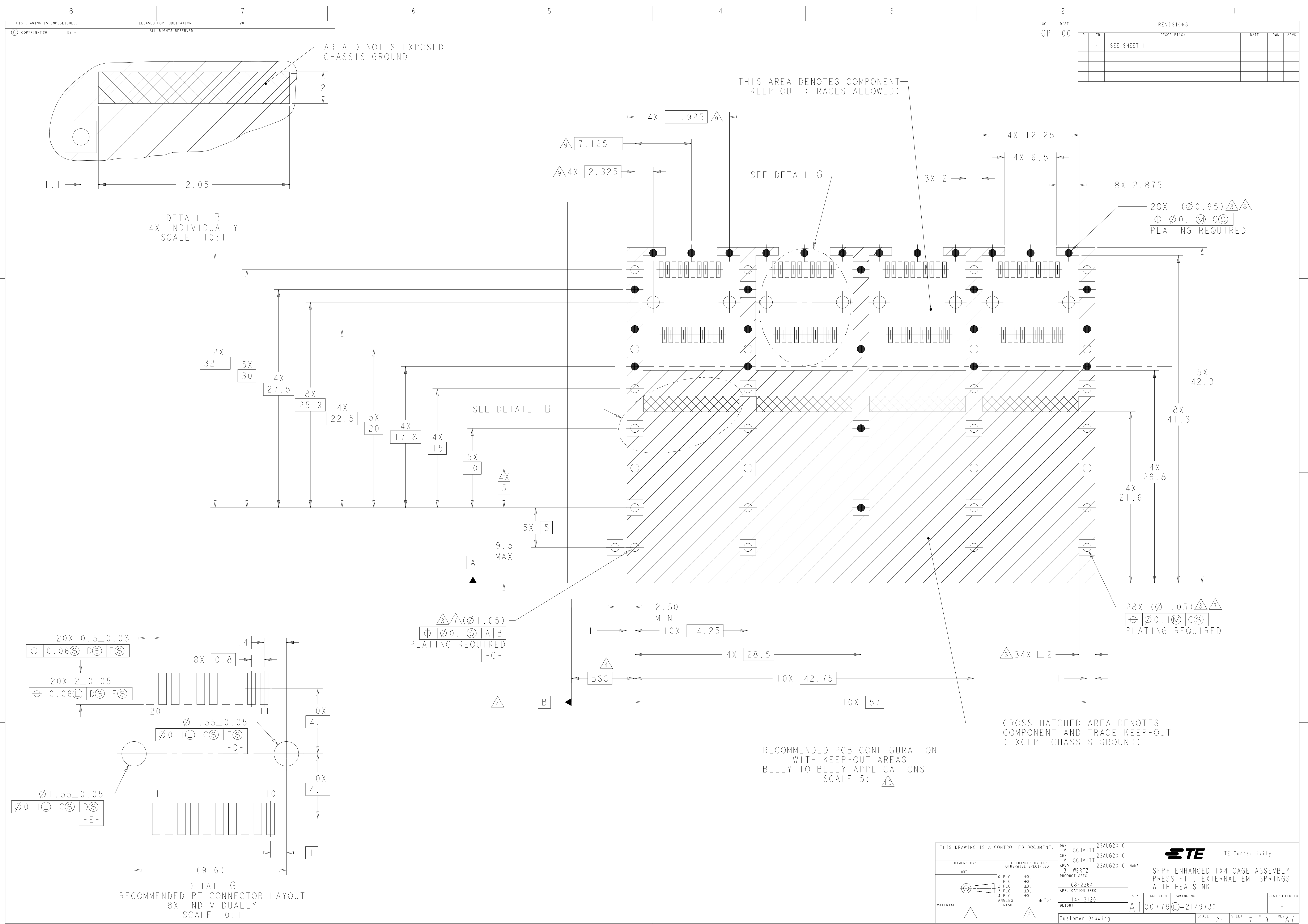
1-2149730-4 AS SHOWN
UNMARKED SAME AS 2149730-1

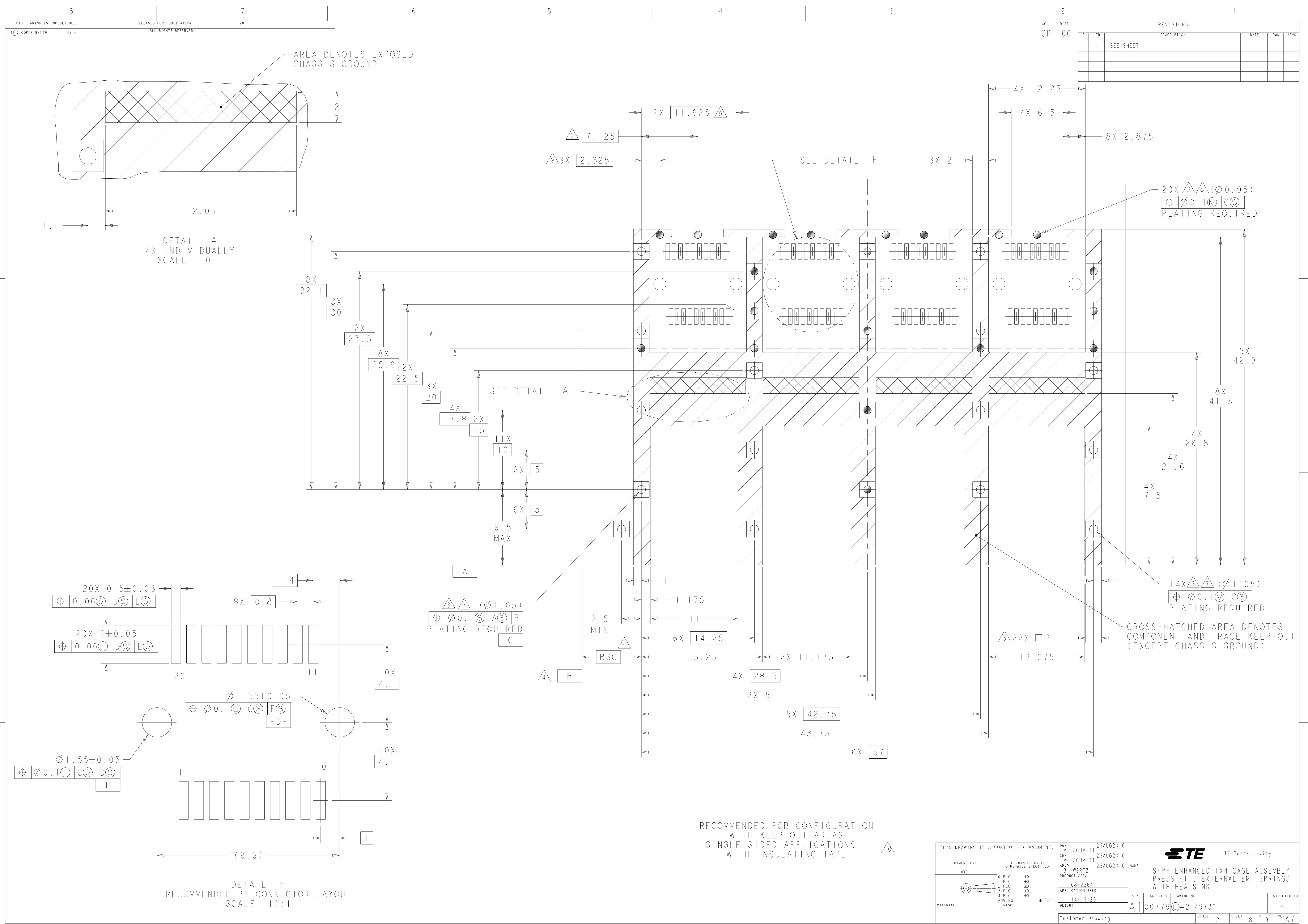




RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
SINGLE SIDED APPLICATIONS 
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M SCHMITT 23AUG2010 CHK 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 ±1°		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK	
		APVD B_WERTZ 23AUG2010 PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120		SIZE A1 CAGE CODE 00779 DRAWING NO C=2149730	
MATERIAL FINISH		WEIGHT -		RESTRICTED TO -	
 		Customer Drawing		SCALE 2:1 SHEET 6 of 9 REV A7	





LOC		DIST		REVISONS			
GP	00	P	LYR	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			
		PRODUCT SPEC						
	0 PLC ±0.1	108-2364		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
	1 PLC ±0.1	APPLICATION SPEC						
	2 PLC ±0.1	114-13120		A1	00779	C=2149730	-	
	3 PLC ±0.1	WEIGHT						
	4 PLC ±0.1	-						
MATERIAL	ANGLES ±1° 0'	Customer Drawing		SCALE 2:1		SHEET 8	OF 9	REV A7
	FINISH							

