

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29JAN2016	JY	SH
	B	REVISED PER ECO-16-015248	24OCT2016	JY	SH
	C1	REVISED PER ECO-20-002129	14FEB2020	VM	SH
	D1	REVISED PER ECN-21-104118	17MAY2021	SH	SZ

1. MATERIAL:
CAGE MATERIAL : 0.25 THICK NICKEL SILVER.
SPRING MATERIAL: COPPER ALLOY
PURE COPPER FOIL: CONDUCTIVE, ADHESIVE

2. FINISH:
SPRING: NICKEL PLATING

3. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

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

5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.

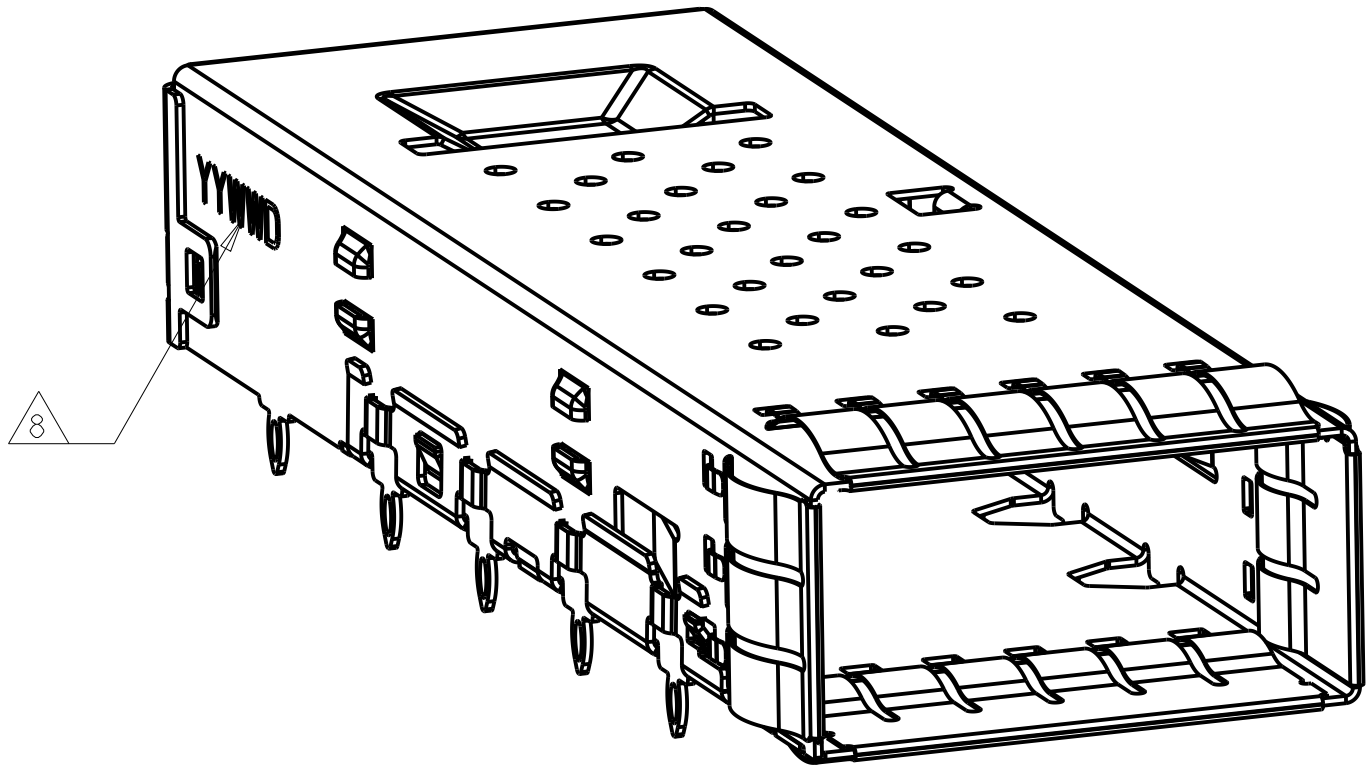
6. MINIMUM PC BOARD THICKNESS: SINGLES SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN

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

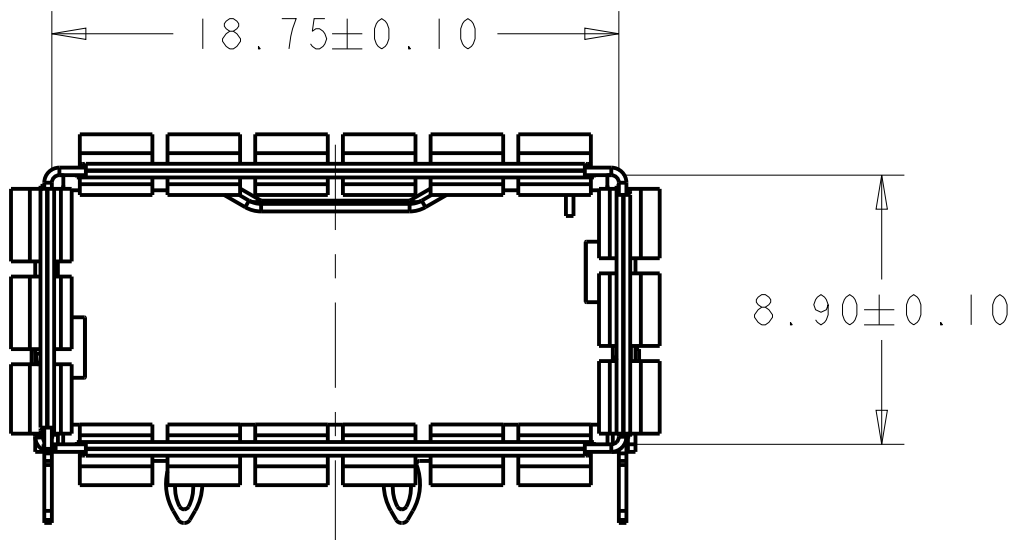
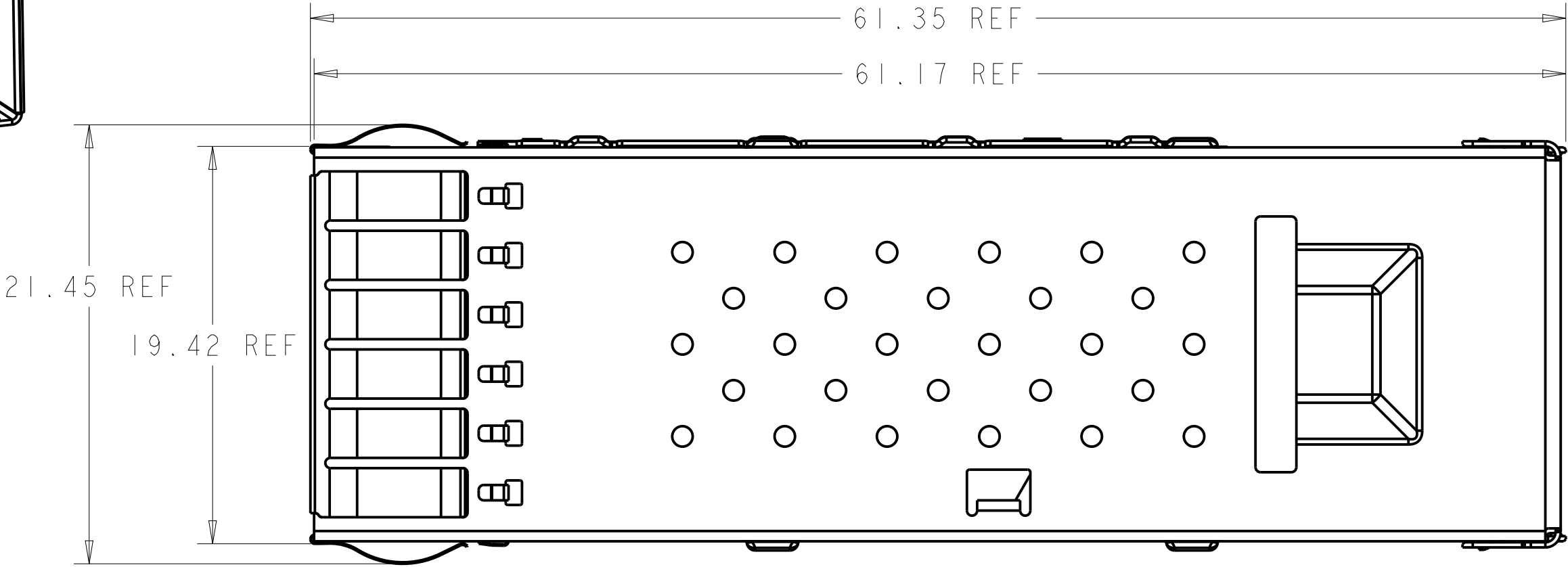
8. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN

9. CUSTOMIZED SCHLEGEL GAP PAD.OP-8800.

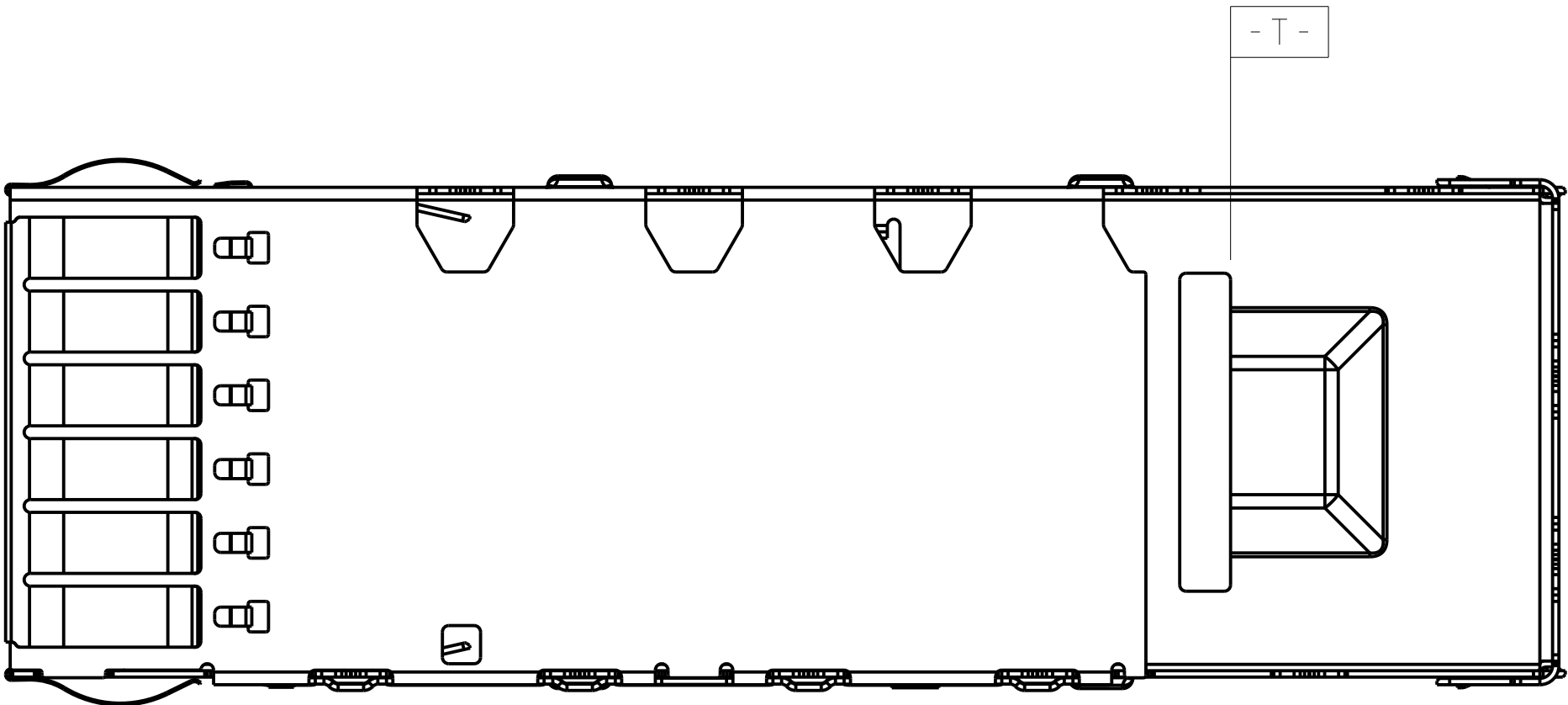
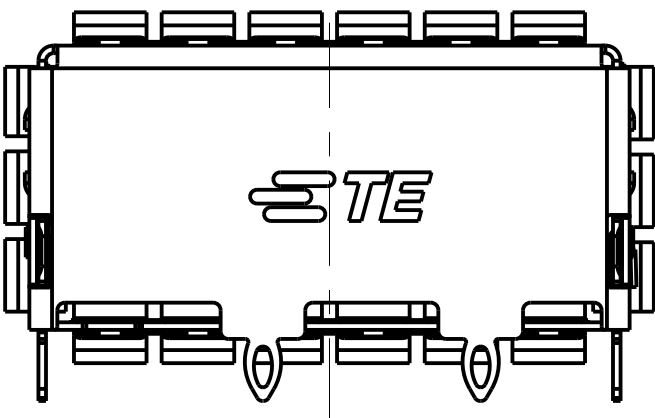
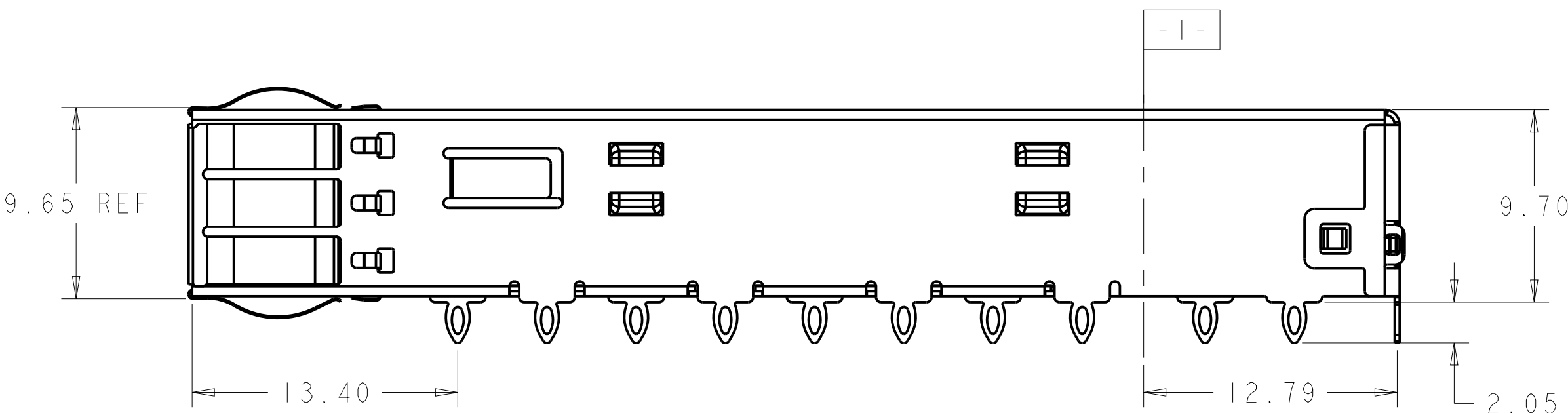
10. CUSTOMIZED PACKING TRAY.



SCALE 4:1



SCALE 4:1



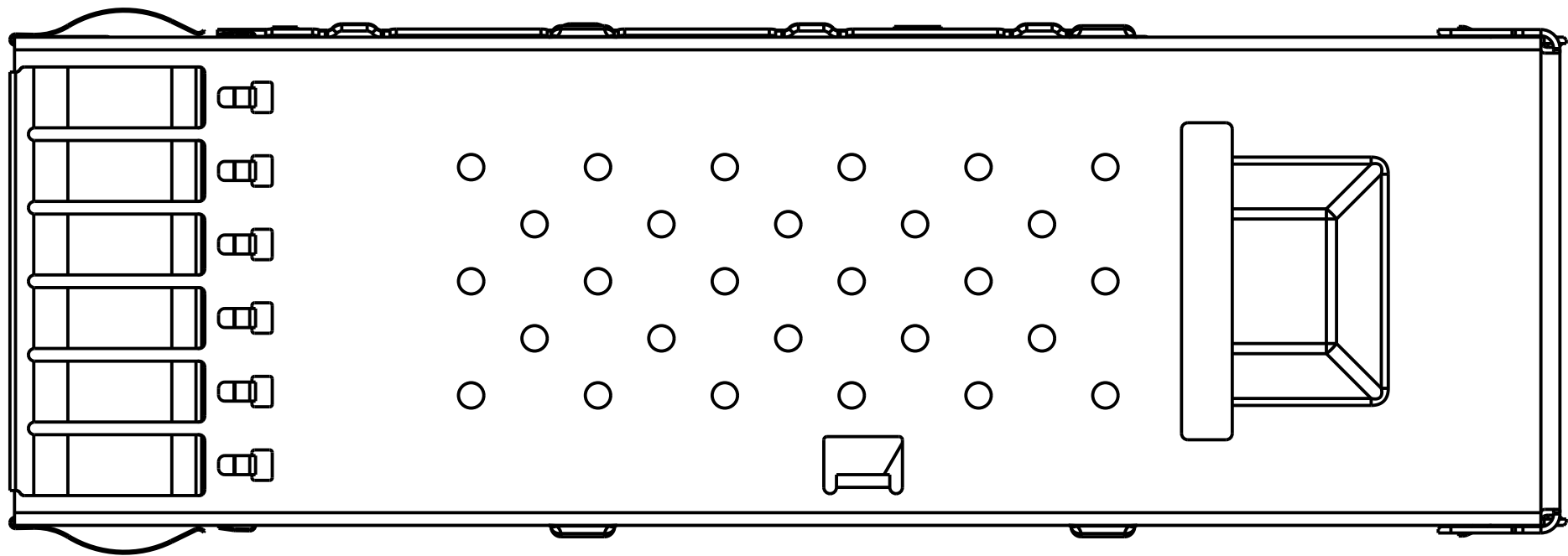
WITHOUT	WITHOUT	WITH	WITH	1	WITHOUT	6-2170703-4
WITH	WITHOUT	WITH	WITHOUT	1	WITHOUT	1-2170703-4
WITHOUT	WITH	WITH	WITHOUT	1	WITH LARGER	4-2170703-6
WITHOUT	WITHOUT	WITH	WITH	0	WITH LARGER	2-2170703-9
WITHOUT	WITHOUT	WITH	WITH	1	WITH LARGER	2-2170703-8
WITHOUT	WITHOUT	WITH	WITHOUT	2	WITH LARGER	1-2170703-0
WITHOUT	WITHOUT	WITH	WITH	1	WITHOUT	5-2170703-4
WITHOUT	WITHOUT	WITH	WITH	2	WITH STANDARD	5-2170703-2
WITHOUT	WITHOUT	WITHOUT	WITHOUT	0	WITH STANDARD	2-2170703-7
WITHOUT	WITHOUT	WITH	WITHOUT	1	WITH LARGER	2-2170703-6
WITHOUT	WITHOUT	WITH	WITHOUT	0	WITH STANDARD	2170703-7
WITHOUT	WITHOUT	WITH	WITHOUT	1	WITH STANDARD	2170703-6
WITHOUT	WITHOUT	WITH	WITHOUT	0	WITHOUT	2170703-5
WITHOUT	WITHOUT	WITH	WITHOUT	1	WITHOUT	2170703-4
WITHOUT	WITHOUT	WITH	WITHOUT	2	WITH STANDARD	2170703-2
WITHOUT	WITHOUT	WITH	WITHOUT	2	WITHOUT	2170703-1
COPPER FOIL	THERMAL PAD	SPRING FINGER	INSULATING TAPE OPTION	# REAR PINS	HEAT SINK OPEN	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.25 1 PLC ± 0.25 2 PLC ± 0.25 3 PLC ± 0.20 4 PLC ± 0.100 ANGLES ± ° FINISH -		DWG. JASON YANG 23SEP2013 CHK. SEAN HAN 29JAN2016 APVD -		NAME CAGE ASSEMBLY, QSFP28 1X1,THRU BEZEL WITH EMI SPRING FINGER	
MATERIAL -		WEIGHT -		RESTRICTED CUSTOMER		SIZE CAGE CODE DRAWING NO. A100779C= 2170703	
RESTRICTED CUSTOMER		SCALE 2:1		SHEET 1 OF 7		REV D1	

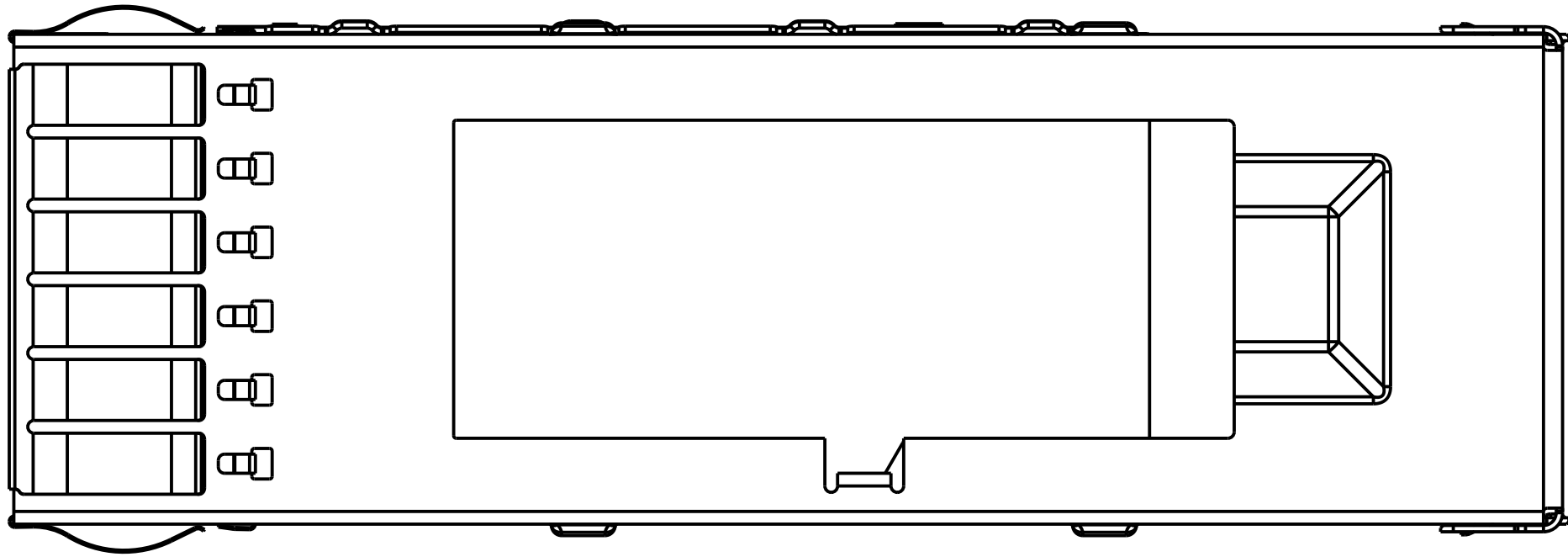
2170703-1 AS SHOWN

REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-

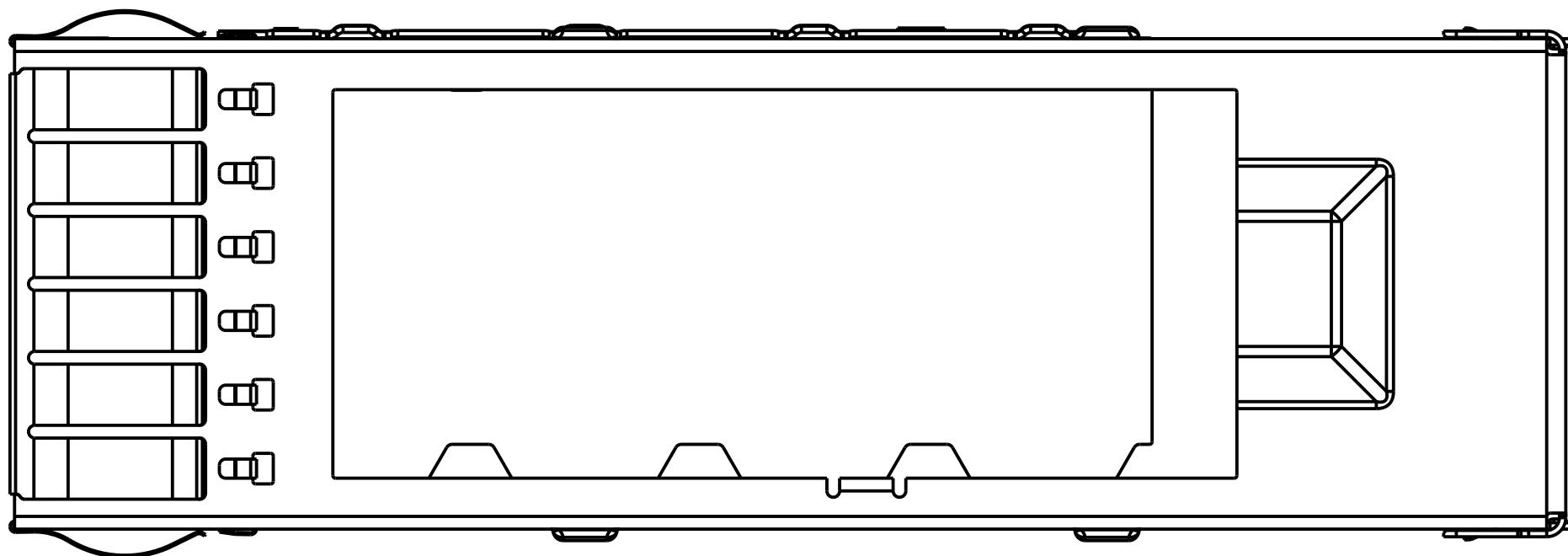
HEAT SINK OPEN OPTIONS



WITHOUT HEAT SINK OPEN
SCALE 4:1

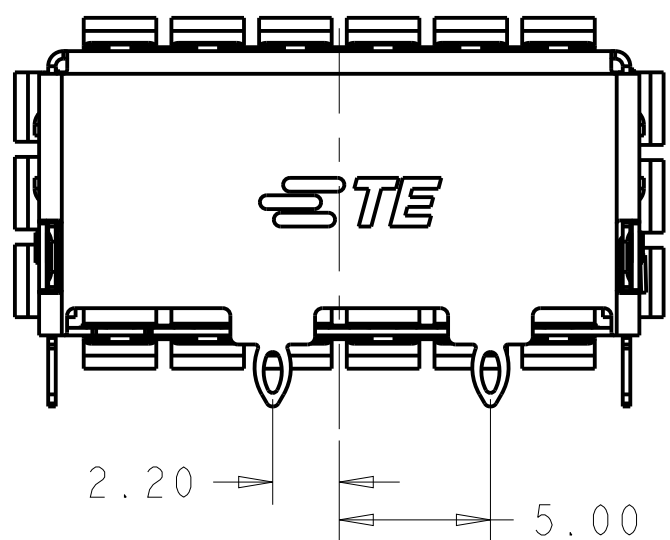


WITH STANDARD HEAT SINK OPEN (30.7X12.5)
SCALE 4:1

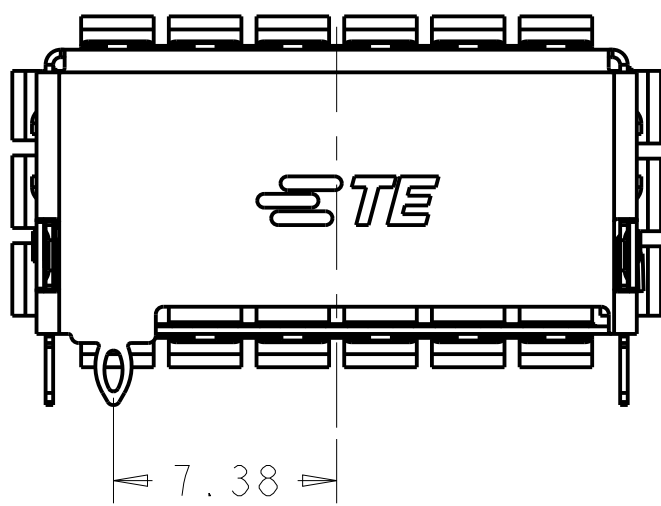


WITH LARGER HEAT SINK OPEN (35.5X15.25)
SCALE 4:1

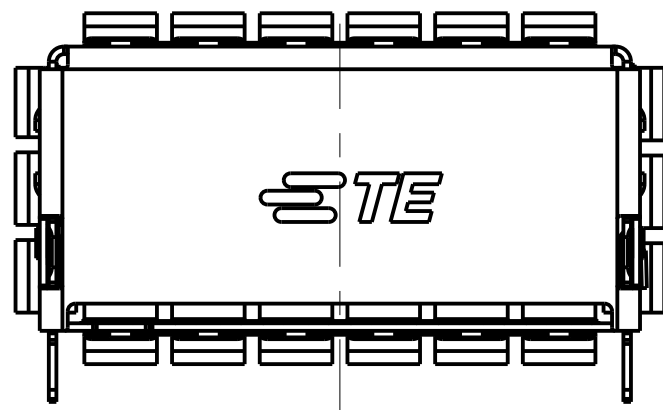
OF REAR LEGS OPTIONS



2 REAR LEGS VERSION
SCALE 4:1

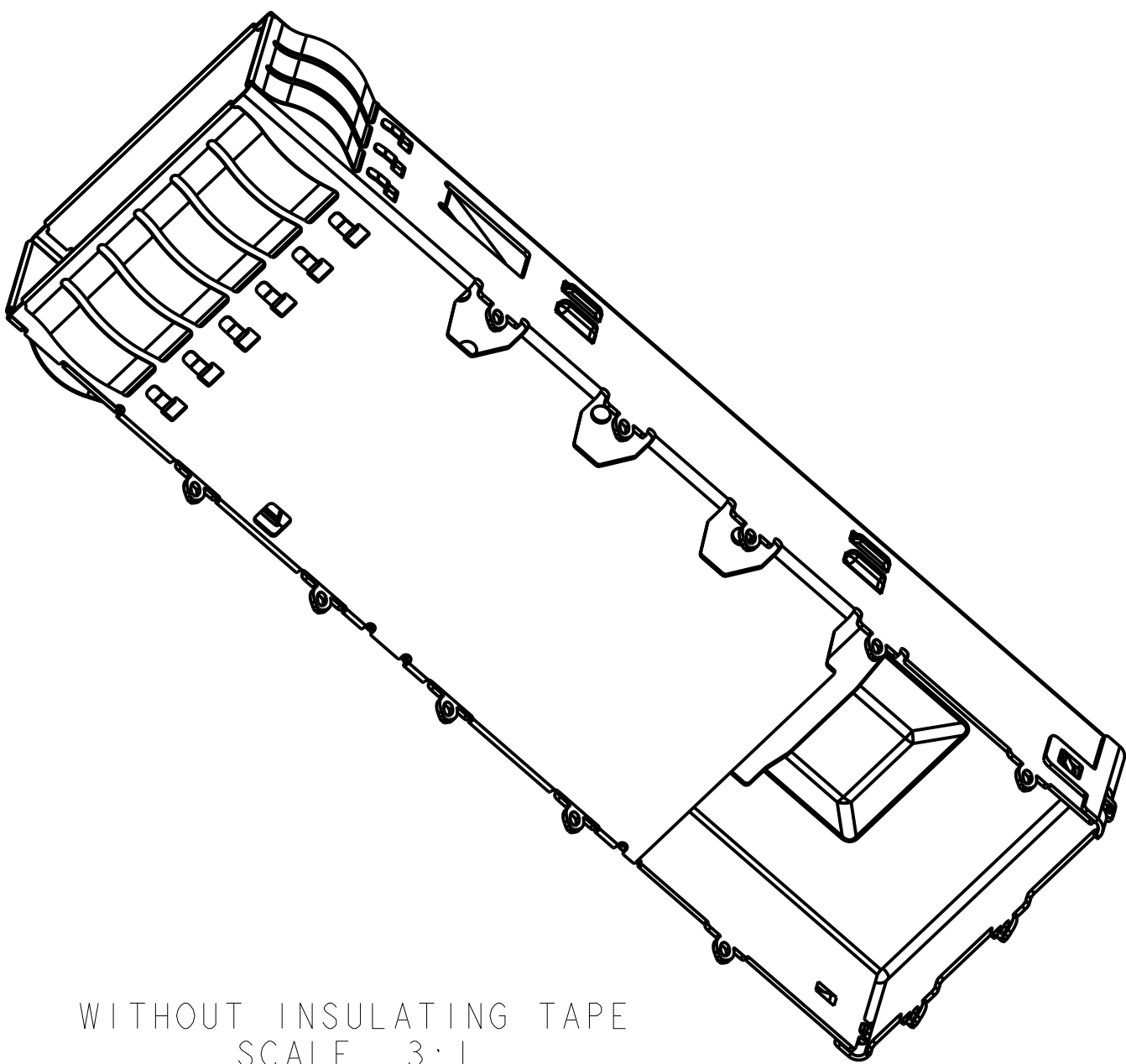


1 REAR LEG VERSION
SCALE 4:1

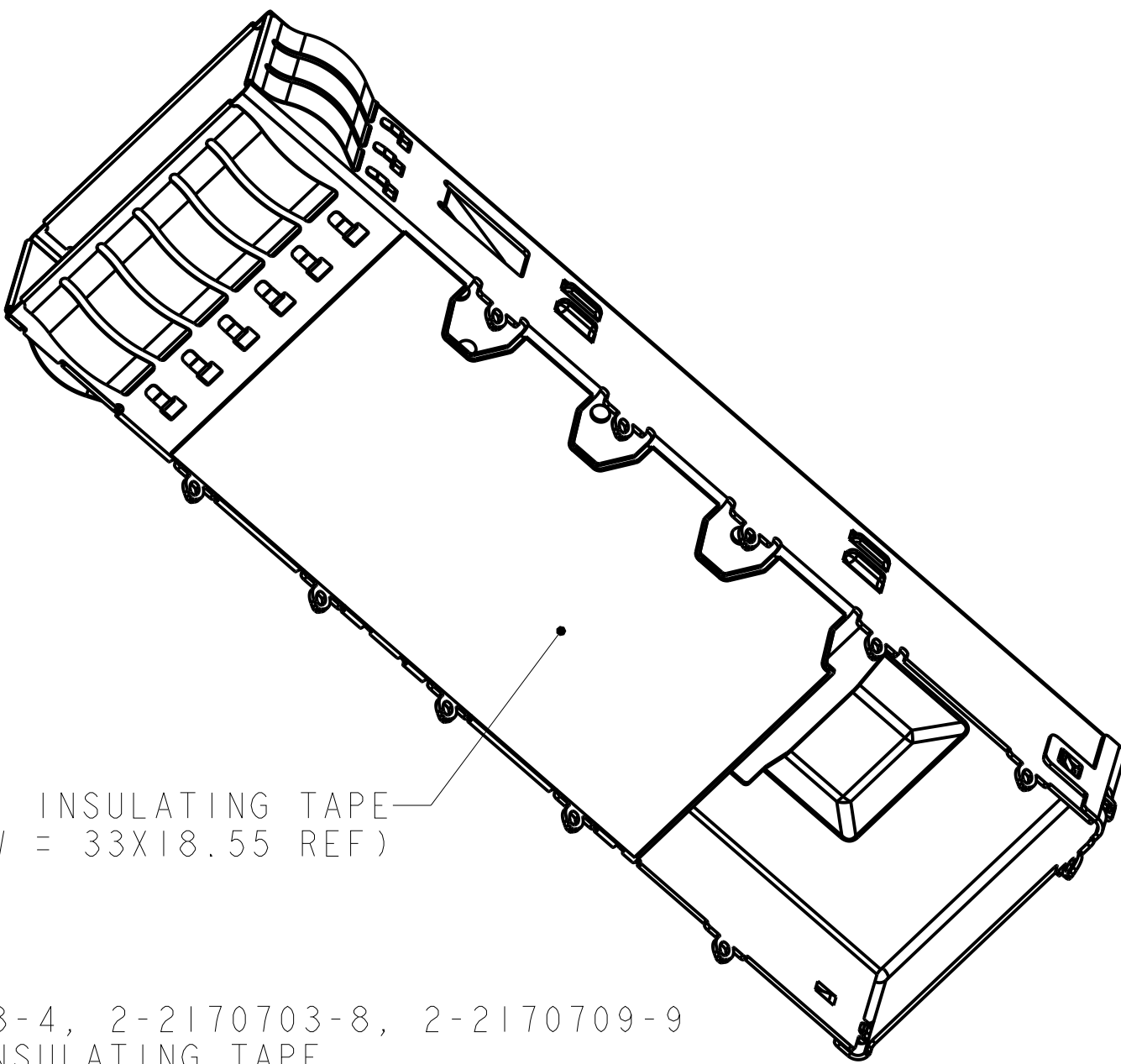


0 REAR LEG VERSION
SCALE 4:1

INSULATING TAPE OPTIONS



WITHOUT INSULATING TAPE
SCALE 3:1



INSULATING TAPE
(LXW = 33X18.55 REF)

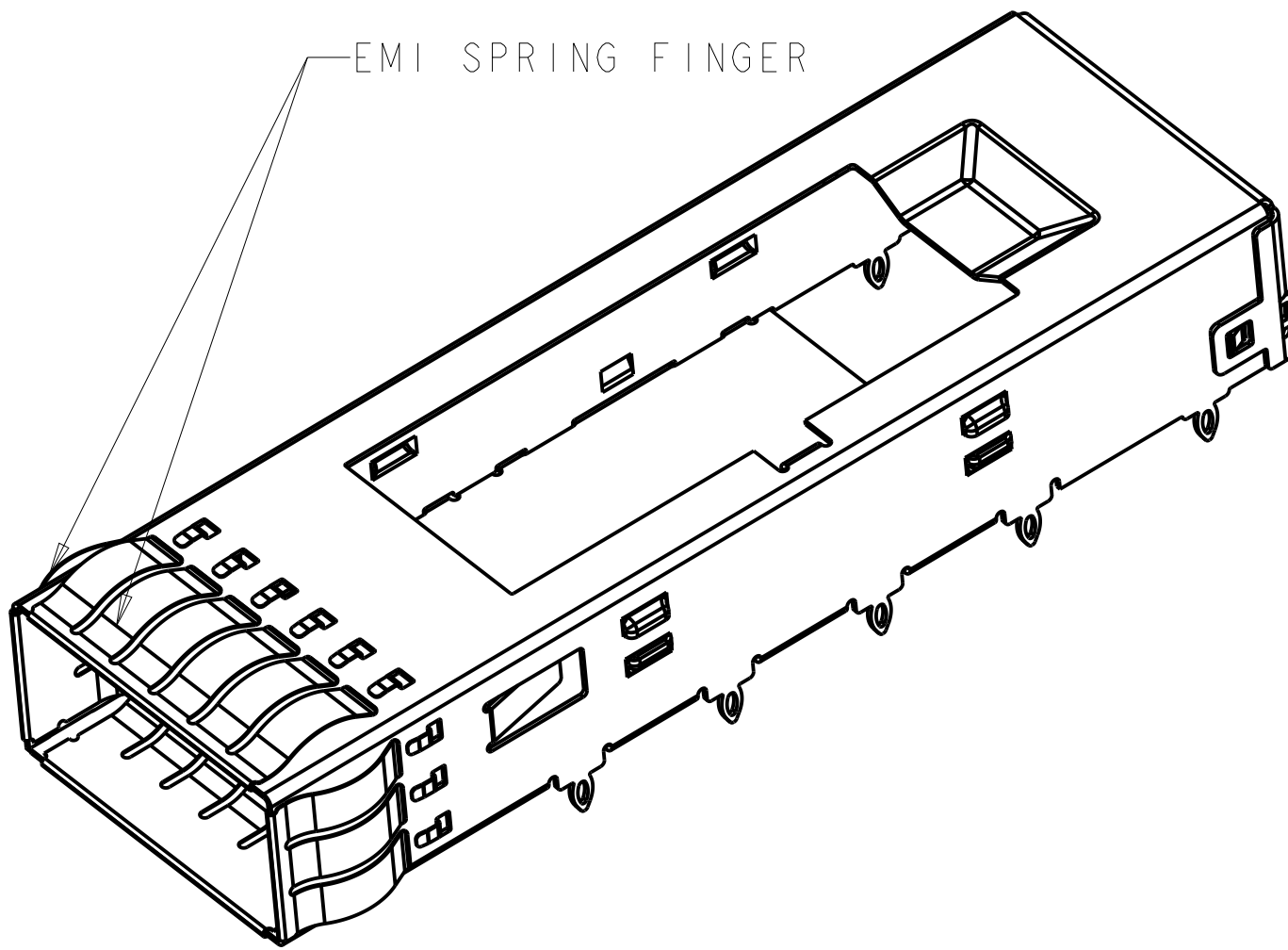
5-2170703-2, 5-2170703-4, 2-2170703-8, 2-2170709-9
WITH INSULATING TAPE
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 23SEP2013	 TE Connectivity	
		CHK: SEAN HAN 29JAN2016		
DIMENSIONS:		APVD: -	NAME: CAGE ASSEMBLY, OSFP28 1X1, THRU BEZEL WITH EMI SPRING FINGER	
mm		PRODUCT SPEC: 108-19428	SIZE: A	
		APPLICATION SPEC: 114-32023	CAGE CODE: 00779	
		WEIGHT: -	DRAWING NO: 2170703	
MATERIAL: -		RESTRICTED CUSTOMER	RESTRICTED TO: -	
		SCALE: 2:1	SHEET 2 OF 7	
			REV: D1	

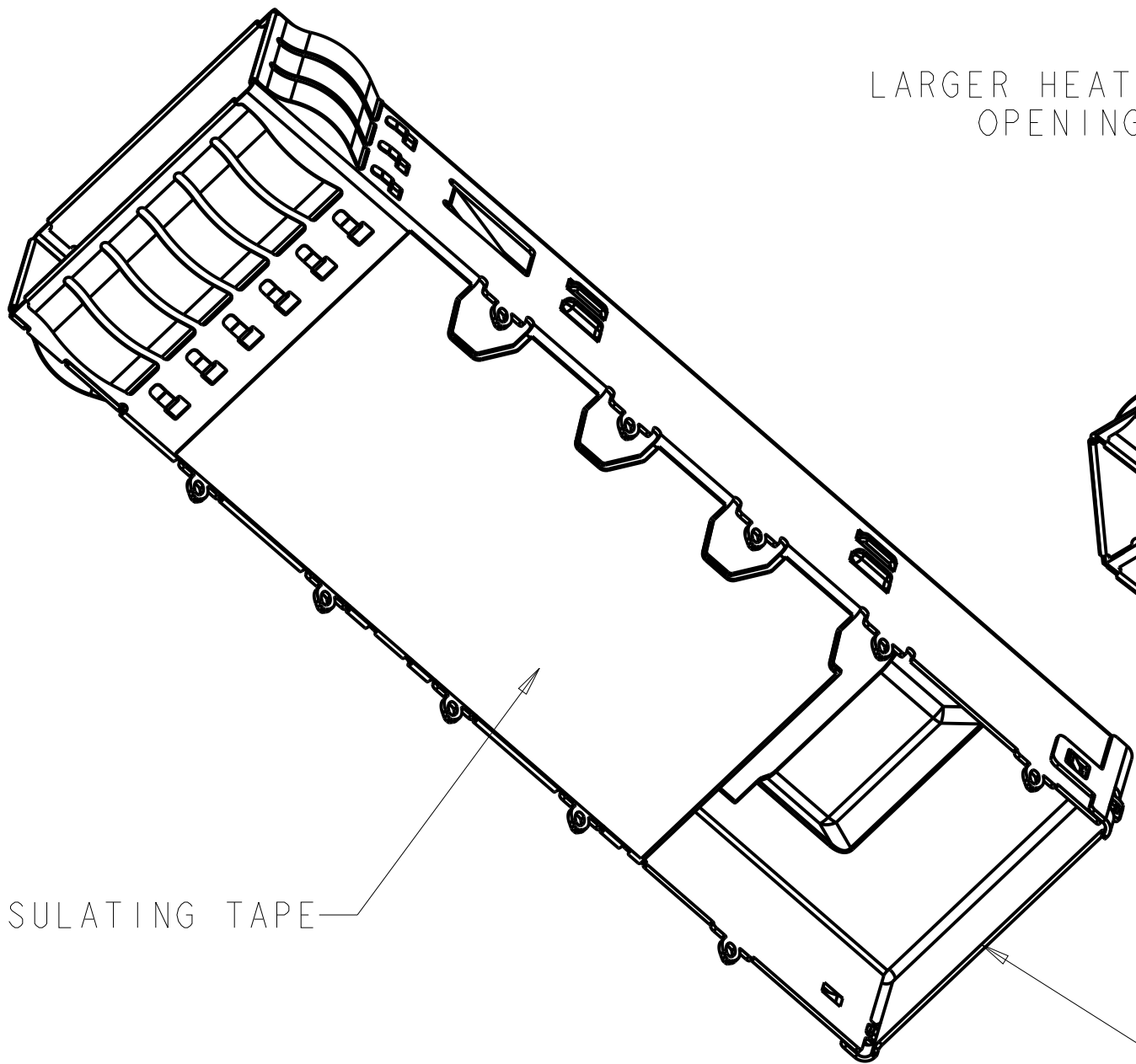
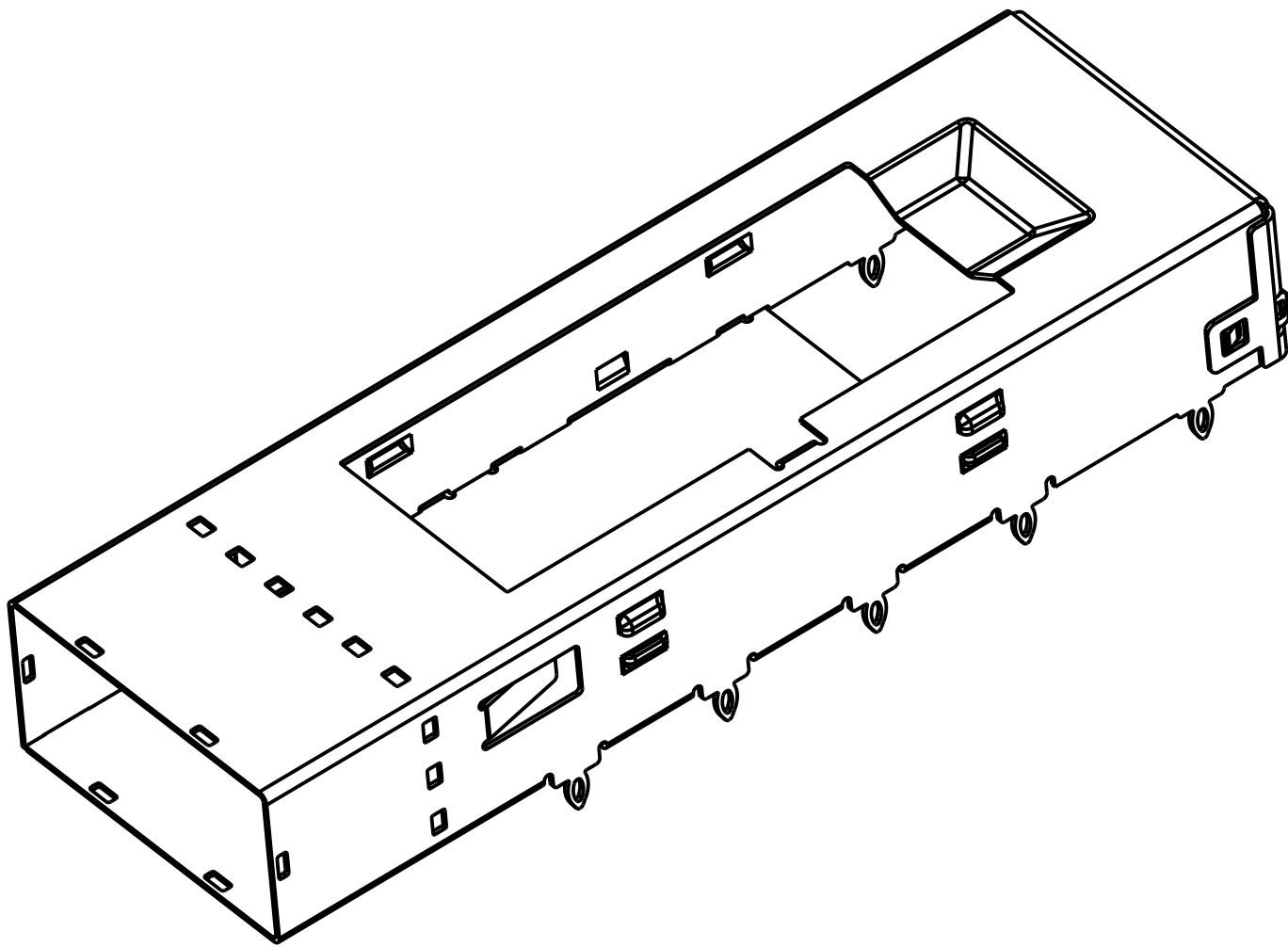
REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-

SPRING FINGER OPTIONS

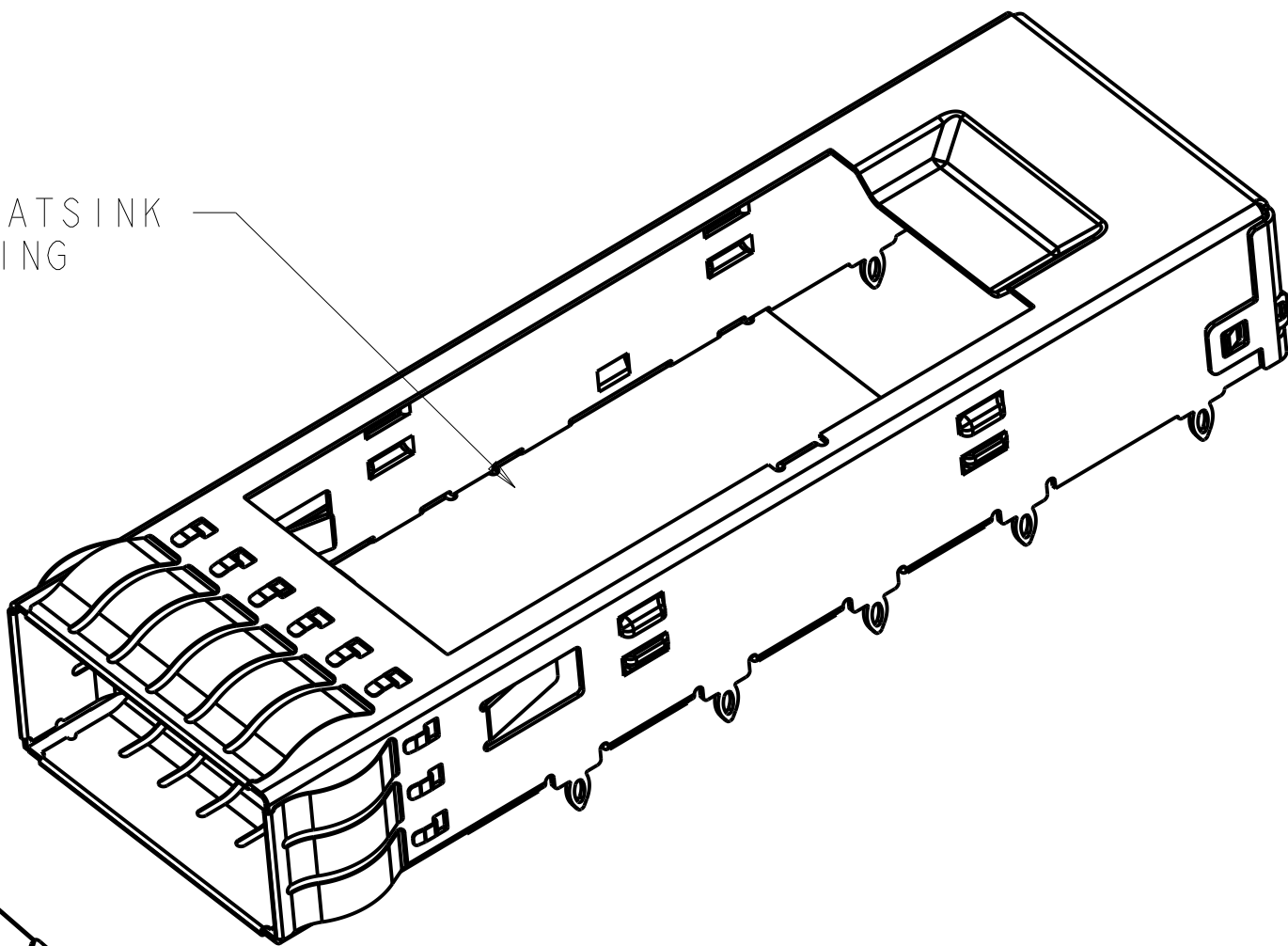
2-2170703-9



WITH EMI SPRING FINGER
SCALE 3:1



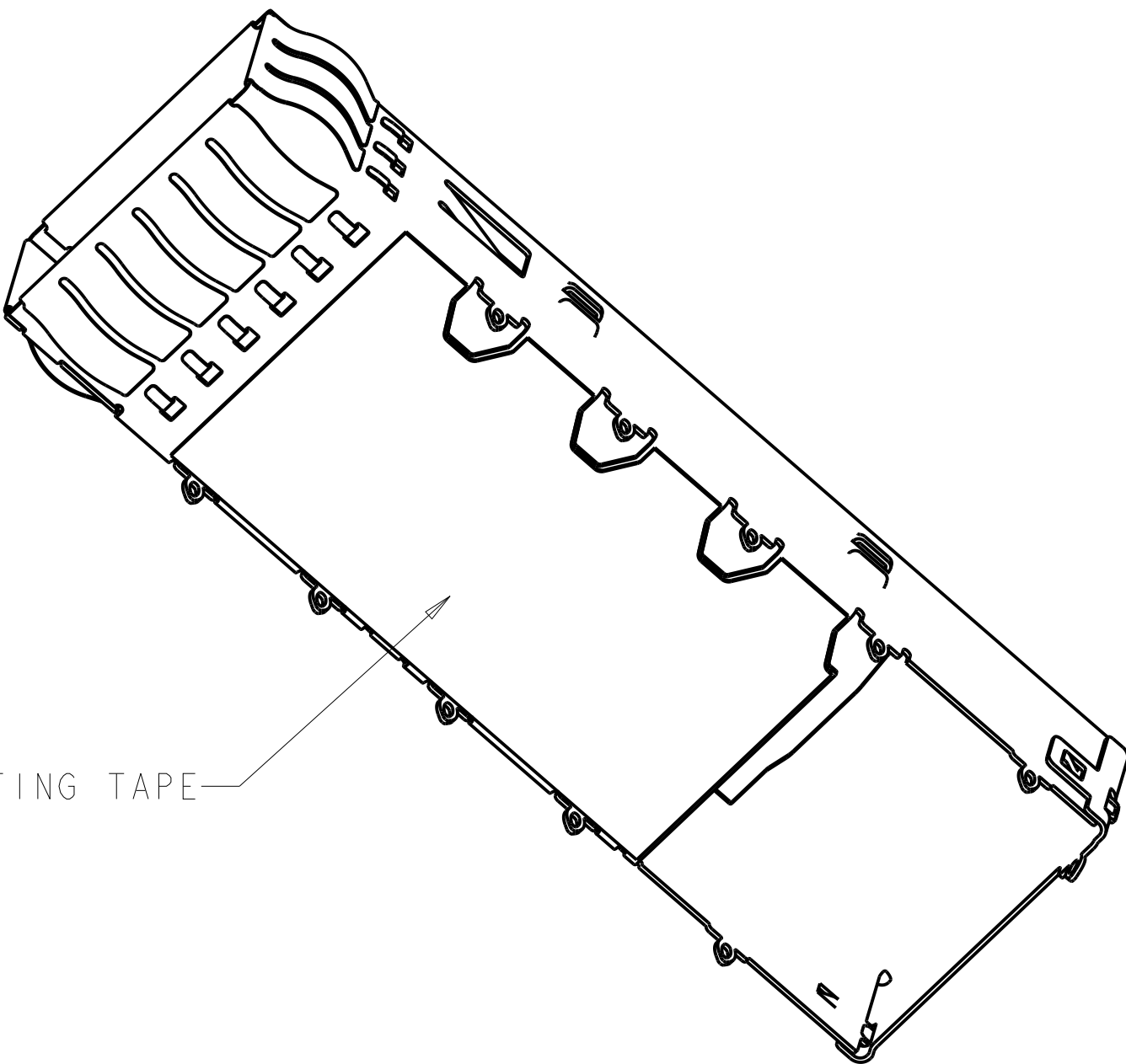
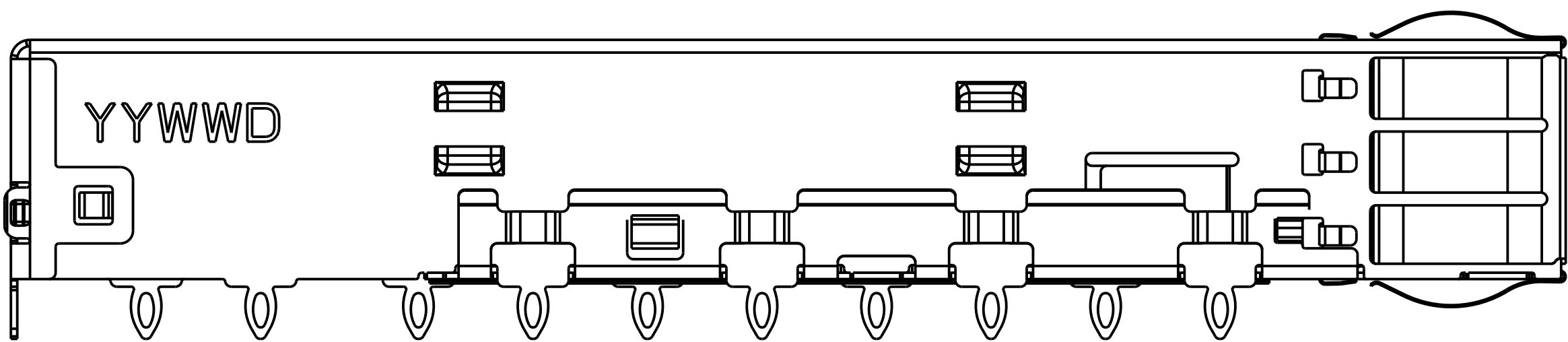
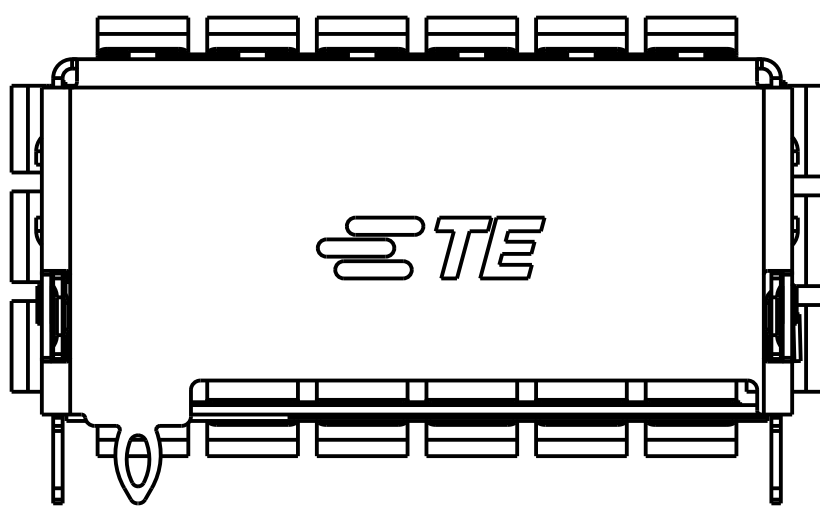
SCALE 3:1



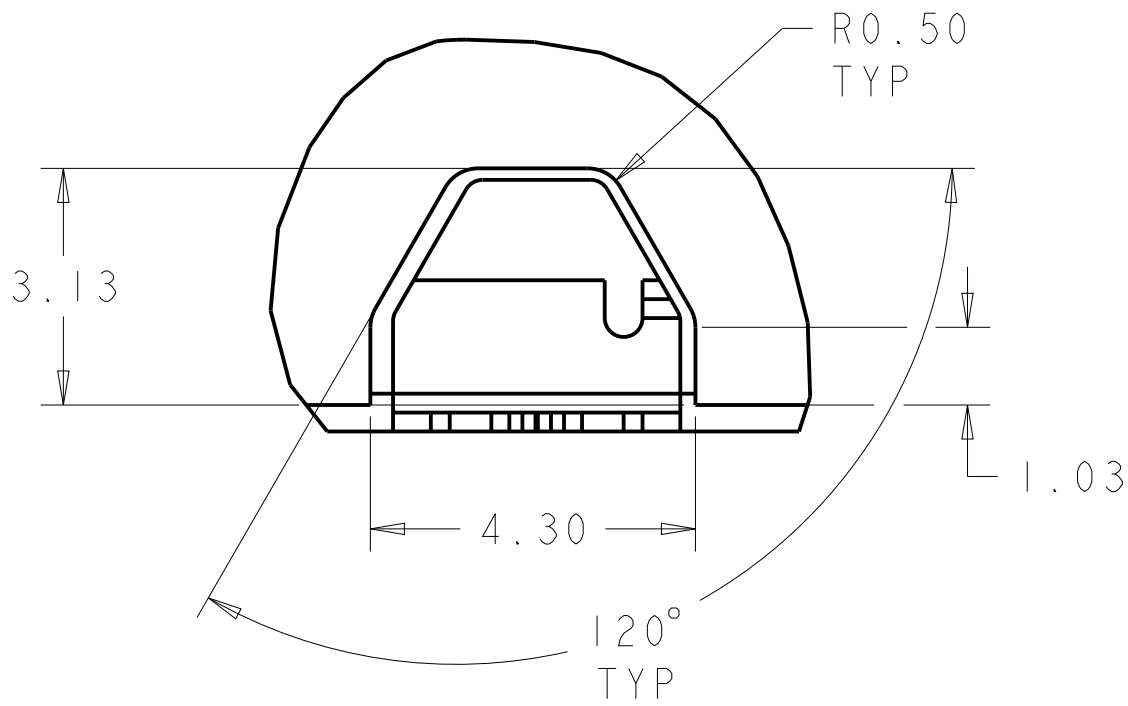
SCALE 3:1

WITHOUT REAR EONS

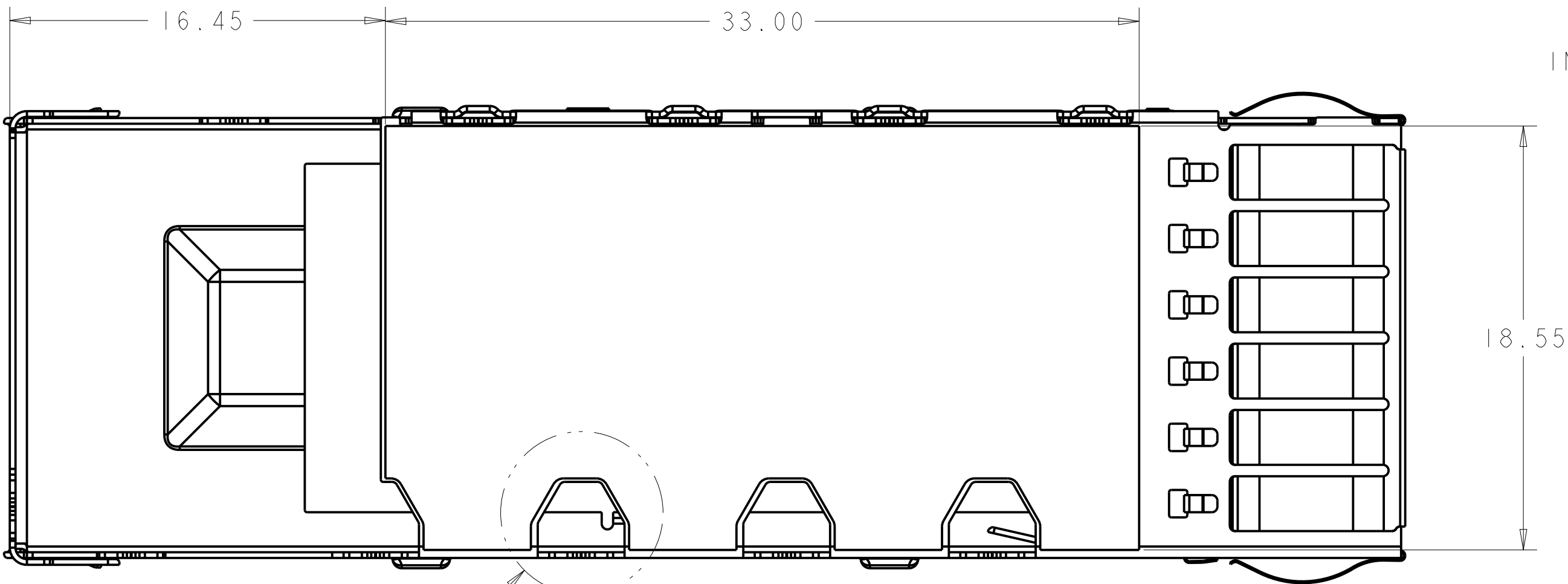
2-2170703-8



SCALE 3:1



DETAIL A
SCALE 10:1

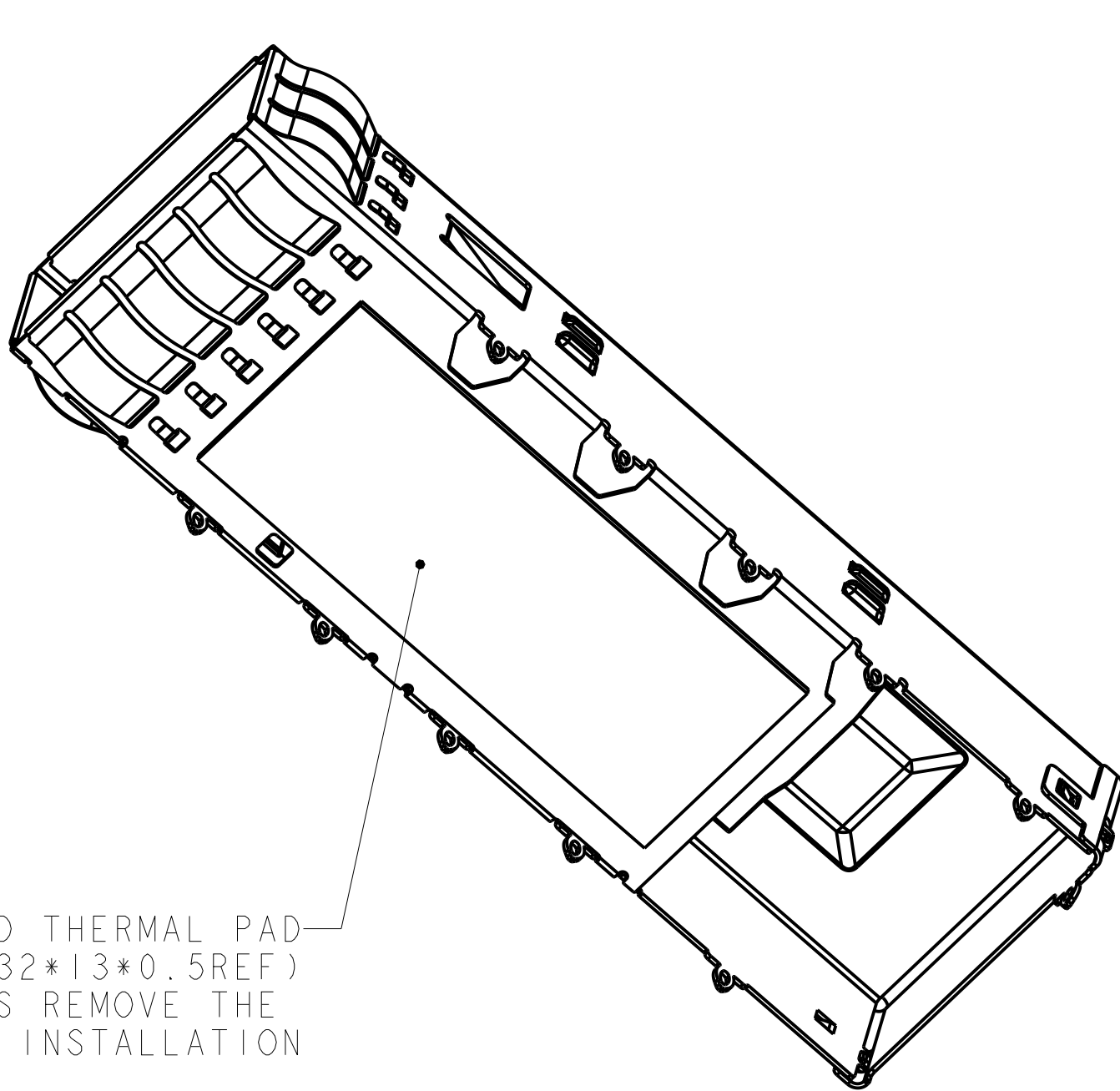


SEE DETAIL A

NOTE: 2-2170703-8 DIMENSIONS MARKED ARE FOR INSULATING TAPE

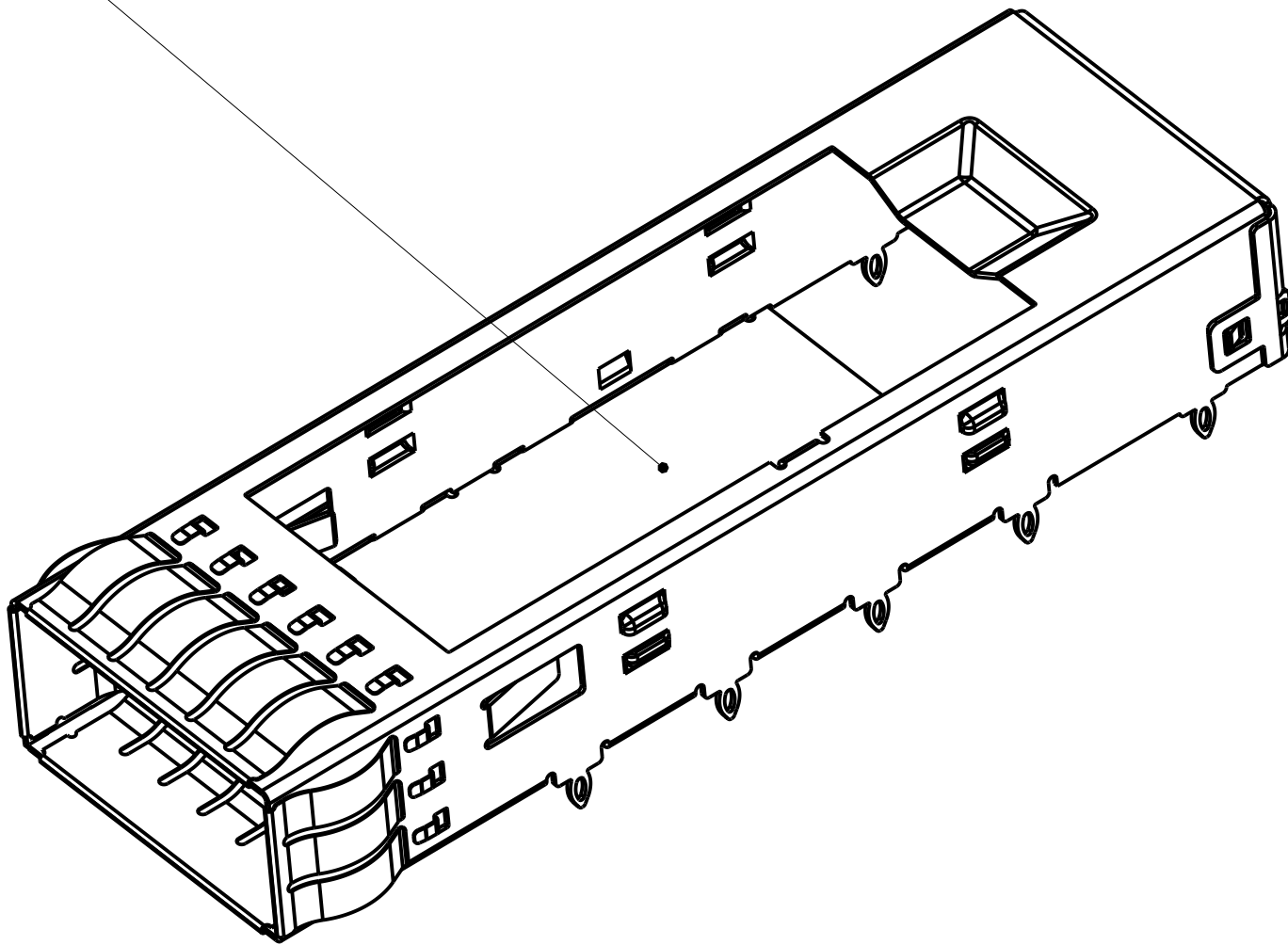
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. JASON YANG 23SEP2013	TE Connectivity
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK. SEAN HAN 29JAN2016	
DIMENSIONS:	mm	PRODUCT SPEC	NAME
0 PLC	± 0.25	108-19428	CAGE ASSEMBLY, OSFP28 1X1, THRU
1 PLC	± 0.25	APPLICATION SPEC	BEZEL WITH EMI SPRING FINGER
2 PLC	± 0.20	114-32023	SIZE
3 PLC	± 0.100	WEIGHT	CAGE CODE
4 PLC	± 0.100	RESTRICTED CUSTOMER	DRAWING NO.
ANGLES	± 0.100	SCALE 2:1	SHEET 3 OF 7
FINISH	-	REV D1	

REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-



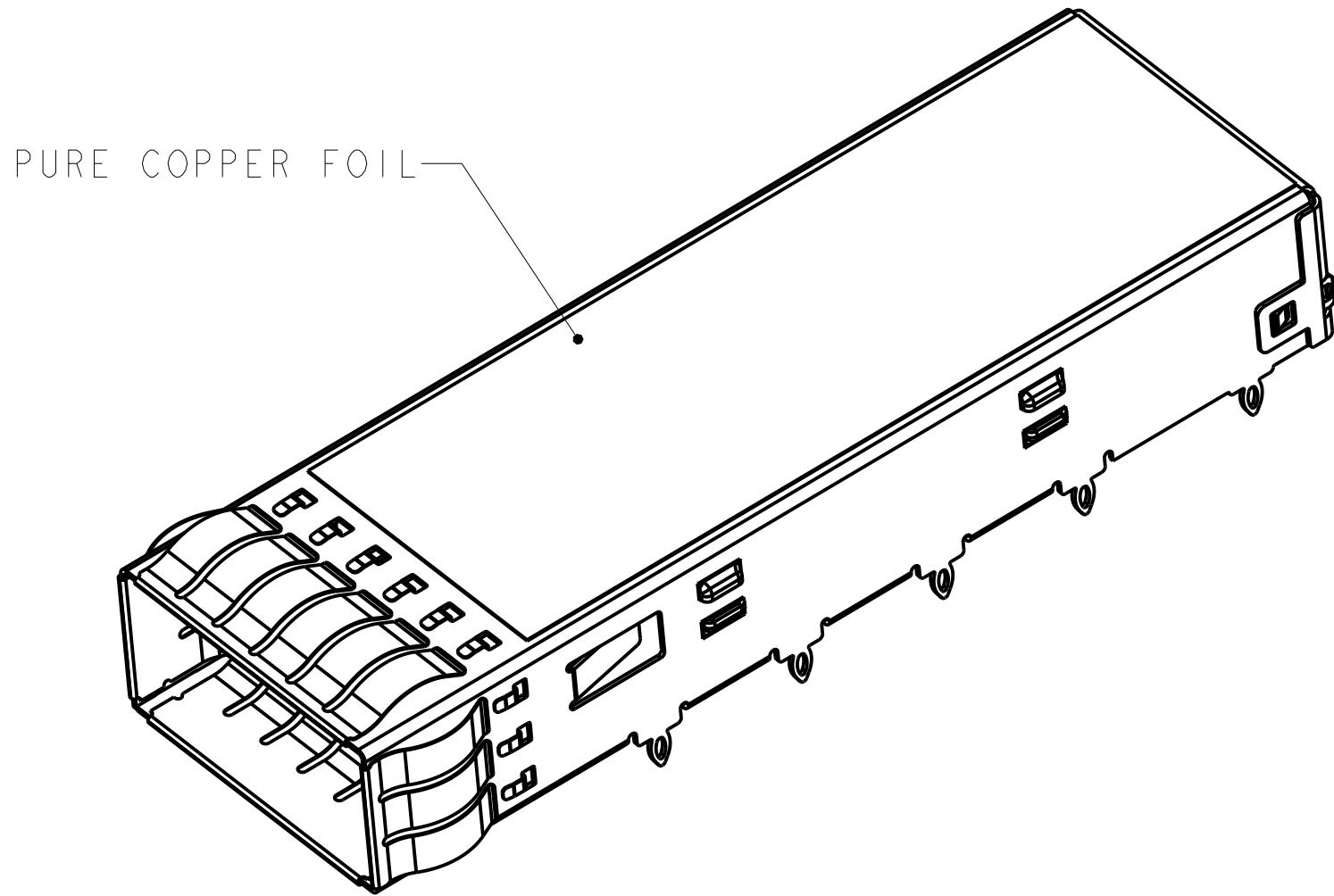
CUSTOMIZED THERMAL PAD
(LXWXH=32*13*0.5REF)
NOTES: PLS REMOVE THE
TRANSPARENT FILM BEFORE INSTALLATION

SCALE 3:1

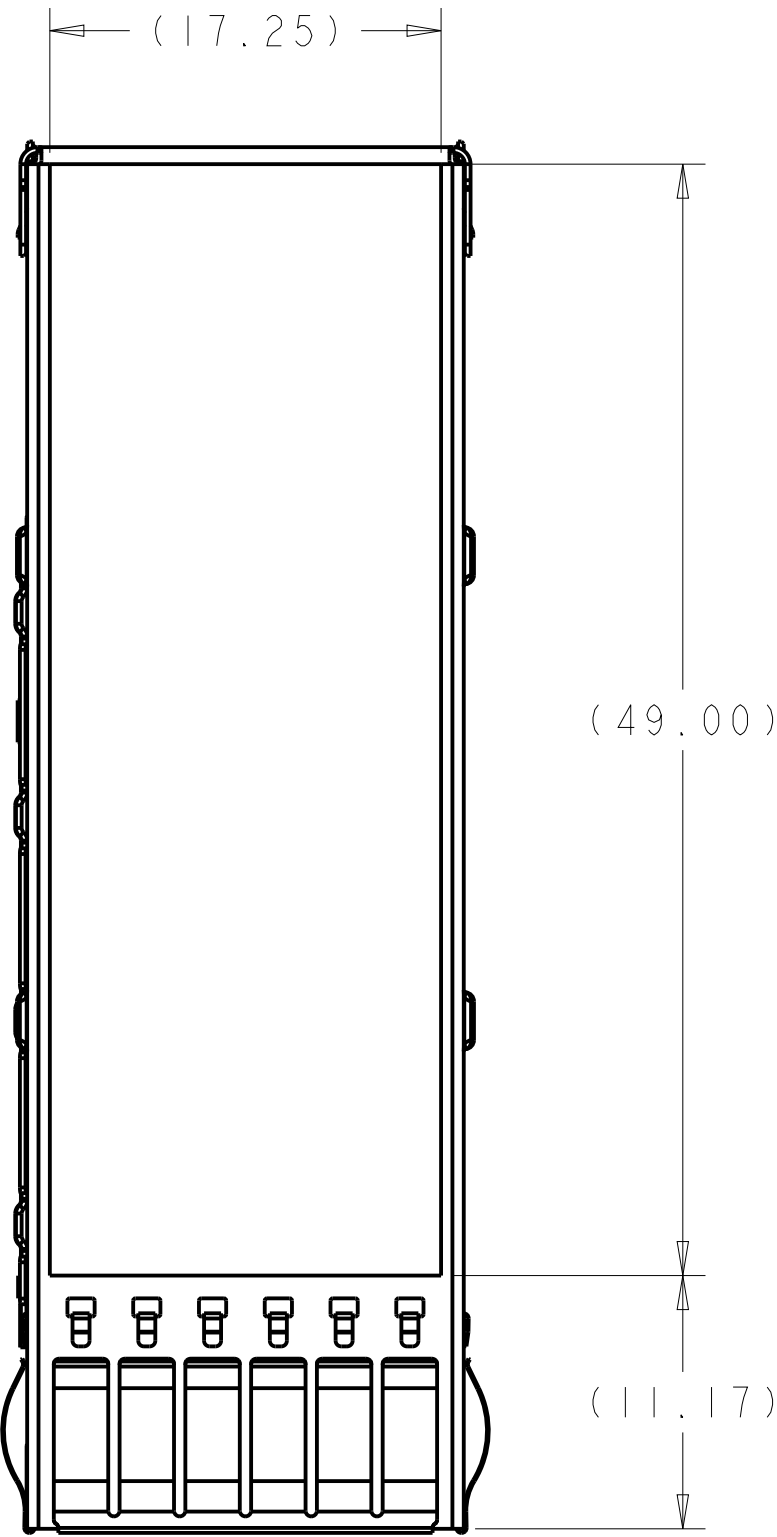


4-2170703-6 AS SHOWN
SAME AS 2-2170703-6 EXCEPT WITH THERMAL PAD
SCALE 3:1

PURE COPPER FOIL OPTIONS



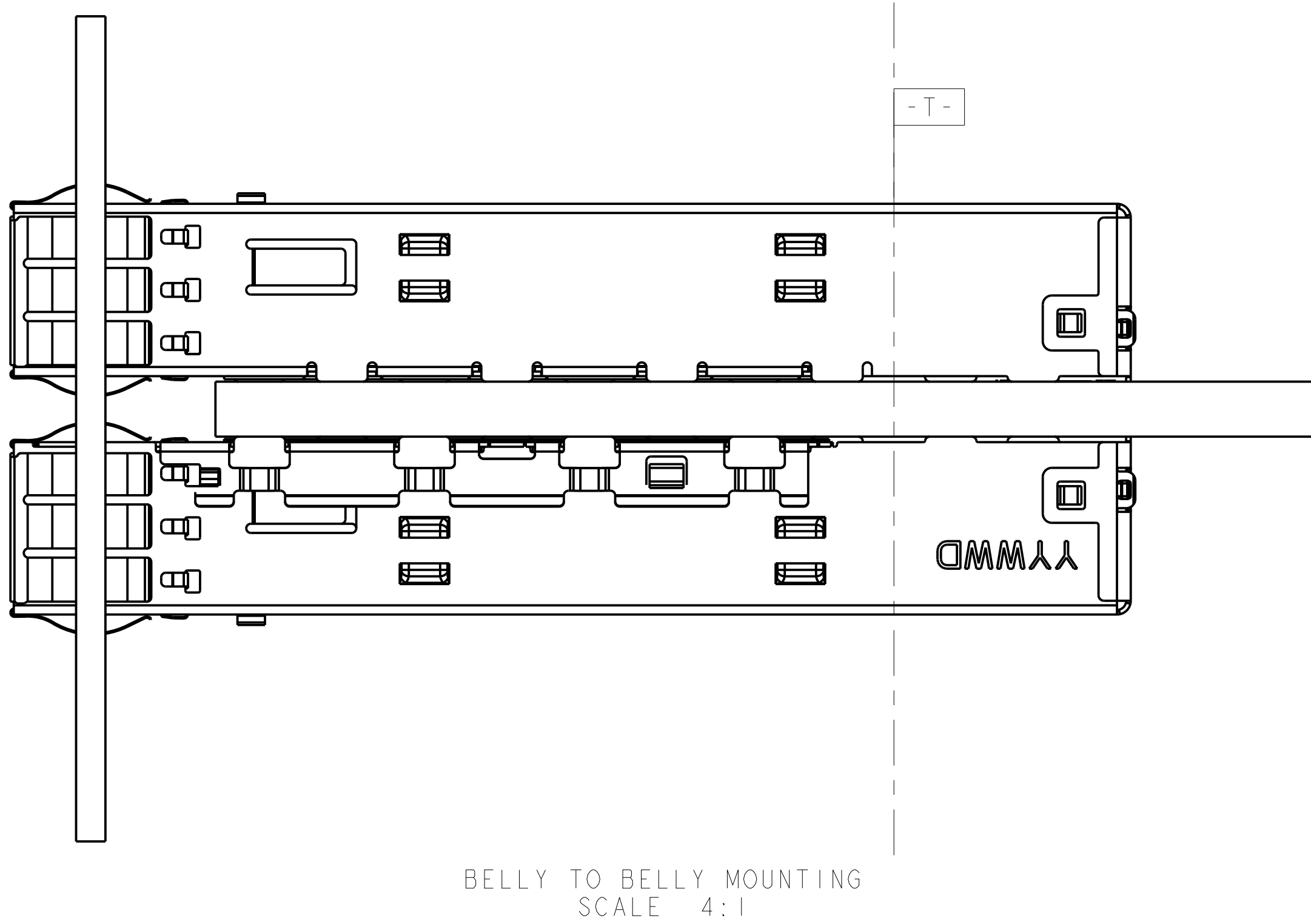
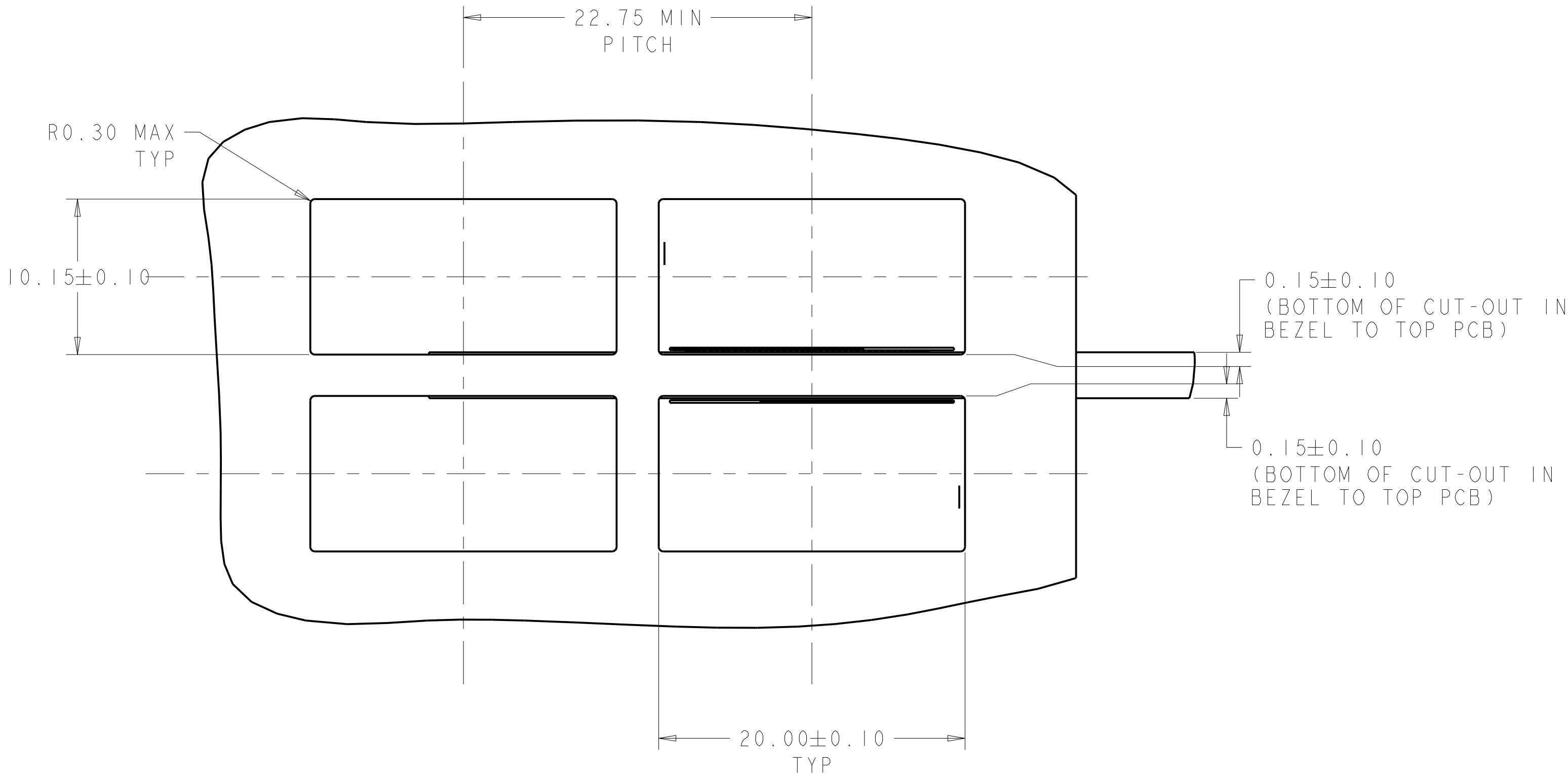
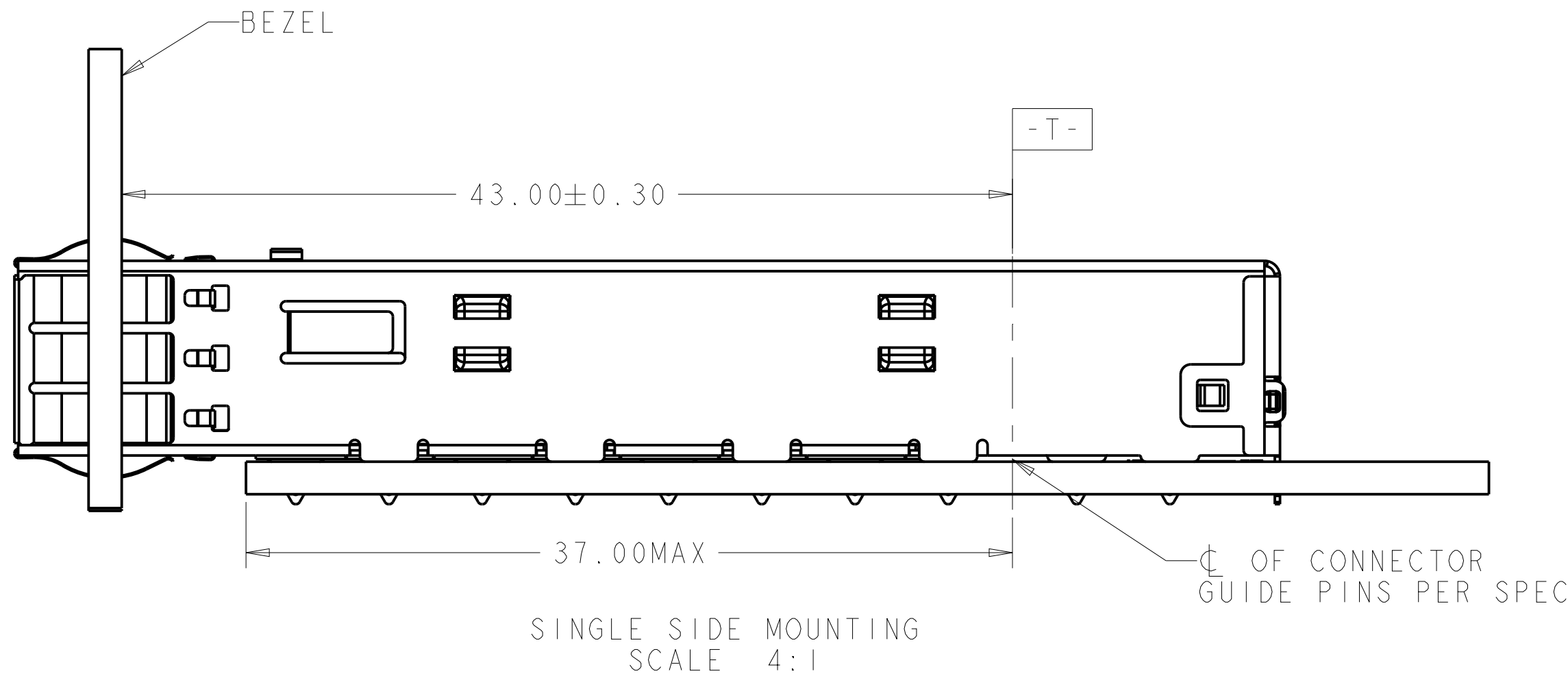
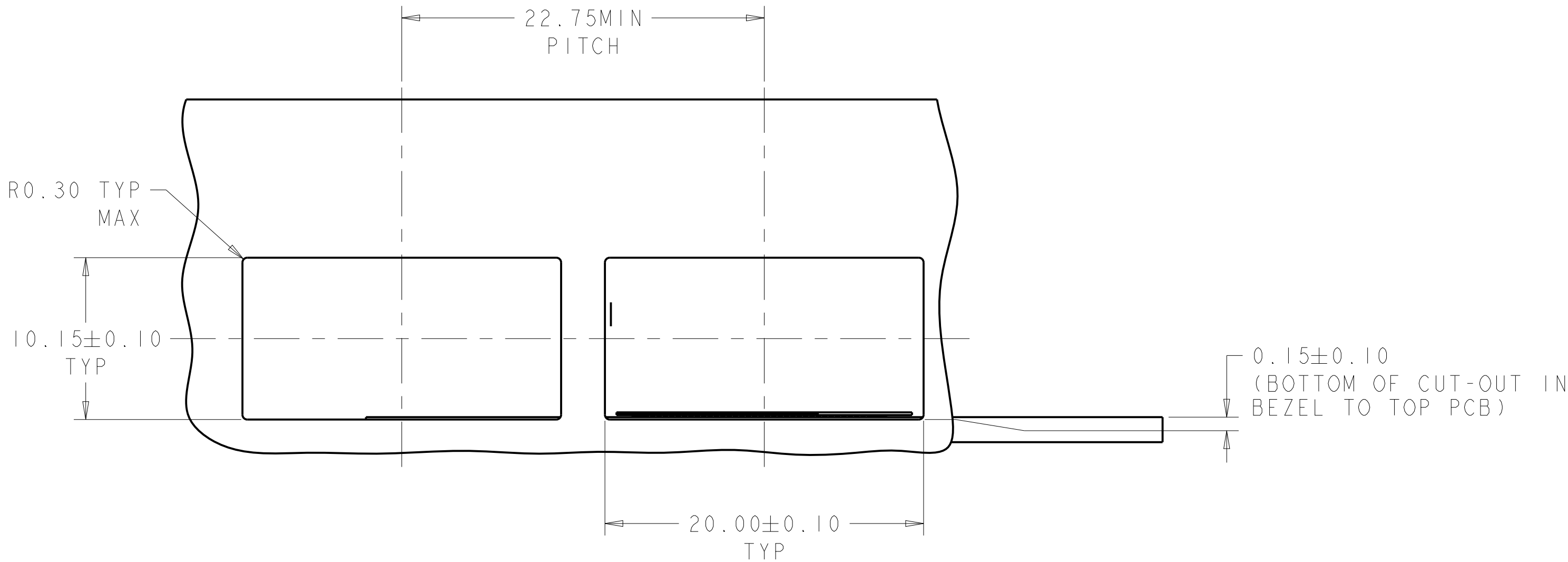
1-2170703-4
SCALE 3:1



SCALE 3:1

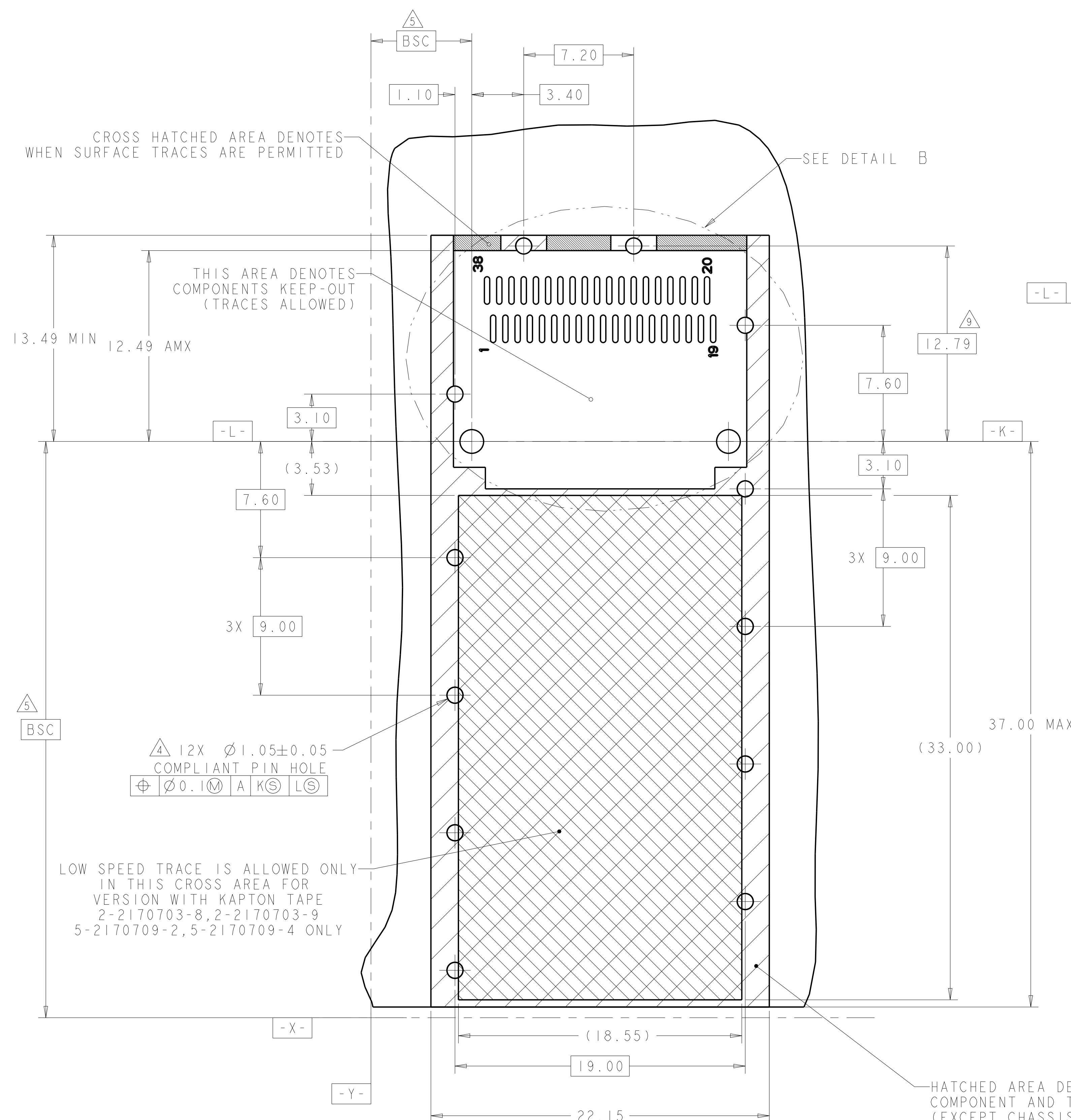
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. JASON YANG 23SEP2013	 TE Connectivity	
		CHK. SEAN HAN 29JAN2016		
DIMENSIONS:		PRODUCT SPEC	NAME CAGE ASSEMBLY, OSFP28 1X1, THRU BEZEL WITH EMI SPRING FINGER	
mm		108-19428		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO. RESTRICTED TO	
0 PLC ± 0.25		114-32023		
1 PLC ± 0.25		WEIGHT	A100779C= 2170703	
2 PLC ± 0.20		RESTRICTED CUSTOMER		
3 PLC ± 0.100		SCALE 2:1	SHEET 4 OF 7	
4 PLC ± -		REV D1		
ANGLES				
FINISH				

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

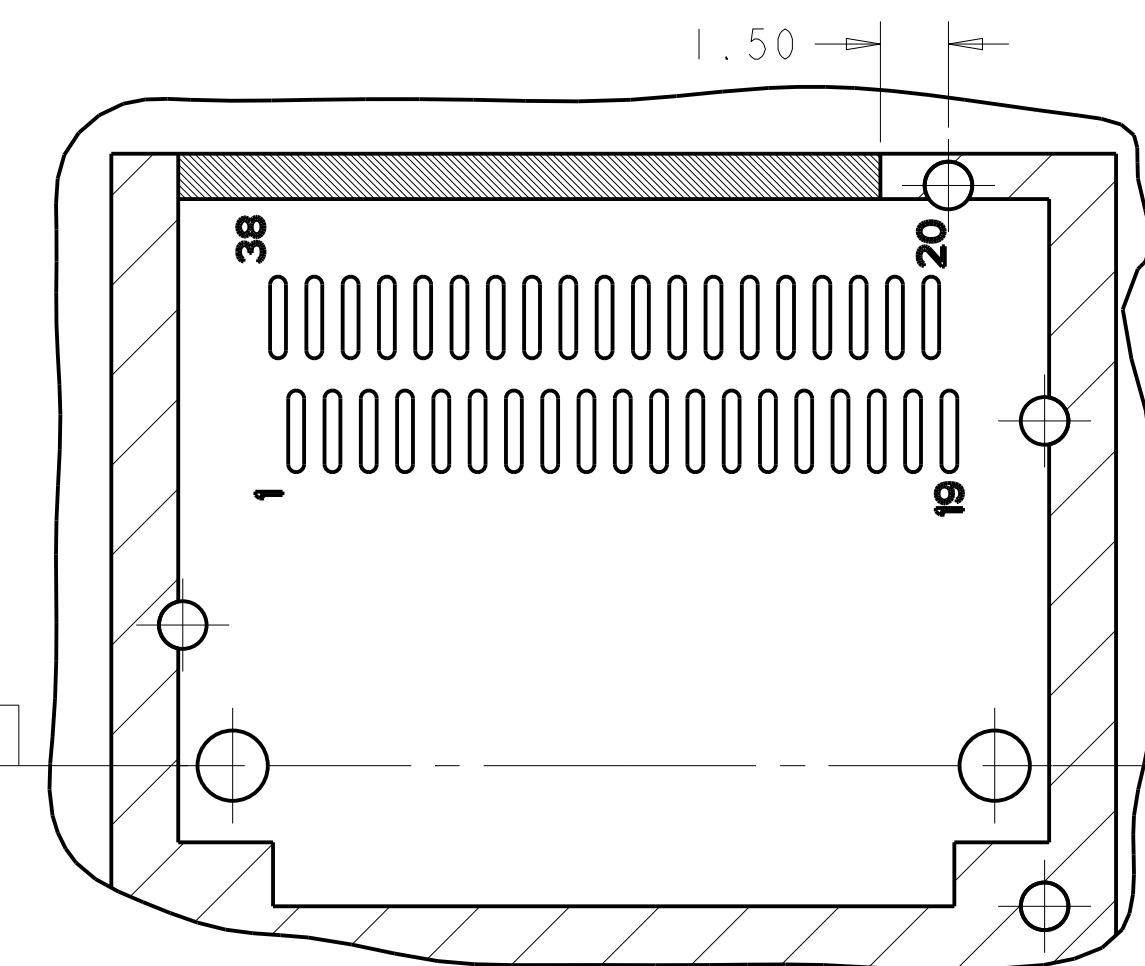


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 23SEP2013	TE Connectivity	
		CHK: SEAN HAN 29JAN2016		
DIMENSIONS:		APVD: -	NAME: CAGE ASSEMBLY, OSFP28 1X1, THRU BEZEL WITH EMI SPRING FINGER	
mm		PRODUCT SPEC: 108-19428	SIZE: CAGE CODE: DRAWING NO: 2170703	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC: 114-32023	RESTRICTED TO: 5 OF 7	
0 PLC ± 0.25		WEIGHT: -	REV: D1	
1 PLC ± 0.25		RESTRICTED CUSTOMER		
2 PLC ± 0.25				
3 PLC ± 0.20				
4 PLC ± 0.100				
ANGLES ± -				
FINISH ± -				

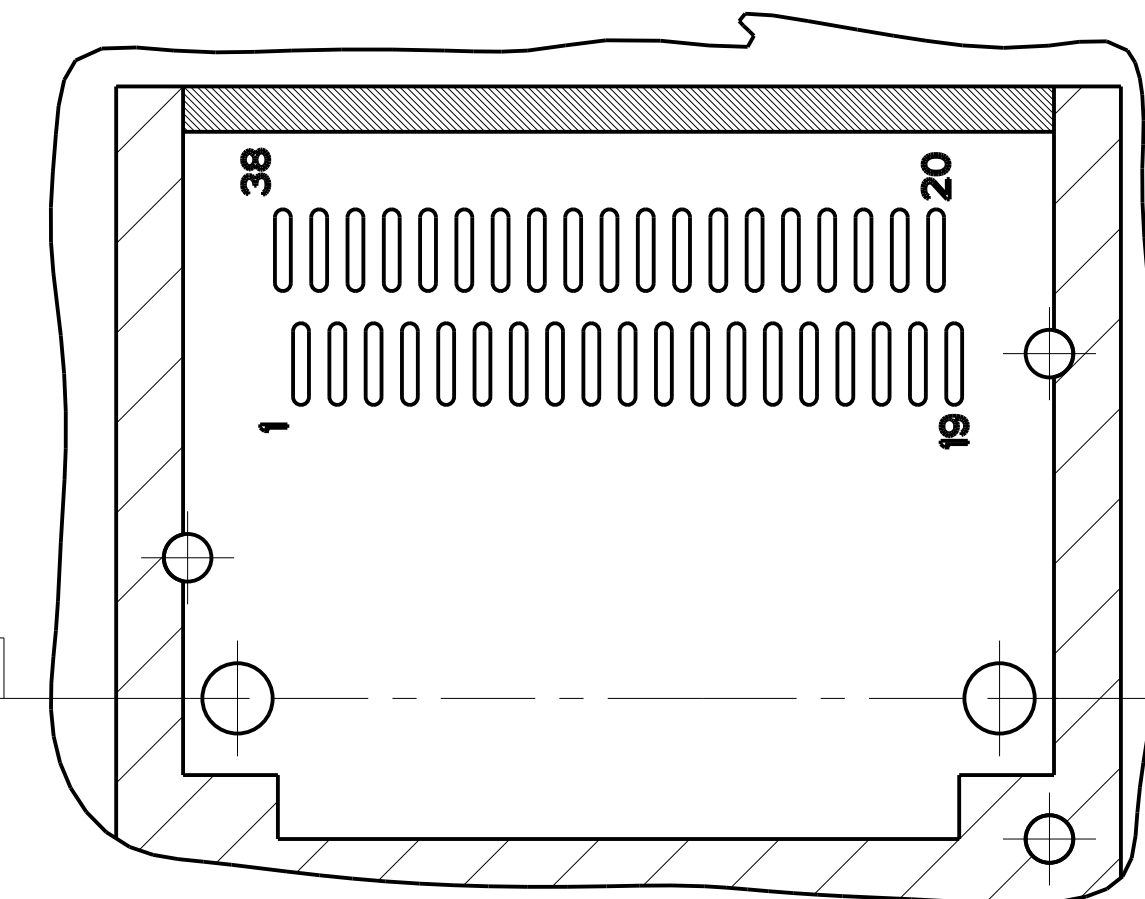
REVISIONS				
P	LTR	DESCRIPTION	DATE	OWN
-	-	SEE SHEET 1	-	-



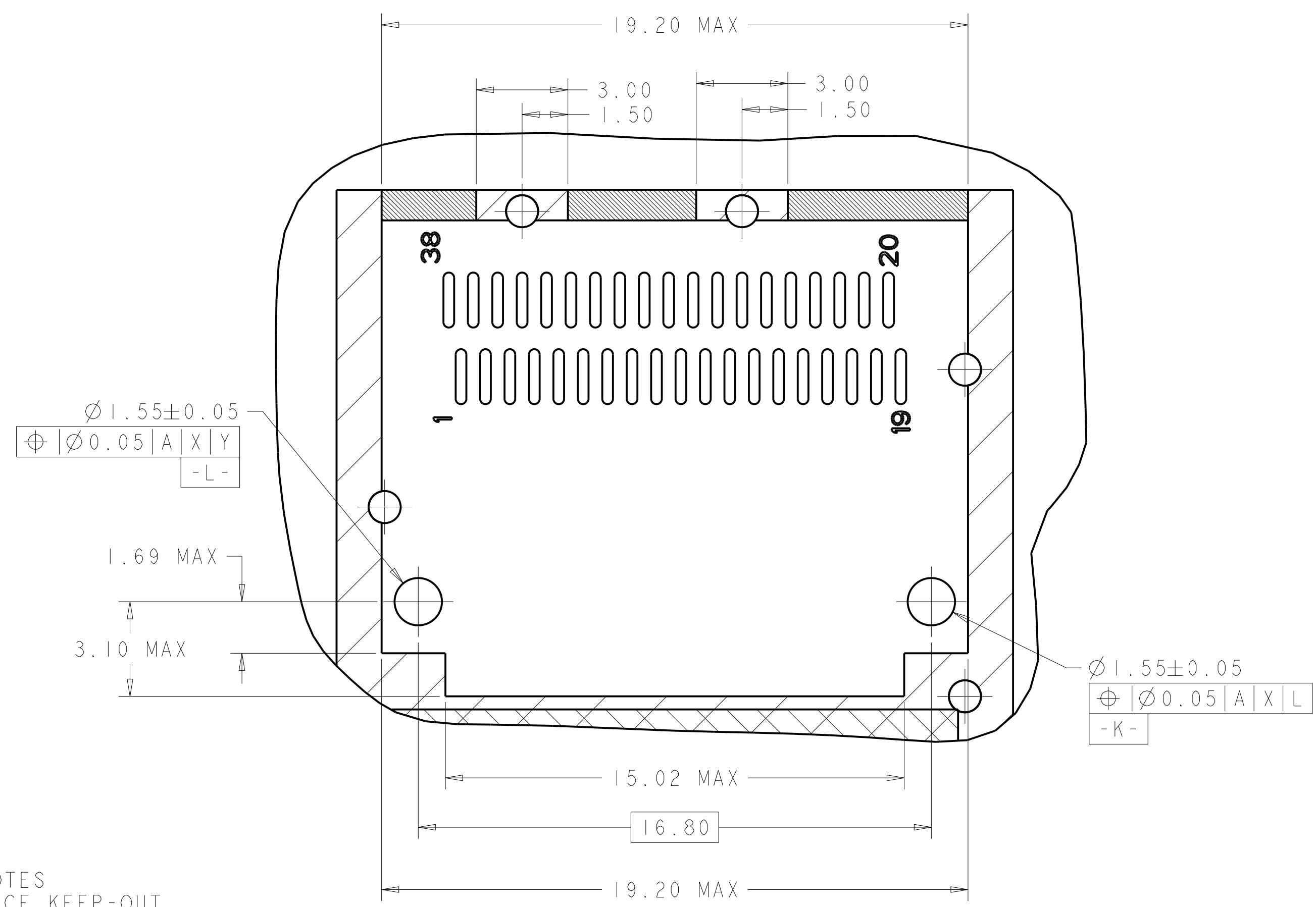
RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 2 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 1 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



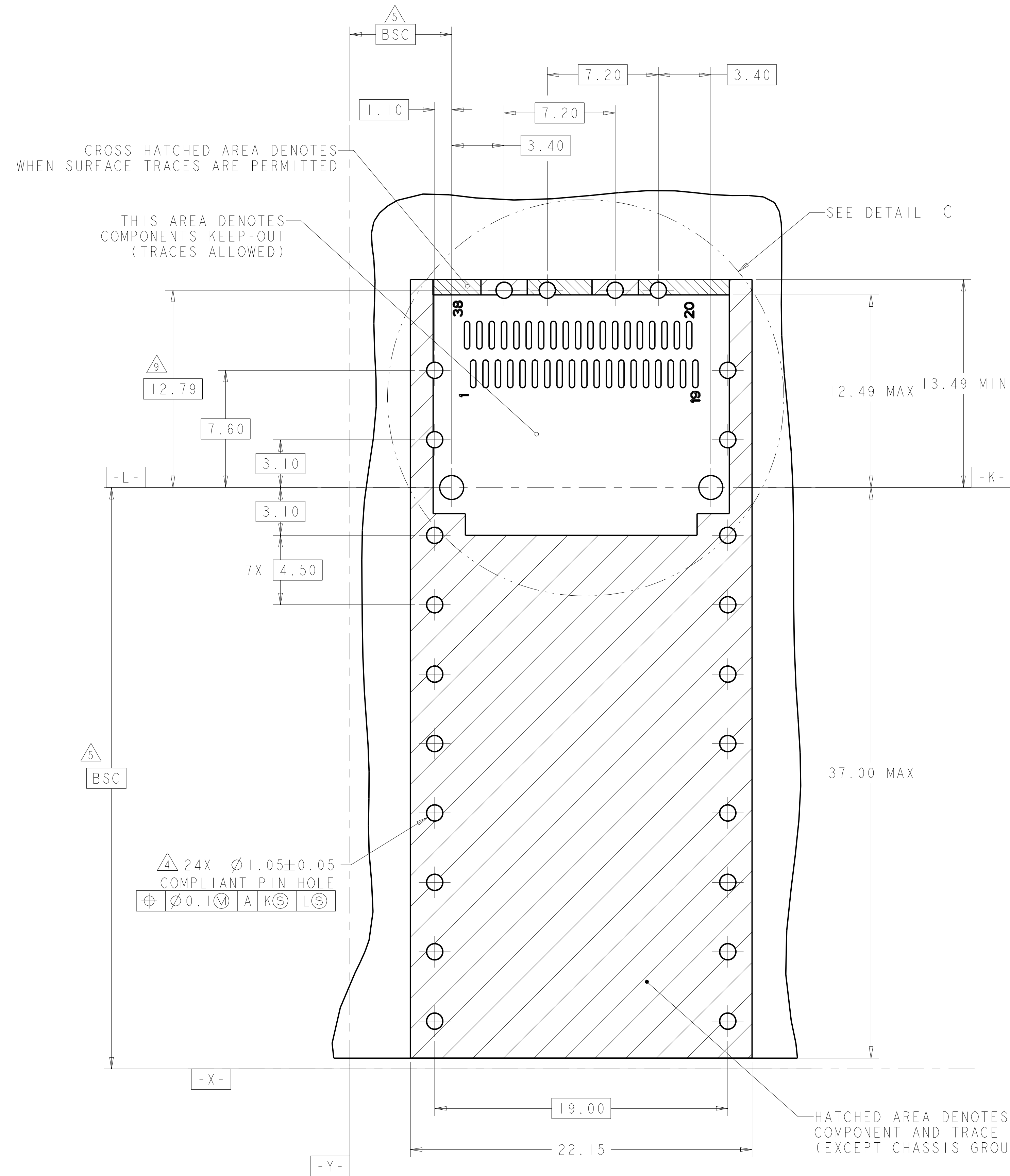
RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 0 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



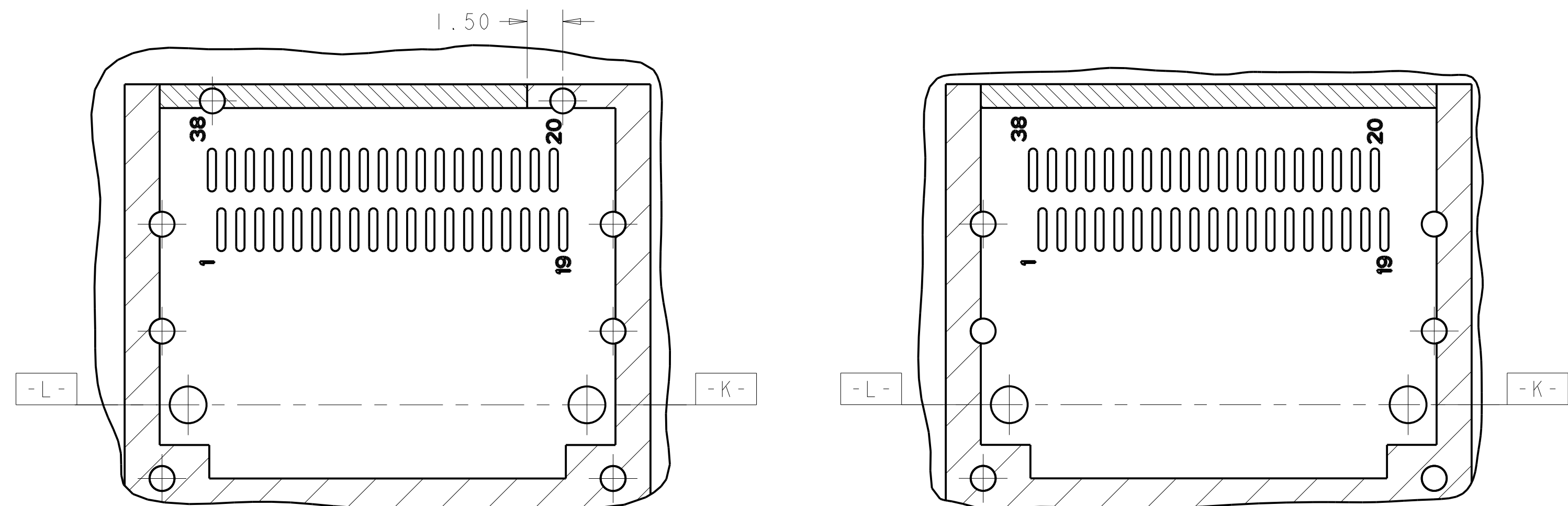
DETAIL B
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 23SEP2013	NAME: CAGE ASSEMBLY, OSFP28 1X1 THRU BEZEL WITH EMI SPRING FINGER
DIMENSIONS: mm		CHK: SEAN HAN 29JAN2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: -	PRODUCT SPEC: 108-19428
0 PLC ± 0.25		APPLICATION SPEC: 114-32023	
1 PLC ± 0.25		WEIGHT: -	
2 PLC ± 0.20		RESTRICTED CUSTOMER	
3 PLC ± 0.100		SCALE 2:1	
4 PLC ± 0.100		SHEET 6 OF 7	
ANGLES: -		REV D1	
FINISH: -		REV D1	

REVISIONS				
P.	LTR.	DESCRIPTION	DATE	OWN
-	-	SEE SHEET 1	-	-

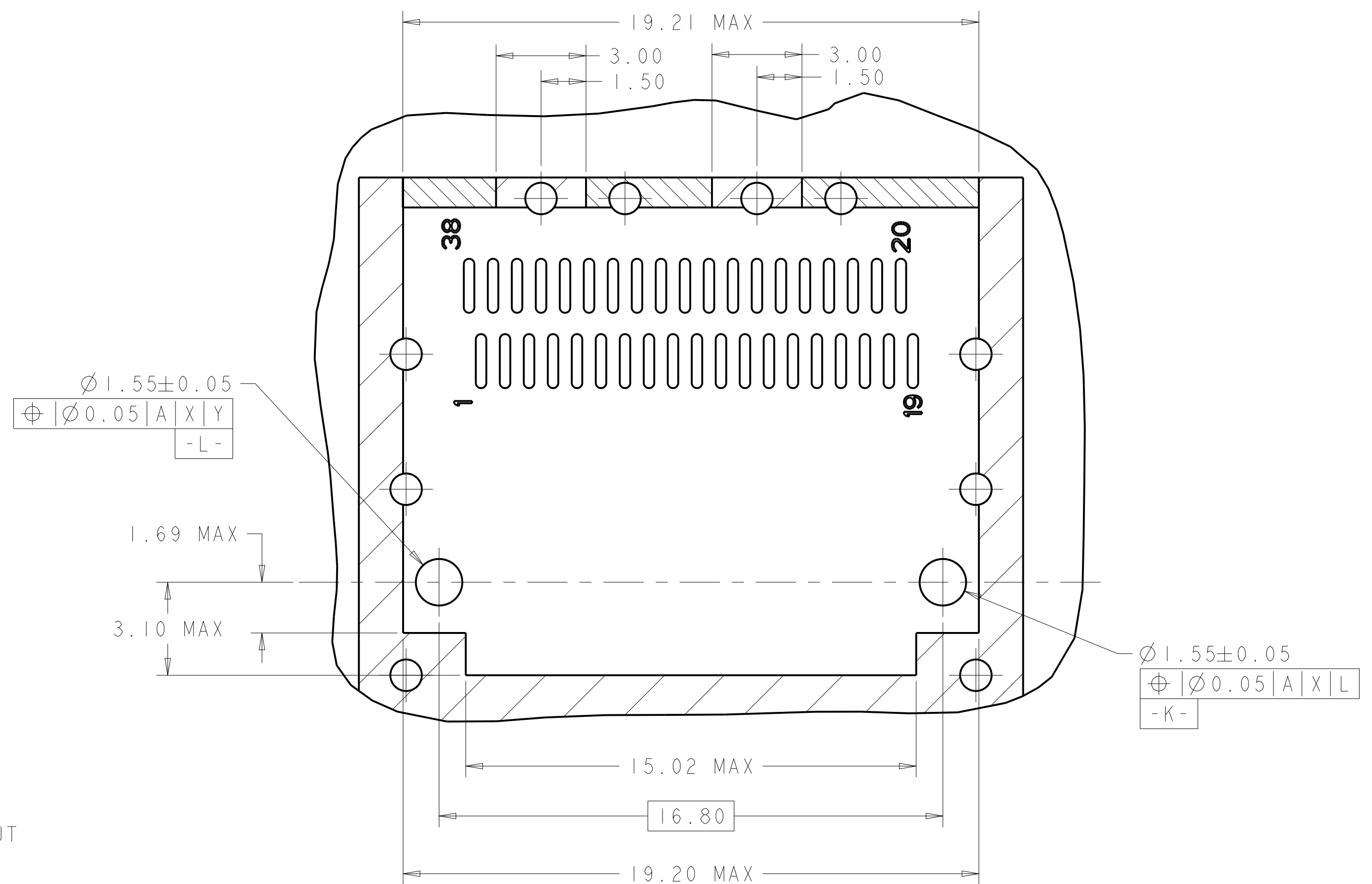


RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE OF 2 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 23SEP2013	NAME: CAGE ASSEMBLY, QSP28 1X1 THRU BEZEL WITH EMI SPRING FINGER	
DIMENSIONS:		CHK: SEAN HAN 29JAN2016		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	SIZE: CAGE CODE: DRAWING NO: 114-32023	
	0 PLC ± 0.25	108-19428	RESTRICTED TO: A100779C= 2170703	
	1 PLC ± 0.25	APPLICATION SPEC	SCALE 2:1 SHEET 7 OF 7 REV D1	
	2 PLC ± 0.20			
	3 PLC ± 0.100			
	4 PLC $\pm -$			
	ANGLES $\pm -$			
	FINISH $\pm -$			
MATERIAL		WEIGHT		

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[2170703-1](#)