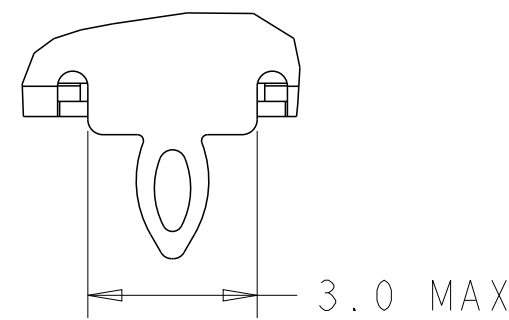
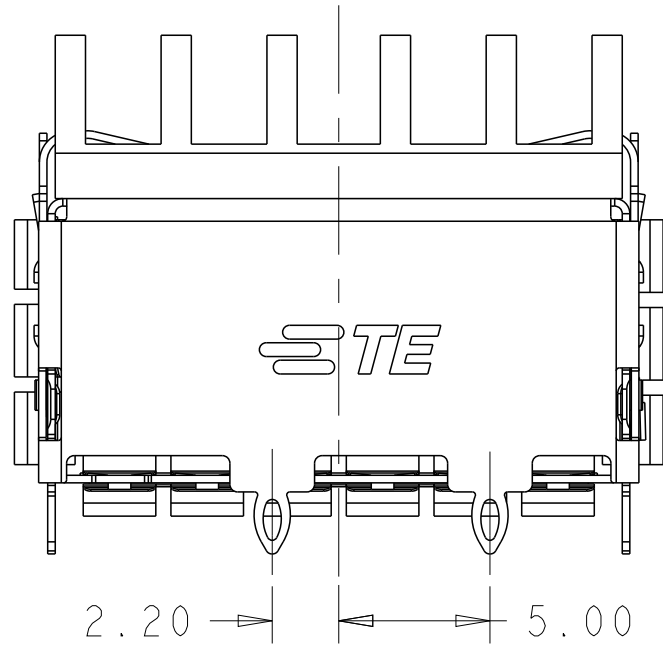
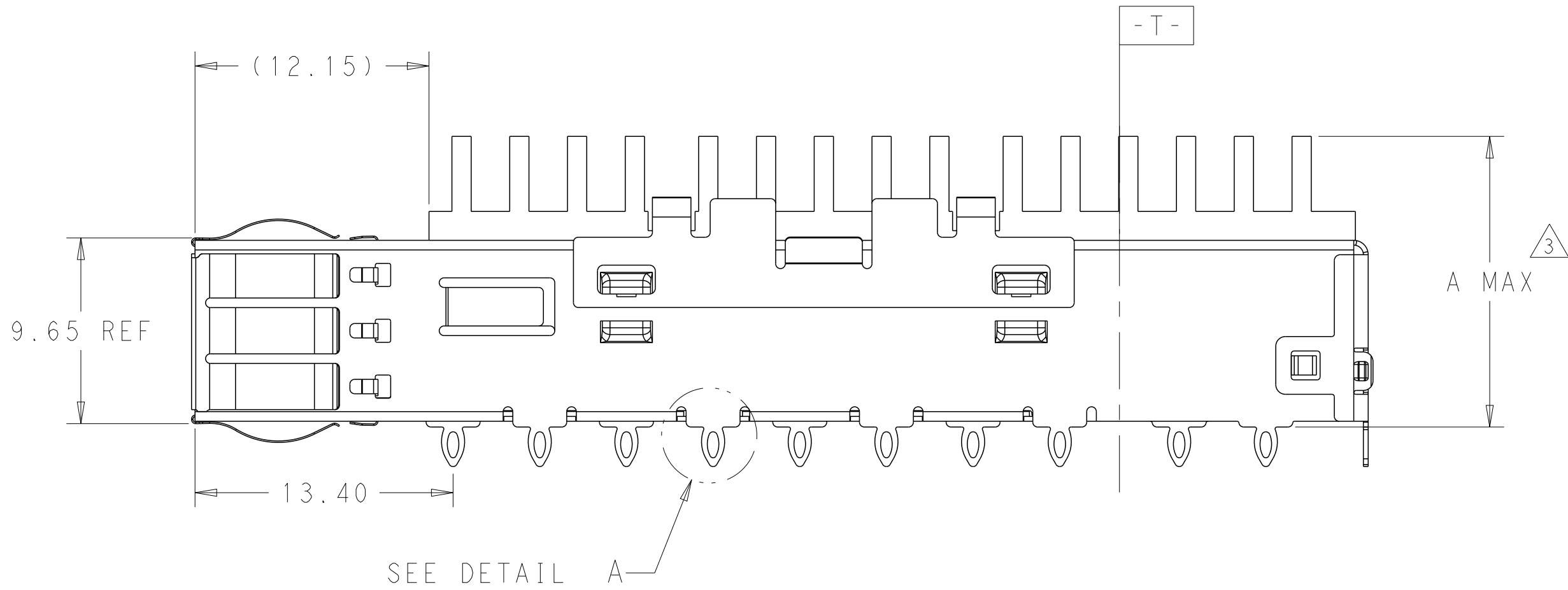
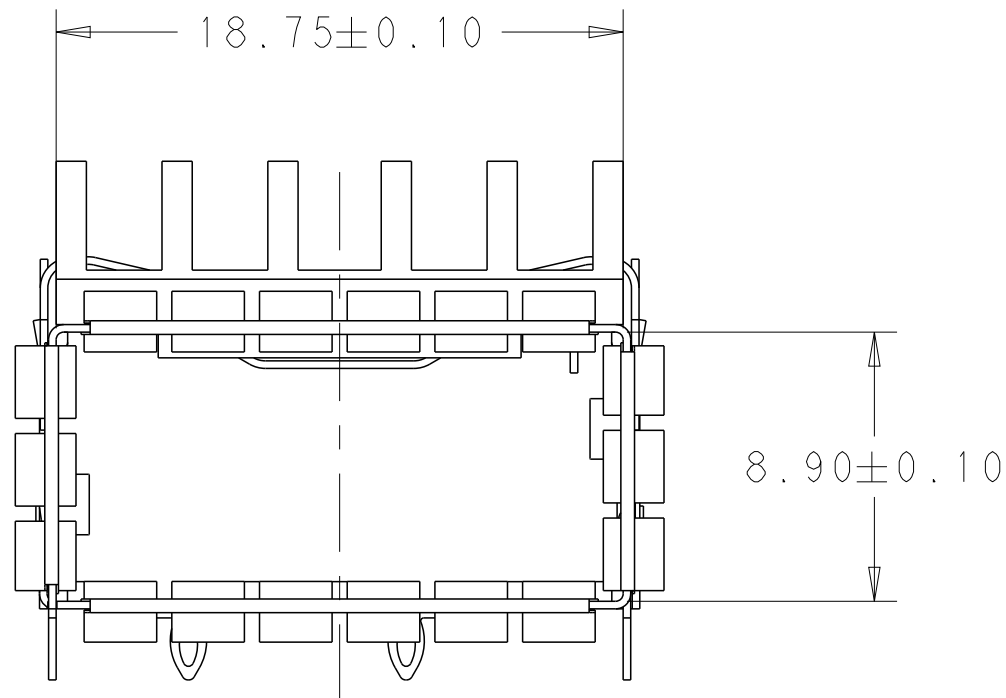
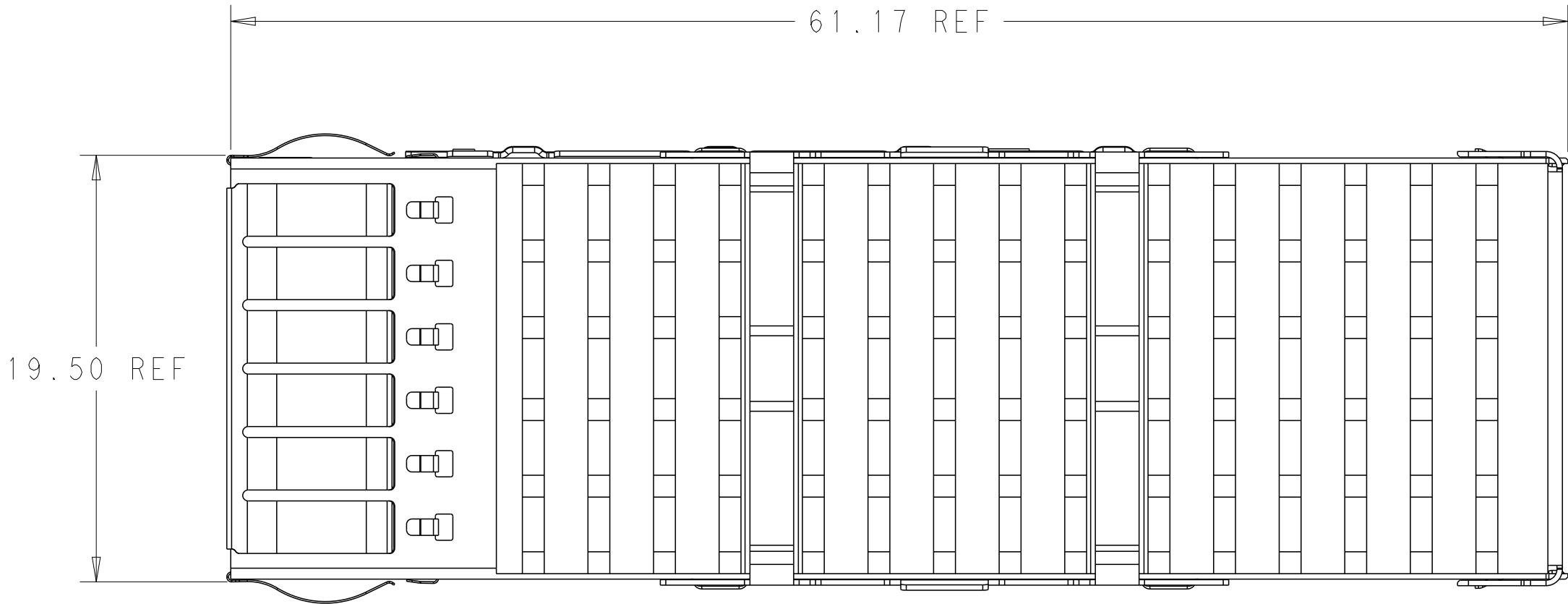
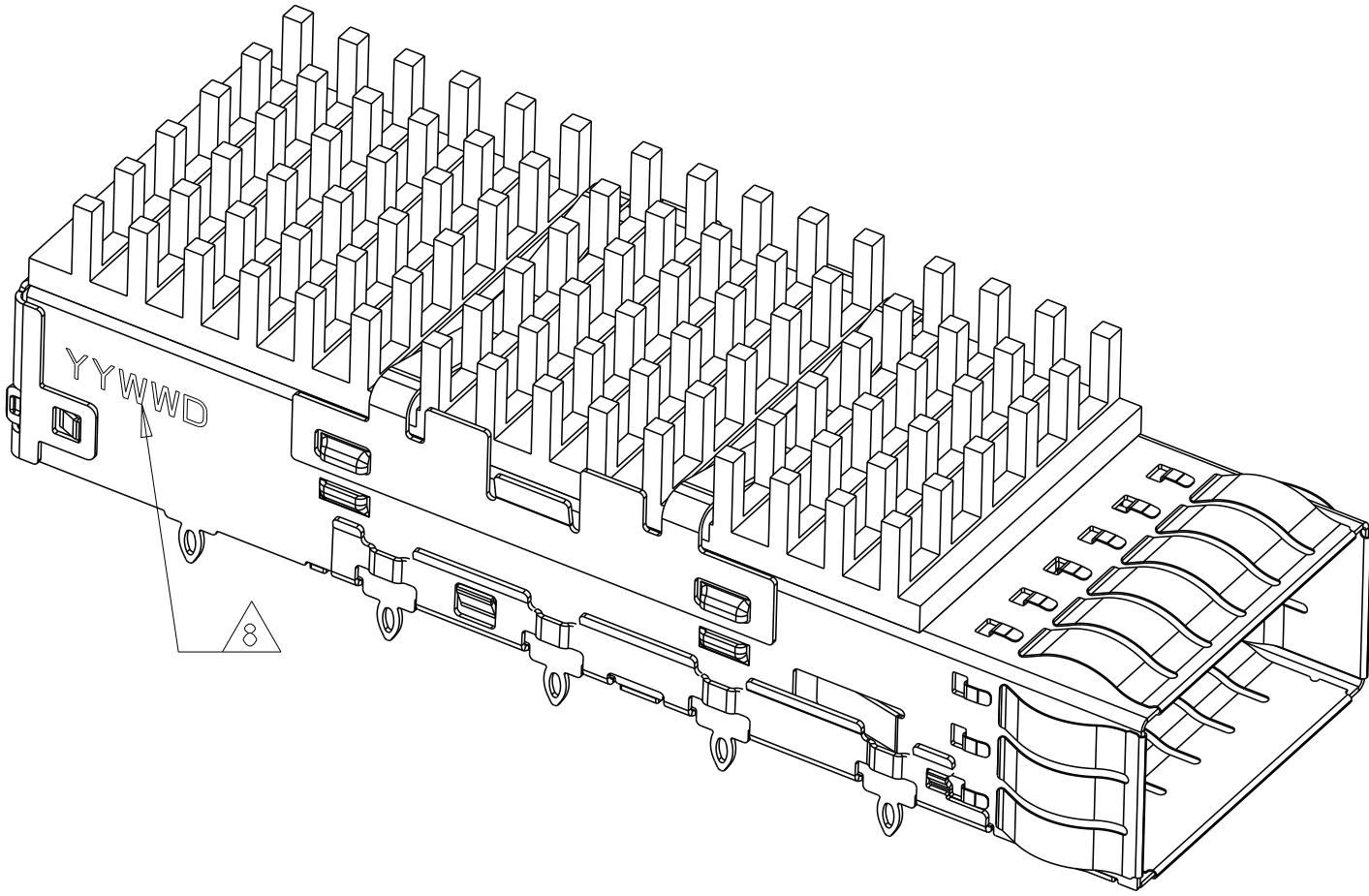
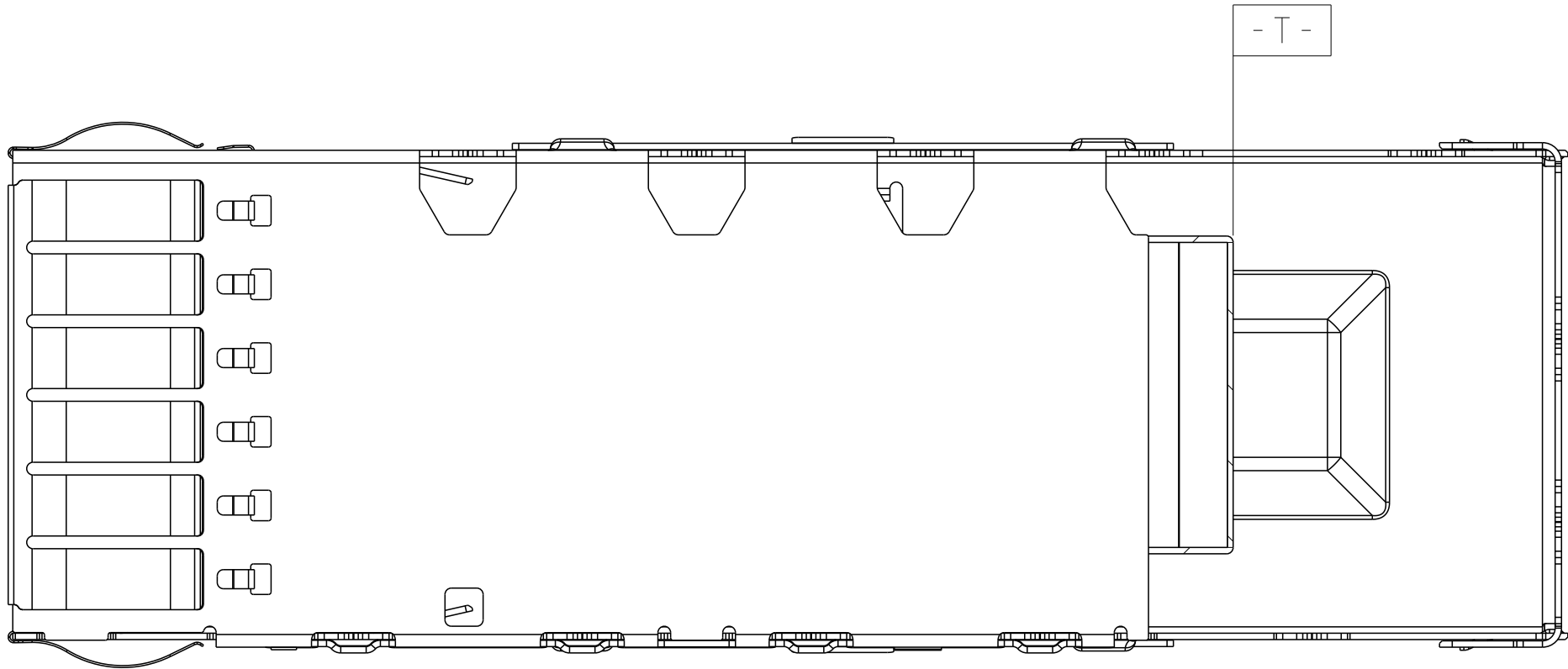




DETAIL A
SCALE 8:1



1. MATERIAL:
CAGE MATERIAL : 0.25 THICK NICKEL SILVER.
SPRING MATERIAL: COPPER ALLOY
HEAT SINK MATERIAL: ALUMINUM
CLIP MATERIAL: STAINLESS STEEL

2. FINISH:
SPRING: NICKEL PLATING
HEAT SINK: BLACK ANODIZE/NICKEL PLATING

3. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.

4. REFERENCE APPLICATION SPEC 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.

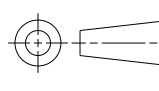
6. MINIMUM PC BOARD THICKNESS : SINGLES SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN

7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

8. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN

9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

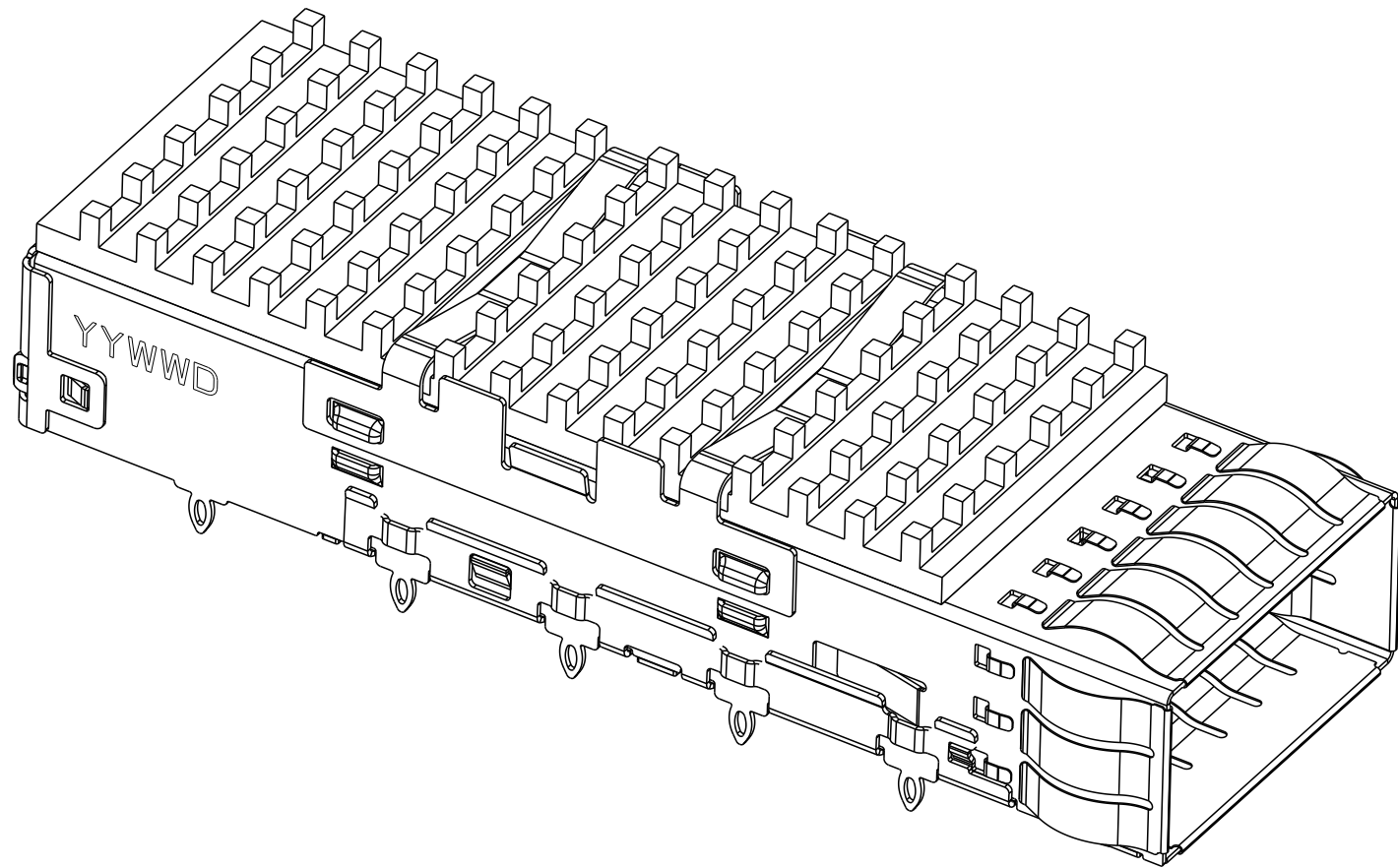
13.2	2	WITHOUT	CUSTOMIZED	5-2170704-3
21.5	1	WITH	CUSTOMIZED	5-2170704-2
13.7	2	WITH	PCI	5-2170704-1
12.6	1	WITHOUT	CUSTOMIZED	1-2170704-7
12.6	2	WITHOUT	CUSTOMIZED	1-2170704-6
19.0	1	WITHOUT	CUSTOMIZED	1-2170704-5
19.0	0	WITHOUT	CUSTOMIZED	1-2170704-4
13.7	2	WITHOUT	CUSTOMIZED	1-2170704-3
13.7	2	WITHOUT	CUSTOMIZED	1-2170704-2
13.7	2	WITHOUT	PCI	1-2170704-1
19.0	2	WITHOUT	CUSTOMIZED	1-2170704-0
23.0	1	WITHOUT	NETWORKING	2170704-9
16.0	1	WITHOUT	SAN	2170704-8
13.7	1	WITHOUT	PCI	2170704-7
23.0	0	WITHOUT	NETWORKING	2170704-6
16.0	0	WITHOUT	SAN	2170704-5
13.7	0	WITHOUT	PCI	2170704-4
23.0	2	WITHOUT	NETWORKING	2170704-3
16.0	2	WITHOUT	SAN	2170704-2
13.7	2	WITHOUT	PCI	2170704-1
DIM A	#	INSULATING TAPE OPITION	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 23SEP2013	 TE Connectivity	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK SEAN HAN 23SEP2013		
DIMENSIONS:	mm	APVD	NAME	CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK
	0 PLC	±0.25	PRODUCT SPEC	
	1 PLC	±0.25	108-19428	
	2 PLC	±0.20	APPLICATION SPEC	
	3 PLC	±0.100	114-32023	
MATERIAL	ANGLES	±°	SIZE	CAGE CODE DRAWING NO
	FINISH	-	100779	2170704
CUSTOMER DRAWING		SCALE	2:1	SHEET 1 OF 9
		REV	G1	

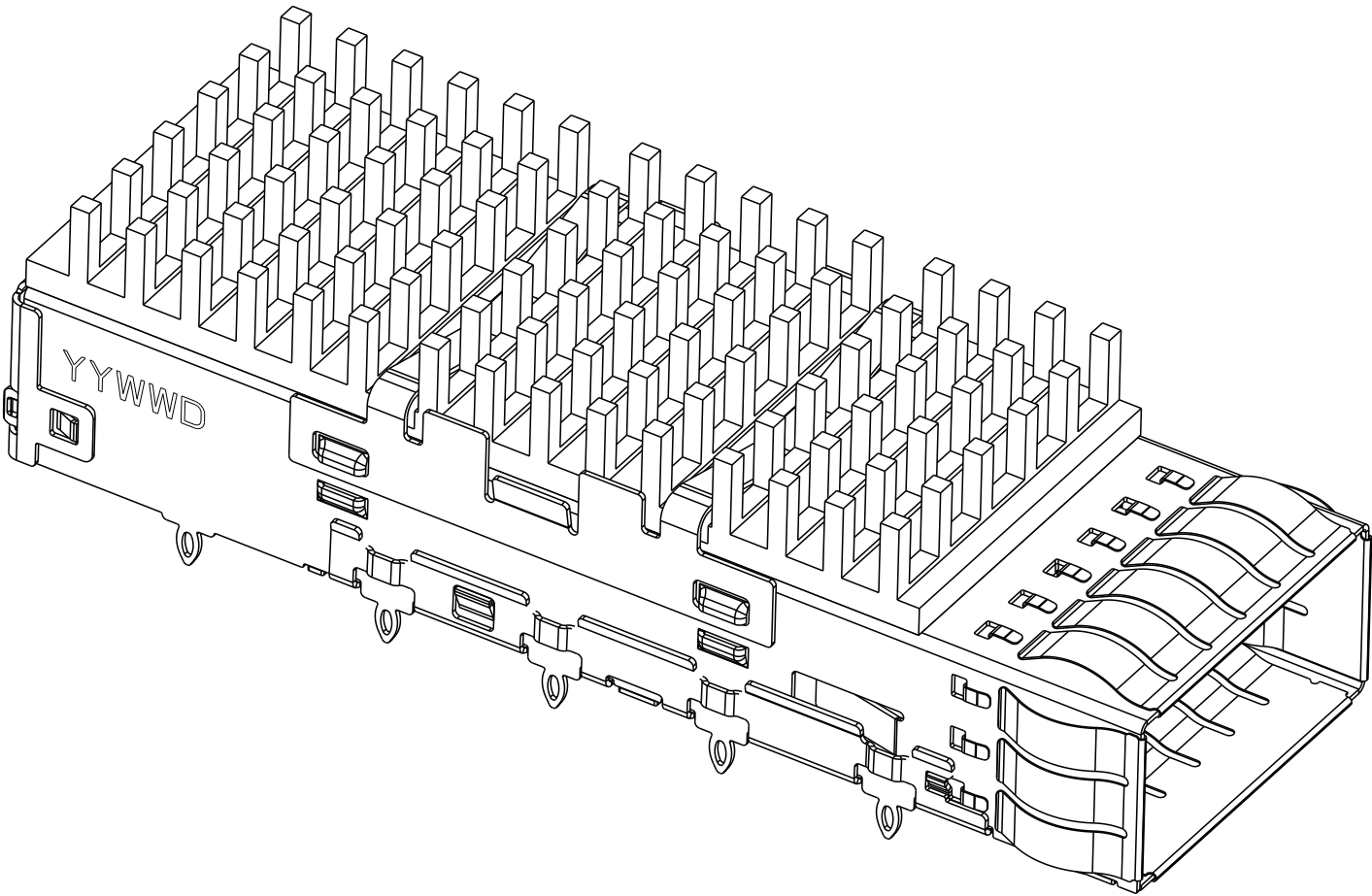
2170704-2 AS SHOWN

LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

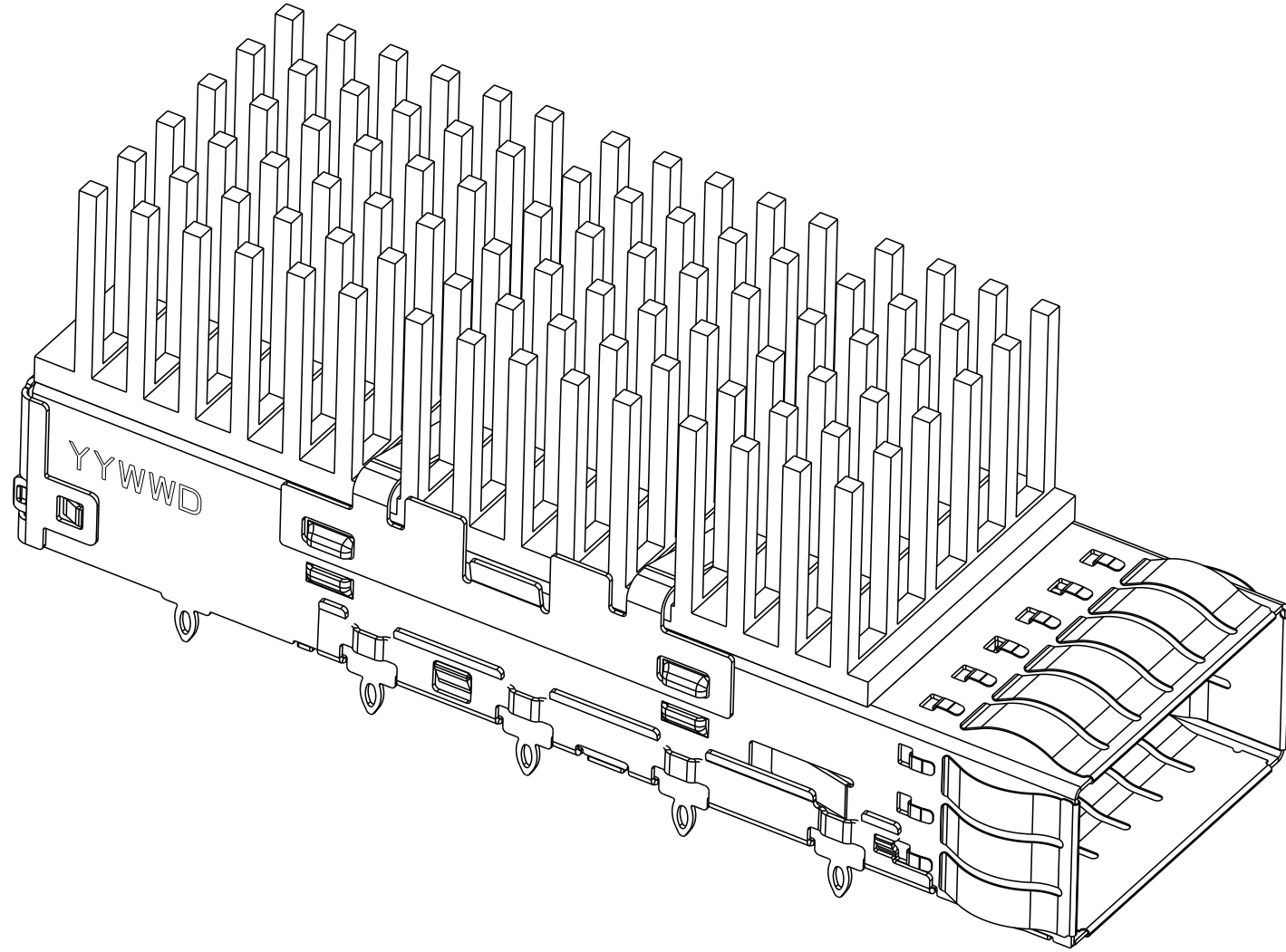
HEAT SINK OPTIONS



PCI HEAT SINK
SCALE 3:1

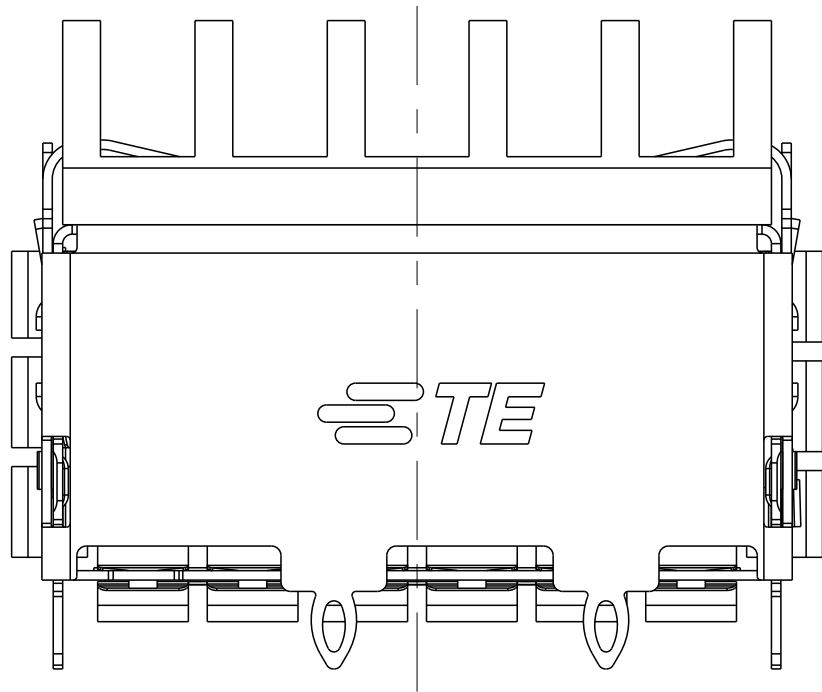


SAN HEAT SINK
SCALE 3:1

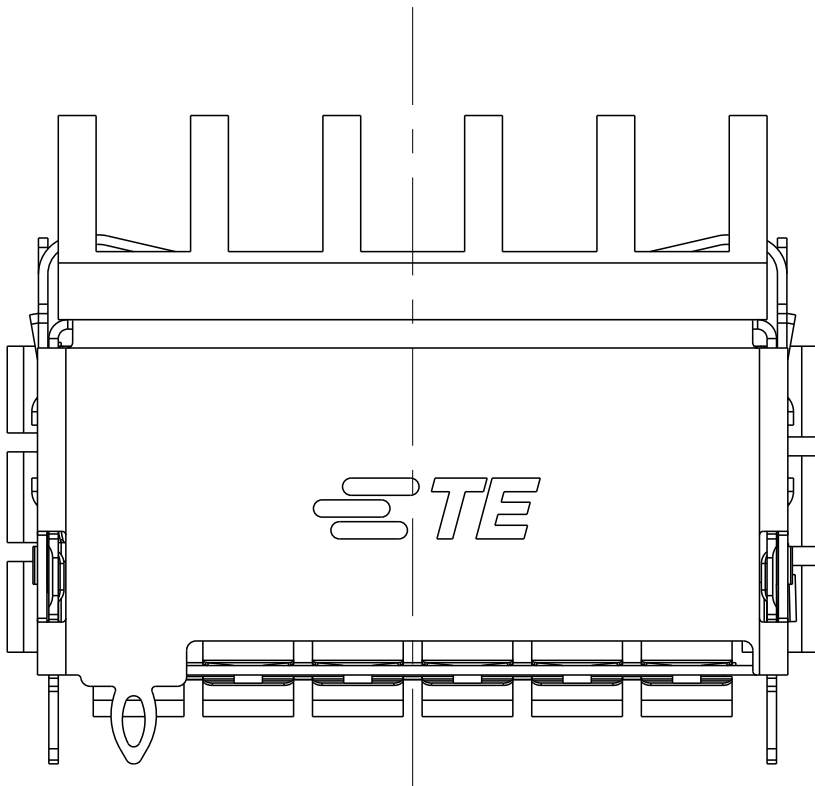


NETWORKING HEAT SINK
SCALE 3:1

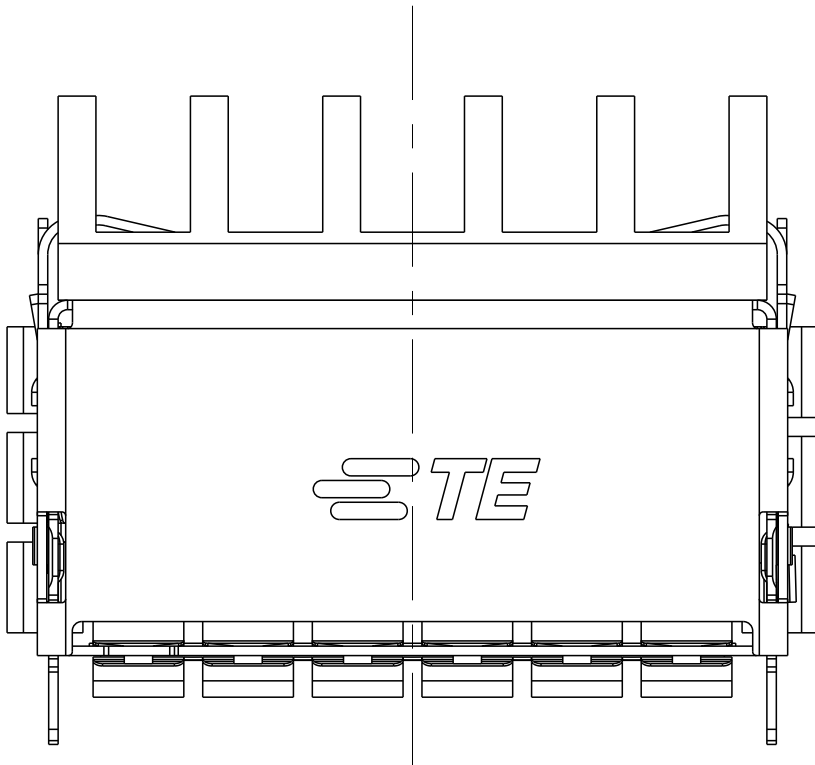
OF REAR LEGS OPTIONS



2 REAR LEGS
SCALE 5:1



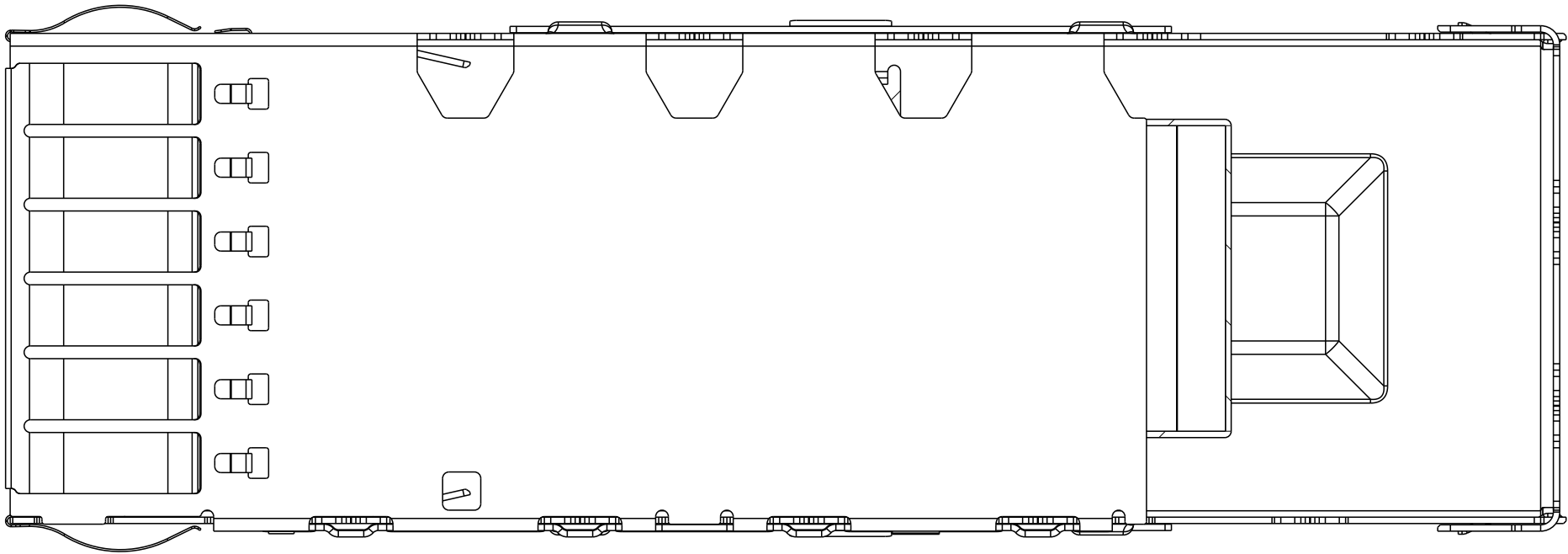
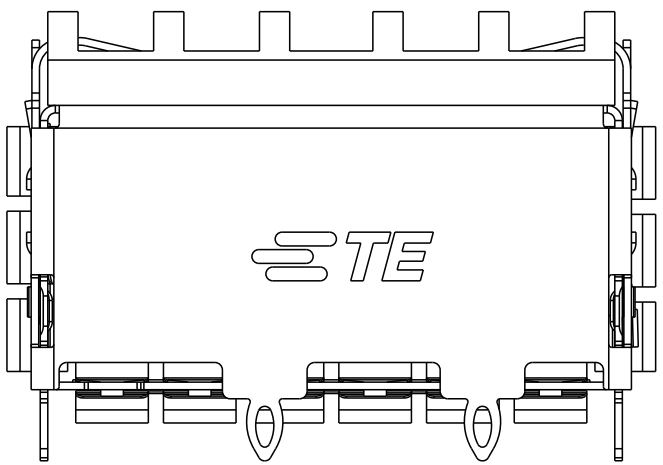
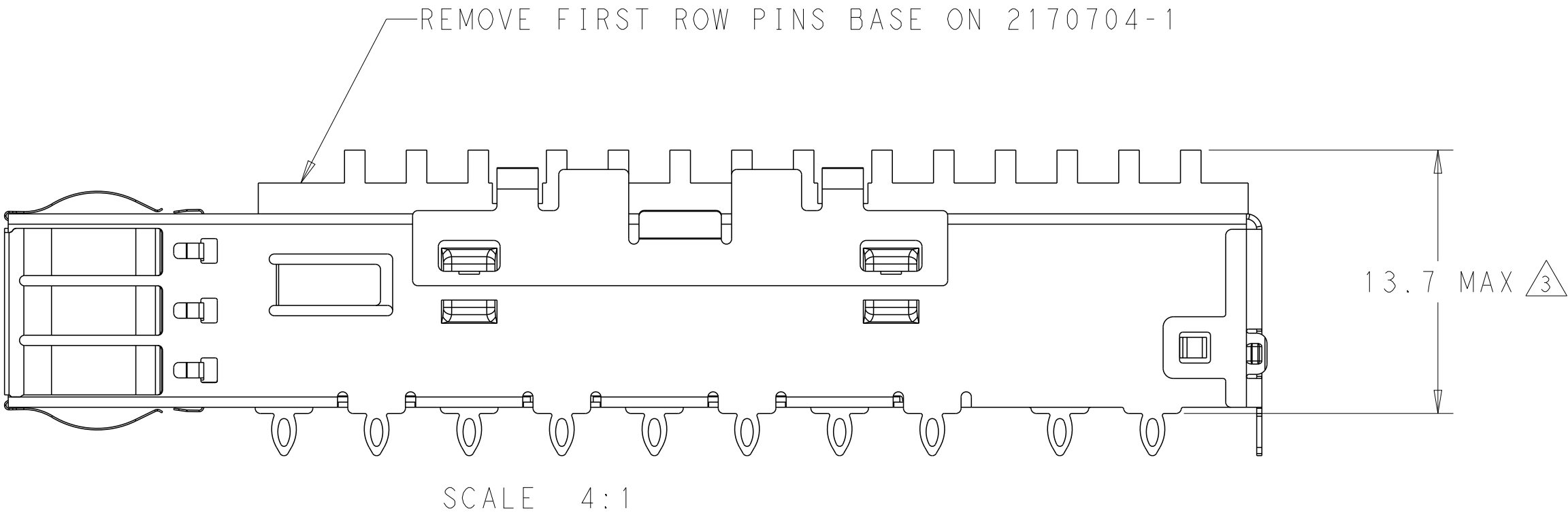
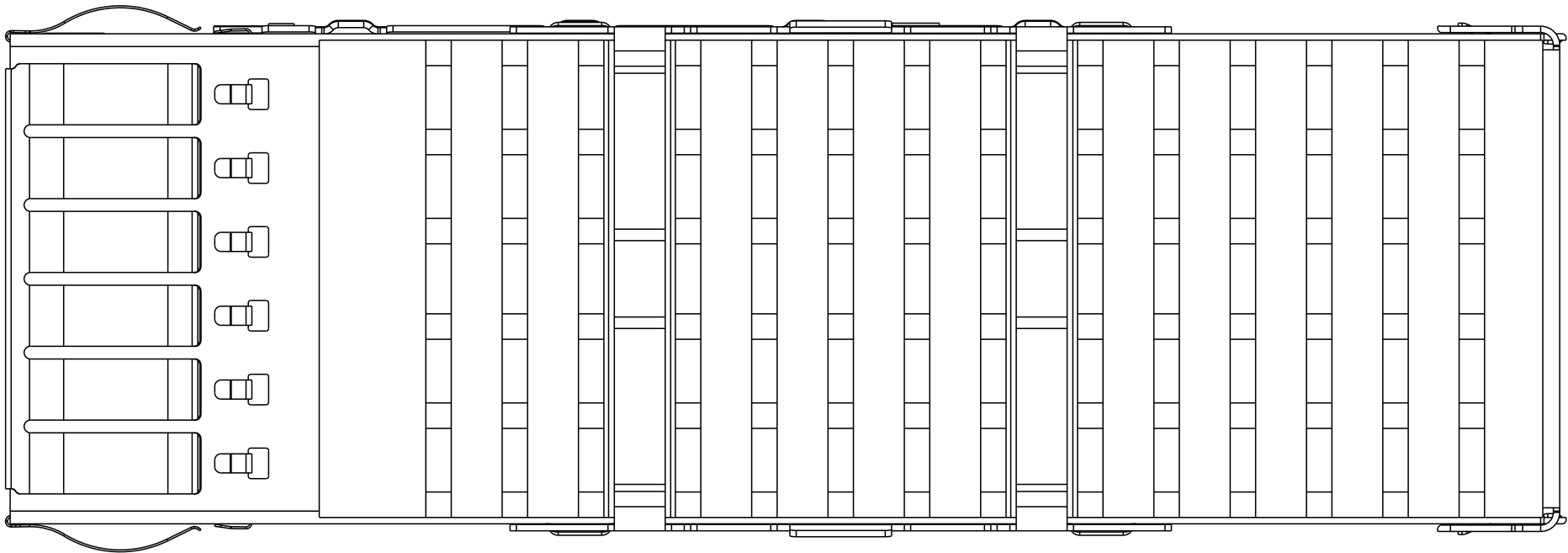
1 REAR LEG
SCALE 5:1



0 REAR LEG
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 23SEP2013 CHK: SEAN HAN 23SEP2013 APVD:	 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 P.LC ±0.25 1 P.LC ±0.25 2 P.LC ±0.20 3 P.LC ±0.100 4 P.LC ± ANGLES ± FINISH	NAME: CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK PRODUCT SPEC: 108-19428 APPLICATION SPEC: 114-32023 WEIGHT: -	RESTRICTED TO: -
mm				
MATERIAL: -				
CUSTOMER DRAWING		SIZE: A1	CAGE CODE: 00779	DRAWING NO: C=2170704
		SCALE: 2:1	SHEET: 2 OF 9	REV: G1

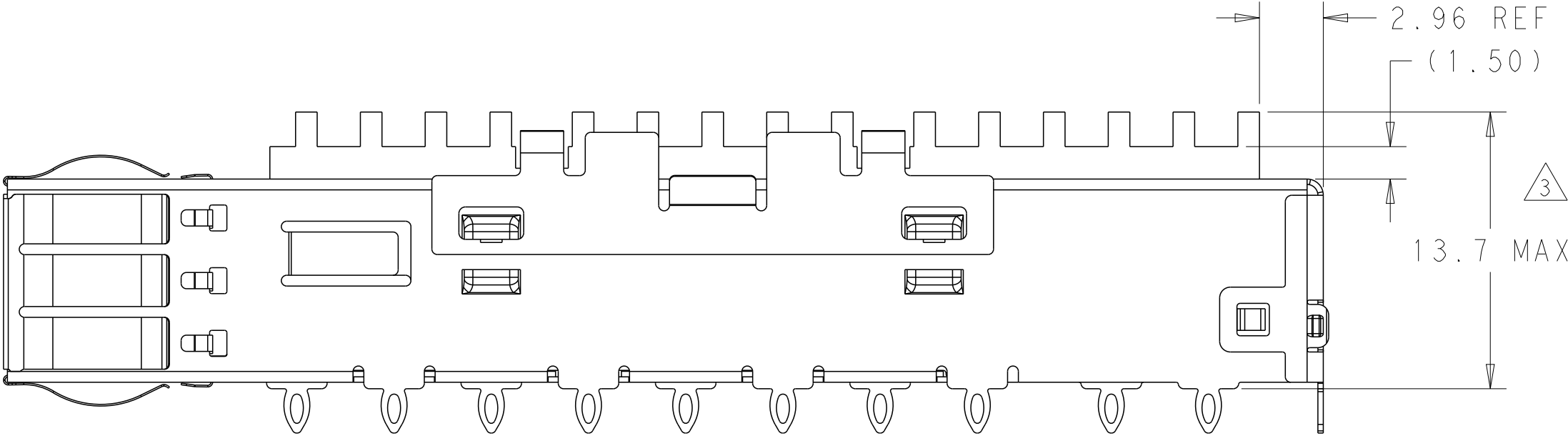
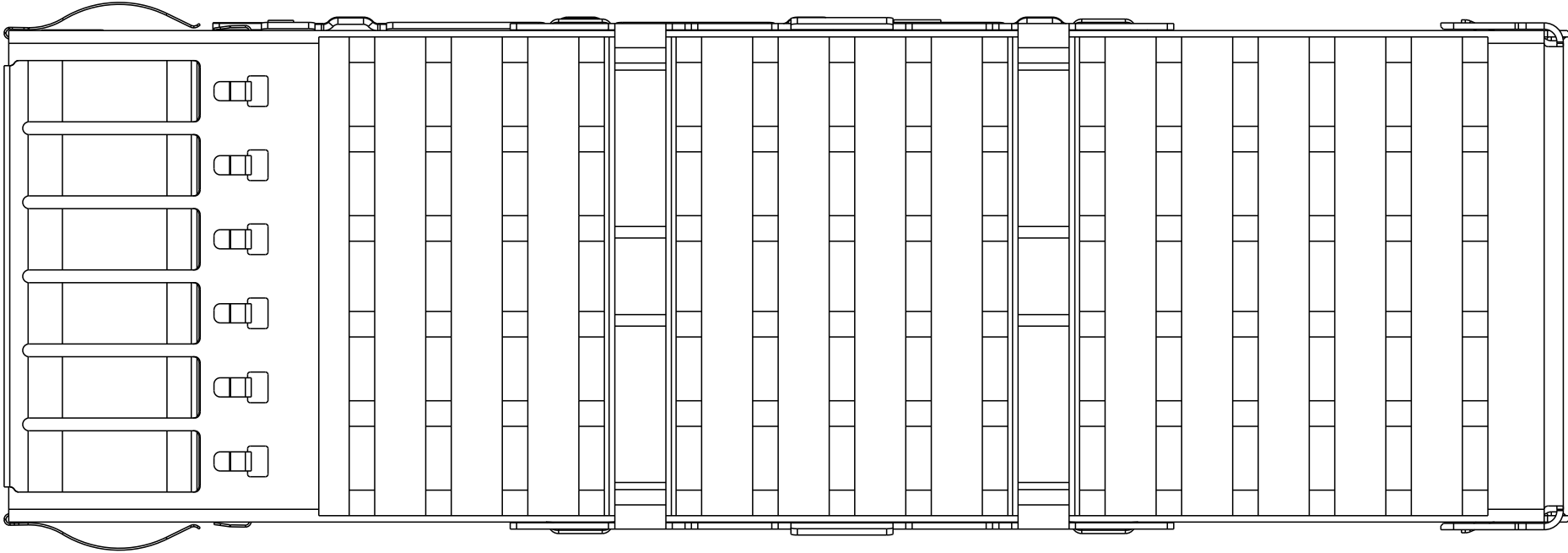
LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
		SEE SHEET 1		-	-	-	



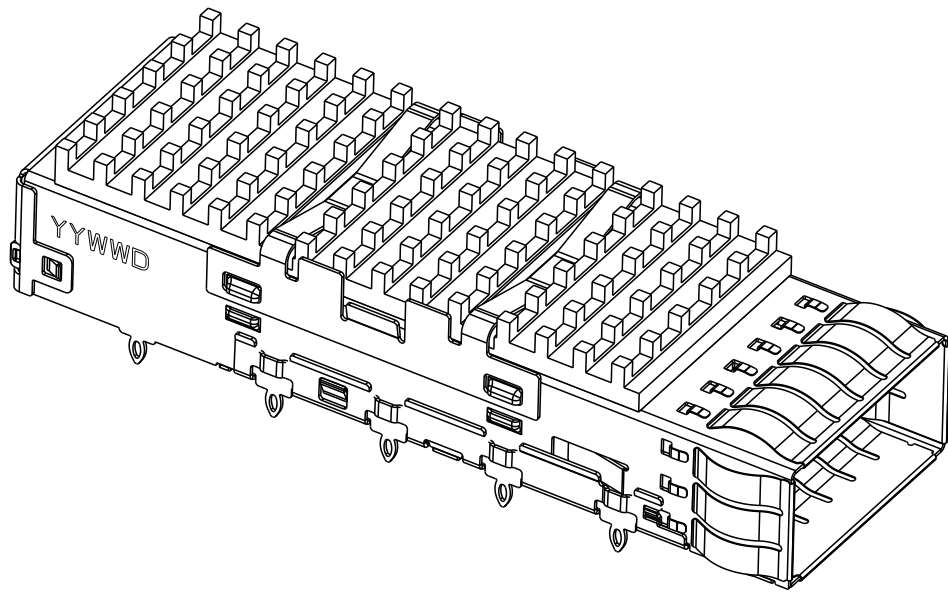
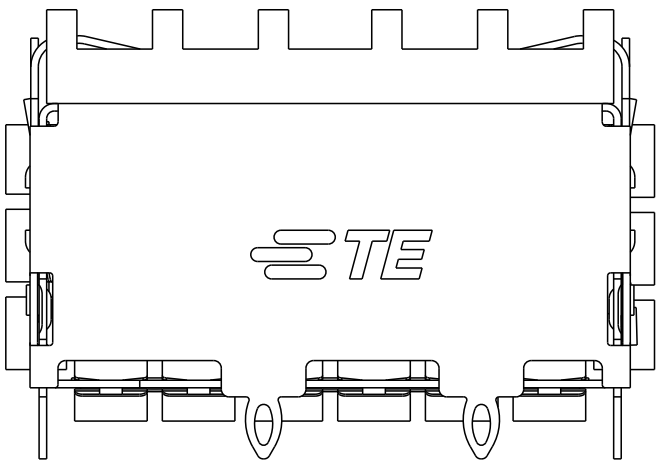
1-2170704-2 ARE AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 23SEP2013	 TE Connectivity			
		CHK SEAN HAN 23SEP2013				
DIMENSIONS:		APVD		NAME		
mm		PRODUCT SPEC		CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK		
		APPLICATION SPEC				
		MATERIAL		SIZE 114-32023	CAGE CODE 00779	DRAWING NO C=2170704
				WEIGHT	RESTRICTED TO	
				CUSTOMER DRAWING		SCALE 2:1

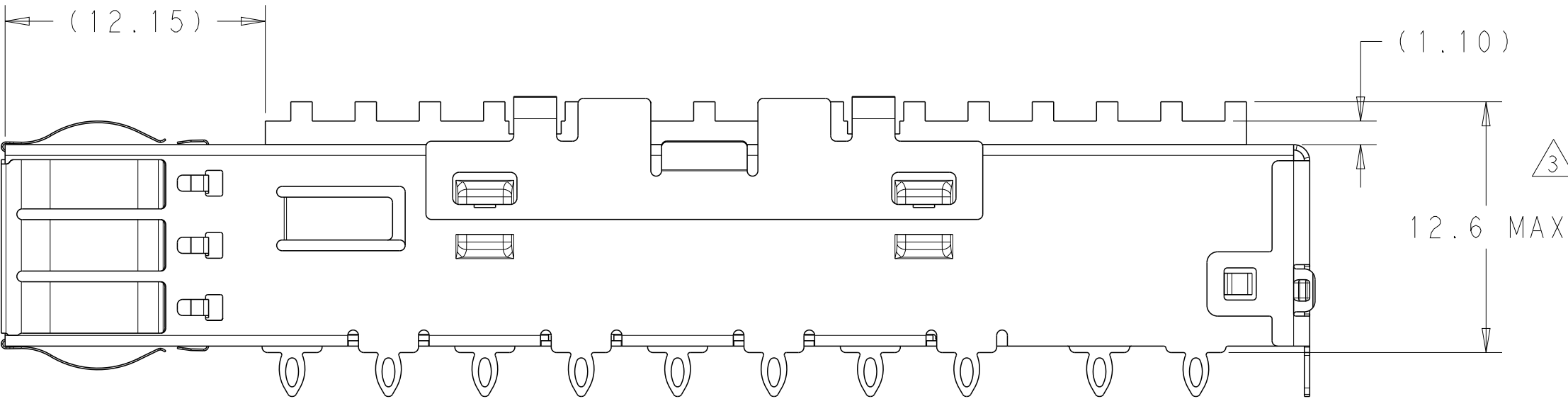
LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



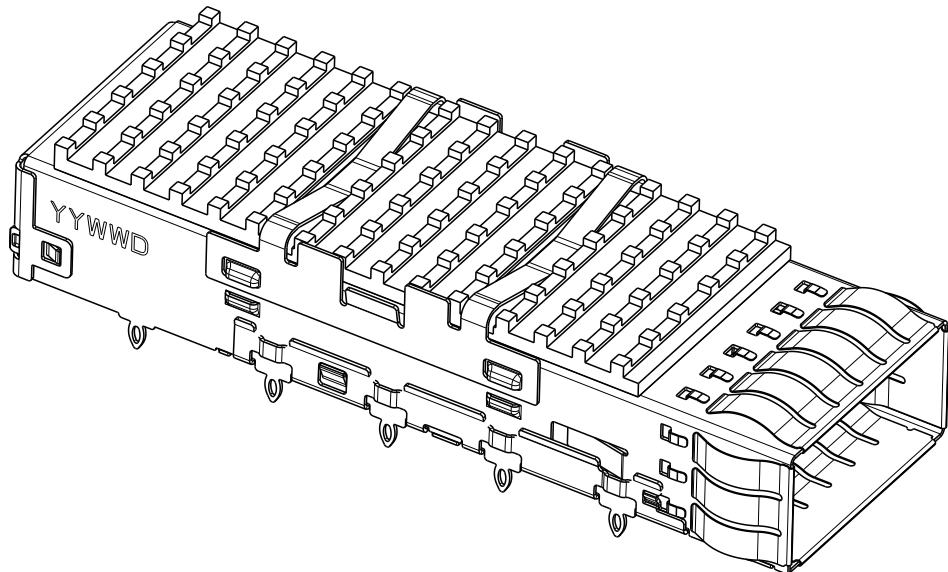
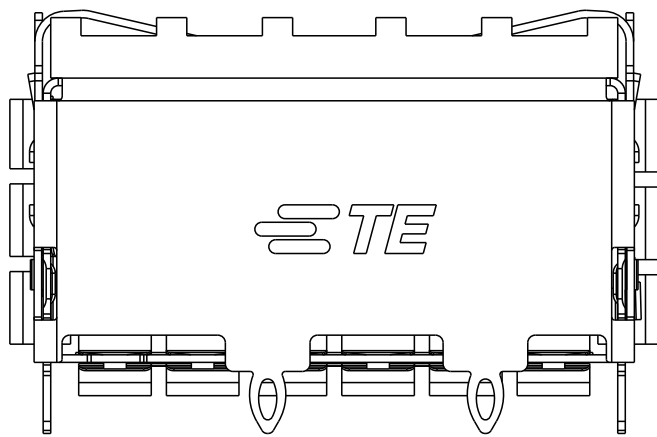
1-2170704-3 AS SHOWN
SCALE 4:1



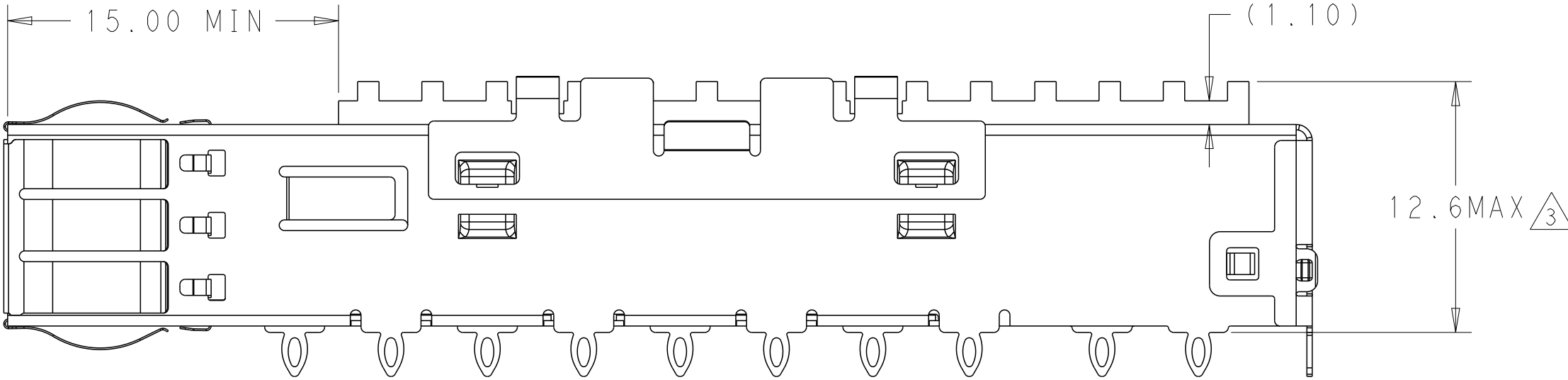
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SCALE 2:1



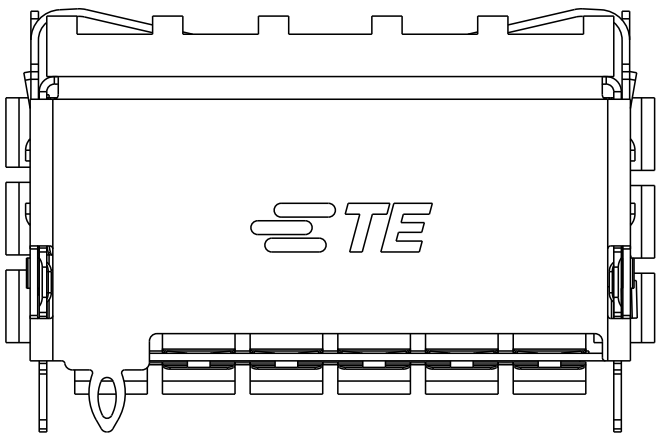
1-2170704-6 AS SHOWN
SAME AS 1-2170704-3 EXCEPT MARKED DIMENSIONS
SCALE 4:1



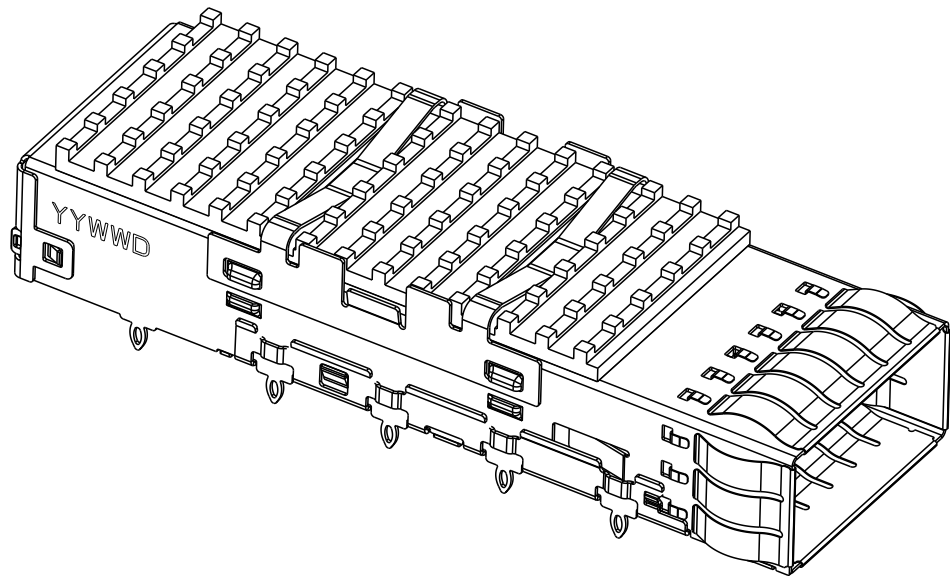
1-2170704-6 ARE AS SHOWN
SCALE 2:1



1-2170704-7 AS SHOWN
SAME AS 1-2170704-6 EXCEPT MARKED DIENSIONS



SCALE 4:1



1-2170704-7 AS SHOWN
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: JASON YANG 23SEP2013

CHK: SEAN HAN 23SEP2013

APVD:

DIMENSIONS:

mm

0 PLC ±0.25

1 PLC ±0.25

2 PLC ±0.20

3 PLC ±0.100

4 PLC ±

ANGLES ±

FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

114-32023

WEIGHT

CUSTOMER DRAWING

NAME

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

TE Connectivity

CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK

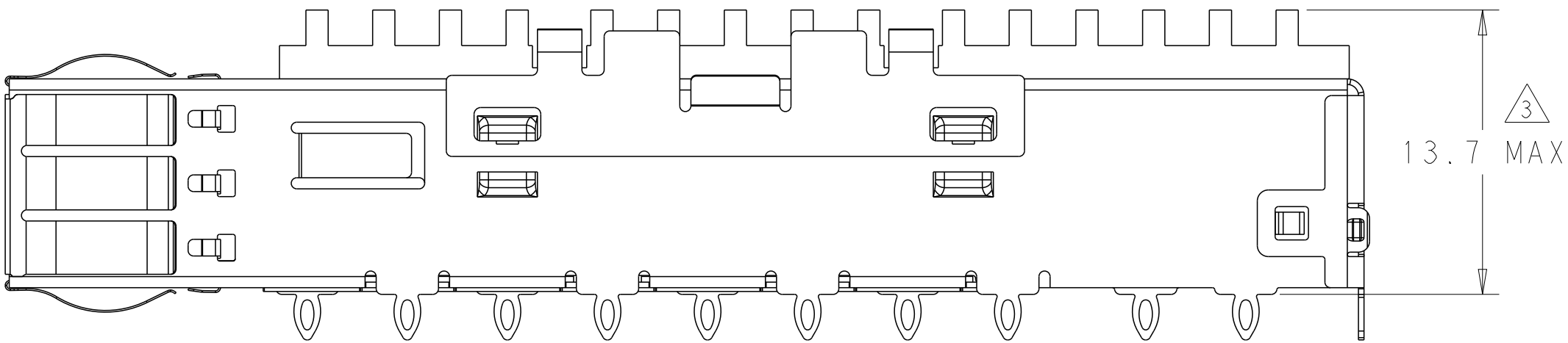
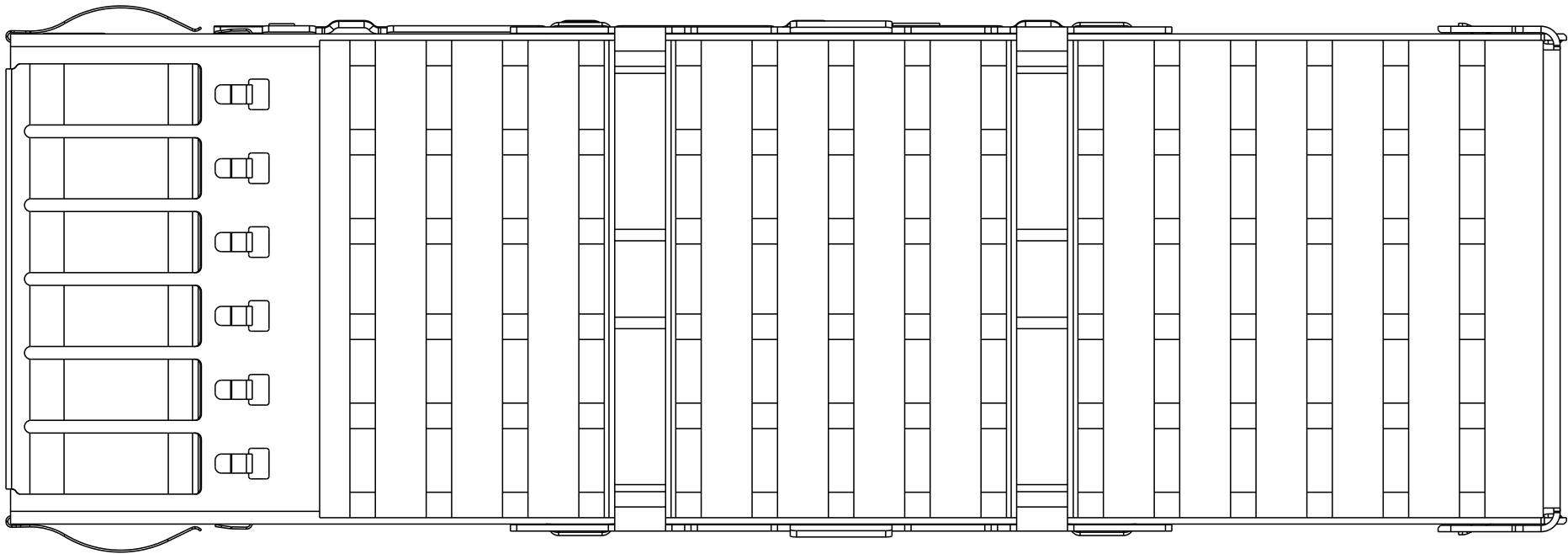
A100779C=2170704

SCALE 2:1

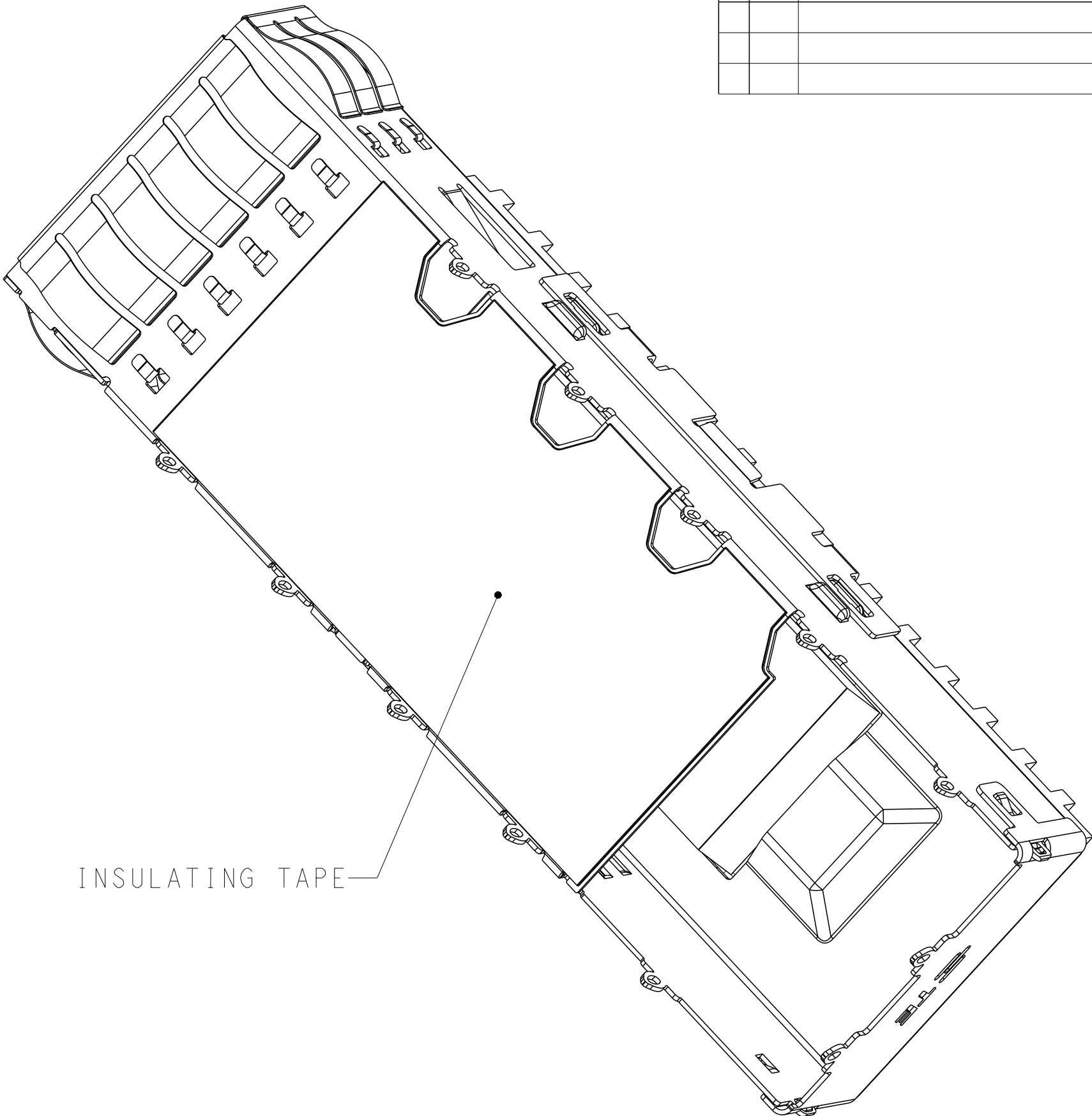
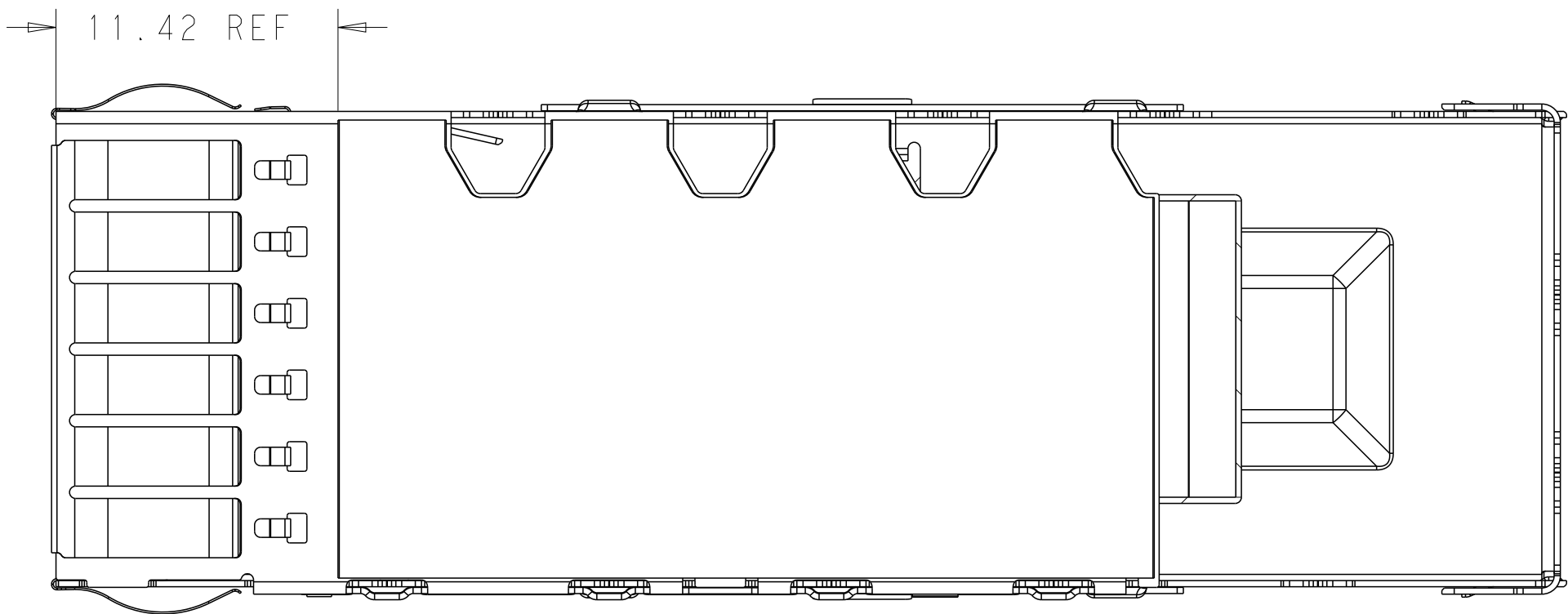
SHEET 4 OF 9

REV G1

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

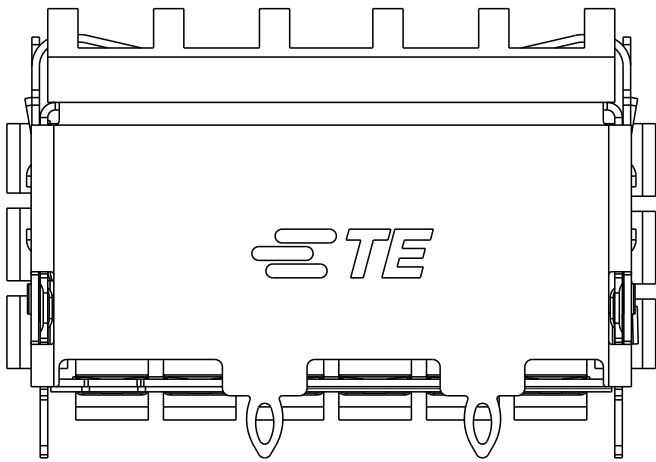


SCALE 4:1



INSULATING TAPE

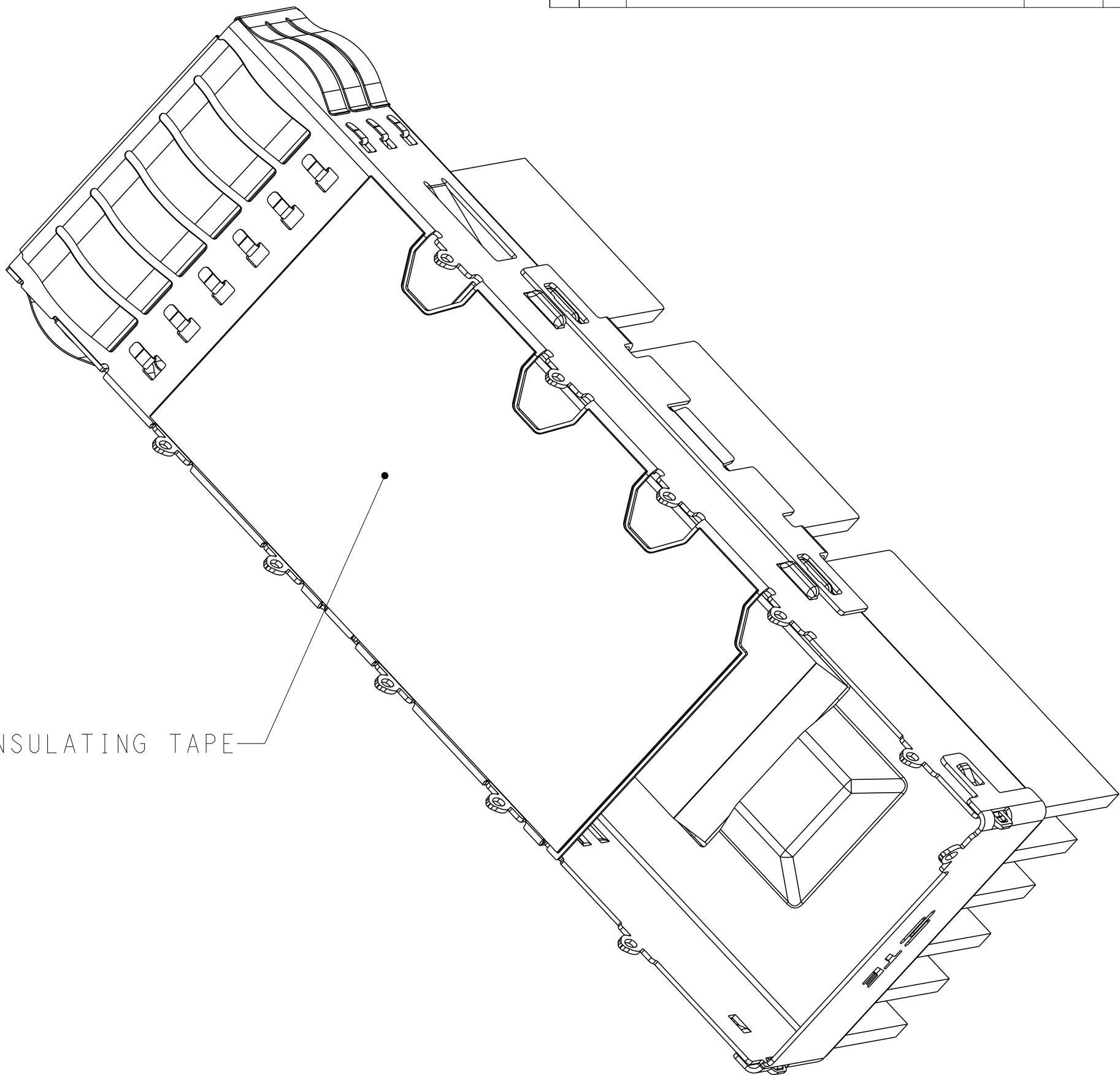
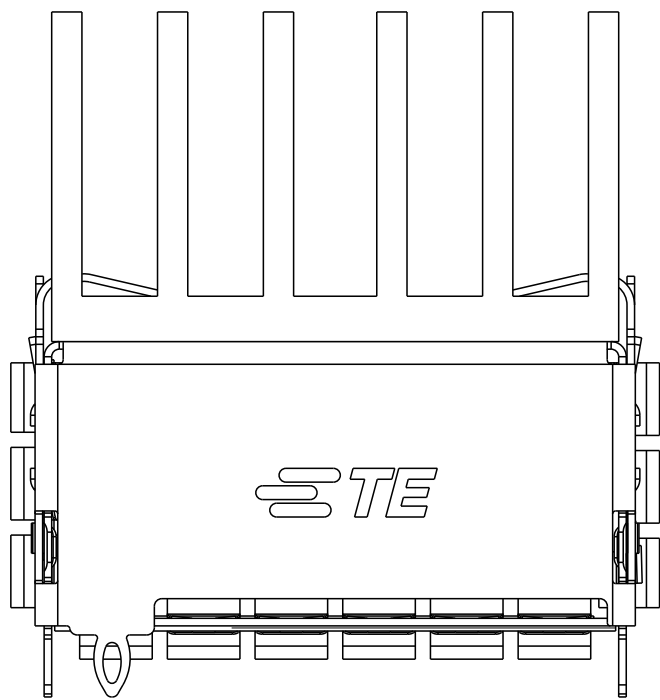
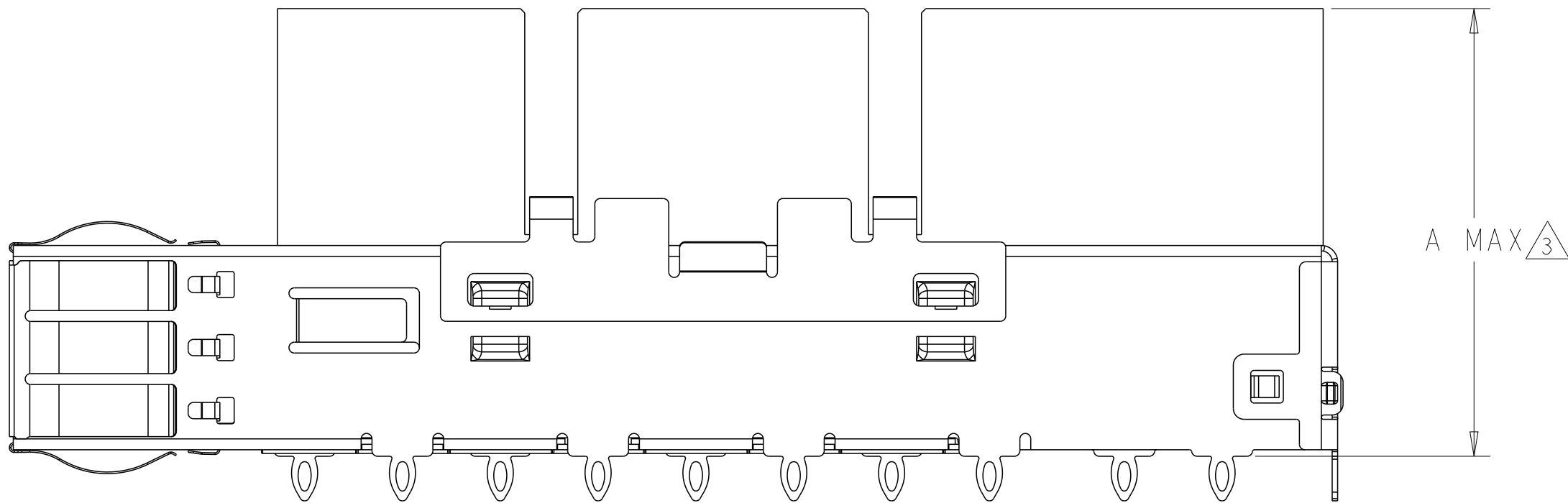
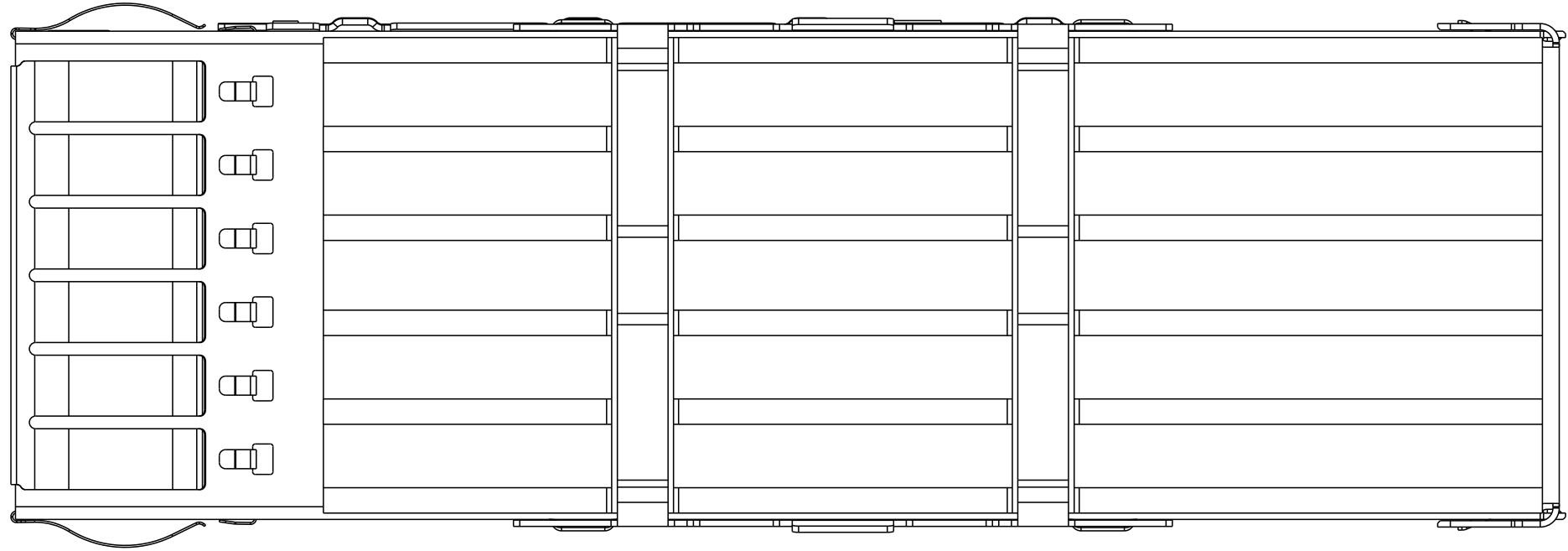
5-2170704-1 WITH INSULATING TAPE
SCALE 4:1



5-2170704-1 ARE AS SHOWN

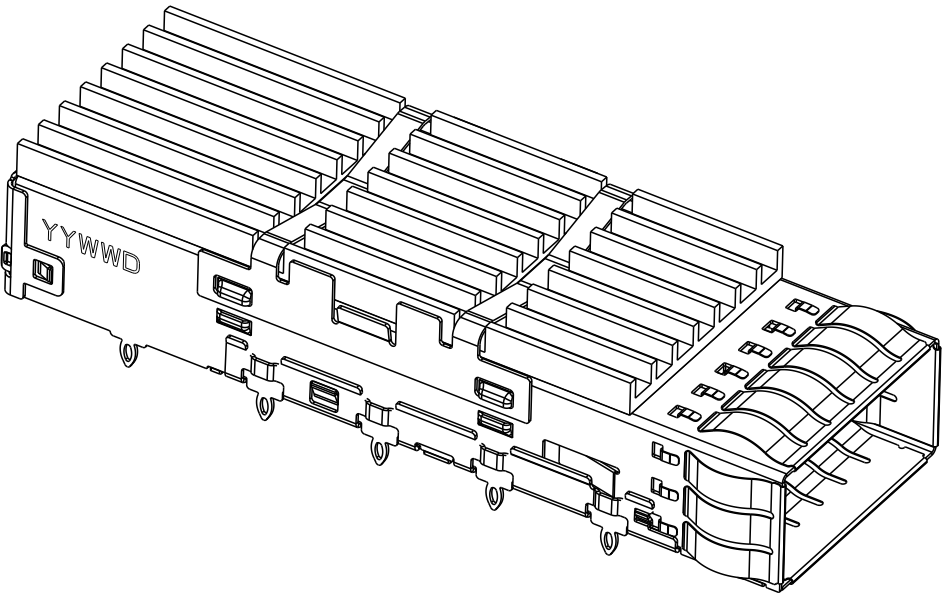
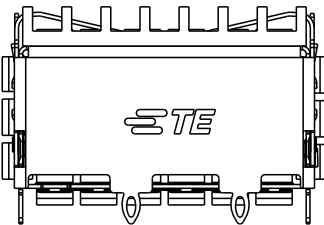
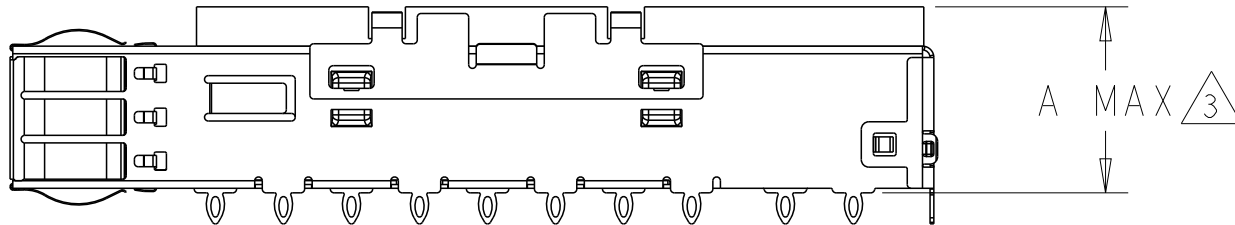
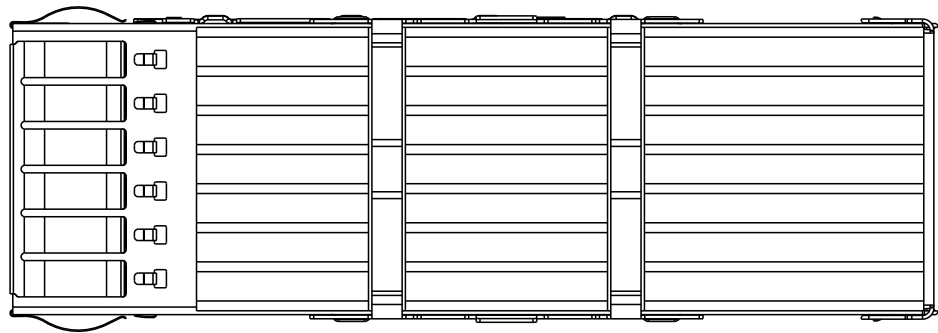
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 23SEP2013	 TE Connectivity			
		CHK: SEAN HAN 23SEP2013				
DIMENSIONS:		APVD:	NAME:			
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC			
			108-19428			
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.20 3 PLC ±0.100 4 PLC ± ANGLES ± FINISH	APPLICATION SPEC	RESTRICTED TO			
			114-32023			
		MATERIAL		WEIGHT	SIZE CAGE CODE DRAWING NO	
		-		-	A100779C=2170704	
		CUSTOMER DRAWING		SCALE 2:1	SHEET 5 OF 9	REV G1

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



5-2170704-2 WITH INSULATING TAPE
SCALE 4:1

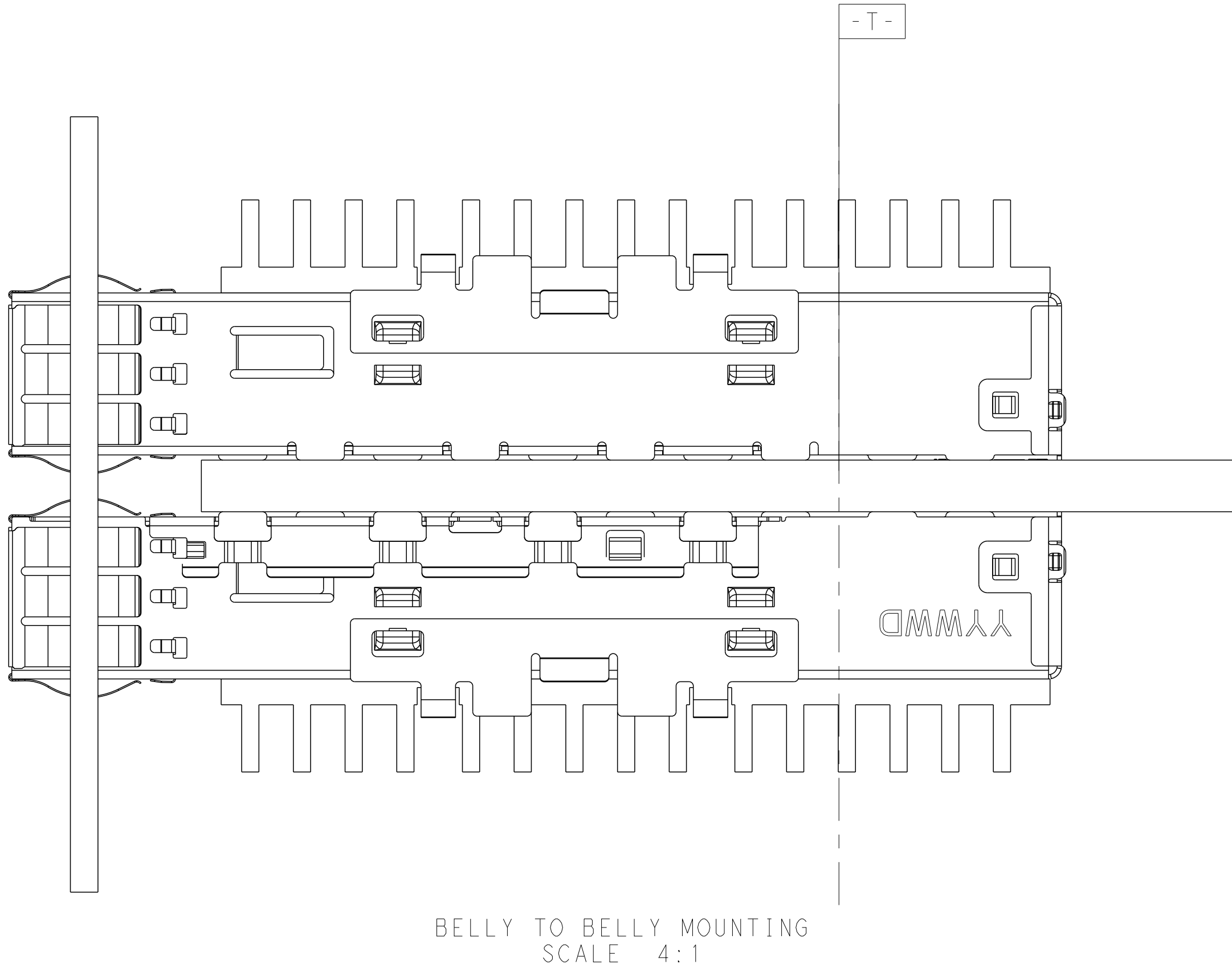
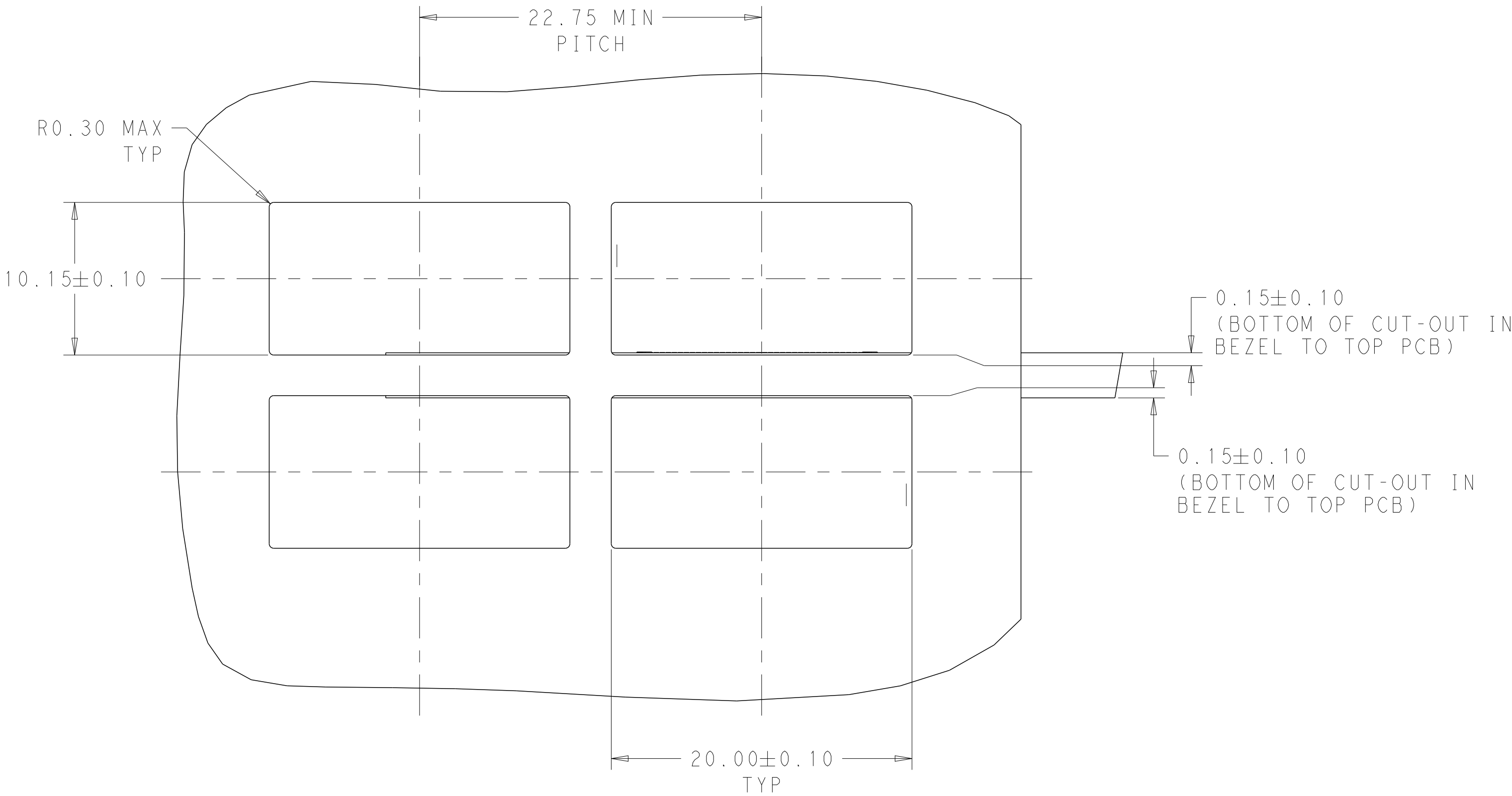
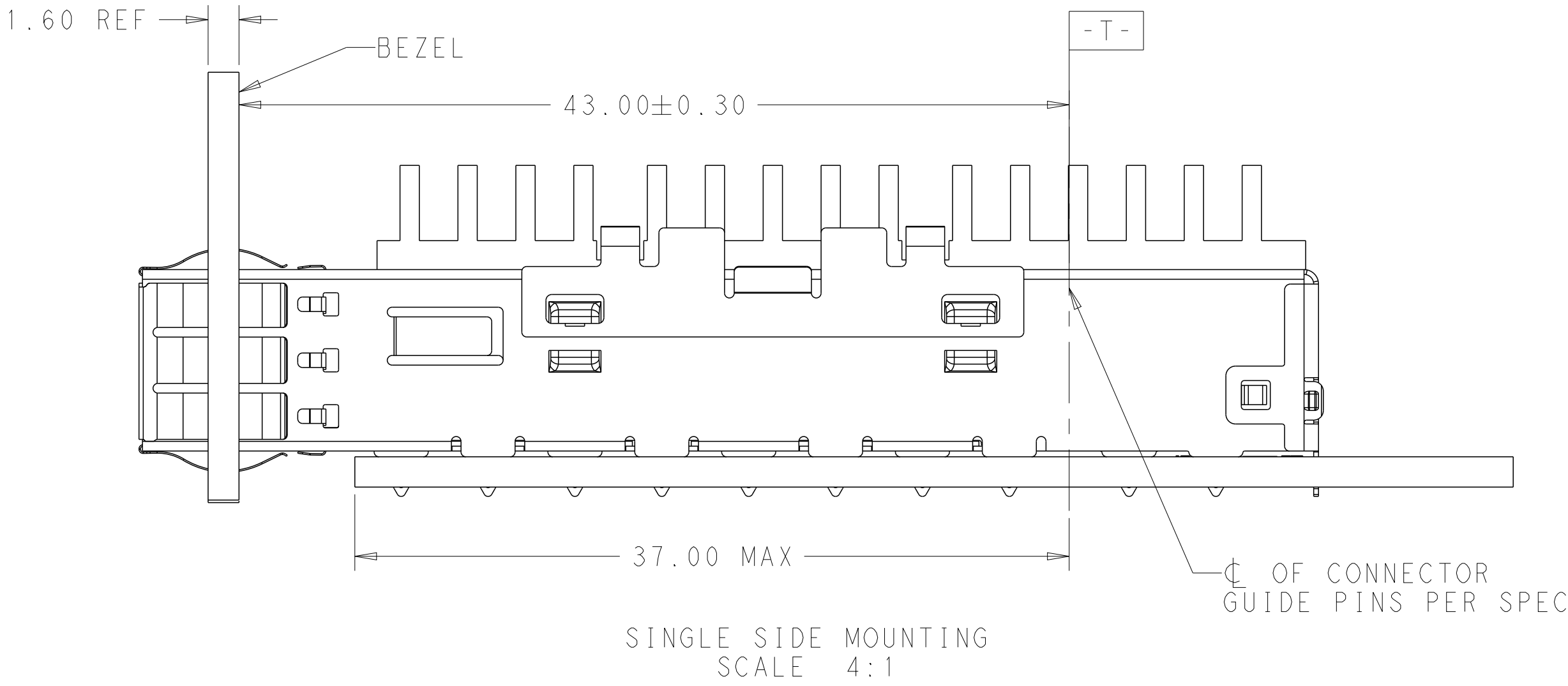
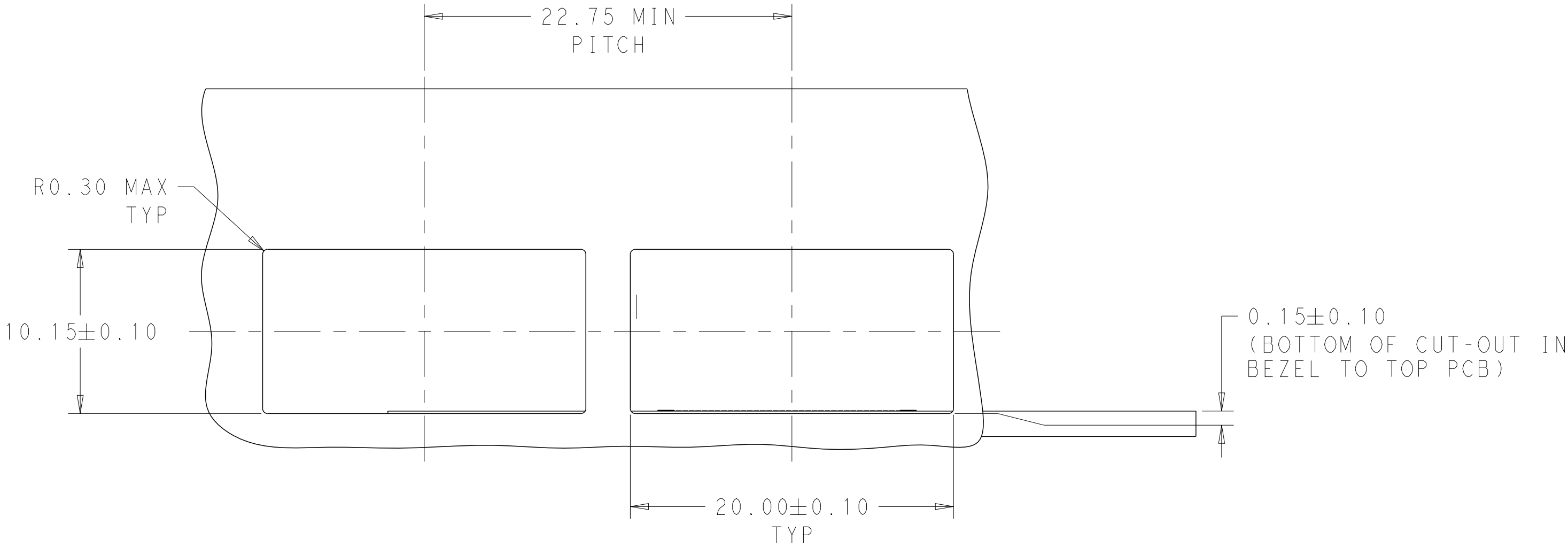
5-2170704-2 ARE AS SHOWN



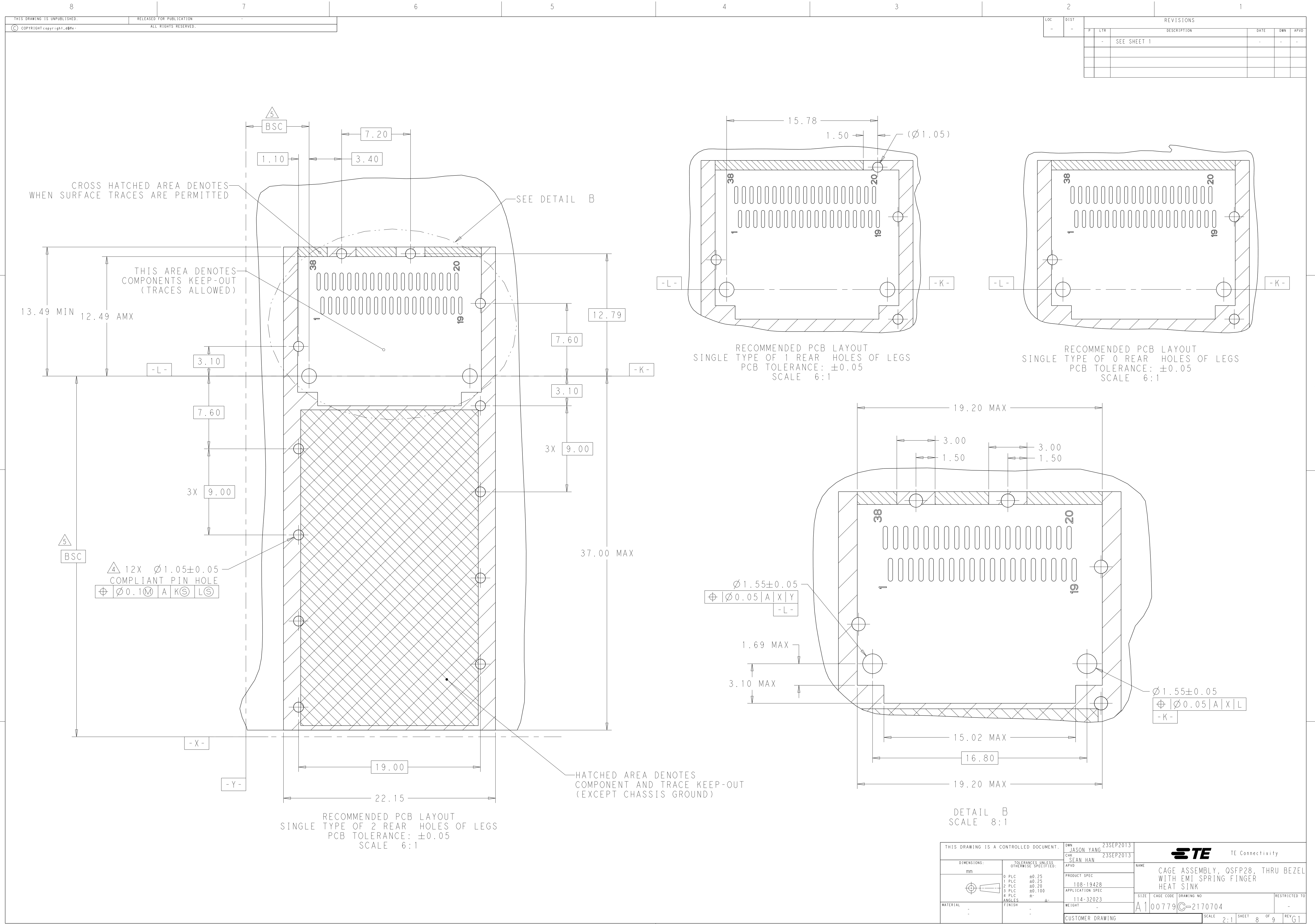
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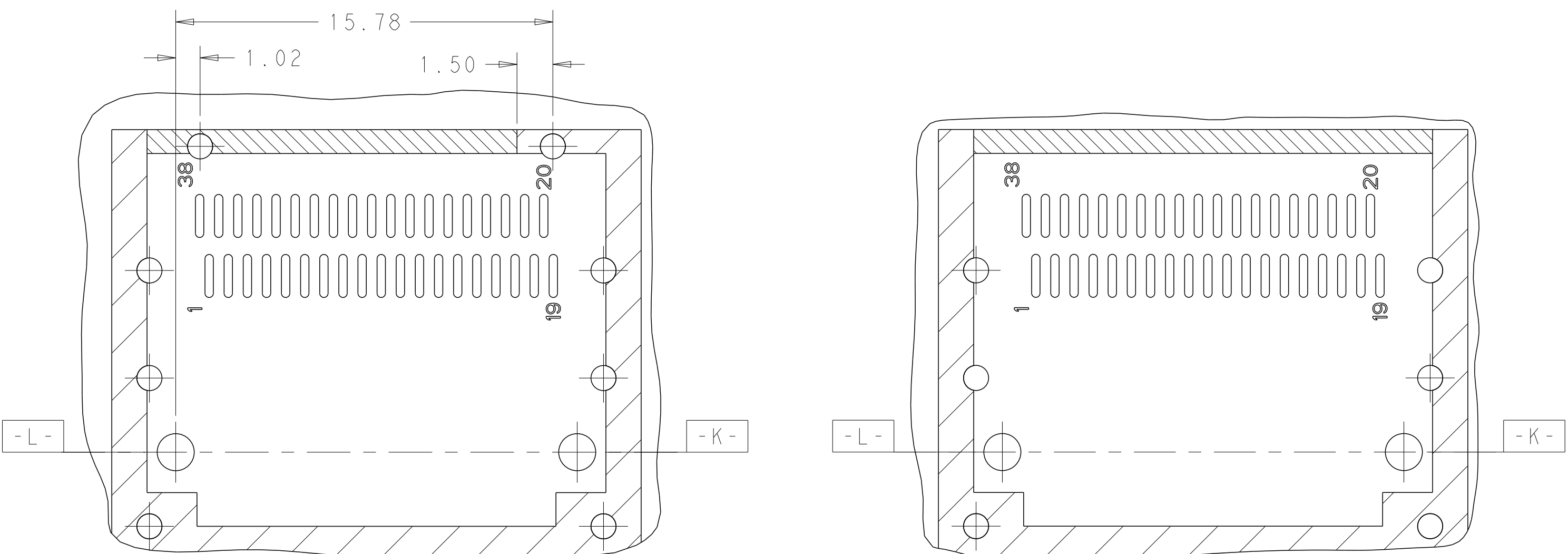
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 23SEP2013 CHK SEAN HAN 23SEP2013 APVD		 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.20 3 PLC ±0.100 4 PLC ± ANGLES ± FINISH		NAME	
mm	CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK				
		PRODUCT SPEC		RESTRICTED TO	
		108-19428		-	
		APPLICATION SPEC		REV	
		114-32023		A100779C=2170704	
MATERIAL		WEIGHT		SCALE 2:1 SHEET 6 OF 9 REV G	
-		-			
		CUSTOMER DRAWING			

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

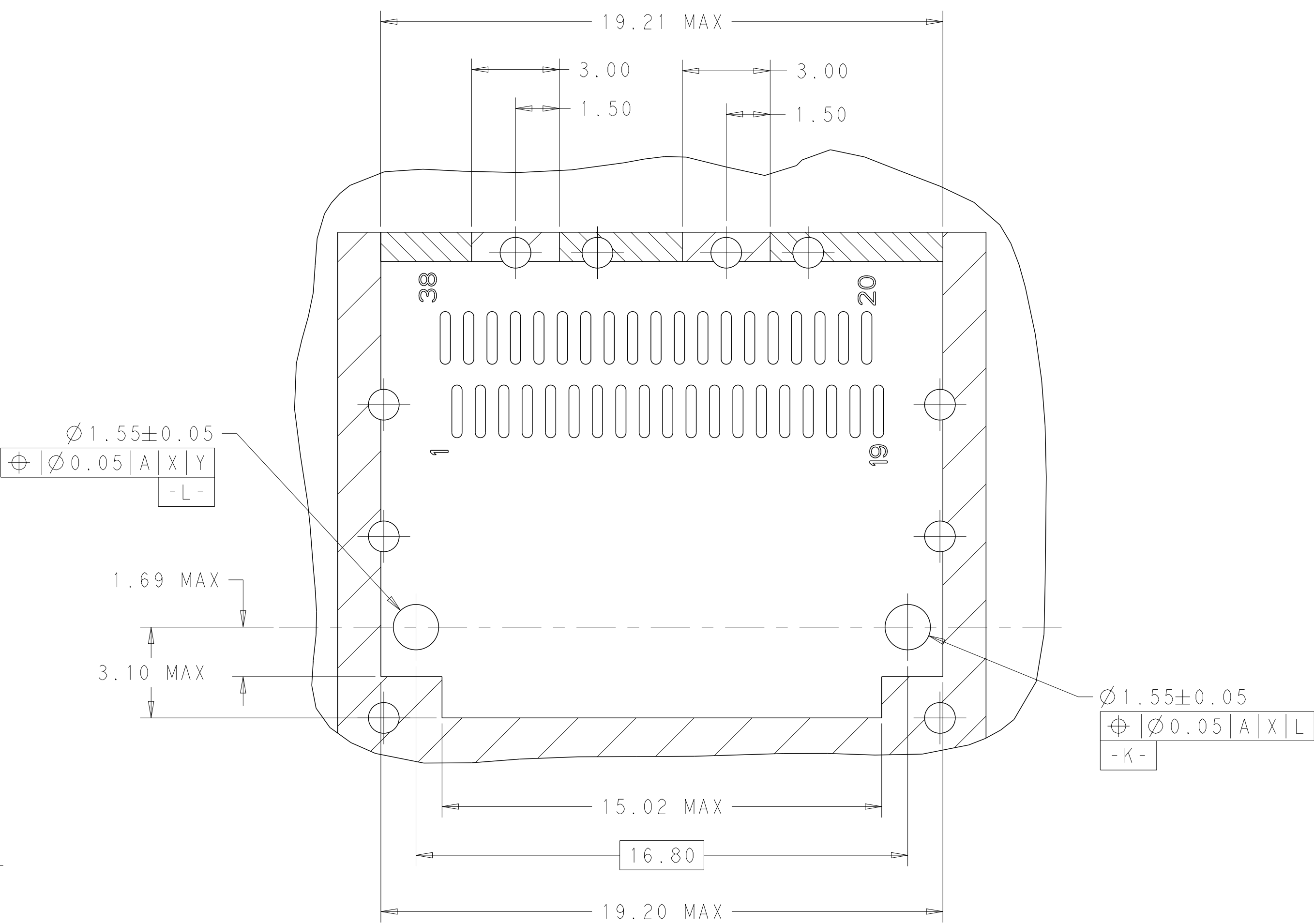


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 23SEP2013		 TE Connectivity		
		CHK SEAN HAN 23SEP2013				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK		
mm						
	0 PLC	±0.25	PRODUCT SPEC 108-19428	SIZE CAGE CODE DRAWING NO		RESTRICTED TO
	1 PLC	±0.25				
	2 PLC	±0.20				
	3 PLC	±0.100				
	4 PLC	±				
ANGLES		±	APPLICATION SPEC 114-32023	A100779 ©=2170704		-
FINISH		-				
		-				
		-				
		-				
MATERIAL			WEIGHT			
				CUSTOMER DRAWING		SCALE 2:1 SHEET 7 OF 9 REV G1





RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE OF 0 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



DETAIL C
SCALE 8:1

4805 (3/11)