

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
B1		UPDATED 6-2 SPRING/ECN-21-108587	25JUN2021	SH	SZ
B2		REVISED PER ECN-22-144782	04MAR2022	TP	SZ
B3.1		ADD DASH 6--6	07JUL2022	TP	SZ

1. MATERIAL:
CAGE MATERIAL : 0.25 THICK NICKEL SILVER.
SPRING MATERIAL: COPPER ALLOY

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.

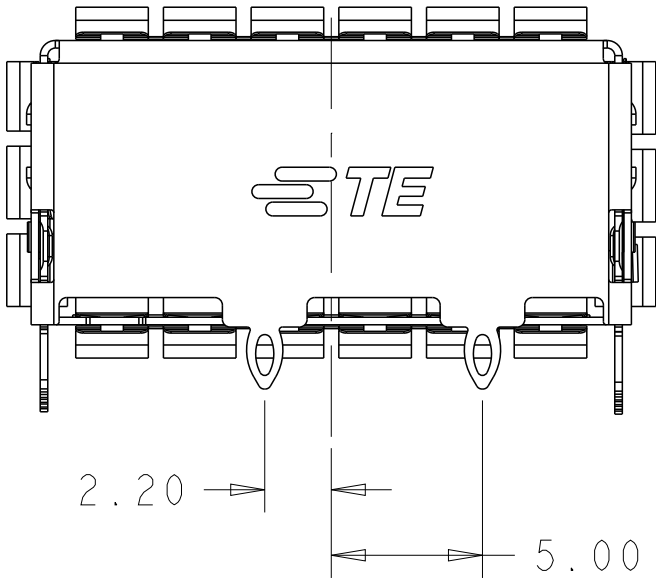
5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.

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. HEIGHT WITHOUT TRANSCEIVER INSERTION.

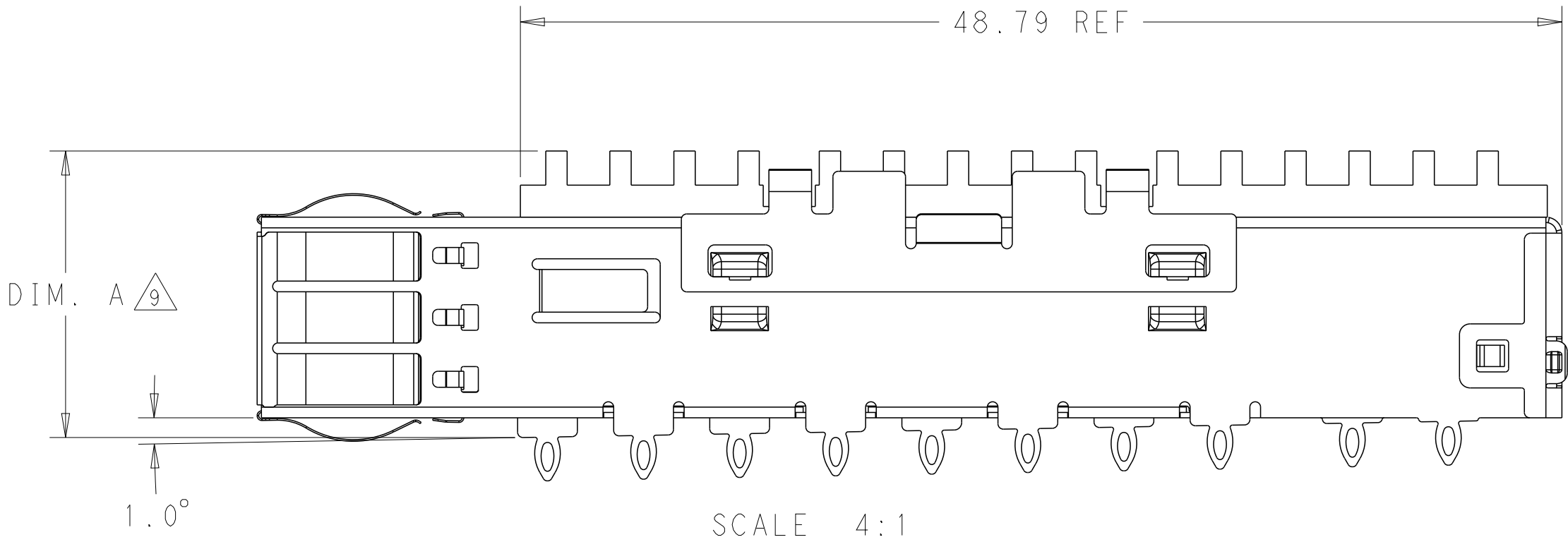
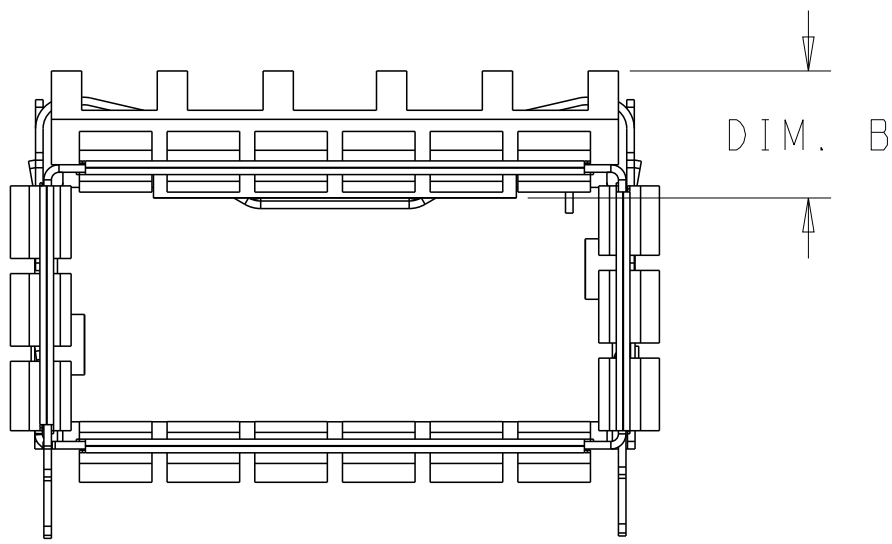
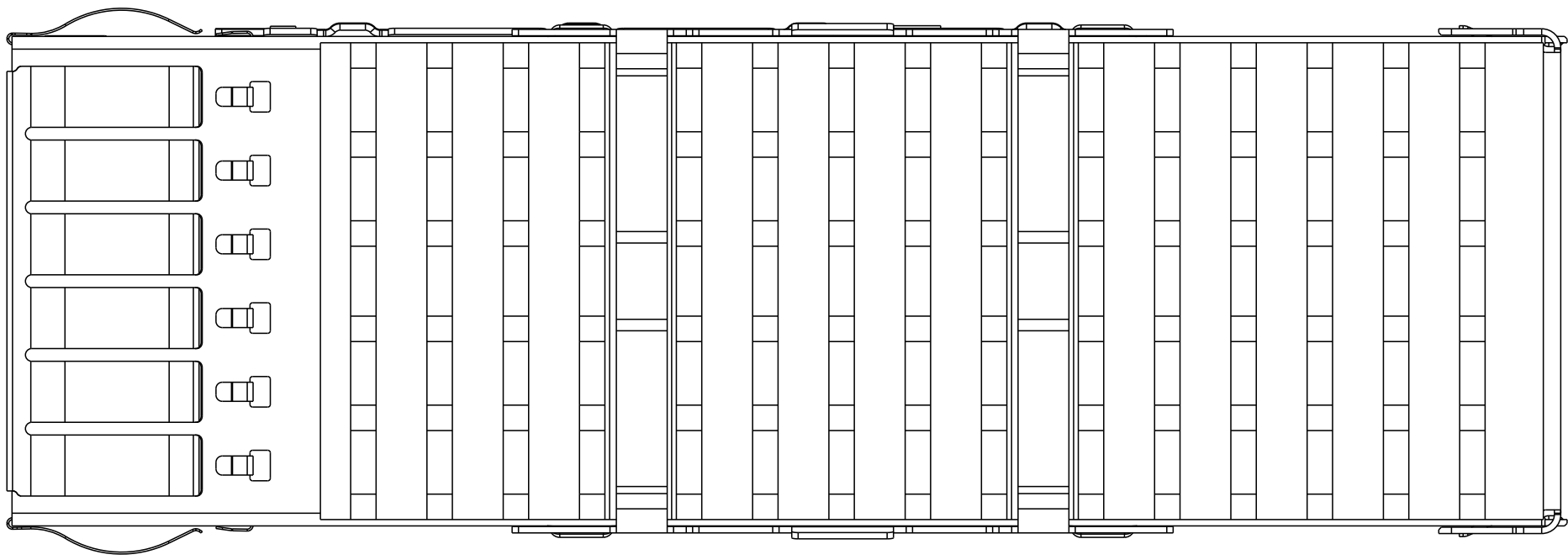


-	22.1	CUSTOMIZED ZIPPER HS	0	WITH	6-2312220-6
-	-	CUSTOMIZED ZIPPER HS	0	WITH	6-2312220-5
-	-	CUSTOMIZED ZIPPER HS	0	WITH	6-2312220-2
13.5	22.8	NETWORKING HEAT SINK	0	WITH	1-2312220-0
6.5	15.8	SAN HEAT SINK	0	WITH	2312220-9
4.2	13.5	PCI HEAT SINK	0	WITH	2312220-8
-	-	-	0	WITH	2312220-7
-	-	-	1	WITH	2312220-6
-	-	-	0	WITHOUT	2312220-5
-	-	-	1	WITHOUT	2312220-4
-	-	-	2	WITH	2312220-2
-	-	-	2	WITHOUT	2312220-1
DIM B	DIM A	HEAT SINK	# REAR PINS	HEAT SINK OPEN	PART NUMBER

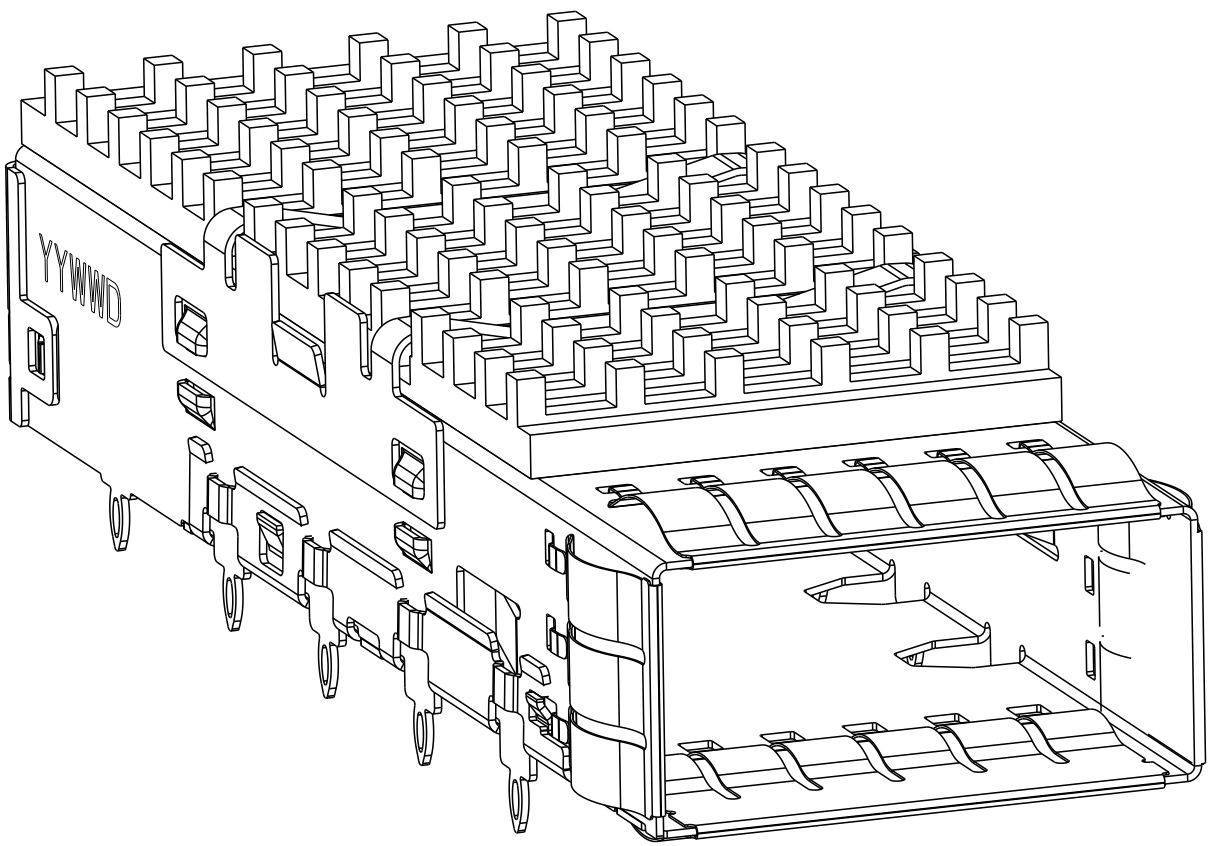
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: LEO LI 15NOV2016	STE TE Connectivity		
DIMENSIONS:		CHK: SEAN HAN 15NOV2016			
mm		APVD: SEAN HAN 15NOV2016			
		PRODUCT SPEC			
		108-19428	NAME: CAGE ASSEMBLY, QSFP28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER		
		APPLICATION SPEC			
		114-32023	SIZE: A1CAGE CODE: 00779DRAWING NO: 2312220		
MATERIAL		WEIGHT			
-		-	CUSTOMER DRAWING		
-		-			
				SCALE: 2:1	SHEET 1 OF 7
					REV: B3

2312220-1 AS SHOWN

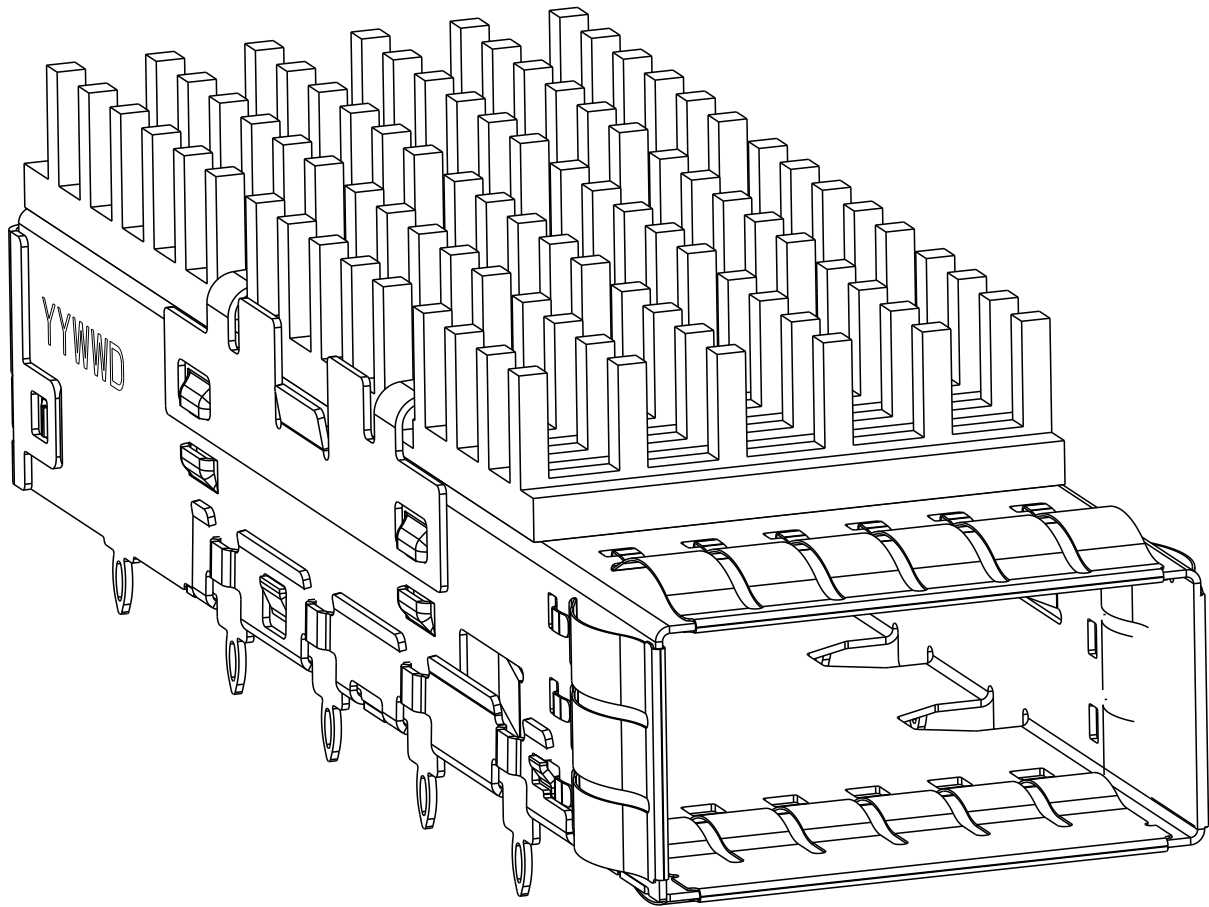
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



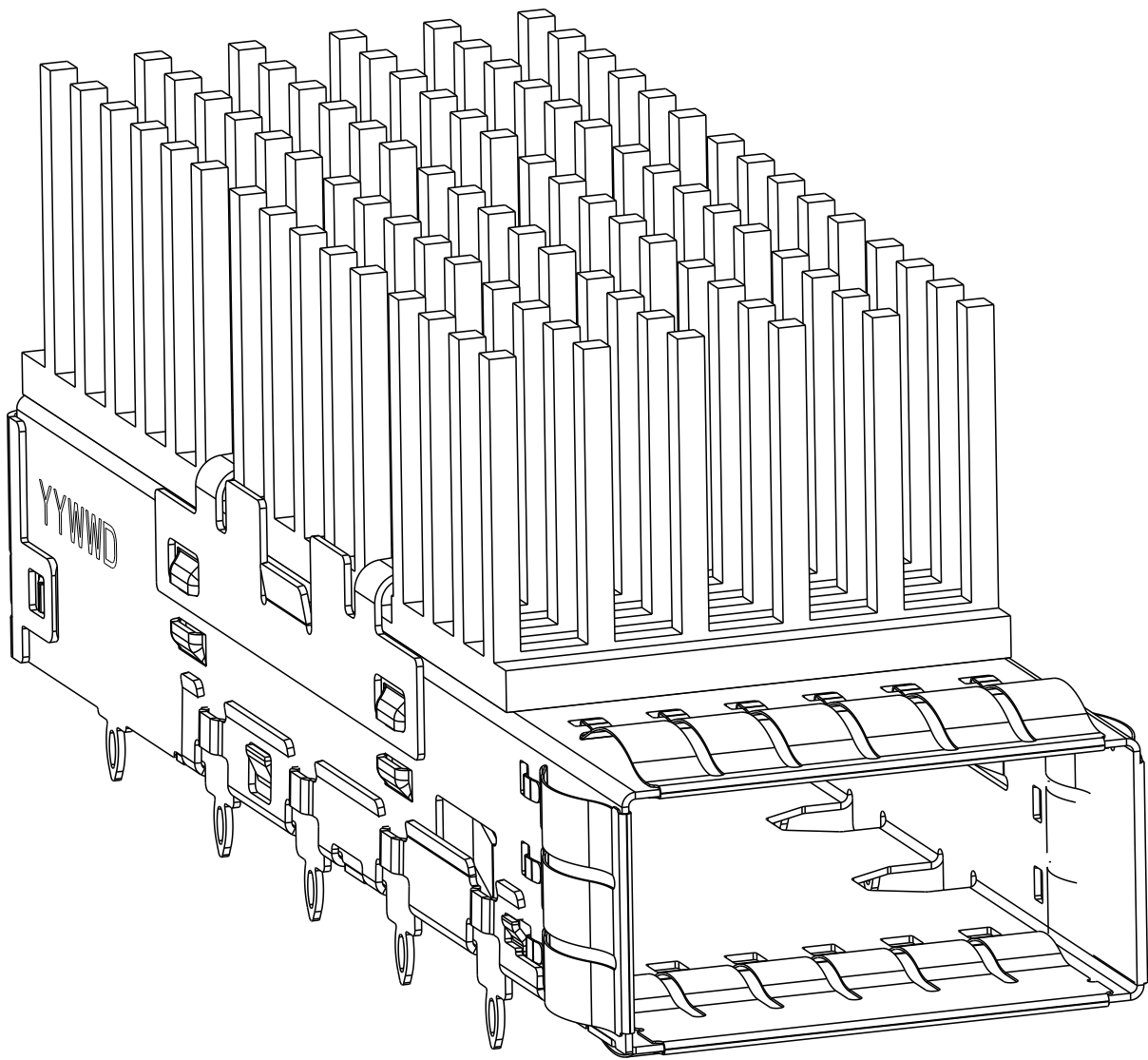
2312220-8 AS SHOWN,
UN-SPECIFIED DIMENSION REFER TO
2312220-7



2312220-8
SCALE 4:1



2312220-9
SCALE 4:1

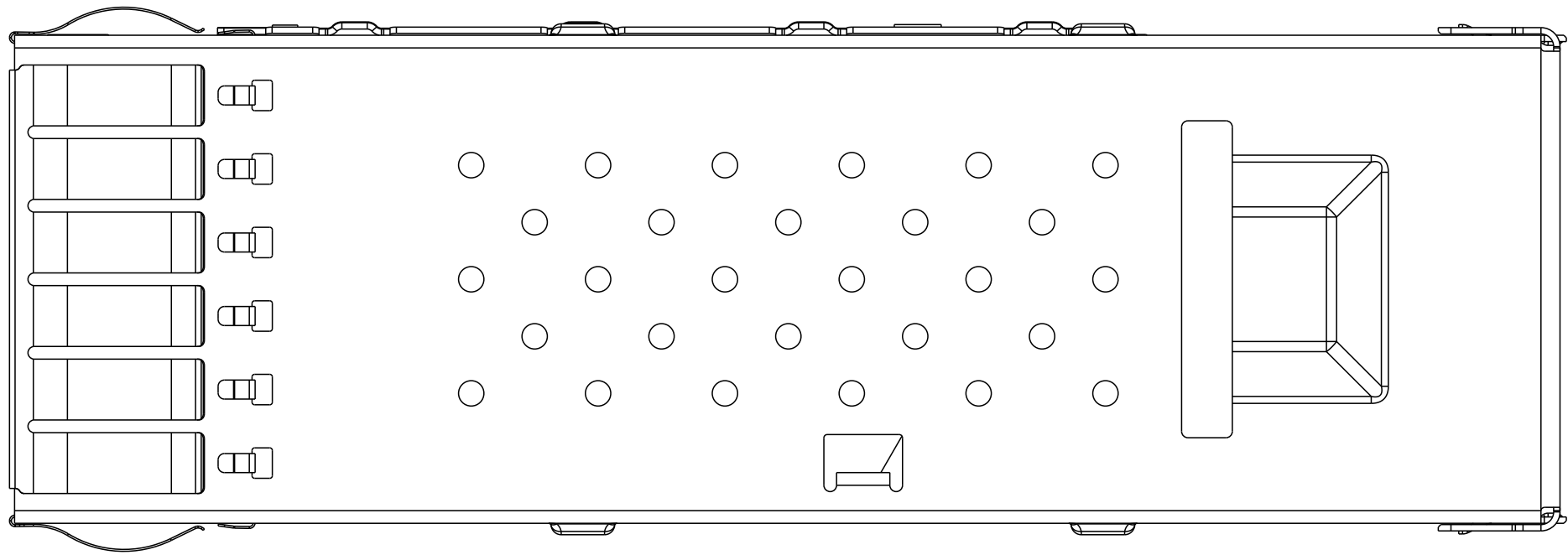


1-2312220-0
SCALE 4:1

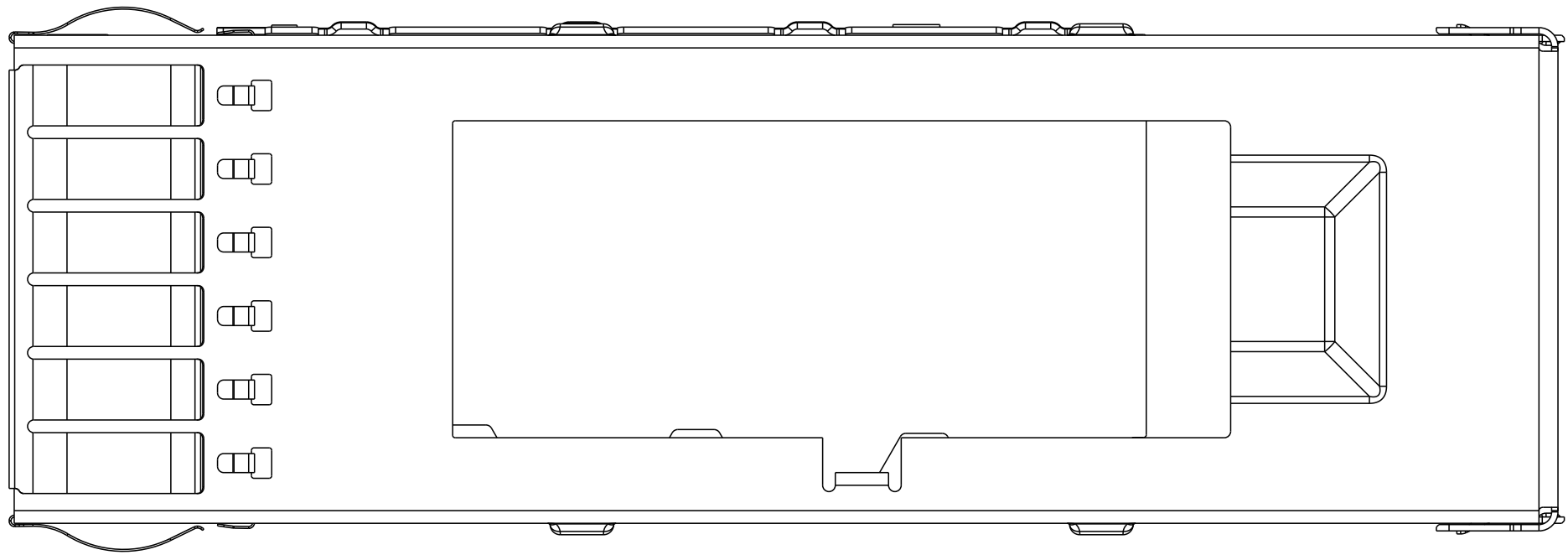
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN. 15NOV2016	TE TE Connectivity	
		CHK. 15NOV2016		
		SEAN HAN		
		APVD. 15NOV2016		
DIMENSIONS:		PRODUCT SPEC	NAME	
mm		108-19428		
		APPLICATION SPEC	SIZE	
		114-32023		
		WEIGHT	SCALE	
		CUSTOMER DRAWING		
			SHEET	
			OF	
			REV	

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

HEAT SINK OPEN OPTIONS

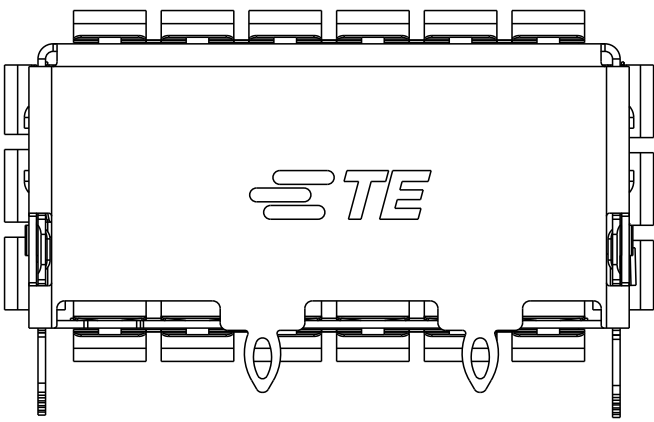


WITHOUT HEAT SINK OPEN
SCALE 4:1

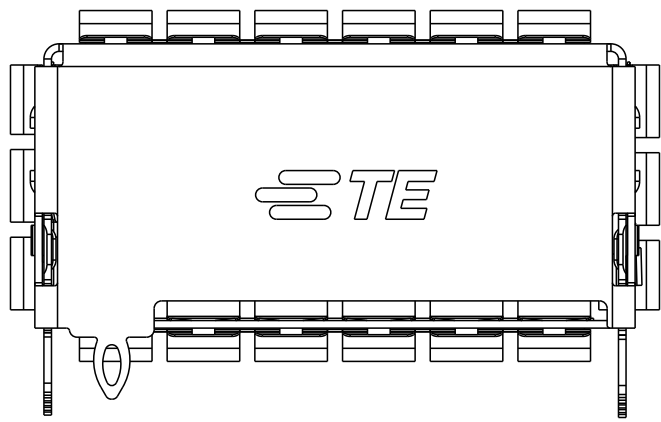


WITH HEAT SINK OPEN
SCALE 4:1

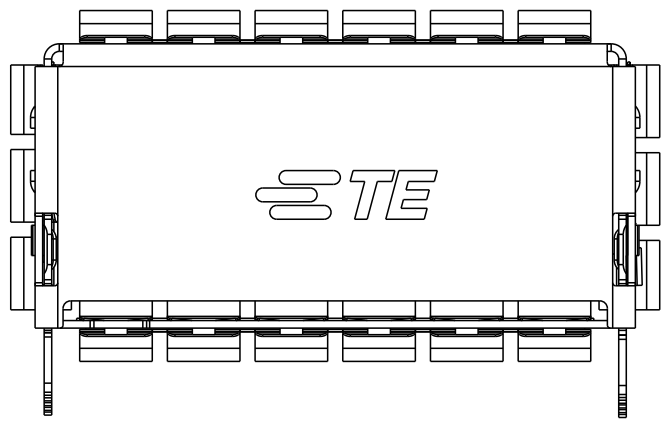
OF REAR LEGS OPTIONS



2 REAR LEGS VERSION
SCALE 4:1



1 REAR LEG VERSION
SCALE 4:1

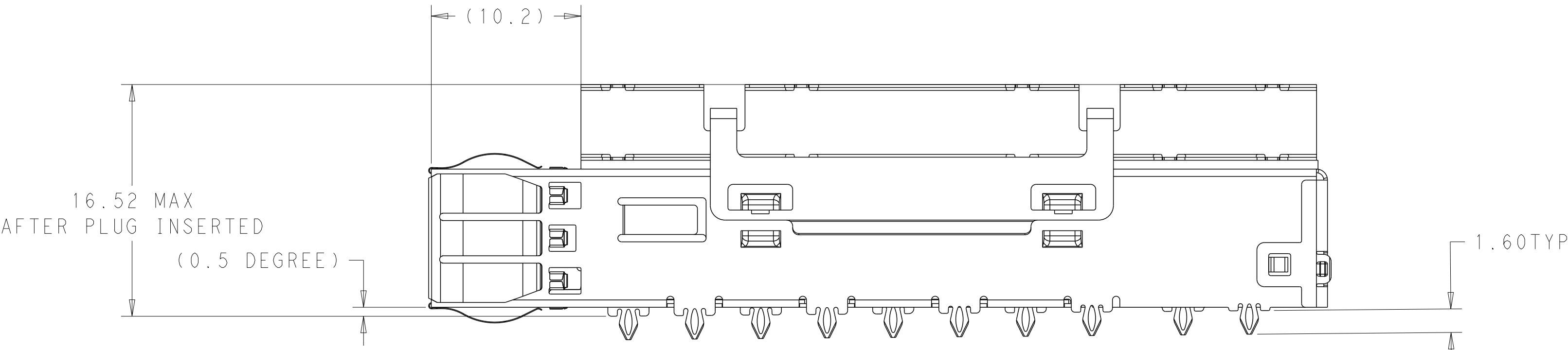
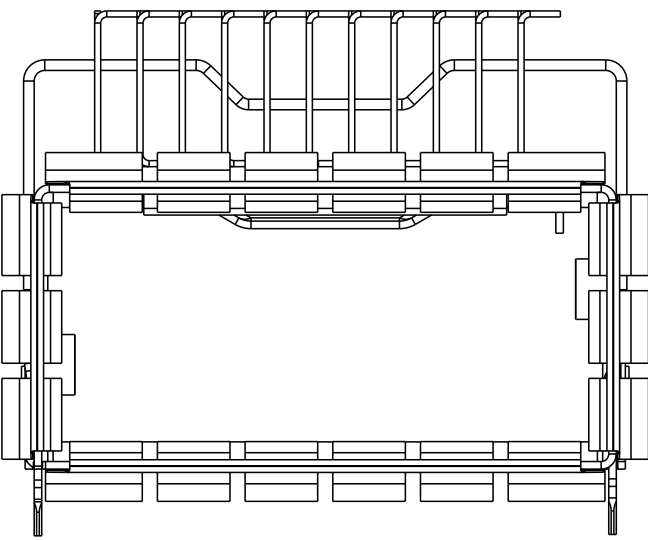
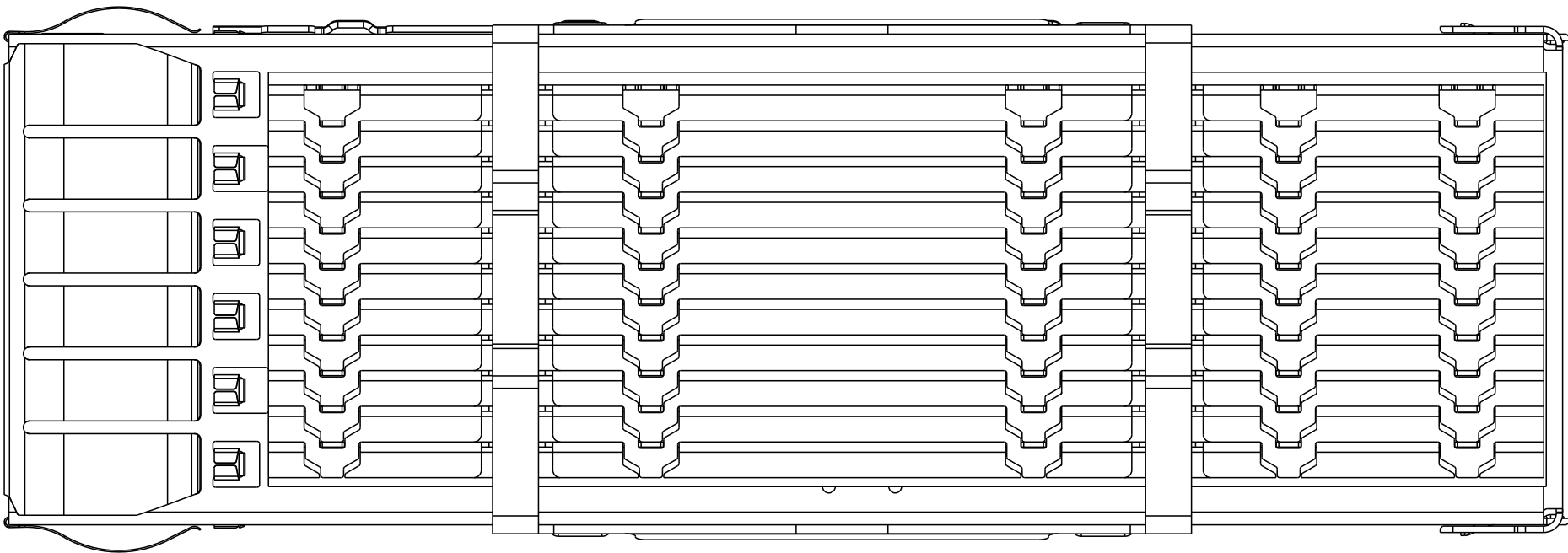
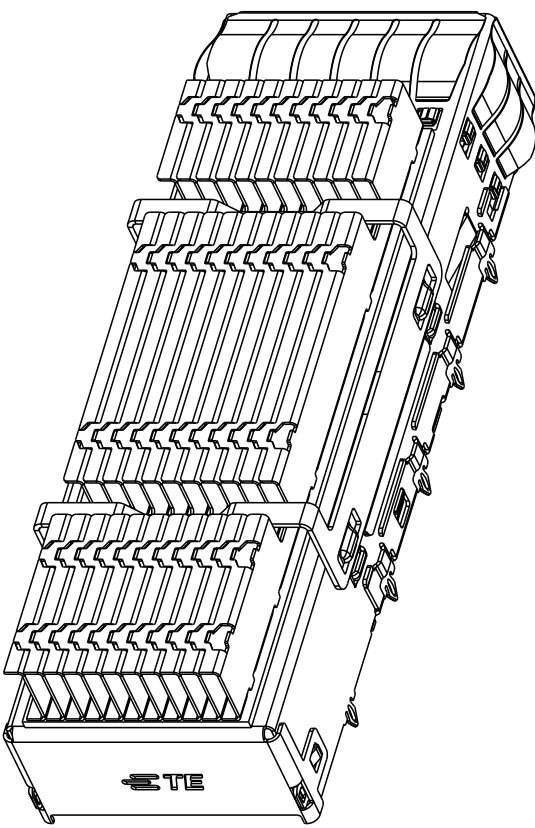


0 REAR LEG VERSION
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LEO LI	15NOV2016	 TE Connectivity		
		CHK SEAN HAN	15NOV2016			
DIMENSIONS:		APVD SEAN HAN	15NOV2016	NAME CAGE ASSEMBLY, OSFP28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER	RESTRICTED TO	
mm		PRODUCT SPEC				
		108-19428		SIZE A1	CAGE CODE 00779	
		APPLICATION SPEC				
		114-32023				
		WEIGHT				
MATERIAL		CUSTOMER DRAWING		SCALE 2:1 SHEET 3 OF 7 REV B3		
-		-		-		
-		-		-		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC ±0.25		1 PLC ±0.25		
		2 PLC ±0.20		3 PLC ±0.100		
		4 PLC ±		ANGLES ±		
		FINISH				

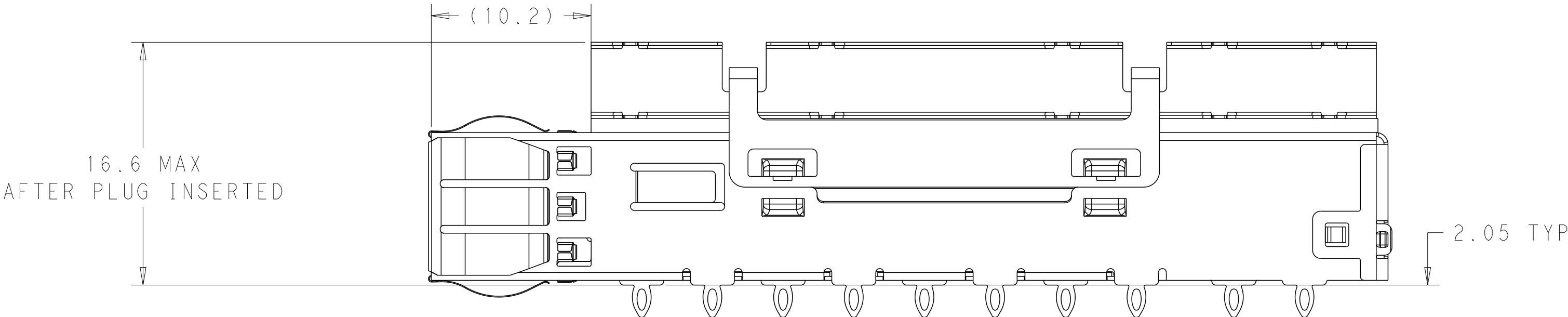
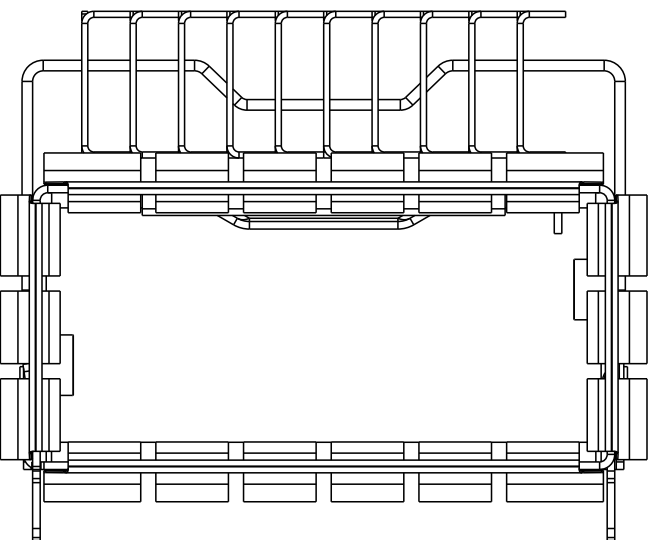
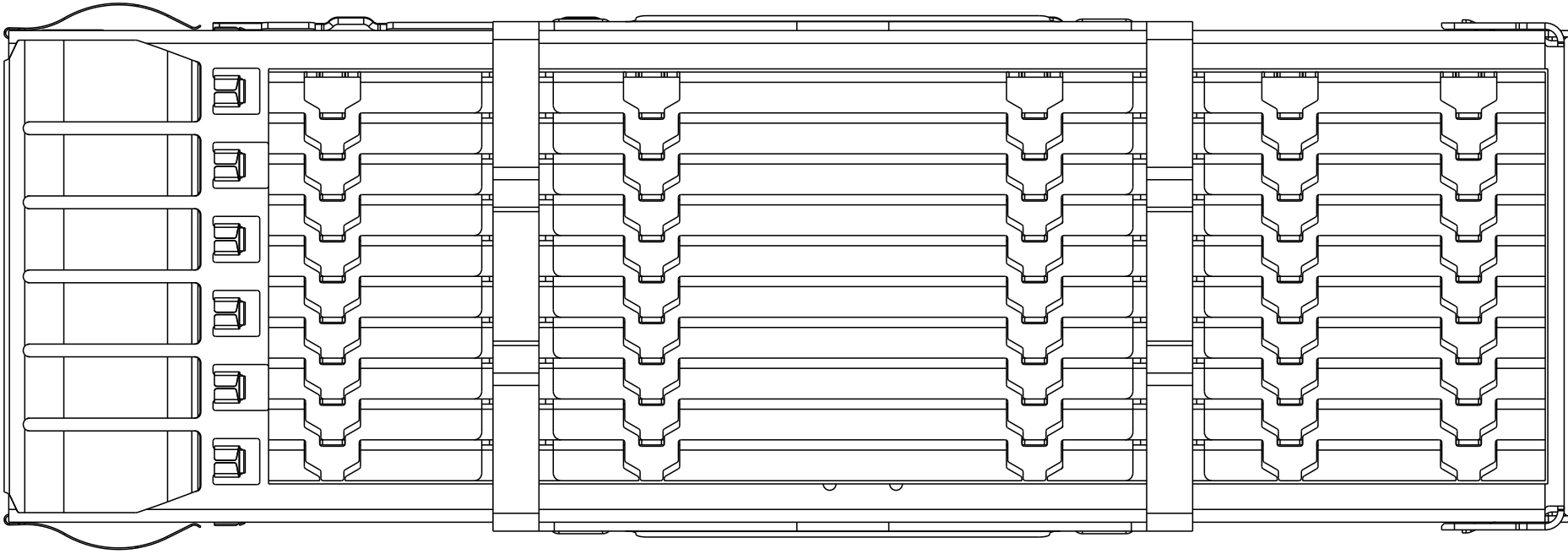
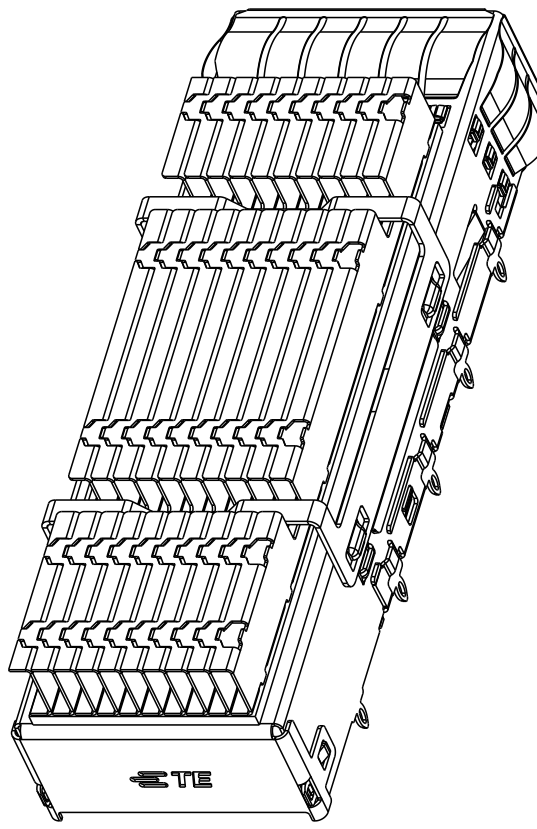
REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN
-	-	SEE SHEET 1	-	-

HEAT SINK: ALUMINUM ALLOY
HEAT SINK FINISH: NICKEL PLATING



6-2312220-2 AS SHOWN
UN SPECIFIED DIMENSIONS SAME AS -1
SCALE 4:1

HEAT SINK: ALUMINUM ALLOY
HEAT SINK FINISH: NICKEL PLATING
FIN PITCH: 1.6mm (10 FINS)
FIN THICKNESS: 0.2mm
BASE THICKNESS: 0.9mm

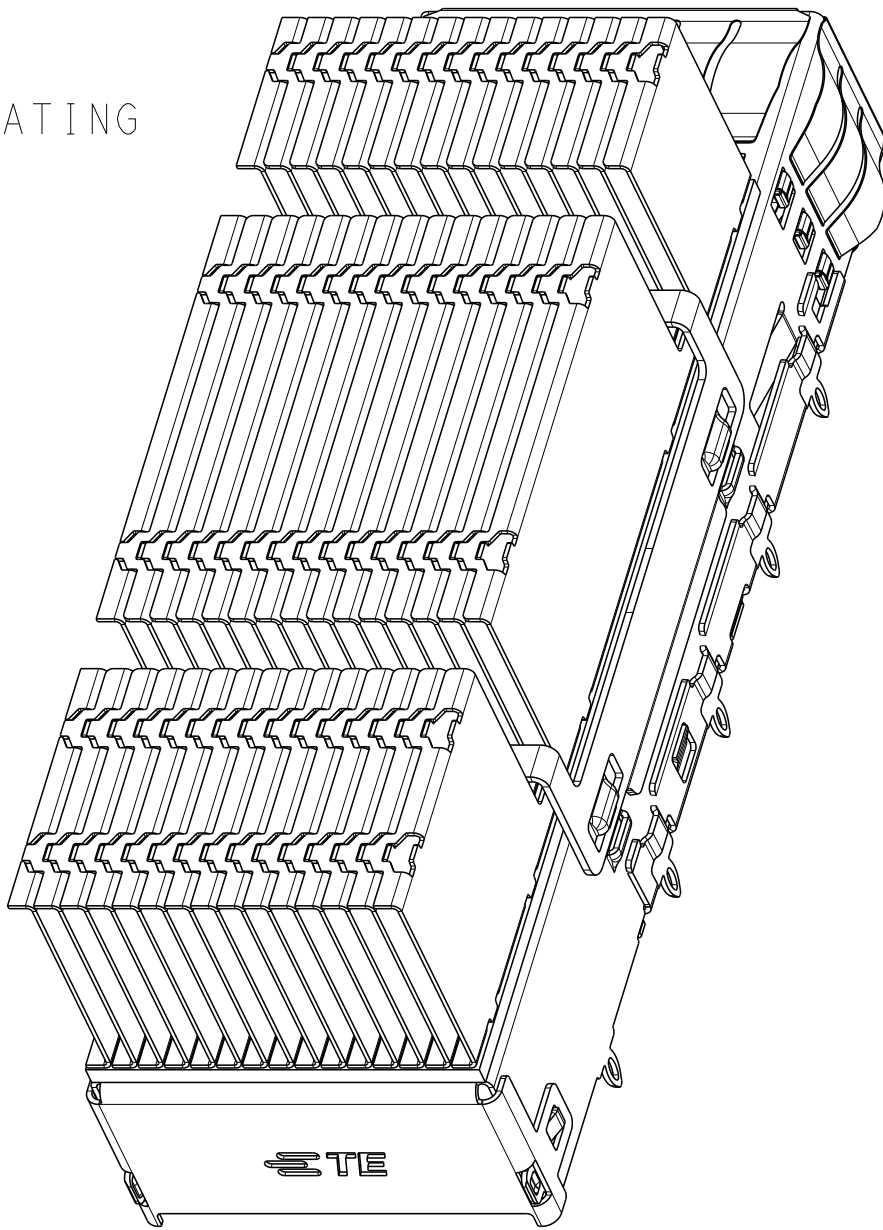


6-2312220-5 AS SHOWN
UNSPECIFIED DIMENSIONS SAME AS 6--2
SCALE 4:1

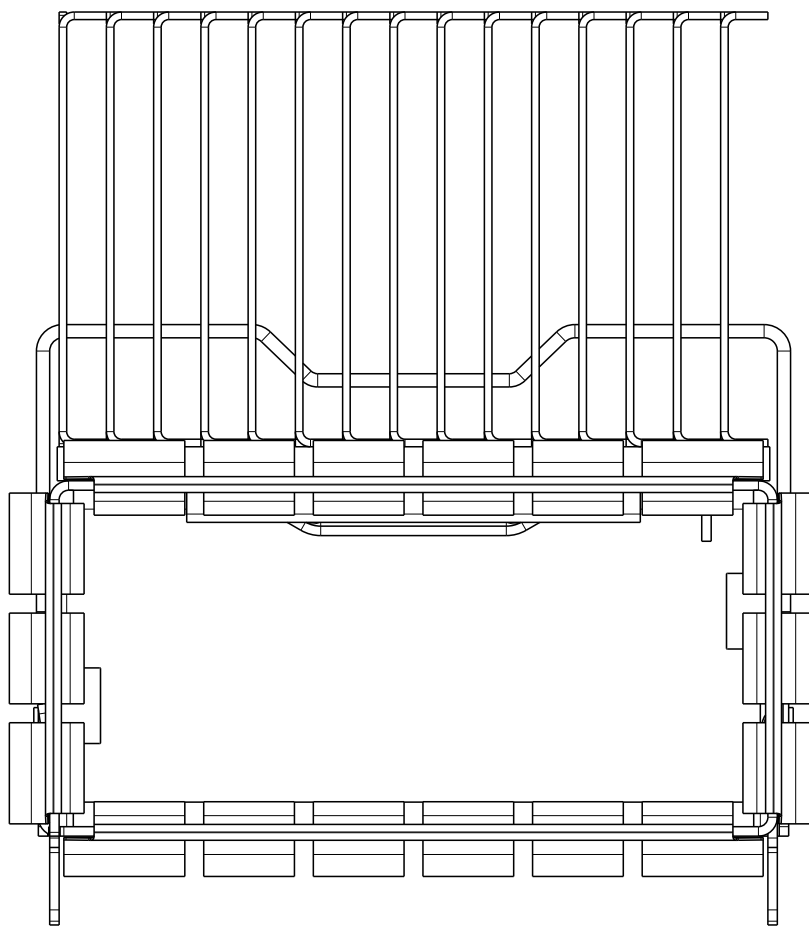
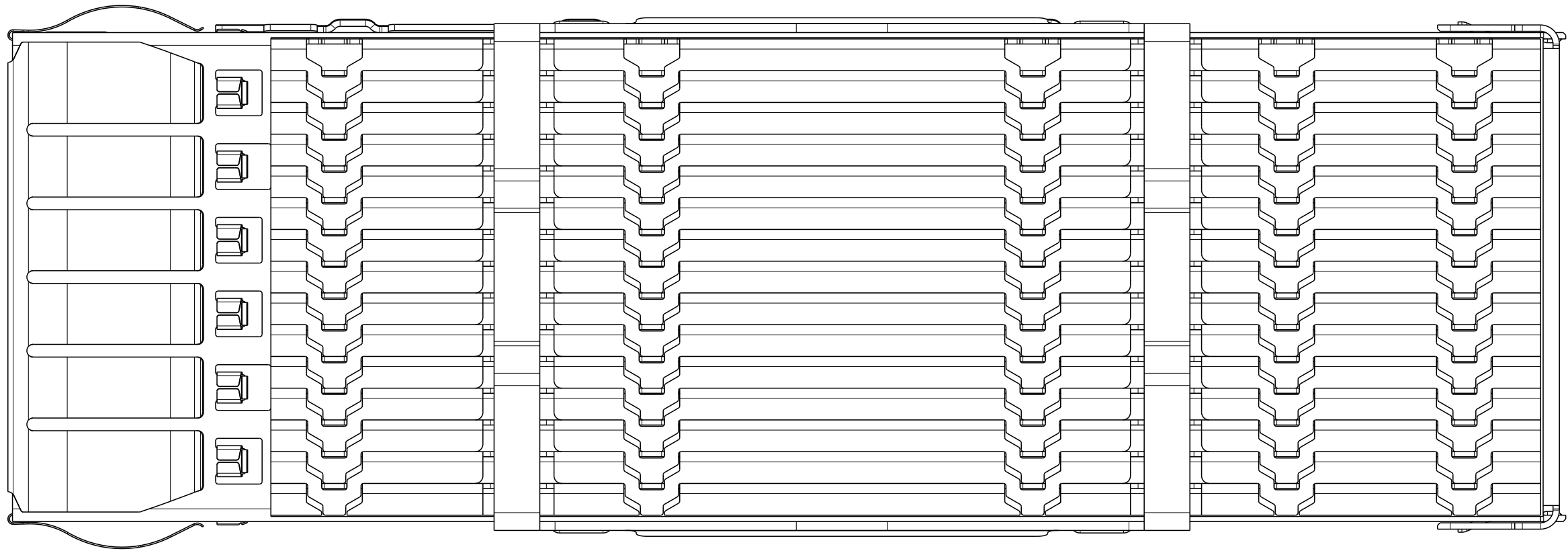
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LEO LI 15NOV2016	 TE Connectivity	
		CHK SEAN HAN 15NOV2016		
DIMENSIONS:		APVD SEAN HAN 15NOV2016	NAME CAGE ASSEMBLY, QSPF28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER -	RESTRICTED TO
mm		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023		
		WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO 2312220	REV B3
MATERIAL - - -		CUSTOMER DRAWING		

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

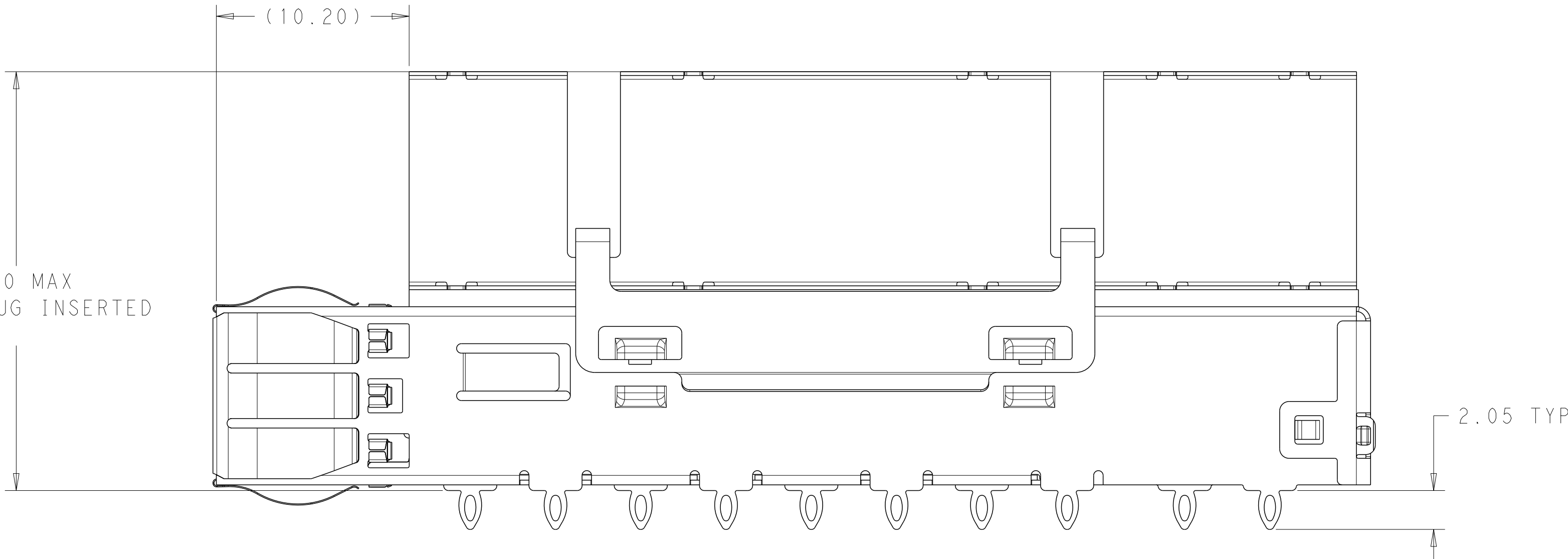
HEAT SINK: ALUMINUM ALLOY
HEAT SINK FINISH: NICKEL PLATING



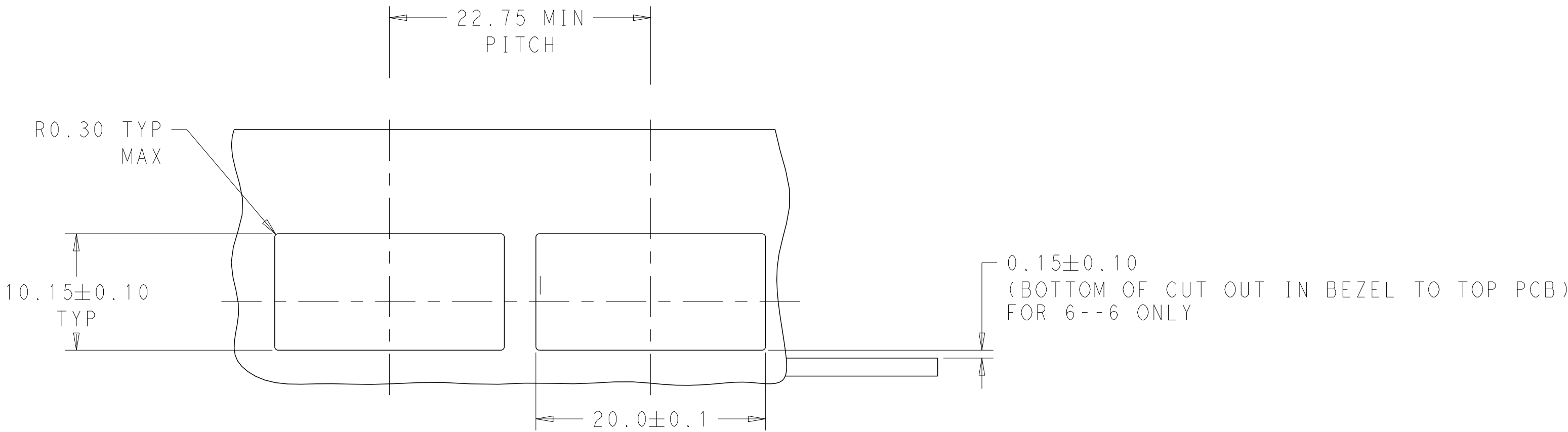
SCALE 3:1



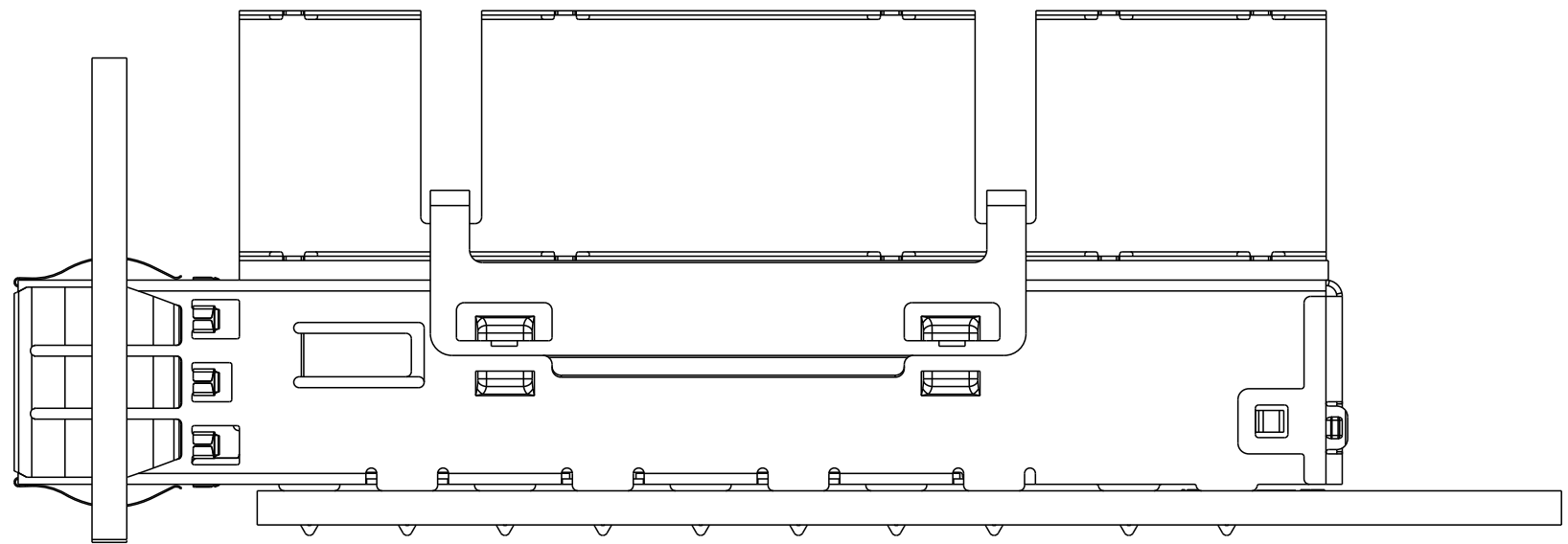
23.0 MAX
AFTER PLUG INSERTED



6-2312220-6 AS SHOWN
UNSPECIFIED DIMENSIONS SAME AS 6--5



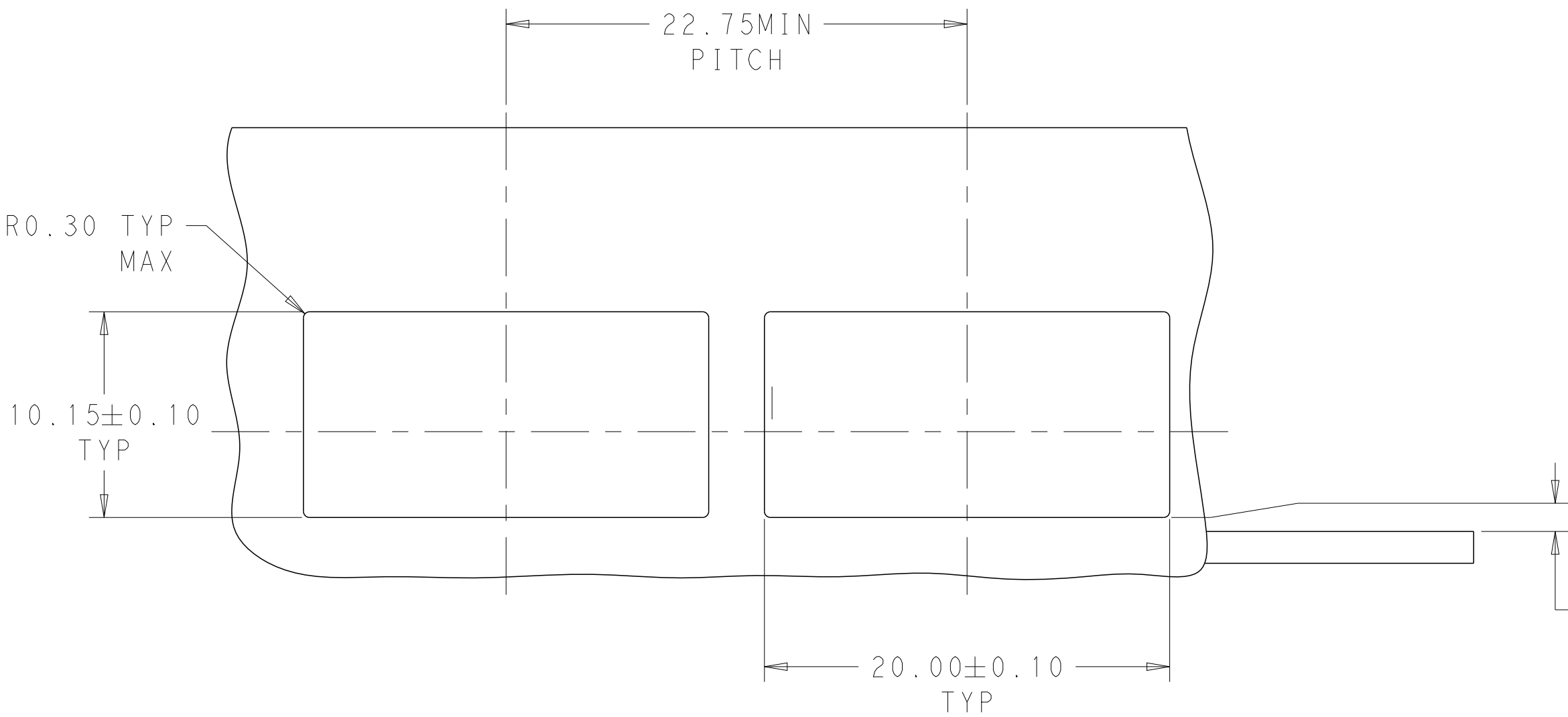
SCALE 3:1



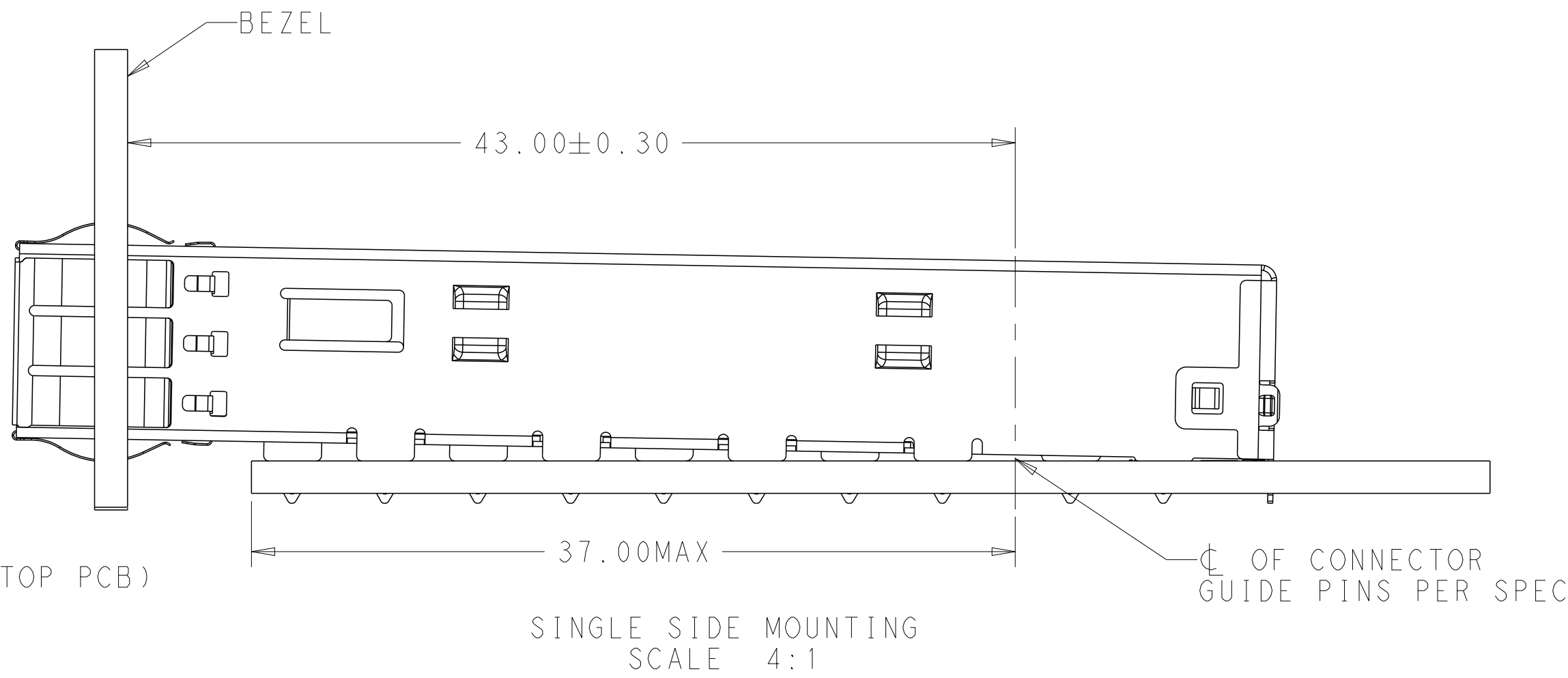
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: LEO LI 15NOV2016	TE Connectivity	
DIMENSIONS:		CHK: SEAN HAN 15NOV2016		
mm		APVD: SEAN HAN 15NOV2016		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: CAGE ASSEMBLY, QSP28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER		
0 PLC ±0.25		PRODUCT SPEC	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 2312220	
1 PLC ±0.25		108-19428		
2 PLC ±0.20		APPLICATION SPEC	RESTRICTED TO: -	
3 PLC ±0.100		114-32023		
4 PLC ±		WEIGHT: -	SCALE: 2:1 SHEET: 5 OF 7 REV: B3	
ANGLES FINISH		CUSTOMER DRAWING		

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

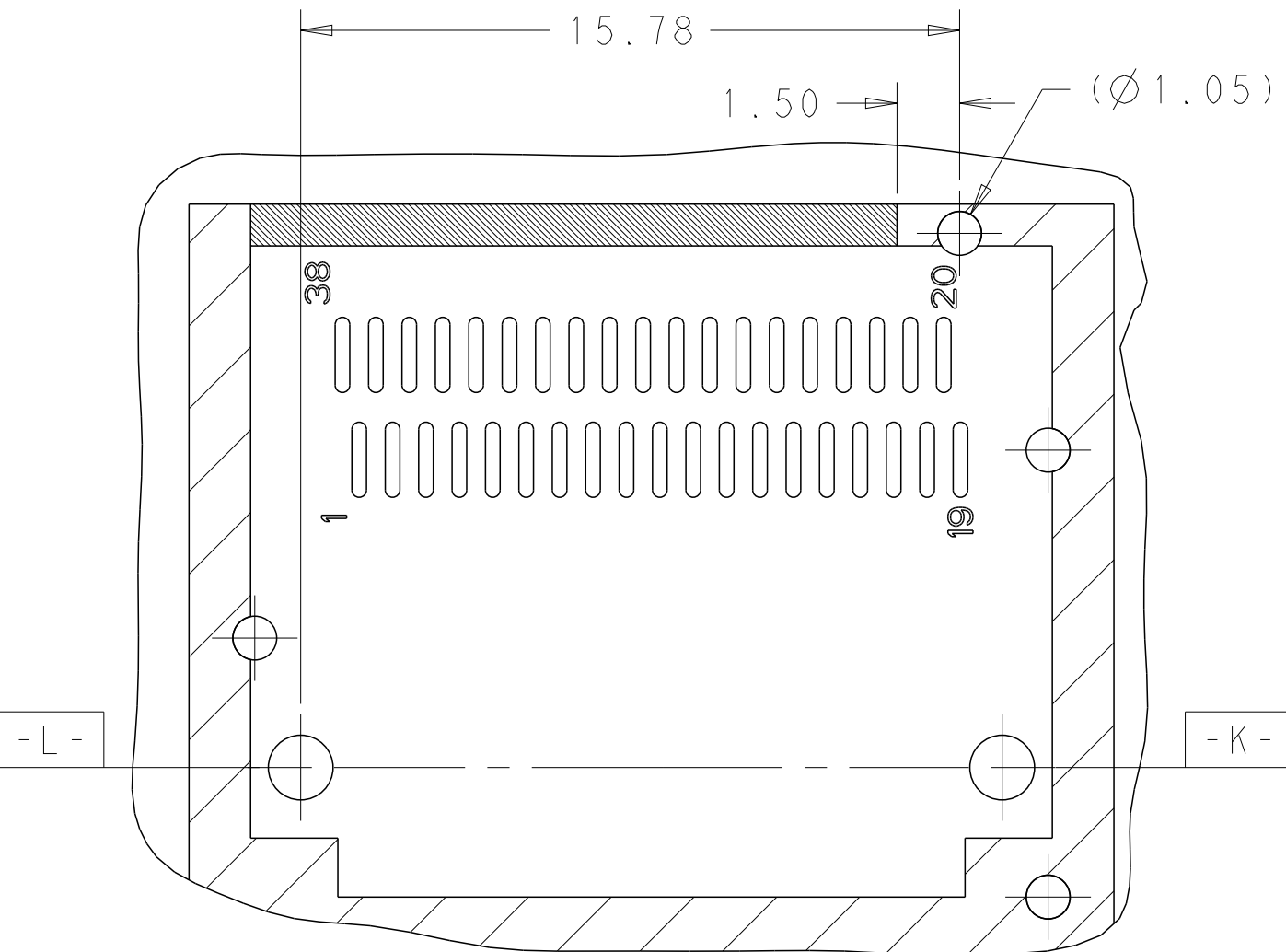
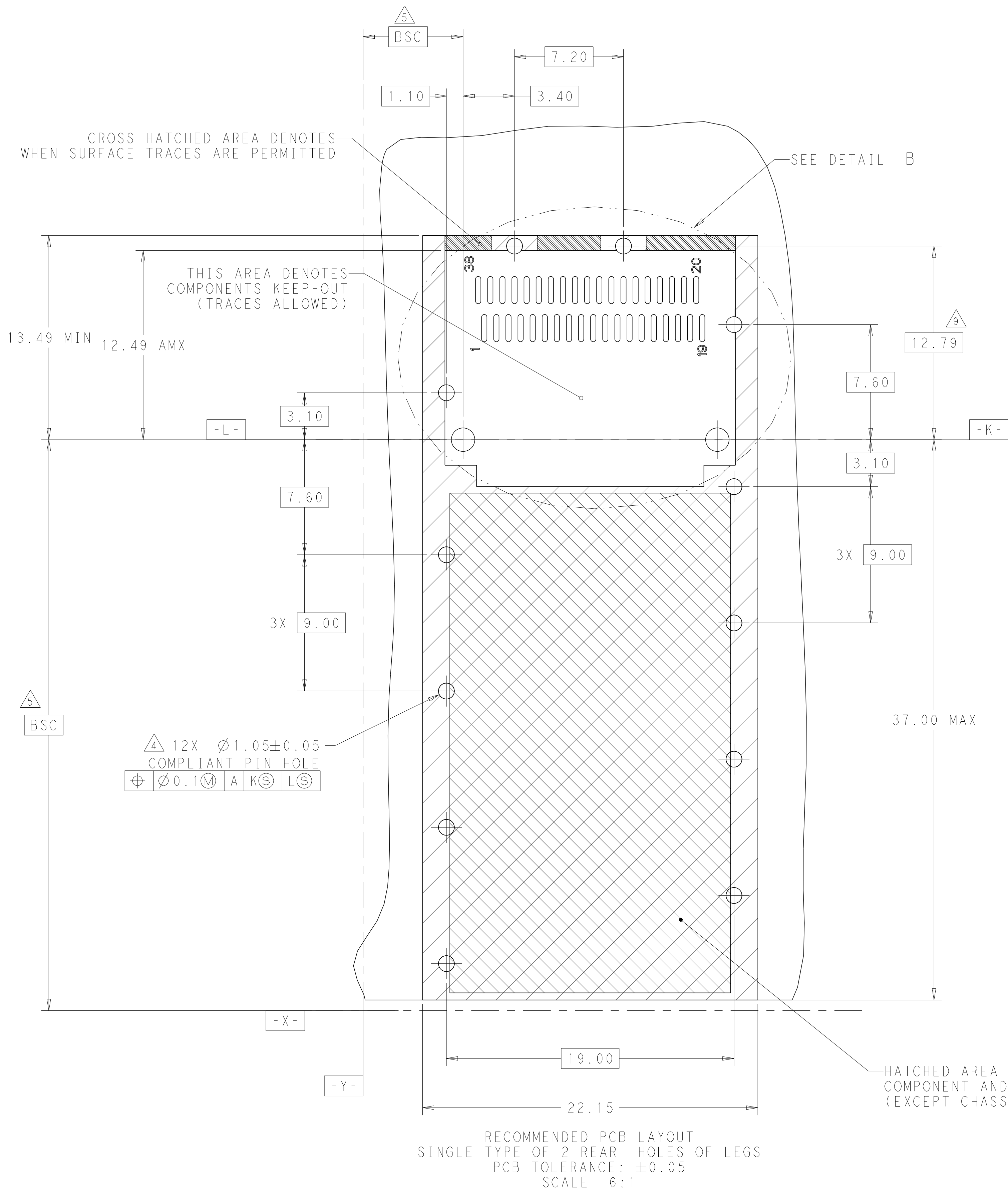


0.69±0.10
(BOTTOM OF CUT-OUT IN BEZEL TO TOP PCB)
0.34±0.10 ONLY FOR 6-2312220-2

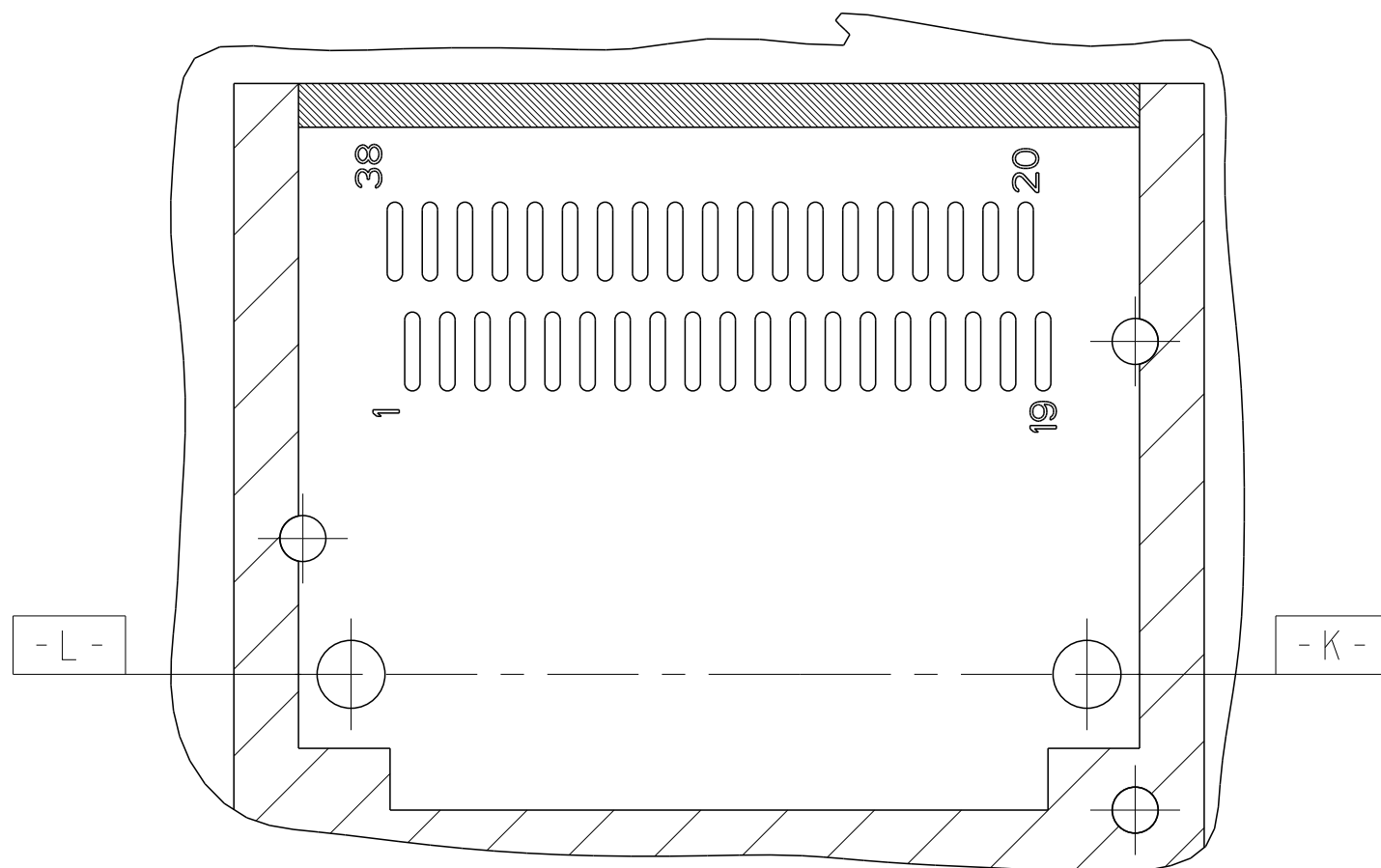


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: LEO LI 15NOV2016		
		CHK: SEAN HAN 15NOV2016		
DIMENSIONS:		APVD: SEAN HAN 15NOV2016	NAME: CAGE ASSEMBLY, QSFP28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER	
mm		PRODUCT SPEC: 108-19428		
		APPLICATION SPEC: 114-32023	SIZE: A1 CAGE CODE: 00779 C=2312220	
		WEIGHT: -		
MATERIAL: -		CUSTOMER DRAWING		RESTRICTED TO: -
		SCALE: 2:1		SHEET: 6 OF 7
				REV: B3

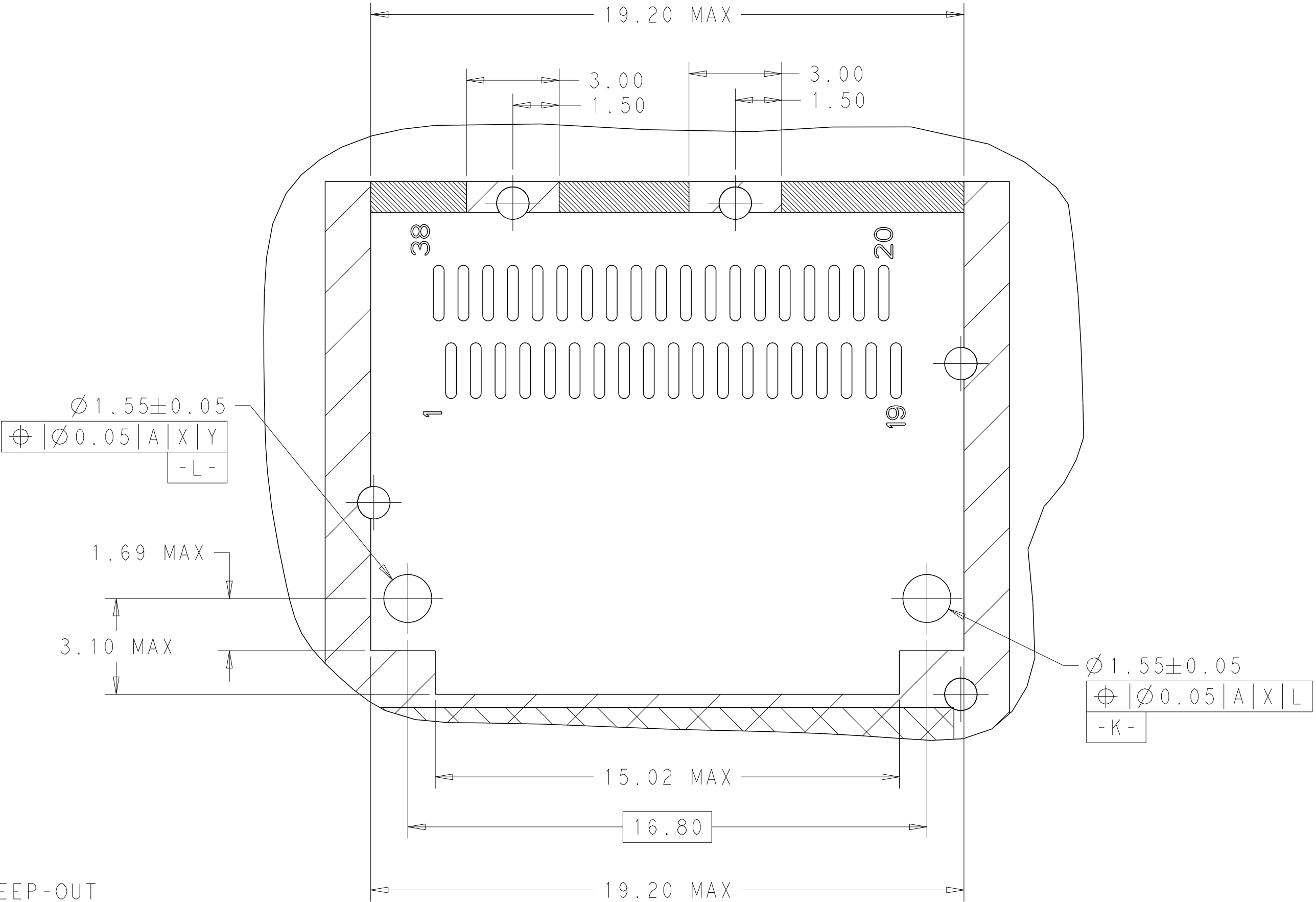
REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN
-	-	SEE SHEET 1	-	-



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.		DWN: LEO LI 15NOV2016	TE Connectivity	
DIMENSIONS:		CHK: SEAN HAN 15NOV2016		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD: SEAN HAN 15NOV2016	NAME: CAGE ASSEMBLY, QSP28 1X1, THRU BEZEL, PCI, WITH EMI SPRING FINGER	
	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		FINISH	SIZE: A100779	RESTRICTED TO: -
			CAGE CODE: C=2312220	
			WEIGHT: -	
			CUSTOMER DRAWING	
			SCALE: 2:1	SHEET 7 OF 7
				REV: B3