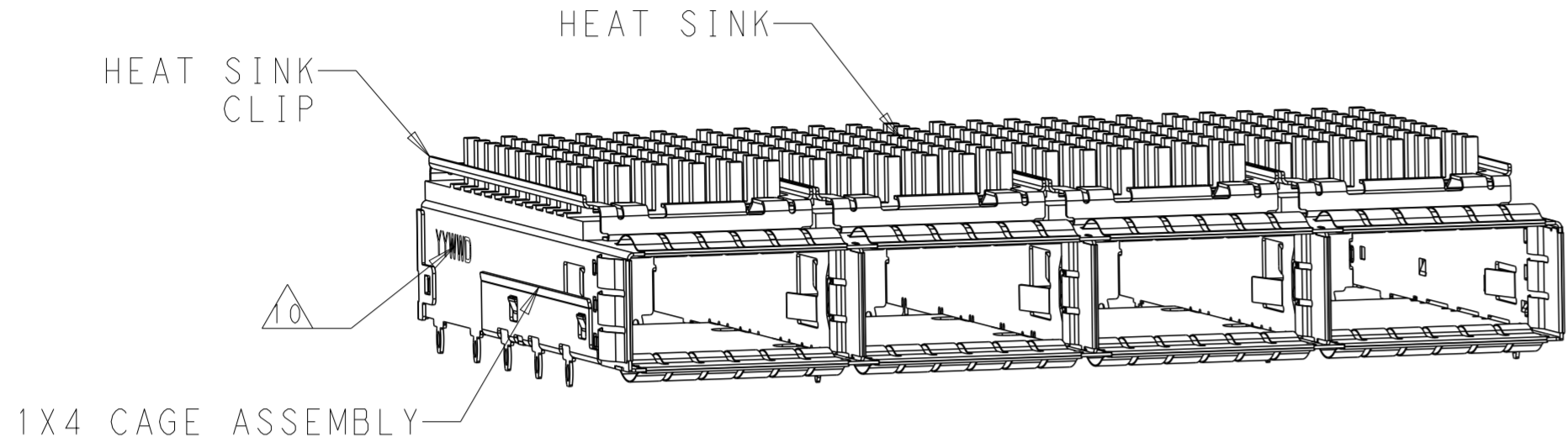


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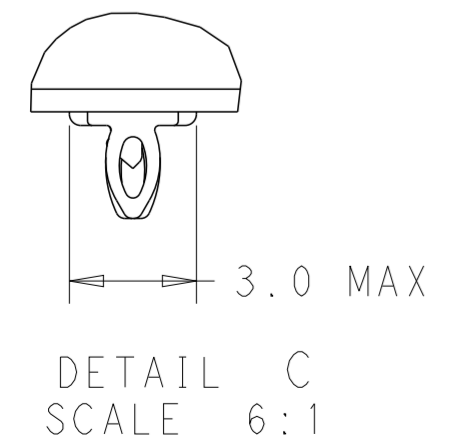
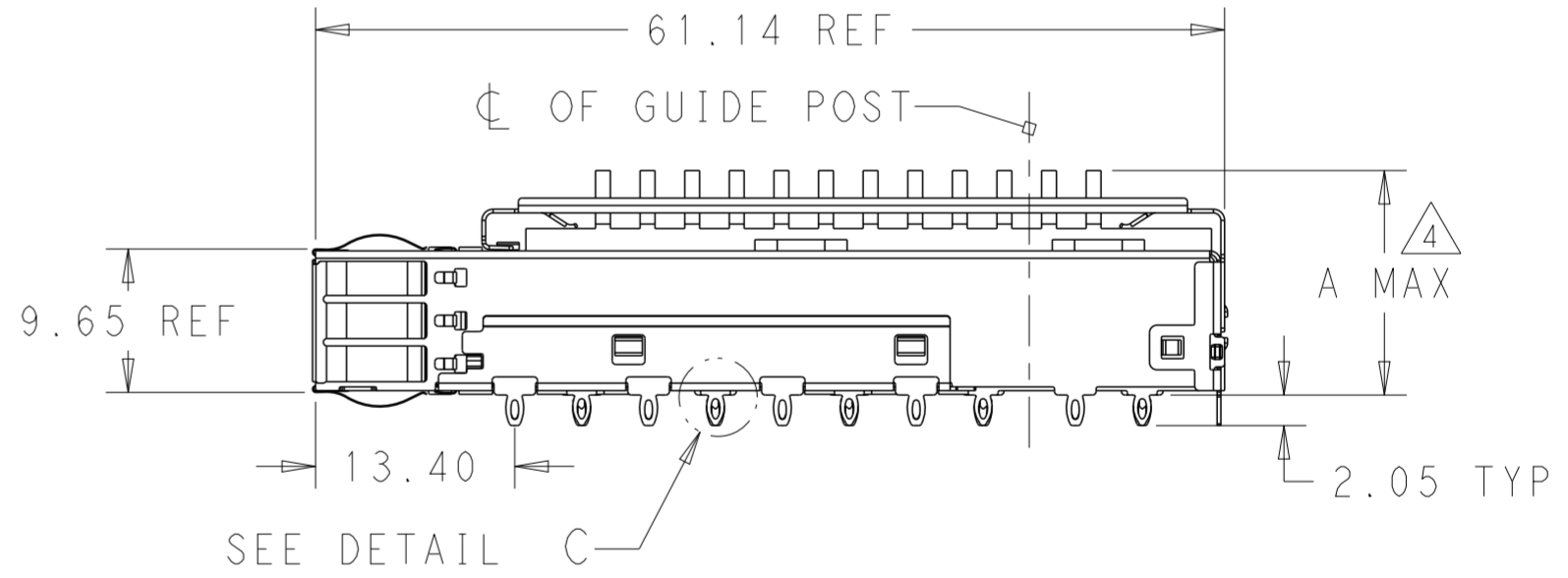
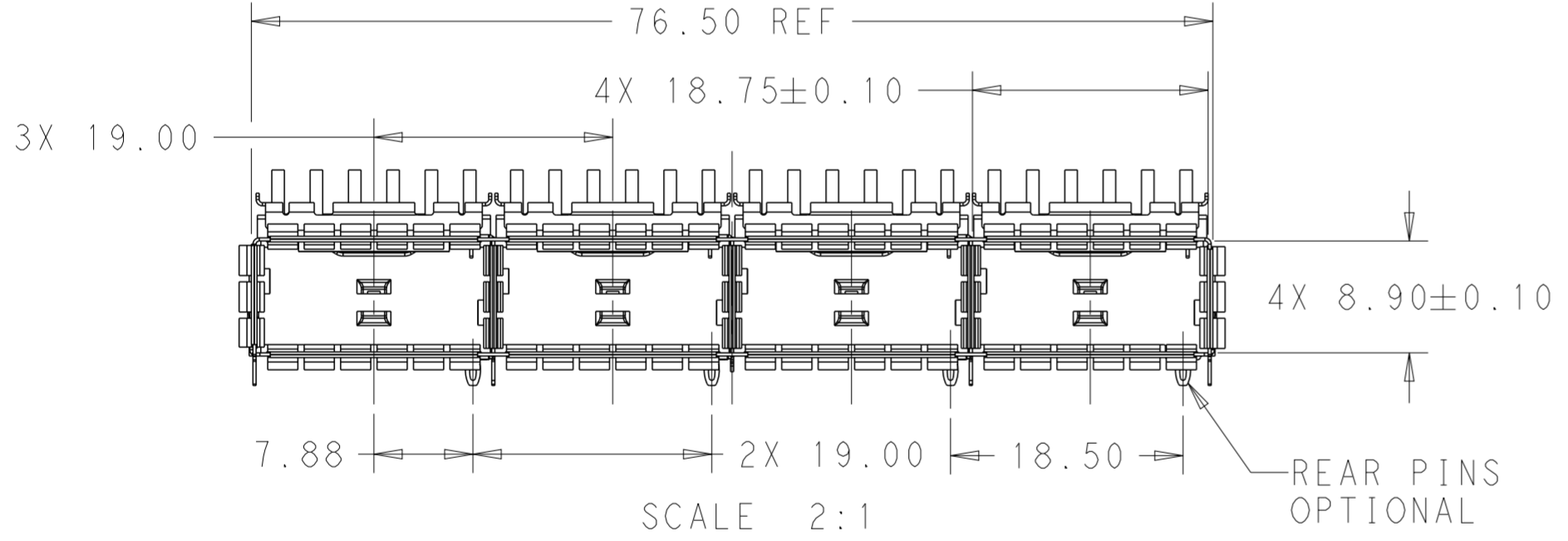
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
B		REVISED PER ECO-17-007422	23MAY2017	JY SH
C		REVISED PER ECO-17-011898	15AUG2017	JY SH
D		REVISED PER ECO-18-012273	06JUL2018	JY SH
D2		REVISED PER ECN-22-187709	03NOV2022	TP SZ

- COMPONENTS
 CAGE ASSEMBLY: NICKEL-SILVER ALLOY
 HEAT SINK: ALUMINUM/BLACK ANODIZE
 ZIPPER FIN HS: ALUMINUM/NICKEL PLATE
 ZIPPER FIN HS BASE: ALUMINUM/NICKEL PLATE
 ZIPPER FIN HS BASE(ONLY FOR 1--0): COPPER/NICKEL PLATE
 HEAT SINK CLIP: STAINLESS STEEL
 EMI SPRING: COPPER ALLOY/NICKEL PLATE
 LIGHT PIPE: CLEAR POLYCARBONATE



2170745-2 AS SHOWN
 SCALE 2:1

- REFERENCE APPLICATION SPECIFICATION 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
- DIMENSION APPLIES WITH MODULE INSERTED IN CAGE
- HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES ARE SHIPPED ASSEMBLED ON CAGE
- MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN
 DOUBLE SIDED: 2.20 MIN
- DATUM **-A-** IS TOP SURFACE OF THE HOST BOARD.
- THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
- MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
- DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
- PN 2170745-7 IS RESTRICTED TO GOOG.



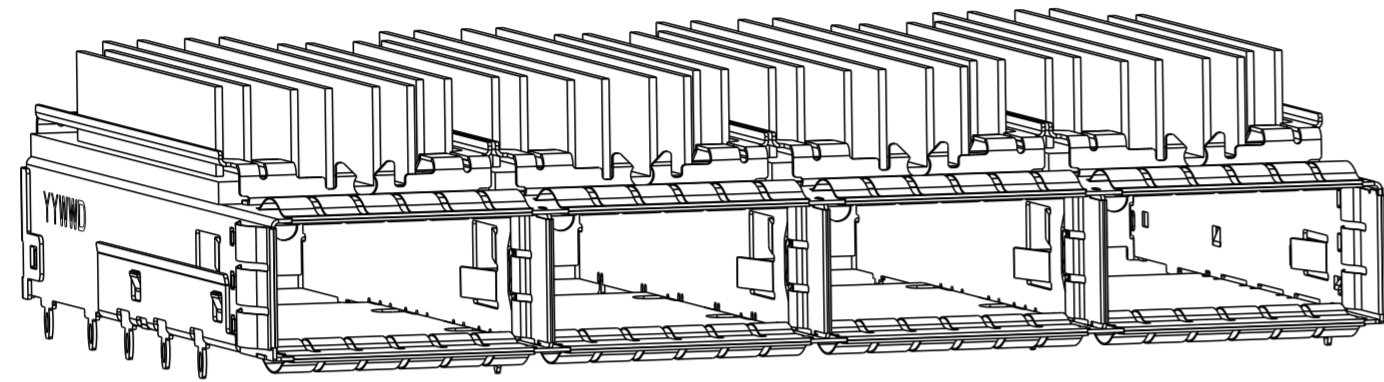
14.65	-	WITH	CUSTOMIZED, ZIPPER FIN HS	1-2170745-2
17.25	2	WITH	CUSTOMIZED, ZIPPER FIN HS	1-2170745-1
14.0	-	WITHOUT	CUSTOMIZED, ZIPPER FIN HS	1-2170745-0
16.0	-	WITH	SAN, FIN TYPE	2170745-9
16.0	-	WITHOUT	SAN, FIN TYPE	2170745-8
18.05	-	WITHOUT	CUSTOMIZED, FIN TYPE	2170745-7 ¹¹
23.0	-	WITHOUT	NETWORKING, PIN TYPE	2170745-6
16.0	-	WITHOUT	SAN, PIN TYPE	2170745-5
13.7	-	WITHOUT	PCI, PIN TYPE	2170745-4
23.0	-	WITH	NETWORKING, PIN TYPE	2170745-3
16.0	-	WITH	SAN, PIN TYPE	2170745-2
13.7	-	WITH	PCI, PIN TYPE	2170745-1
DIM A	LP PER	REAR PINS OPTIONAL	APPLICATION	PART NUMBER

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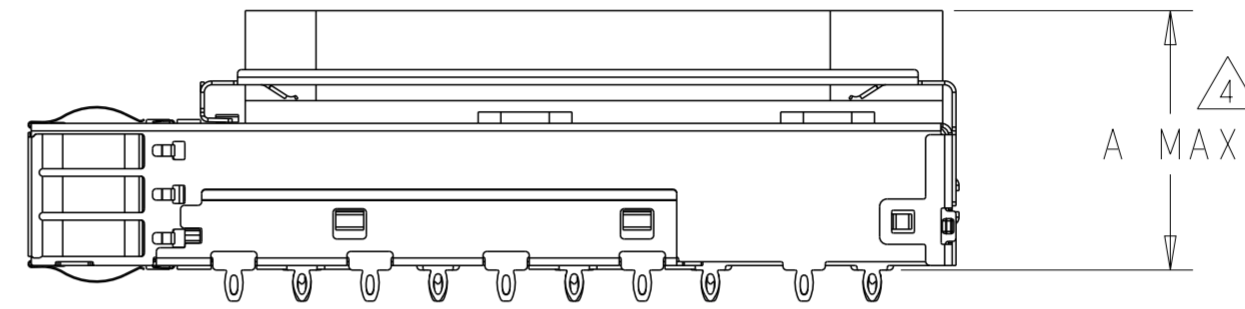
DWN JASON YANG 25 JUN 2014	TE Connectivity
CHK SEAN HAN 11 JAN 2016	
APVD	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28
PRODUCT SPEC 108-19428	SIZE A2
APPLICATION SPEC 114-32023	CAGE CODE 00779
WEIGHT	DRAWING NO C-2170745
CUSTOMER DRAWING	RESTRICTED TO
SCALE 1:1	SHEET 1 OF 8
REV D2	

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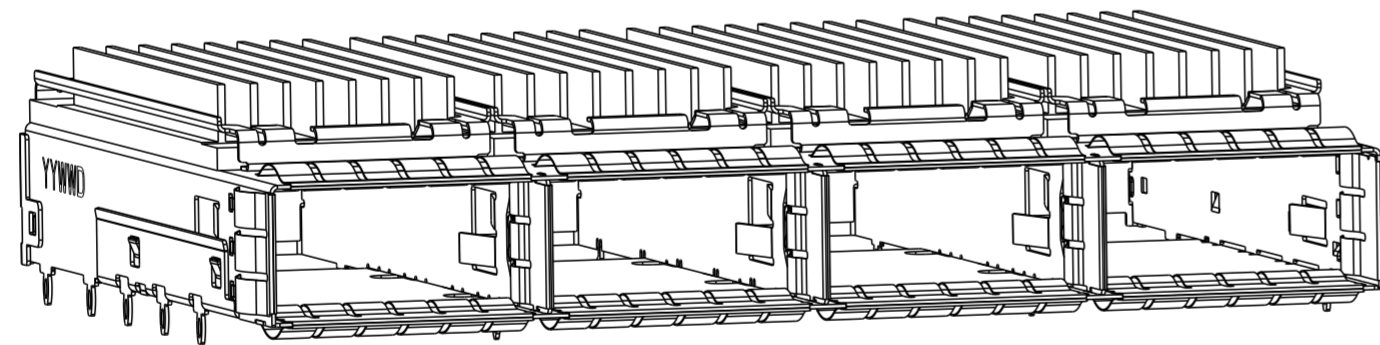
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-



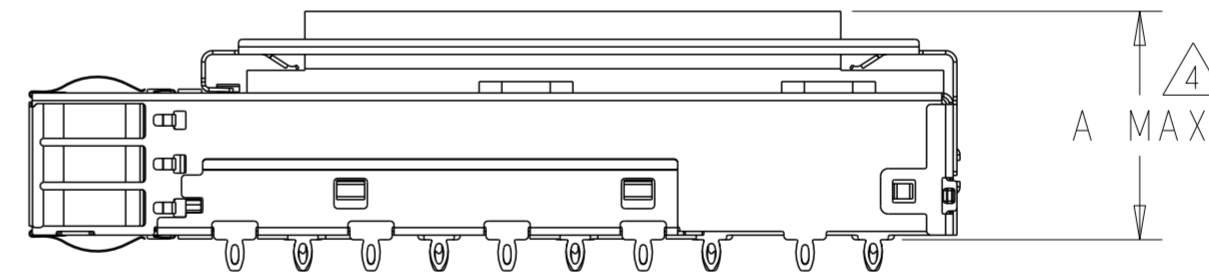
2170745-7 AS SHOWN \triangle
 WITH CUSTOMIZED FIN TYPE HEAT SINK AND LP FEATURE
 SCALE 2:1



SCALE 2:1



2170745-8 AS SHOWN
 WITH FIN TYPE HEAT SINK
 SCALE 2:1

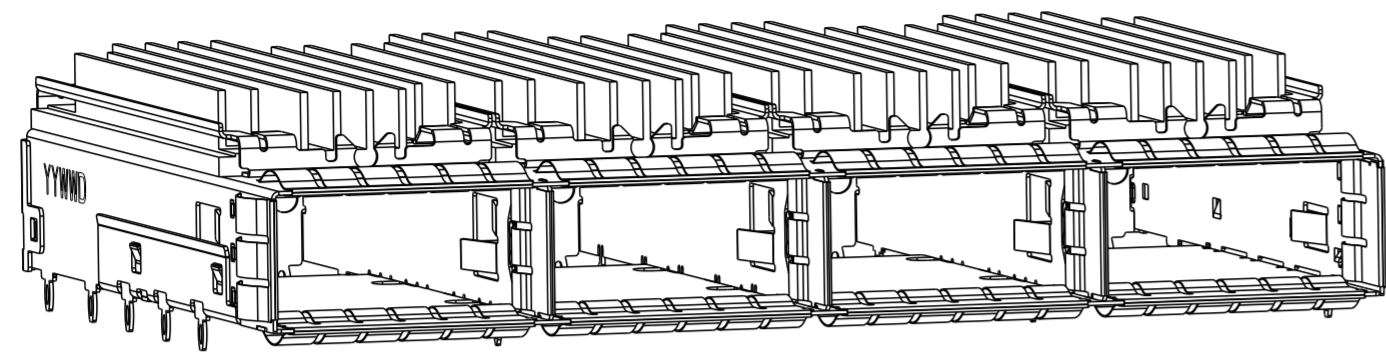


SCALE 2:1

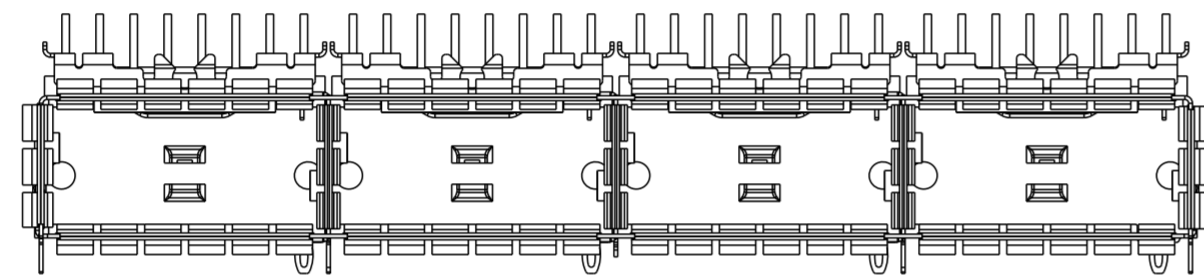
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 25 JUN 2014	TE Connectivity	
		CHK SEAN HAN 11 JAN 2016		
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD -	NAME	RESTRICTED TO
mm	0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH	PRODUCT SPEC 108-19428	RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28	-
MATERIAL SEE NOTES	SEE NOTES	APPLICATION SPEC 114-32023	SIZE A200779	CAGE CODE C-2170745
		WEIGHT -	DRAWING NO C-2170745	SCALE 1:1 SHEET 2 OF 8 REV D2
		CUSTOMER DRAWING		

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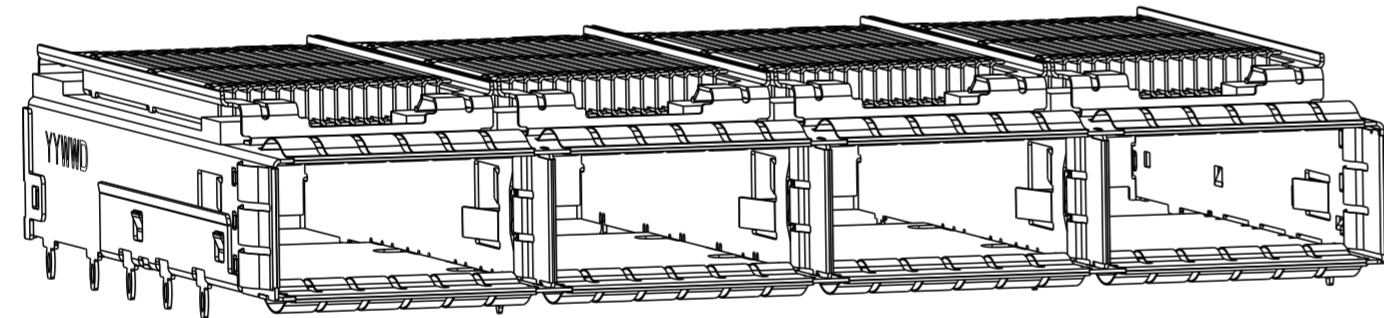
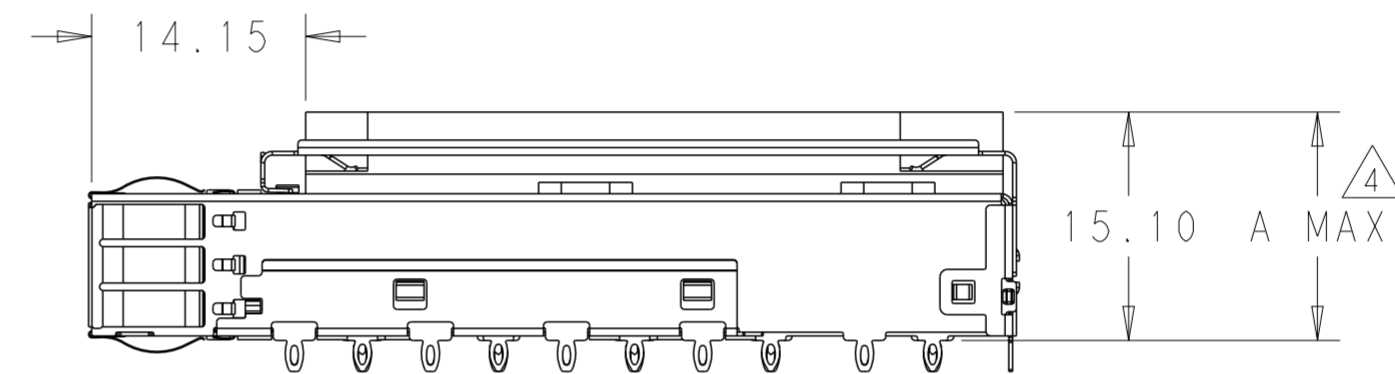
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-



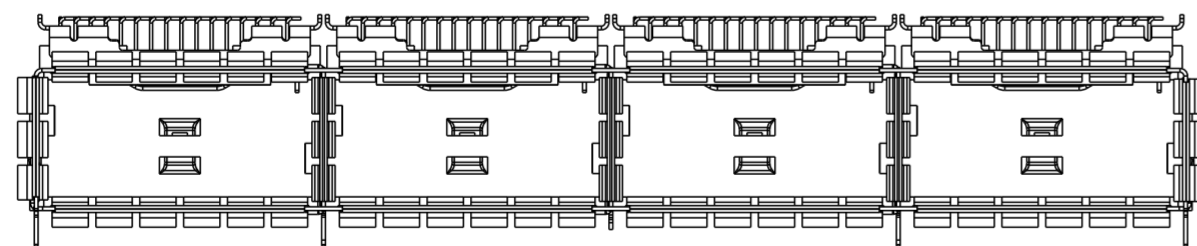
2170745-9 AS SHOWN
 WITH CUSTOMIZED FIN TYPE HEAT SINK
 SCALE 2:1



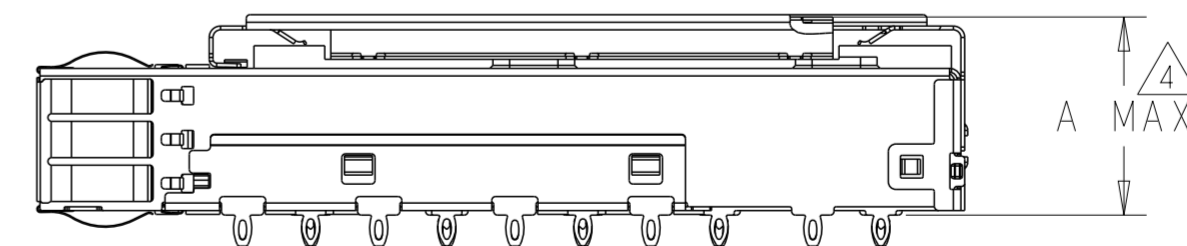
SCALE 2:1


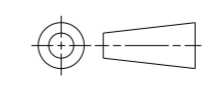


1-2170745-0 AS SHOWN
 WITH CUSTOMIZED ZIPPER FIN HEAT SINK
 SCALE 2:1



SCALE 2:1

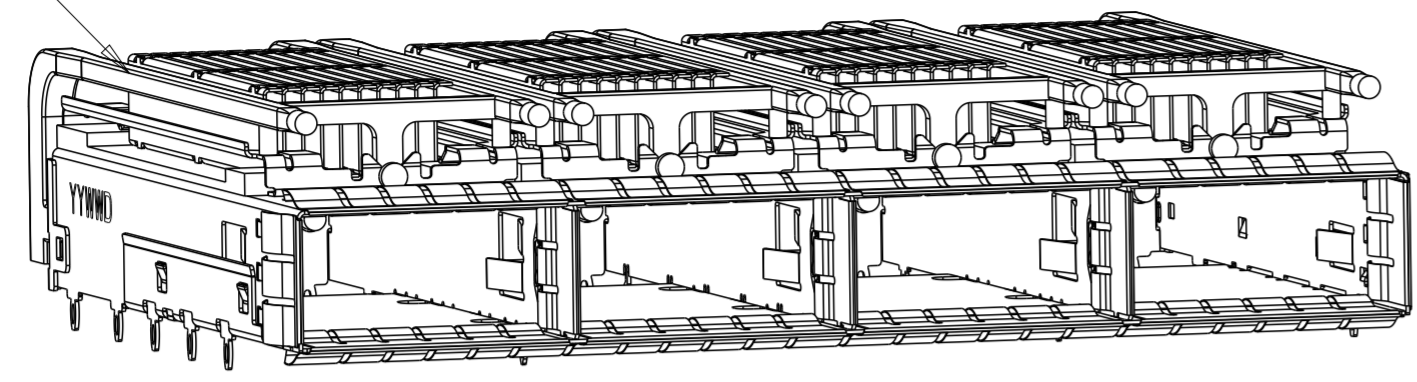


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 25 JUN 2014	 TE Connectivity	
		CHK SEAN HAN 11 JAN 2016		
DIMENSIONS:		APVD		NAME
mm		PRODUCT SPEC		RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28
		APPLICATION SPEC		SIZE
0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH ±-		114-32023		CAGE CODE
MATERIAL		WEIGHT		DRAWING NO
SEE NOTES		-		A200779
SEE NOTES		CUSTOMER DRAWING		DRAWING NO
-		SCALE 1:1		RESTRICTED TO
-		SHEET 3 OF 8		-
-		REV D2		

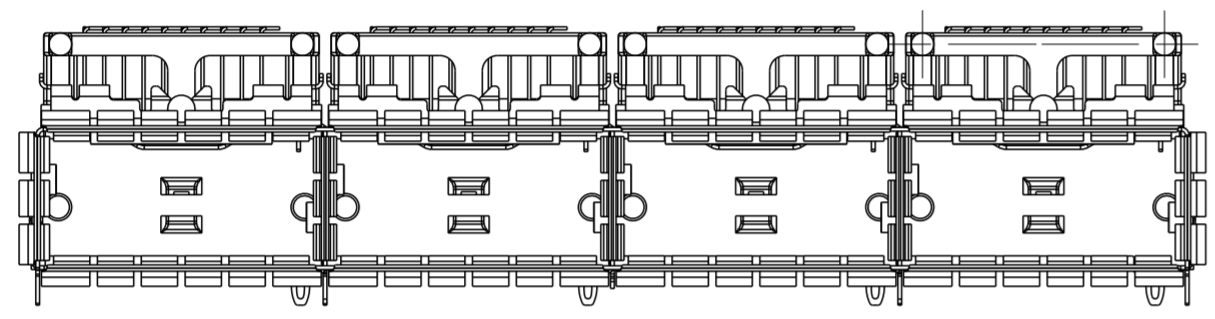
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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-

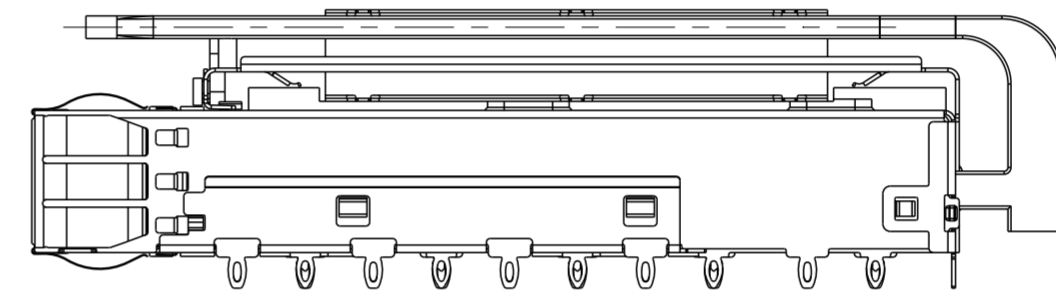
LIGHT PIPE



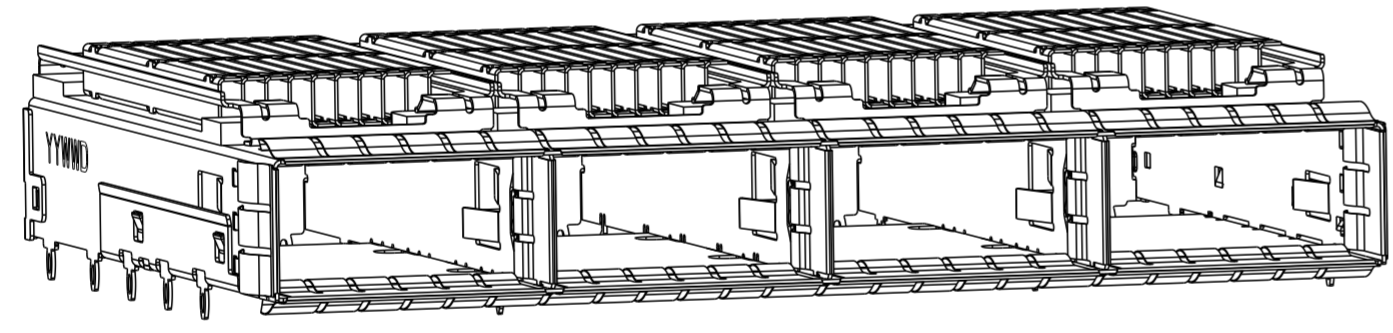
1-2170745-1 AS SHOWN
 WITH CUSTOMIZED ZIPPER FIN HEAT SINK
 SCALE 2:1



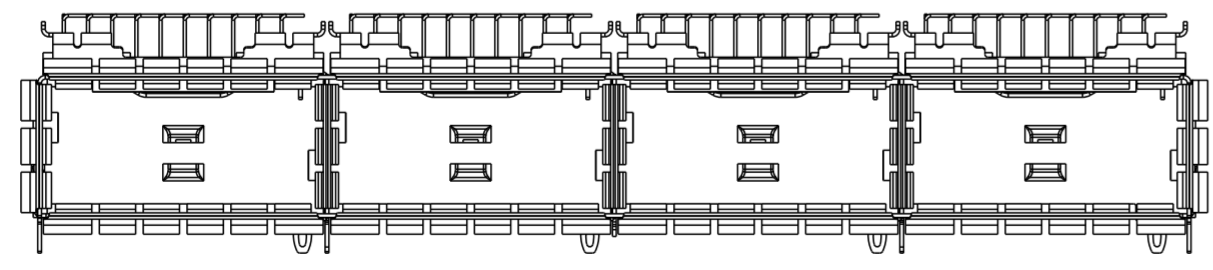
SCALE 2:1



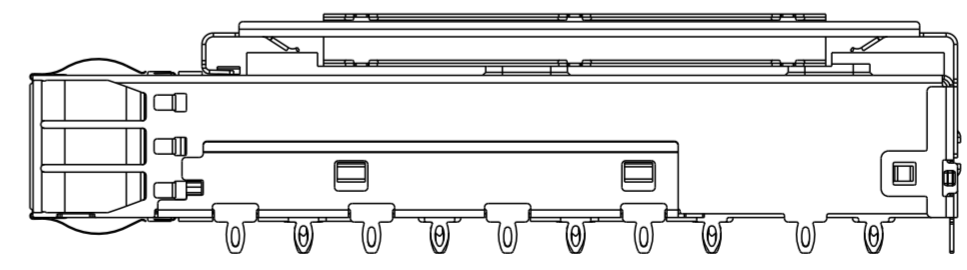
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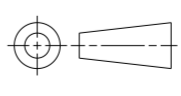
1-2170745-2 AS SHOWN
 WITH CUSTOMIZED ZIPPER FIN HEAT SINK
 SCALE 2:1



SCALE 2:1

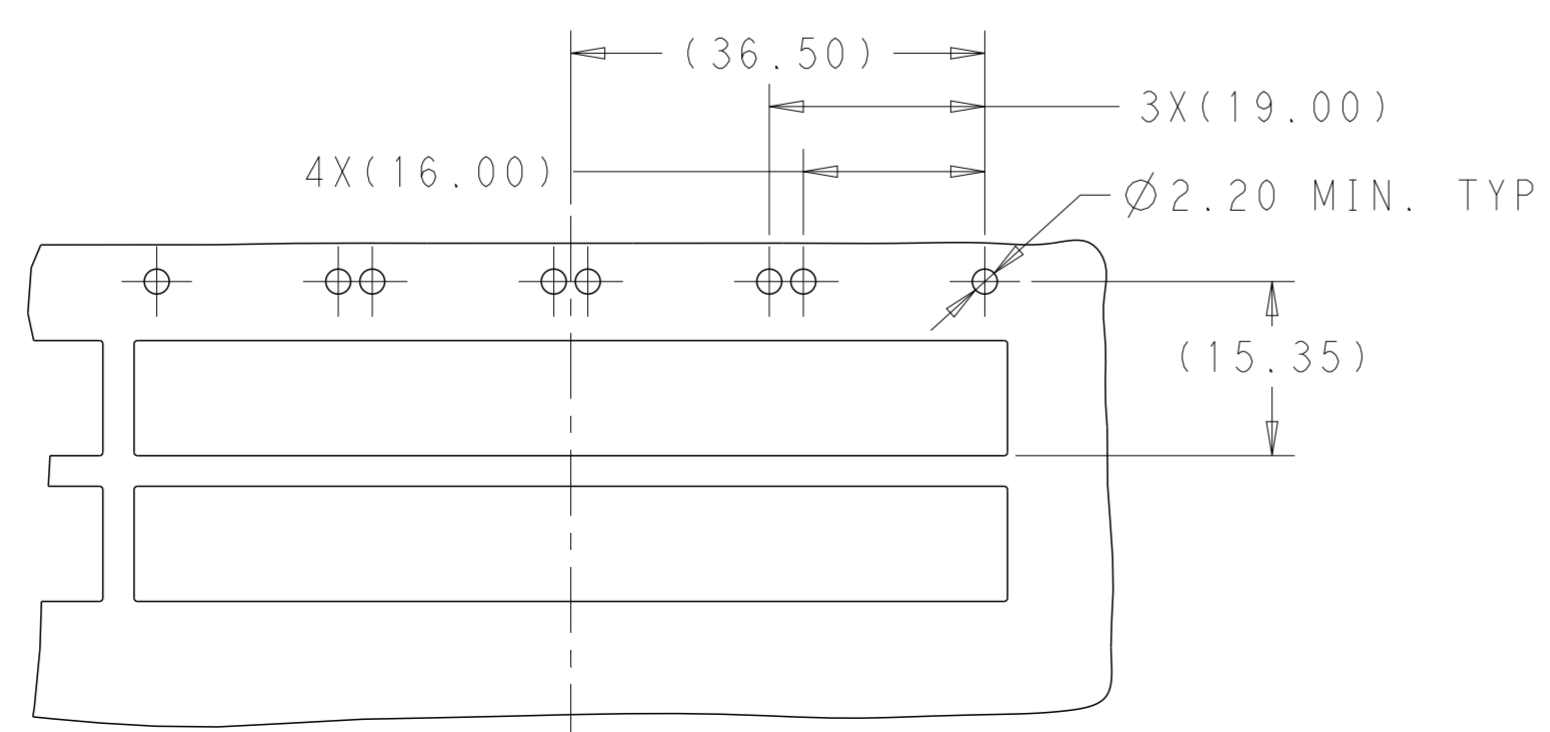
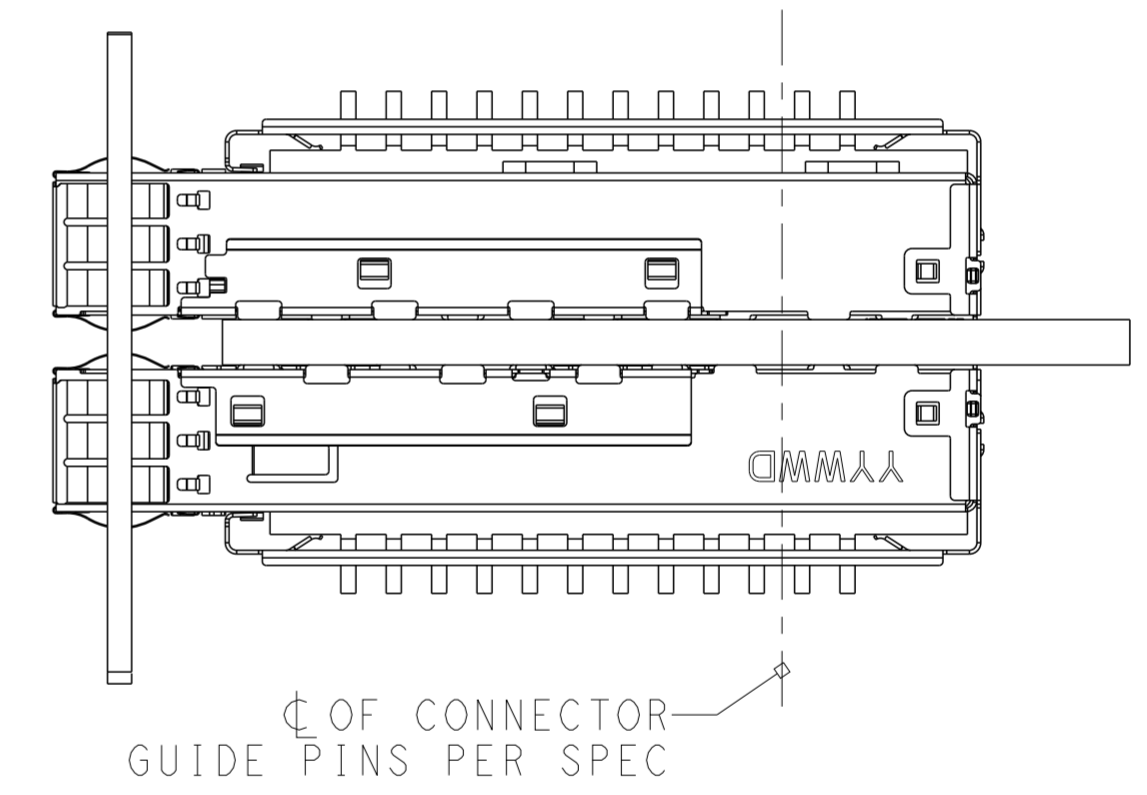
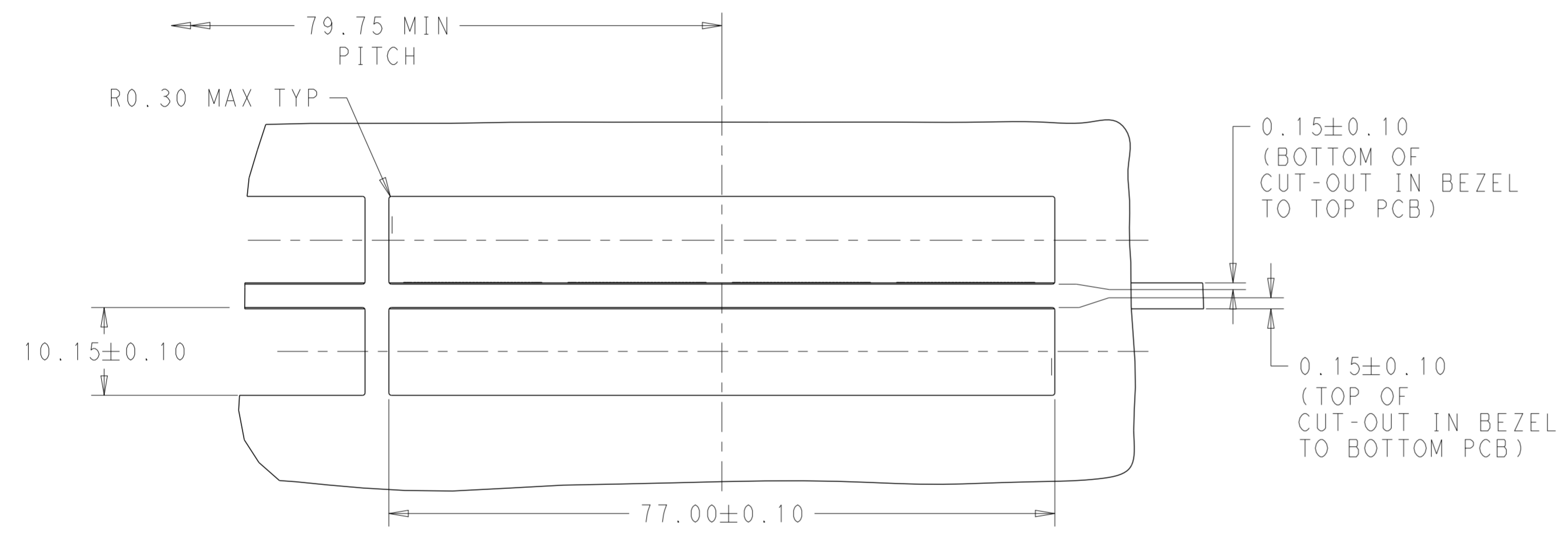
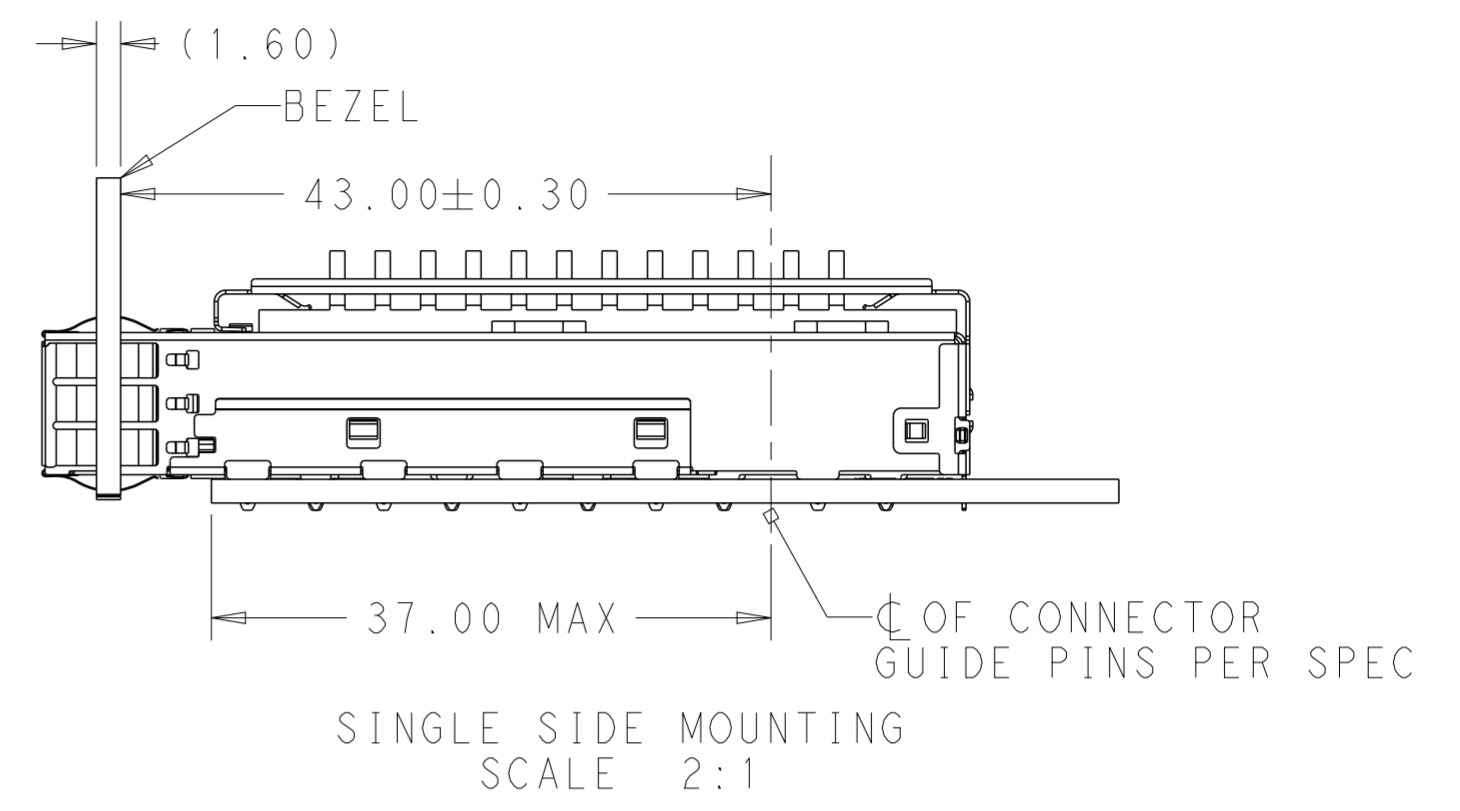
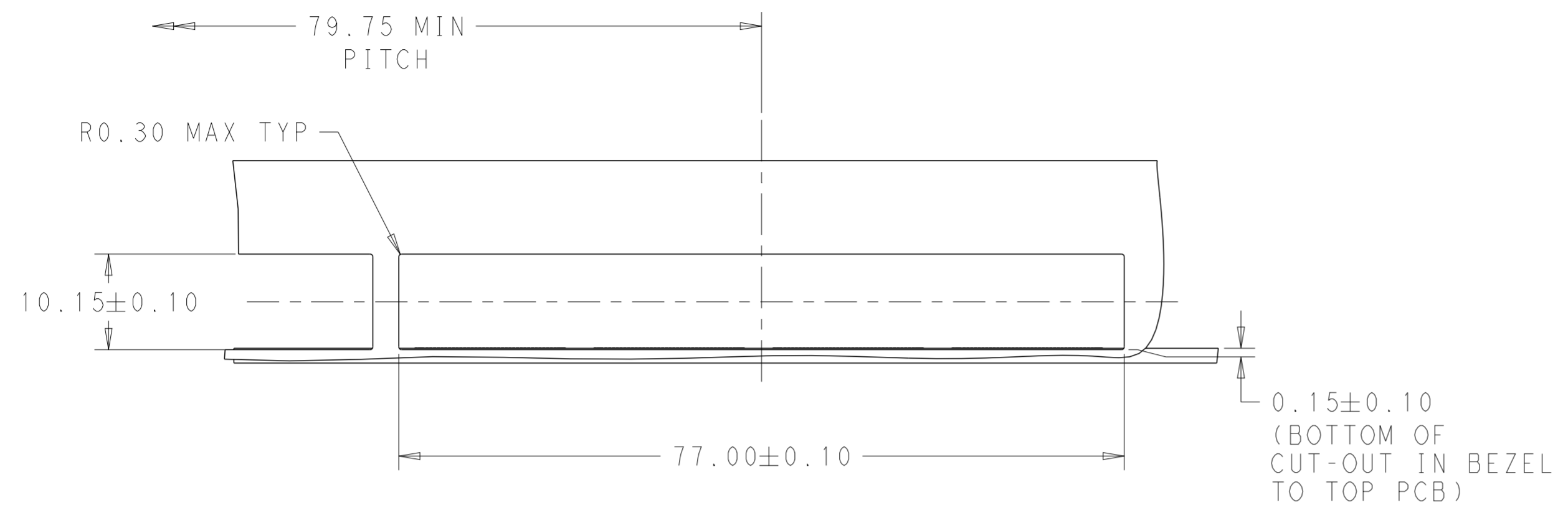


4

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		CHK 11 JAN 2016 SEAN HAN		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28
		0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		PRODUCT SPEC 108-19428
MATERIAL SEE NOTES		FINISH SEE NOTES		APPLICATION SPEC 114-32023
				SIZE CAGE CODE DRAWING NO A200779 C-2170745
				RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 1:1 SHEET 4 OF 8 REV D2

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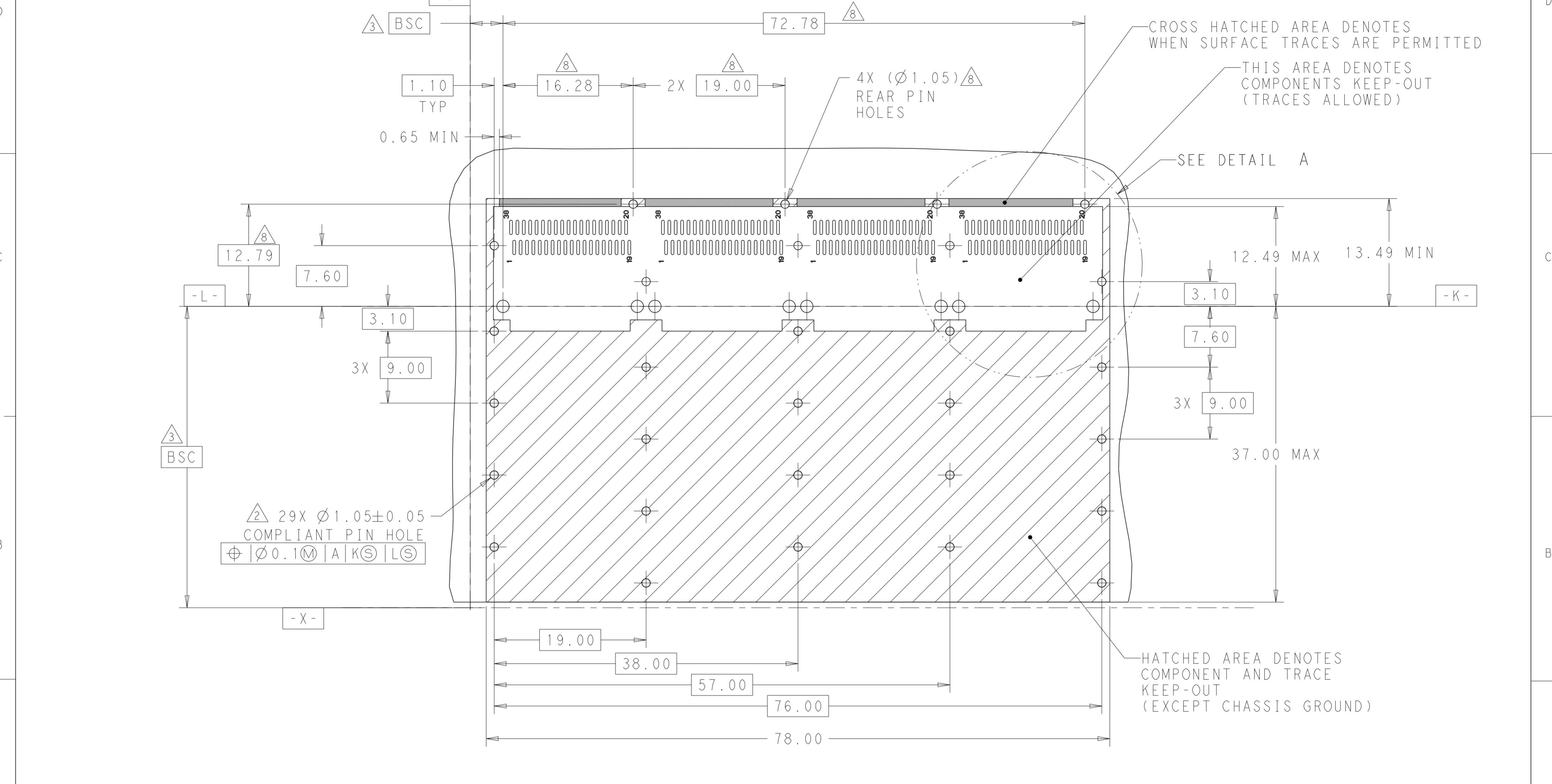
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



BELLY TO BELLY 2LP, SAME AS BELLY TO BELLY MOUNTING EXCEPT AS SHOWN FOR 1-2170745-1, 1-2170745-2
 SCALE 3:2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 25 JUN 2014 JASON YANG	TE Connectivity	
		CHK 11 JAN 2016 SEAN HAN		
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD -	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28	
mm	0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±	PRODUCT SPEC 108-19428	SIZE A200779	CAGE CODE C-2170745
MATERIAL SEE NOTES	FINISH SEE NOTES	APPLICATION SPEC 114-32023	DRAWING NO	RESTRICTED TO
		WEIGHT -	SCALE 1:1	SHEET 5 OF 8
		CUSTOMER DRAWING		REV D2

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

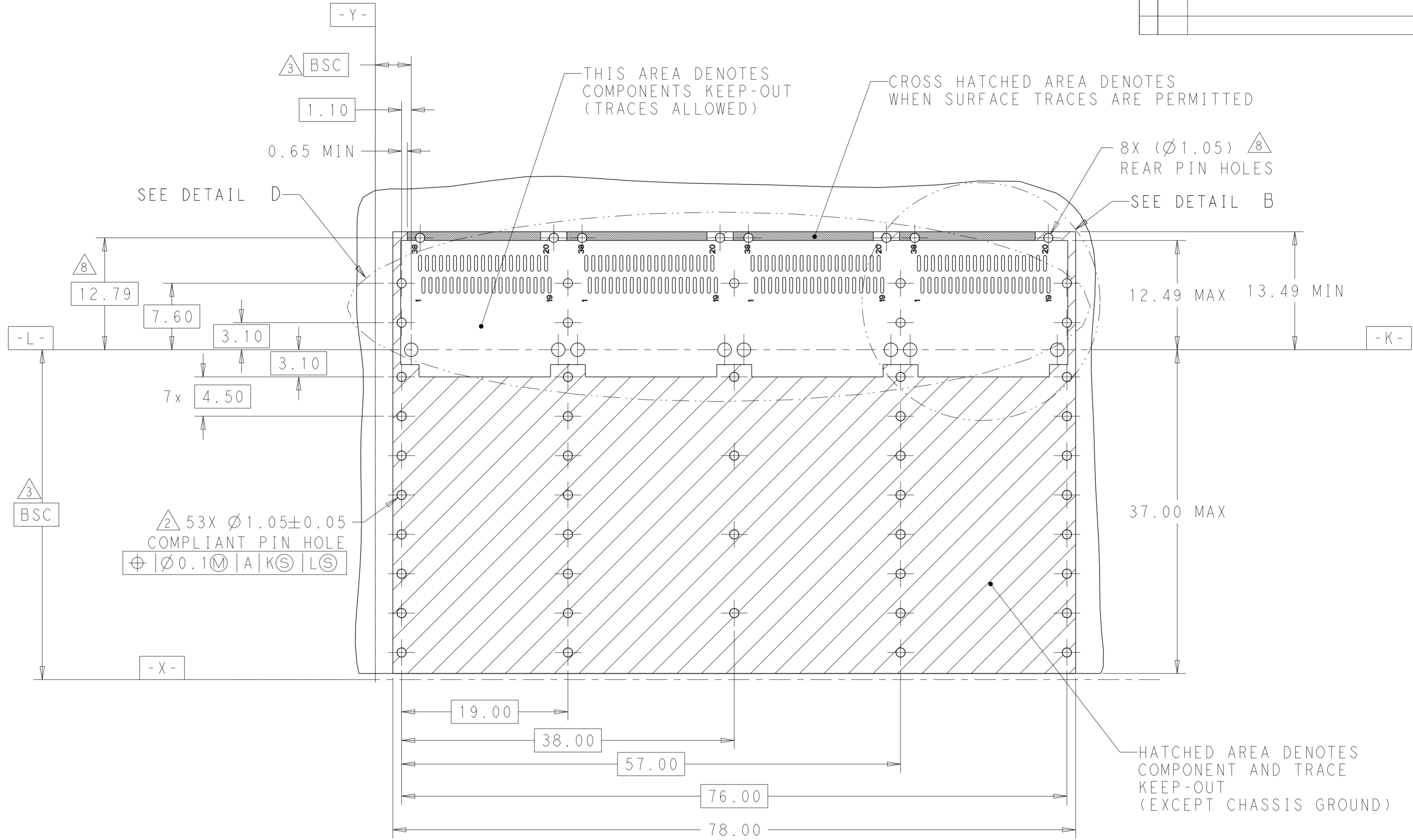


RECOMMENDED PCB LAYOUT
 SINGLE TYPE
 PCB TOLERANCE: ±0.05
 SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 25 JUN 2014 JASON YANG	TE Connectivity	
		CHK 11 JAN 2016 SEAN HAN		
DIMENSIONS: mm		APVD -	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-19428	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
0 PLC ±		APPLICATION SPEC 114-32023	A200779 C-2170745	
1 PLC ±0.25		WEIGHT -	SCALE 1:1 SHEET 6 OF 8 REV D2	
2 PLC ±0.2		CUSTOMER DRAWING		
3 PLC ±				
4 PLC ±				
ANGLES ±				
FINISH SEE NOTES				

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

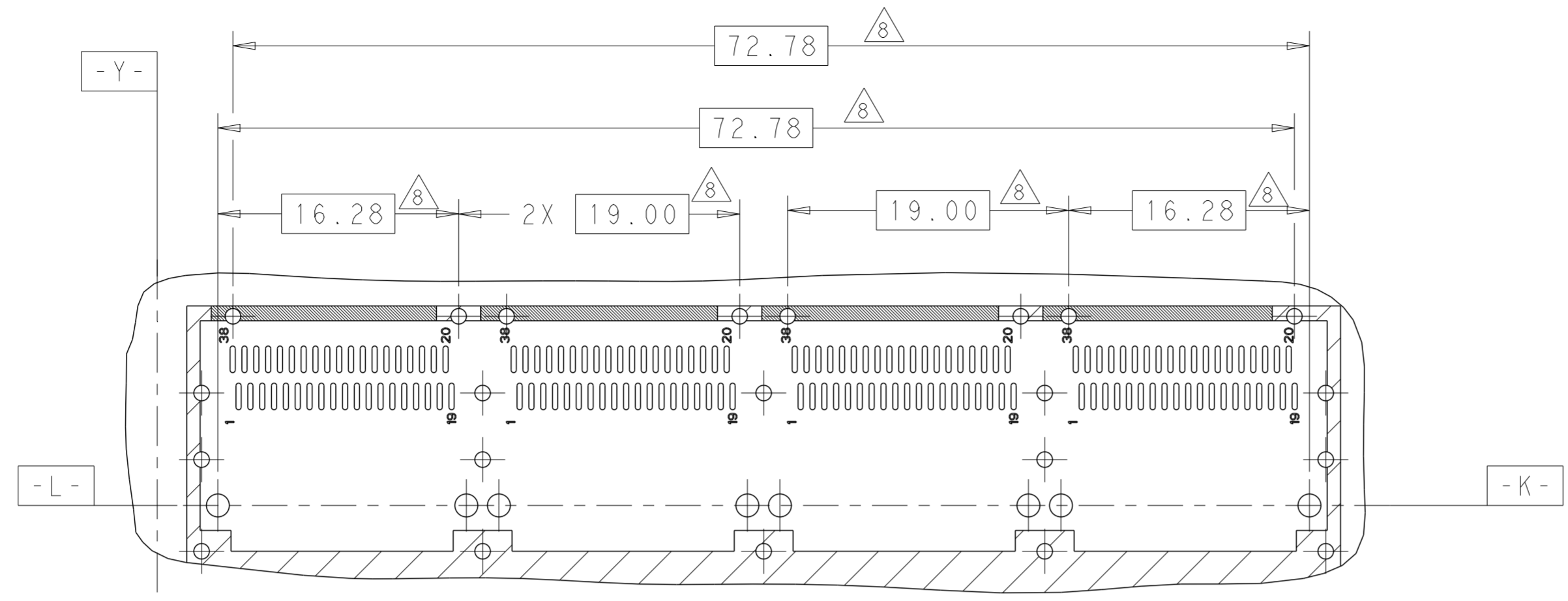


RECOMMENDED PCB LAYOUT
 BELLY TO BELLY TYPE
 PCB TOLERANCE: ±0.05
 SCALE 3:1

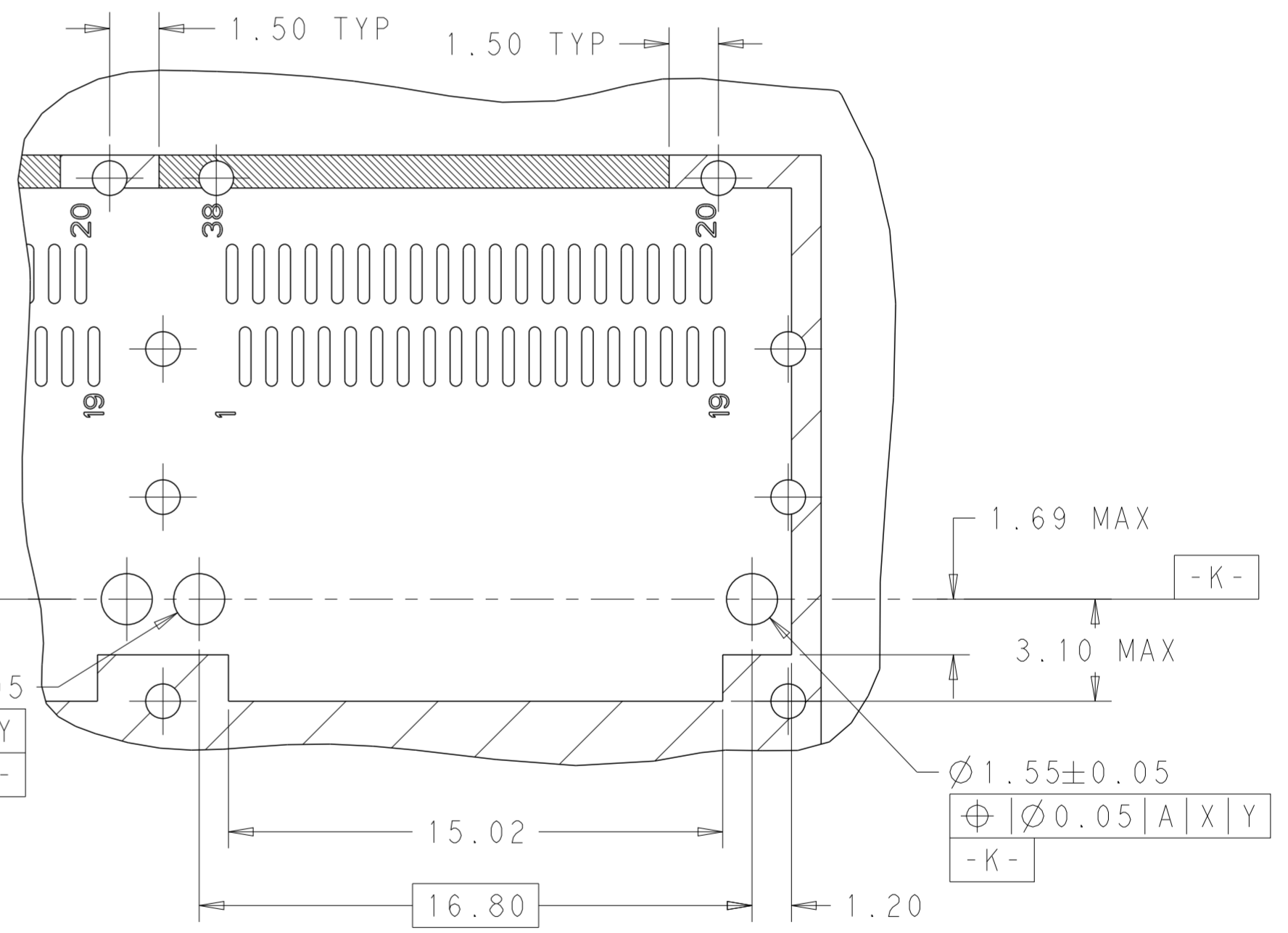
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 25 JUN 2014	TE Connectivity	
		CHK SEAN HAN 11 JAN 2016		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28
		0 PLC ±	1 PLC ±0.25	PRODUCT SPEC 108-19428
MATERIAL SEE NOTES		2 PLC ±0.2	3 PLC ±	APPLICATION SPEC 114-32023
		4 PLC ±	ANGLES ±	SIZE A200779
		FINISH SEE NOTES		CAGE CODE C-2170745
				DRAWING NO -
				RESTRICTED TO -
				SCALE 1:1 SHEET 7 OF 8 REV D2
				CUSTOMER DRAWING

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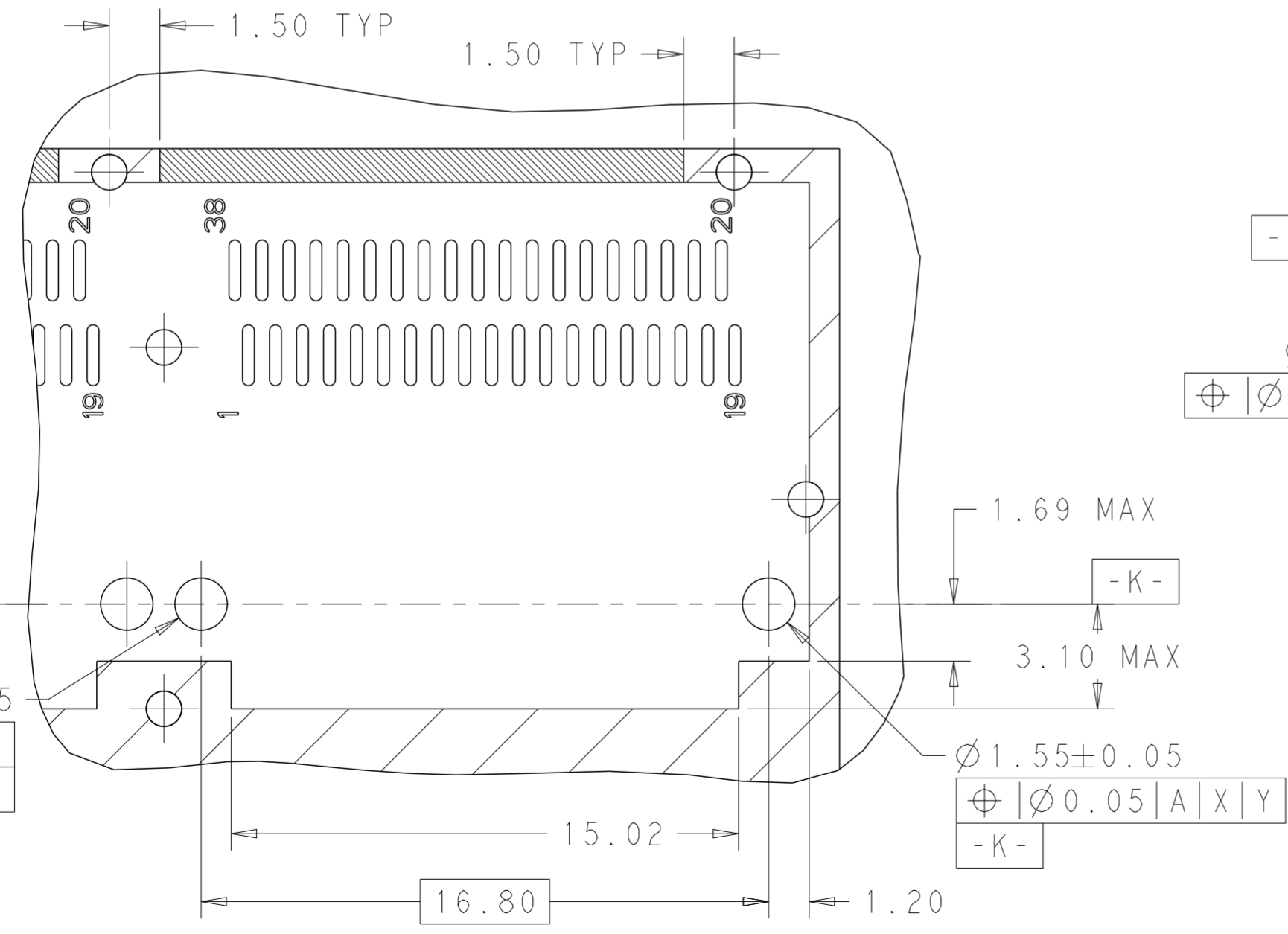
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-	-	SEE SHEET 1	-	-



DETAIL D
SCALE 3:1



DETAIL B
SCALE 6:1



DETAIL A
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 25 JUN 2014	TE Connectivity	
		CHK SEAN HAN 11 JAN 2016		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH	APVD -	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS THRU BEZEL, 1X4, QSFP28	RESTRICTED TO -
MATERIAL SEE NOTES	SEE NOTES	PRODUCT SPEC 108-19428	SIZE A200779	CAGE CODE C-2170745
		APPLICATION SPEC 114-32023	DRAWING NO -	SCALE 1:1
		WEIGHT -	CUSTOMER DRAWING	SHEET 8 OF 8
				REV D2