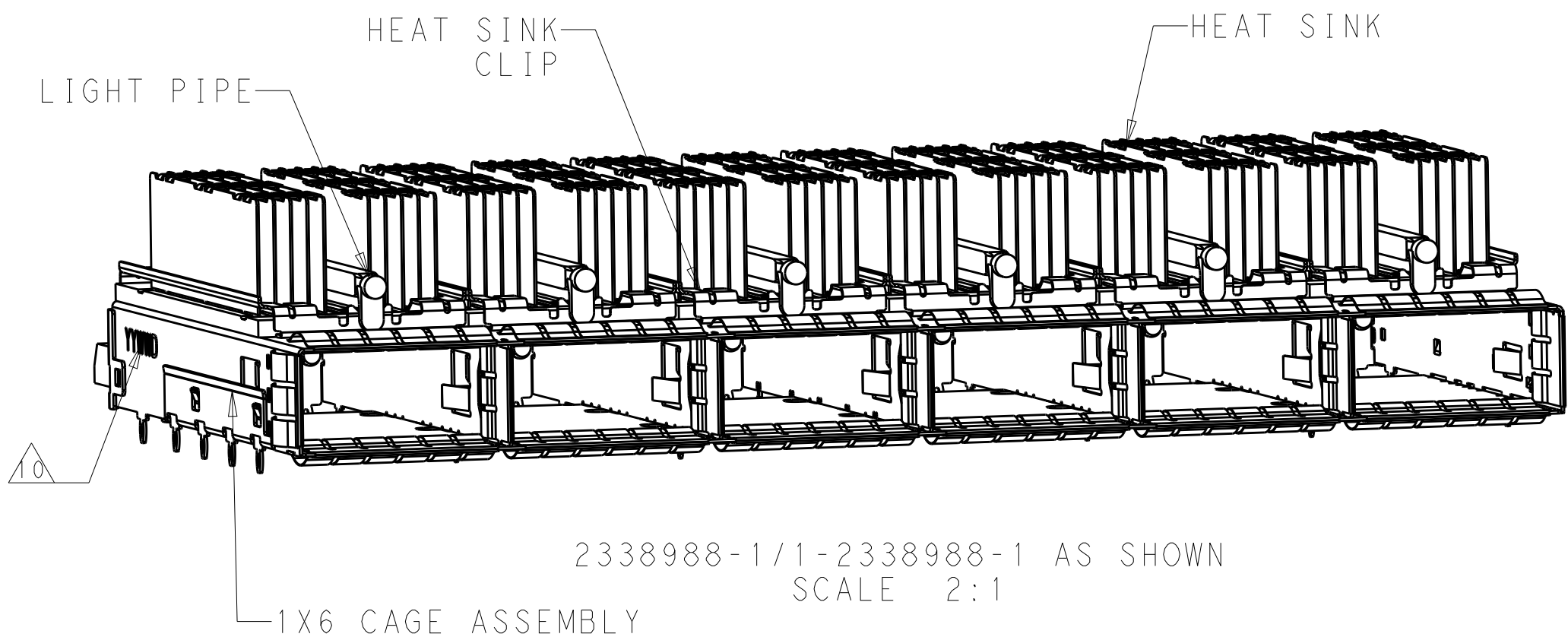


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	3	ADD DASH1-1,1-2	29AUG2019	JW	SH
	4	LP COATING ADDED	14JAN2020	VM	SH
	A1	PRODUCTION RELEASE	16JUN2020	JW	SH

D



1. COMPONENTS
CAGE ASSEMBLY: NICKEL-SILVER ALLOY
HEAT SINK: ALUMINUM/NICKEL
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY/NICKEL PLATE
LIGHT PIPE: CLEAR POLYCARBONATE WITH UL 94 V-0

2. REFERENCE APPLICATION SPECIFICATION 114-32023
FOR RECOMMENDED DRILL HOLE DIAMETER AND
PLATING THICKNESS

3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

4. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE

5. HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES
ARE SHIPPED ASSEMBLED ON CAGE

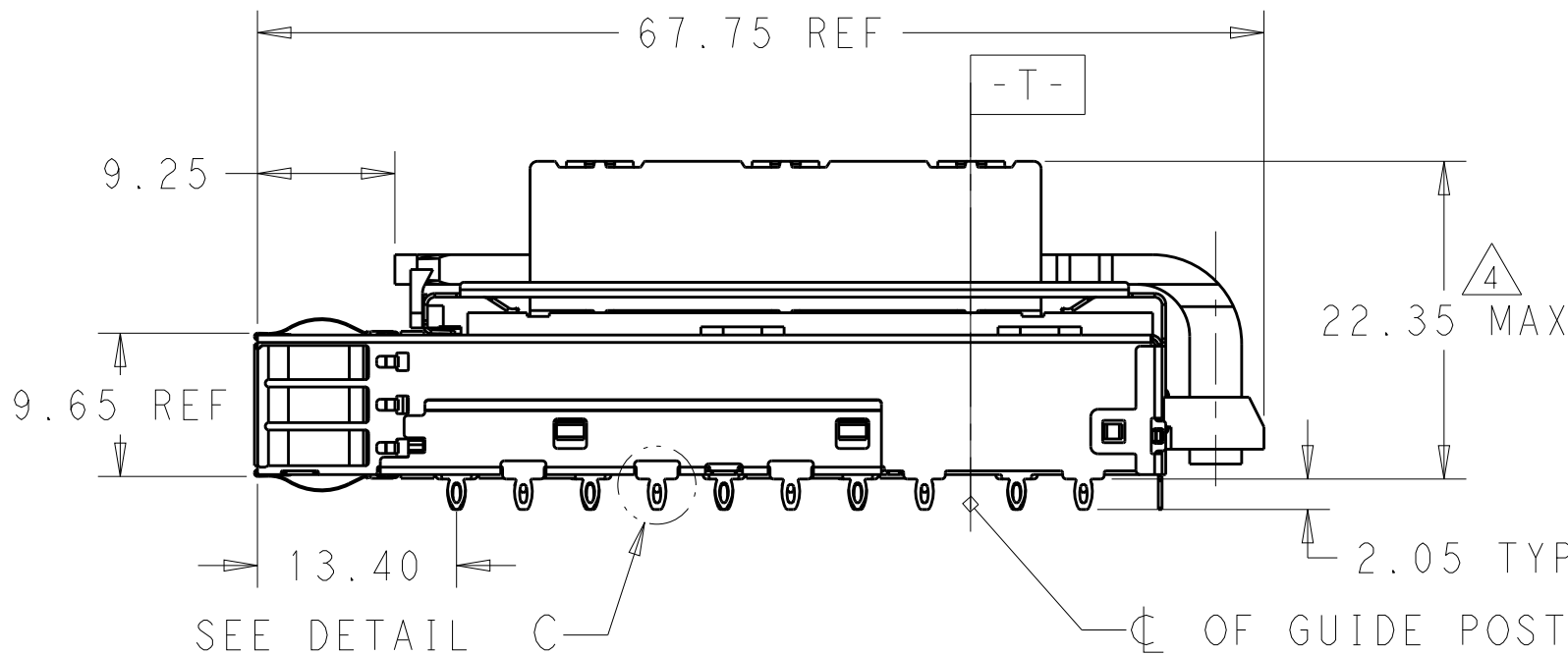
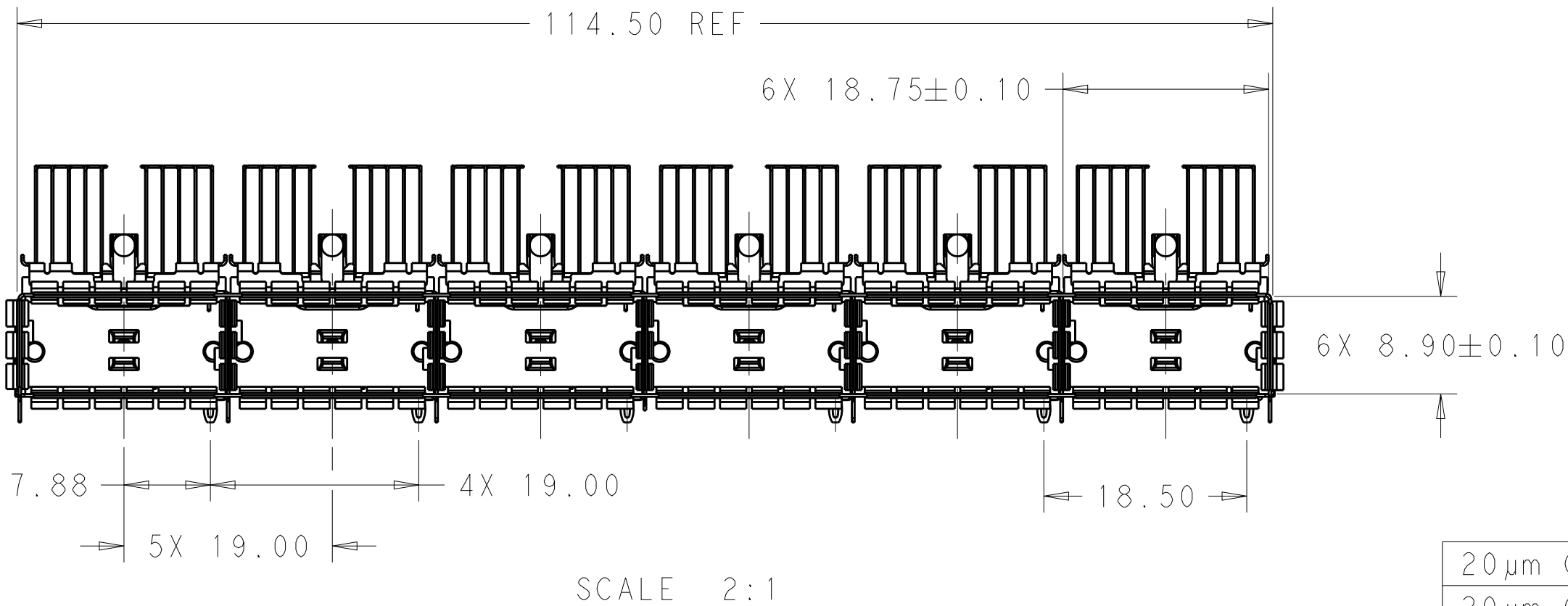
6. MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN

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

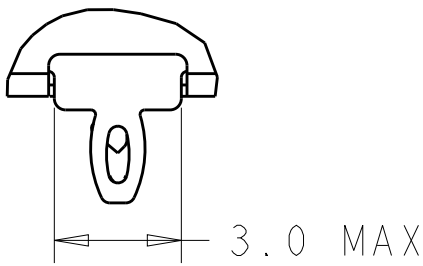
8. REMOVED.

9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

10. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.



20µm COATING ON TOP AND SIDE SURFACE, 16µm ON BOTTOM SURFACE	1-2338988-2
20µm COATING ON TOP AND SIDE SURFACE, 16µm ON BOTTOM SURFACE	1-2338988-1
NO COATING	2338988-2
NO COATING	2338988-1
LIGHT PIPE	PART NUMBER

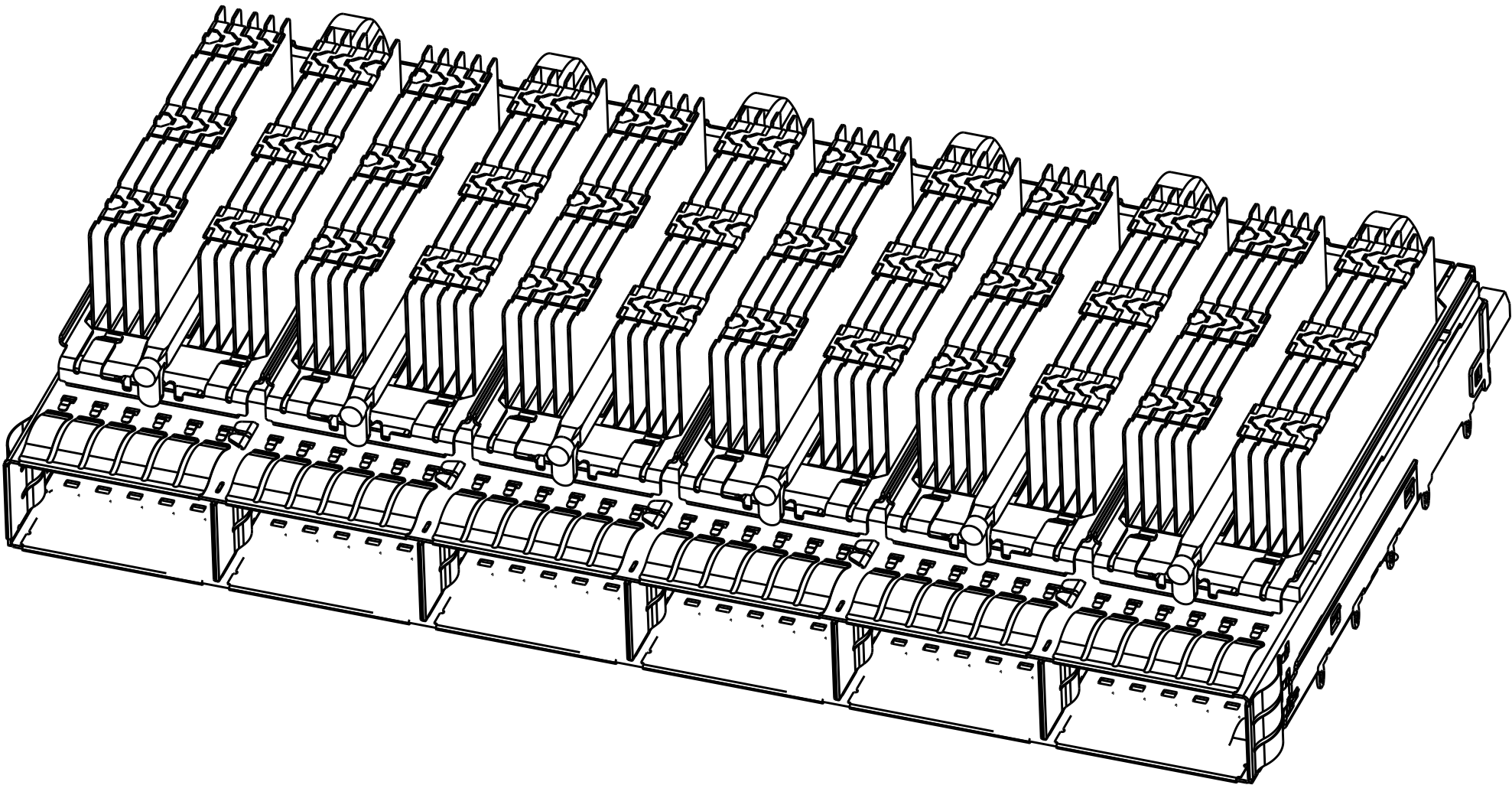


DETAIL C
SCALE 6:1

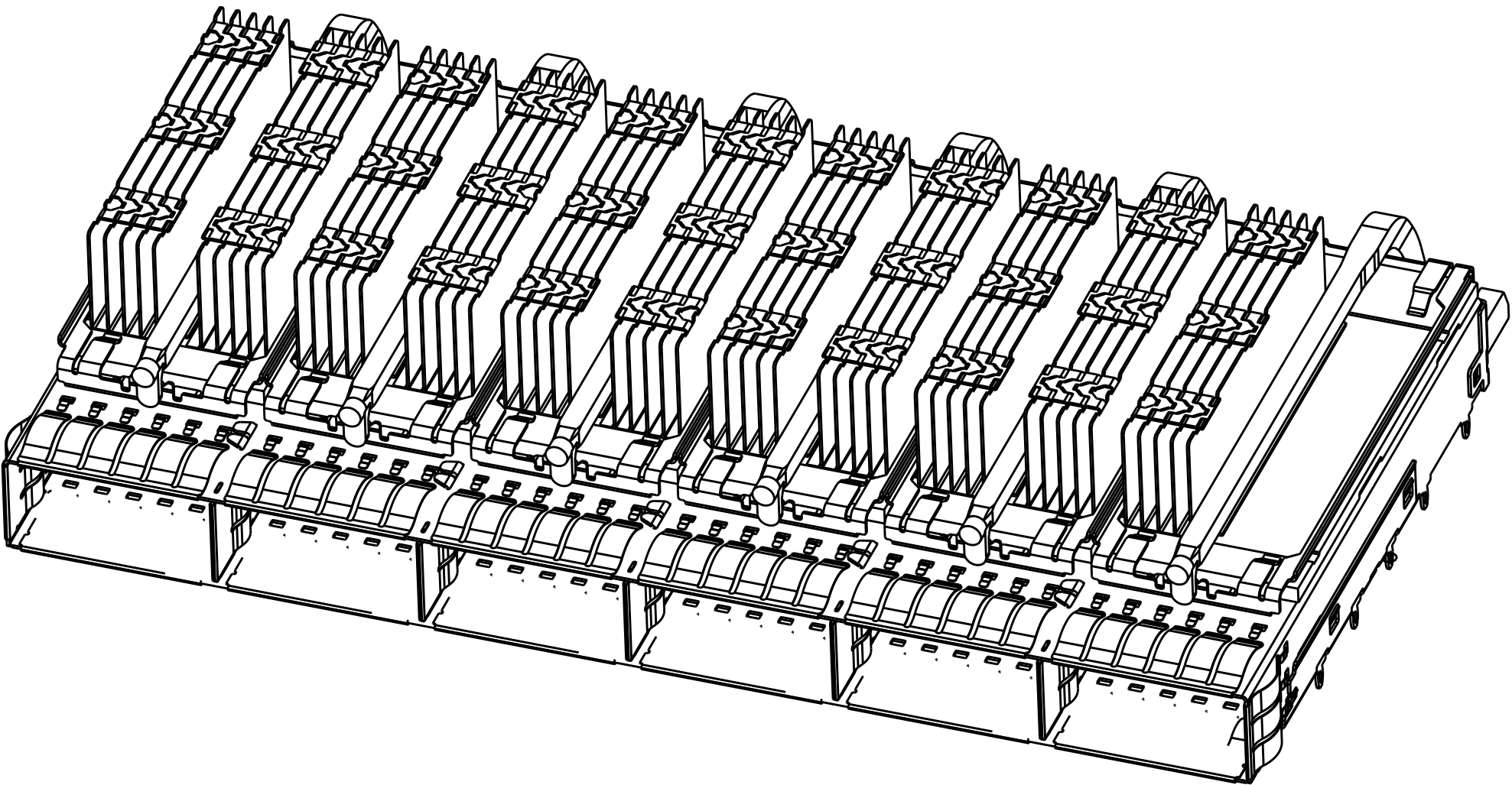
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 27JUN2018	TE Connectivity		
DIMENSIONS: mm		CHK SEAN HAN 27JUN2018			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SEAN HAN 27JUN2018	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± FINISH		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -	SIZE A200779		
MATERIAL SEE NOTES		CUSTOMER DRAWING		SCALE 3:1	SHEET 1 OF 7
				REV A1	

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

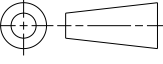
HEAT SINK OPTION

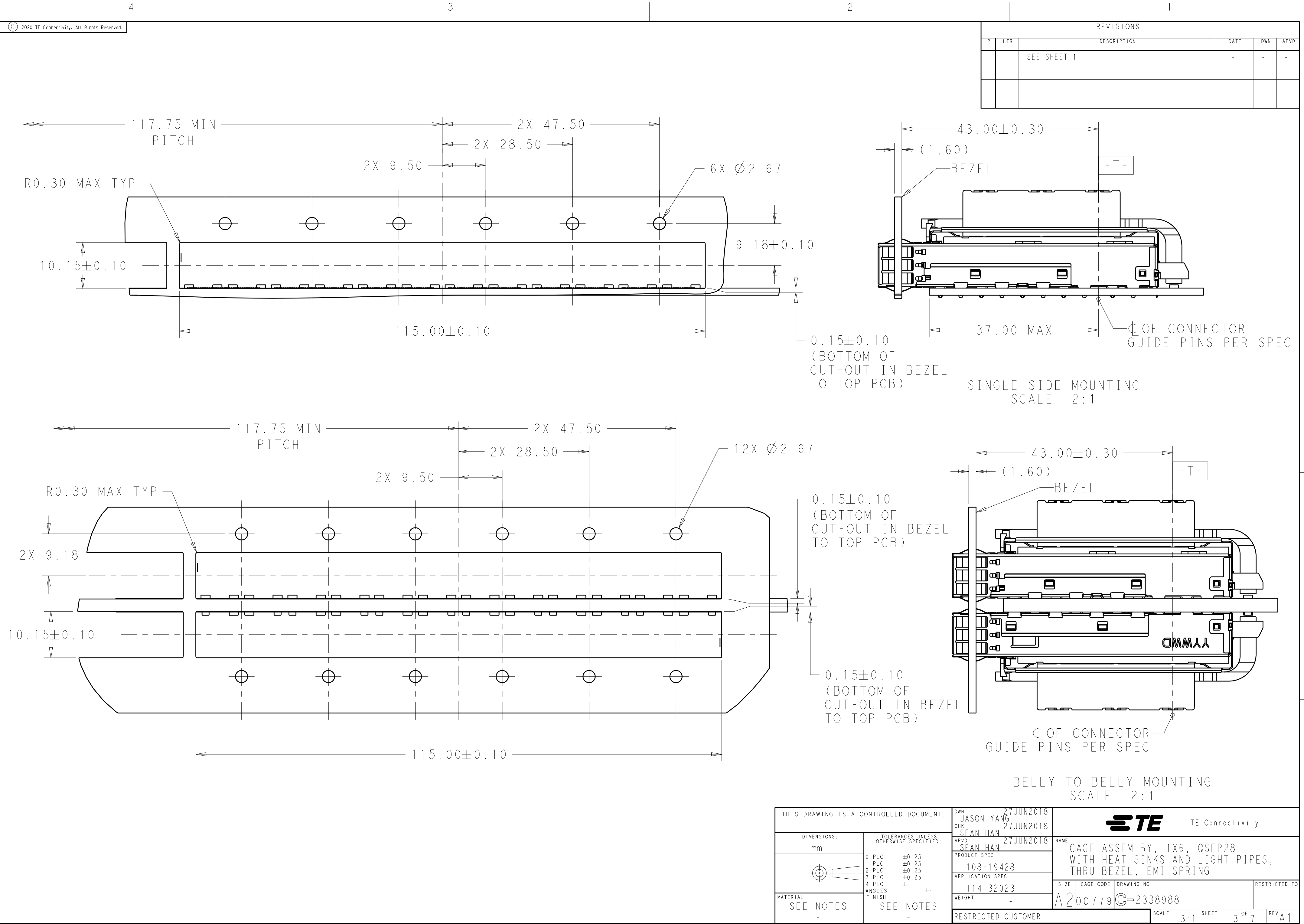


2338988-1/1-2338988-1
SCALE 2:1

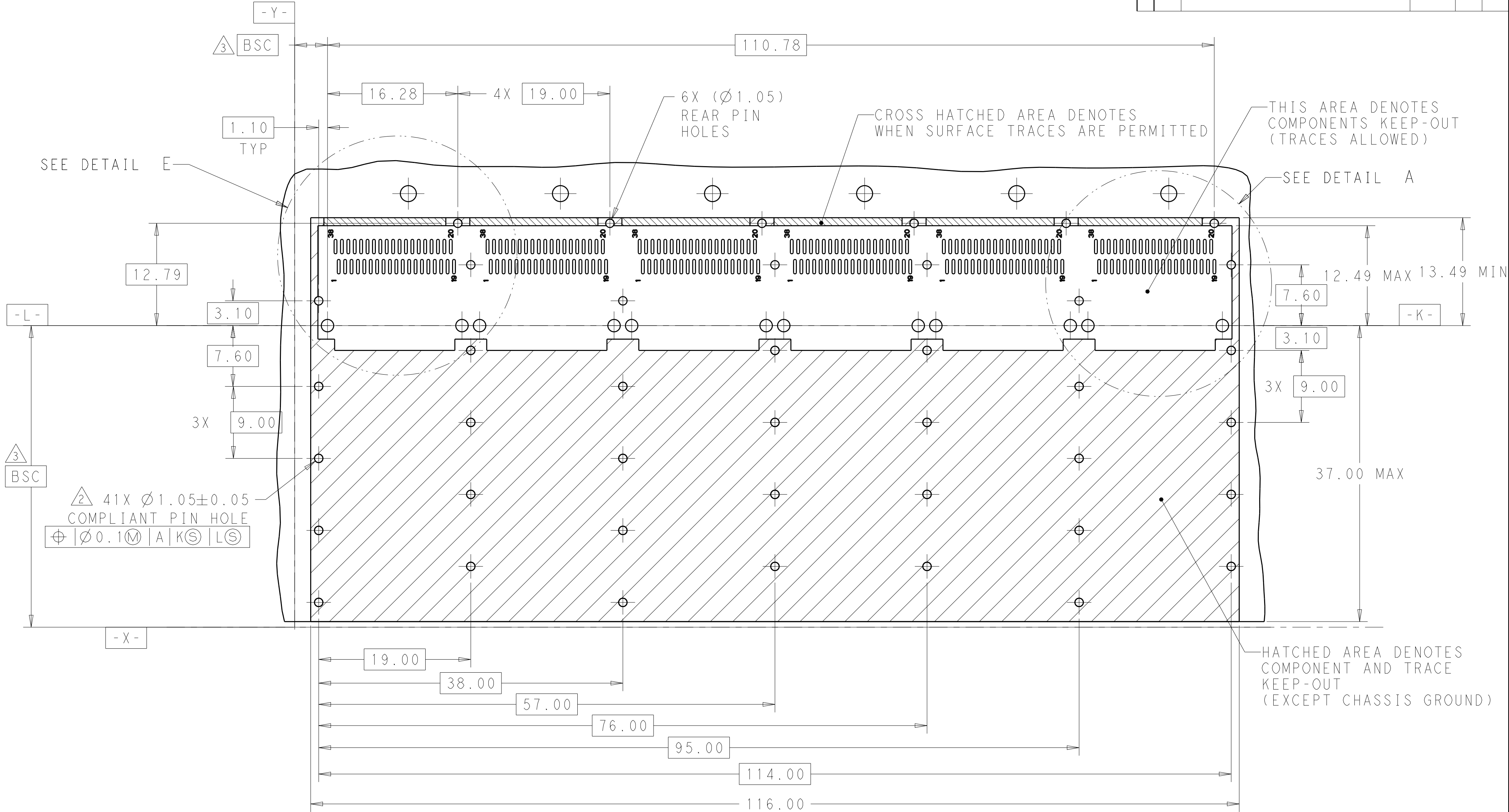


2338988-2/1-2338988-2
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 27JUN2018	 TE Connectivity		
DIMENSIONS:		CHK SEAN HAN 27JUN2018			
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD SEAN HAN 27JUN2018	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING		
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± FINISH	PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -			
MATERIAL SEE NOTES -	SEE NOTES -	RESTRICTED CUSTOMER	SIZE A2	CAGE CODE 00779	DRAWING NO C-2338988
			RESTRICTED TO	SCALE 3:1	SHEET 2 OF 7
				REV A1	



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



RECOMMENDED PCB LAYOUT
SINGLE TYPE
PCB TOLERANCE: ±0.05
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 27JUN2018	TE Connectivity		
DIMENSIONS: mm		CHK SEAN HAN 27JUN2018			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SEAN HAN 27JUN2018	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±°		PRODUCT SPEC 108-19428	SIZE 114-32023		
MATERIAL SEE NOTES		APPLICATION SPEC 114-32023	RESTRICTED TO		
FINISH SEE NOTES		WEIGHT -	A200779C-2338988		
		RESTRICTED CUSTOMER	SCALE 3:1 SHEET 4 OF 7 REV A1		

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

THIS AREA DENOTES
COMPONENTS KEEP-OUT
(TRACES ALLOWED)

CROSS HATCHED AREA DENOTES
WHEN SURFACE TRACES ARE PERMITTED

SEE DETAIL B

12X (Ø1.05)
REAR PIN HOLES

12.49 MAX 13.49 MIN

37.00 MAX

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

RECOMMENDED PCB LAYOUT
BELLY TO BELLY TYPE
PCB TOLERANCE: ±0.05
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 27JUN2018	 TE Connectivity		
DIMENSIONS: mm		CHK SEAN HAN 27JUN2018			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SEAN HAN 27JUN2018	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± FINISH		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -	SIZE A200779		
MATERIAL SEE NOTES		RESTRICTED CUSTOMER	DRAWING NO C-2338988		
			RESTRICTED TO		
			SCALE 3:1 SHEET 5 OF 7 REV A1		

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

D

D

C

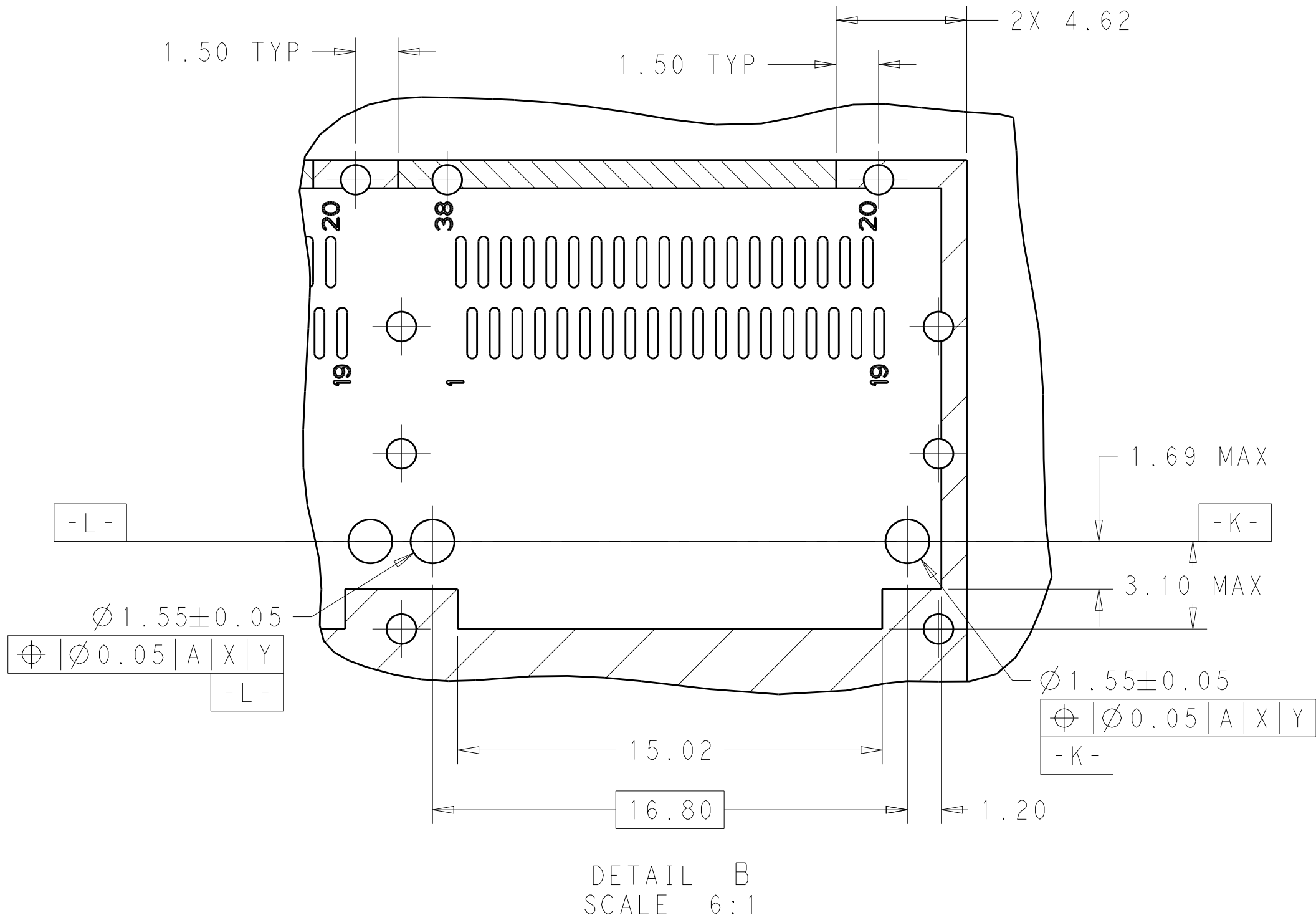
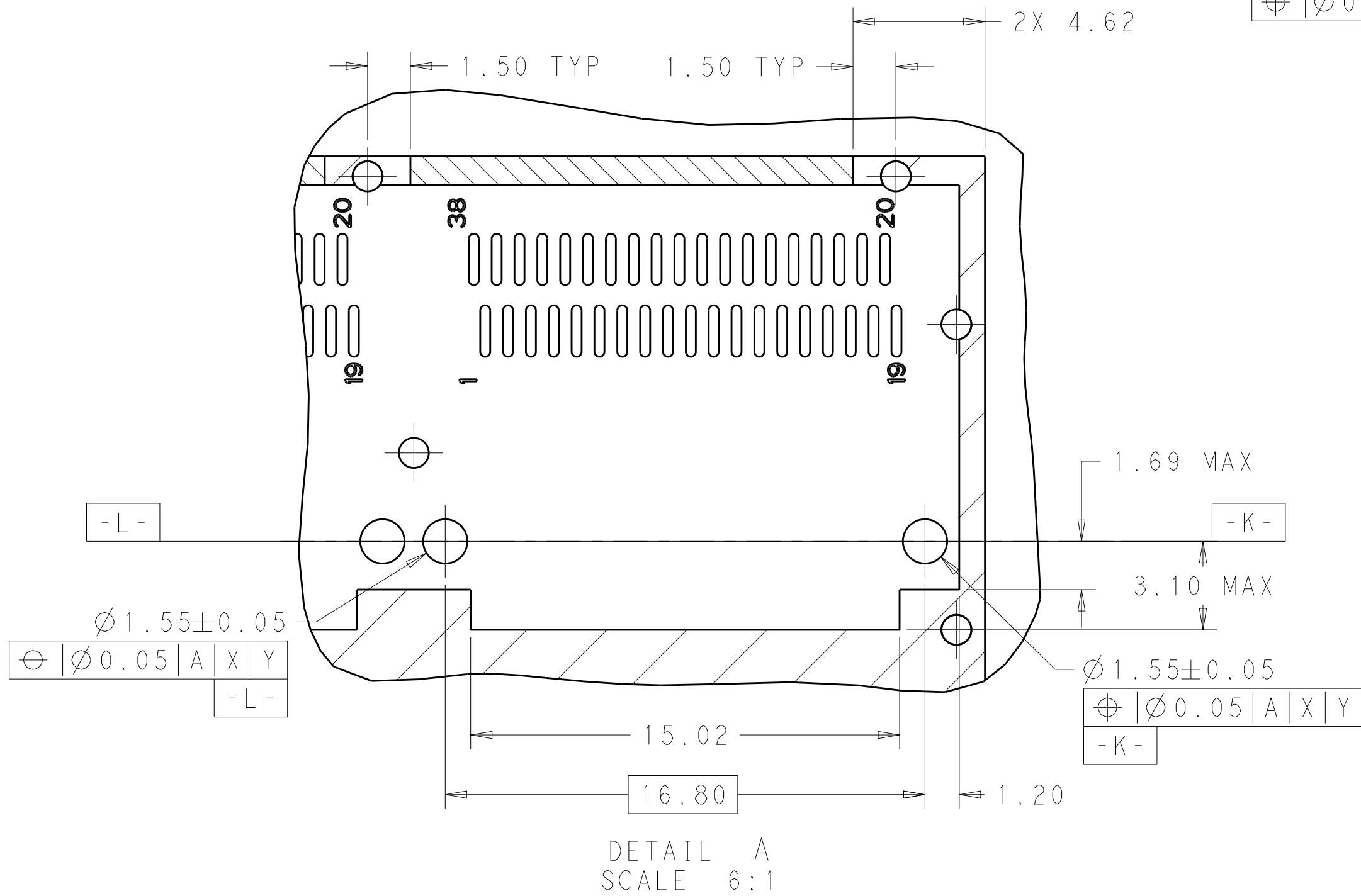
C

B

B

A

A



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 27JUN2018	TE Connectivity		
DIMENSIONS:		CHK SEAN HAN 27JUN2018			
mm		APVD SEAN HAN 27JUN2018	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-19428	SIZE A200779		
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±°		APPLICATION SPEC 114-32023	CAGE CODE C-2338988		
FINISH SEE NOTES		WEIGHT -	DRAWING NO 114-32023		
MATERIAL SEE NOTES		RESTRICTED CUSTOMER	RESTRICTED TO		
		SCALE 3:1	SHEET 6 OF 7		
			REV A1		

C

A



A

1471-9 (3/13)