



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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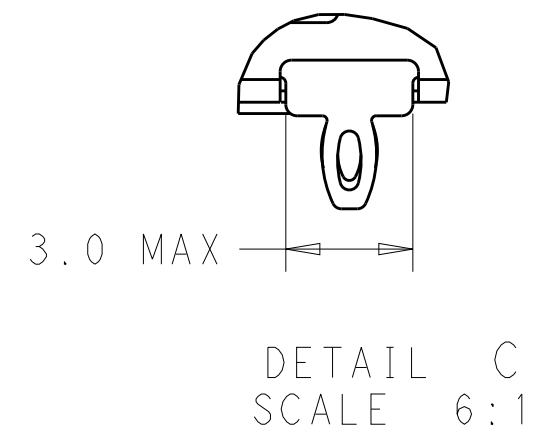
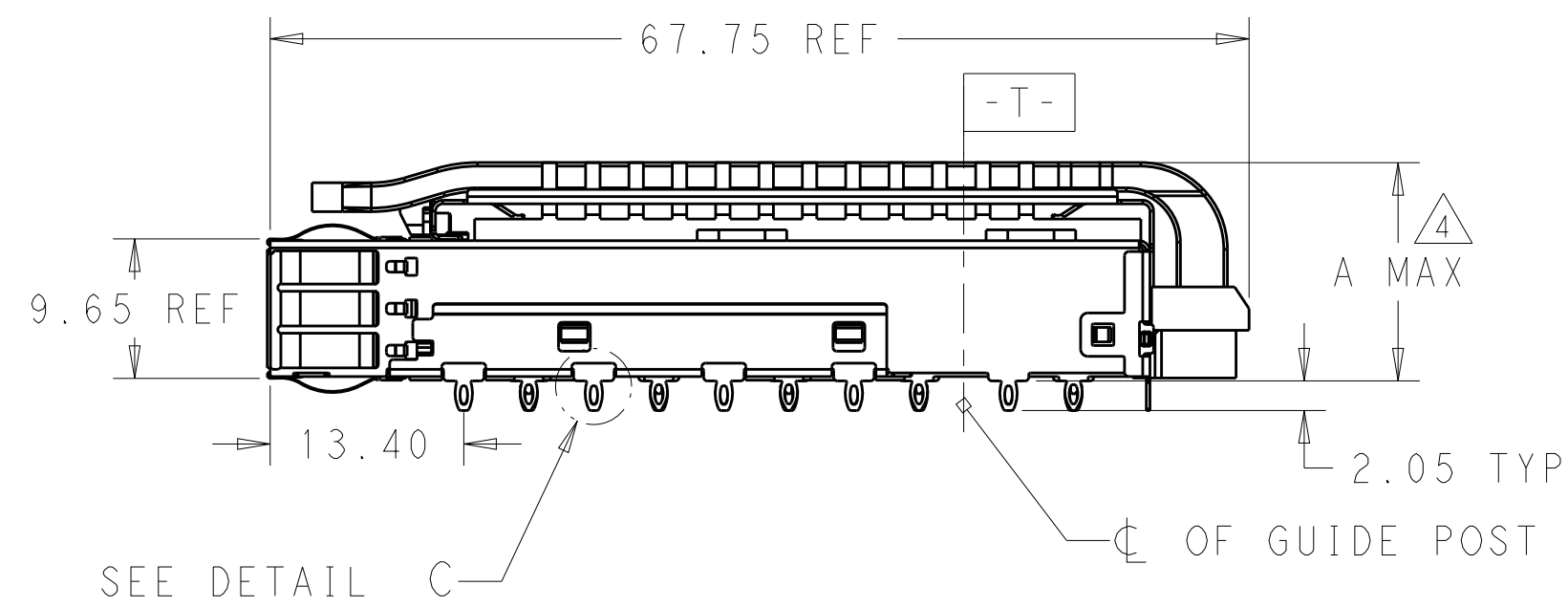
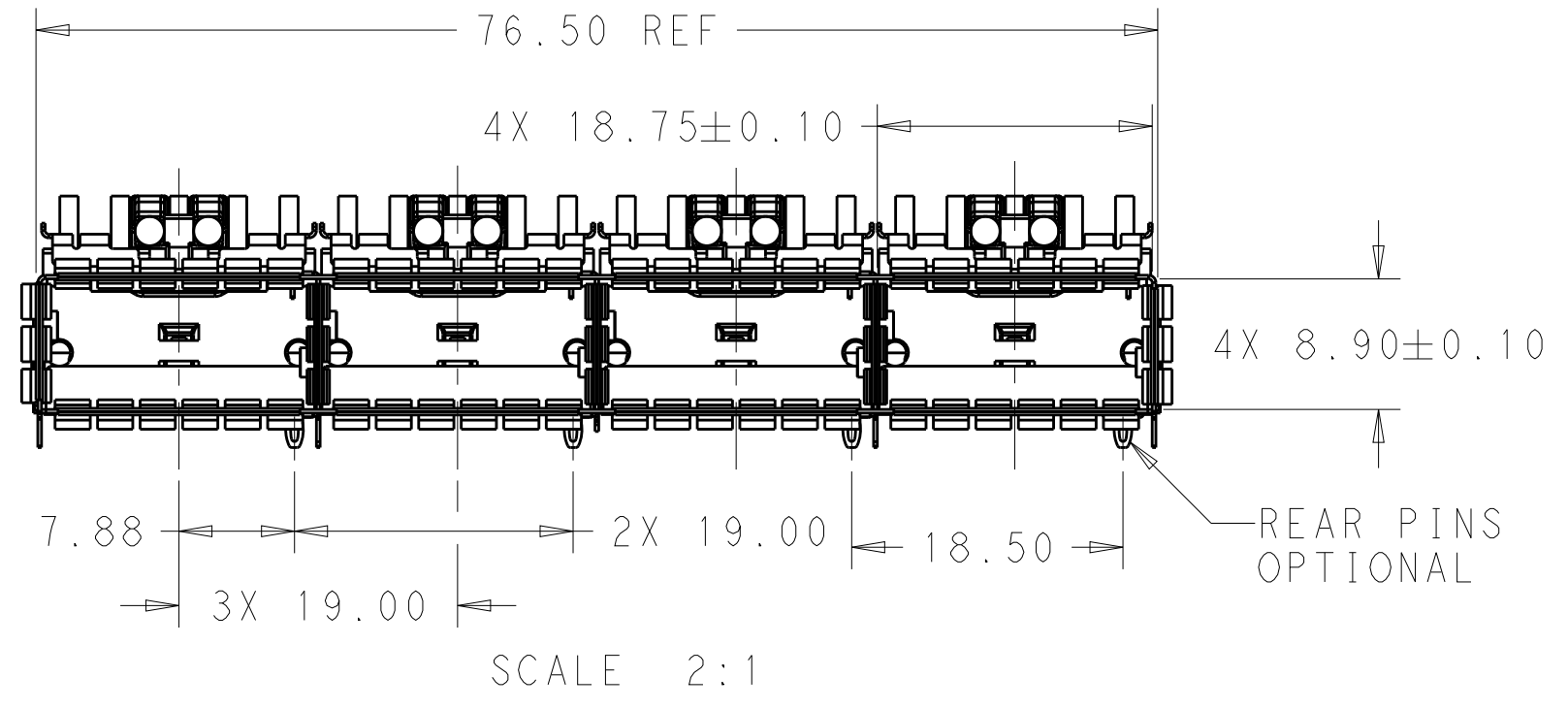
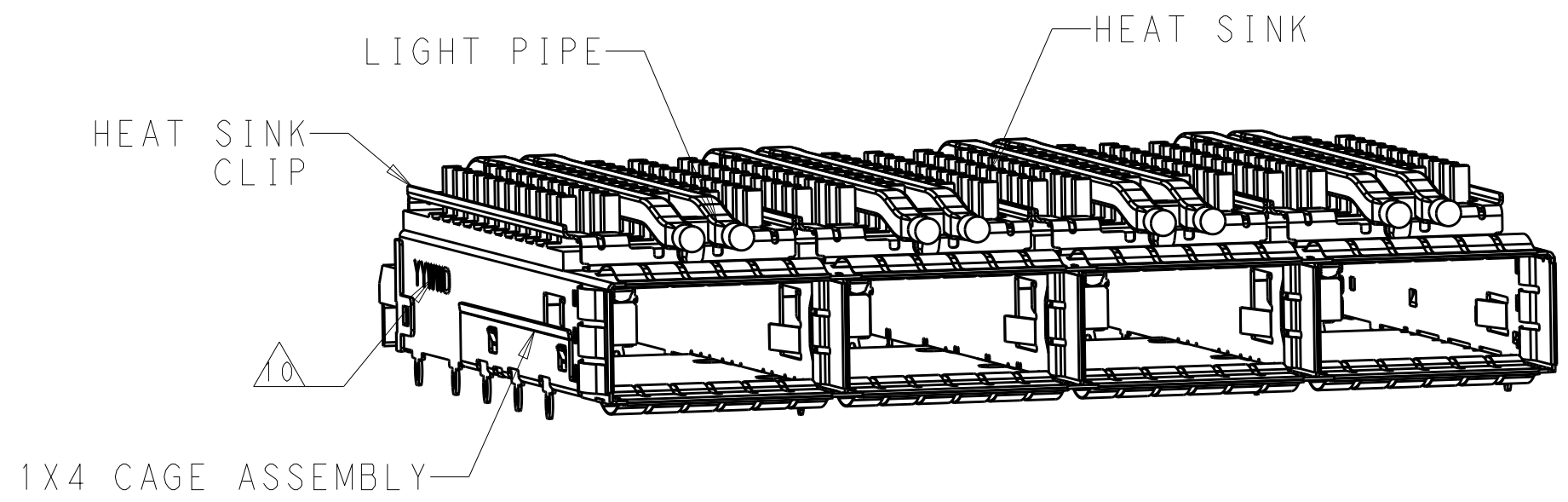
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
A		RELEASE	31OCT2016	JY SH

1. COMPONENTS  
 CAGE ASSEMBLY: NICKEL-SILVER ALLOY  
 HEAT SINK: ALUMINUM/BLACK ANODIZE  
 HEAT SINK CLIP: STAINLESS STEEL  
 EMI SPRING: COPPER ALLOY/NICKEL PLATE  
 LIGHT PIPE: CLEAR POLYCARBONATE  
 ORGANIZER: POLYESTER WITH UL 94 V-0
2. REFERENCE APPLICATION SPECIFICATION 114-23023 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. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
10. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
11. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.
12. THE CUSTOMIZED HEAT SINK HAVE NO SURFACE FINISH ONLY FOR 2170747-71-8.
13. CAGE ASSEMBLY WITH HS AND LIGHT PIPE ARE UNASSEMBLED, AND PACKAGED INDIVIDUALLY IN TRAYS. ONLY APPLICABLE TO 2170747-7.



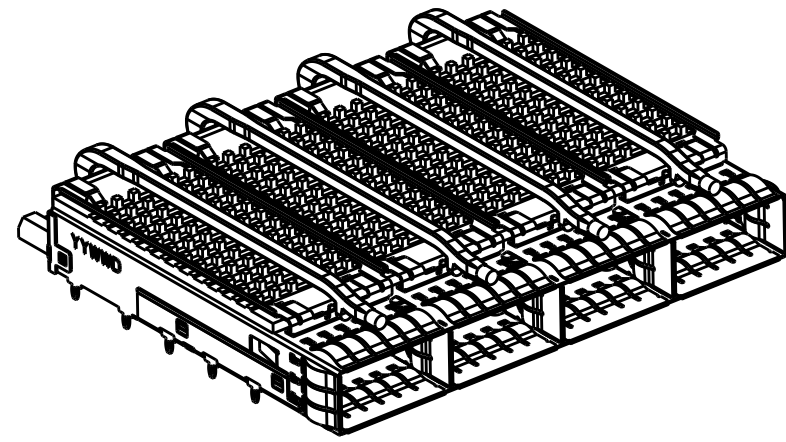
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DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	PRODUCT SPEC 108-19428	SIZE A2
0 PLC ±	1 PLC ±0.25	2 PLC ±0.2	APPLICATION SPEC 114-32023	CAGE CODE C-2170747
3 PLC ±	4 PLC ±	ANGLES ±	WEIGHT -	DRAWING NO -
MATERIAL SEE NOTES	FINISH SEE NOTES	CUSTOMER DRAWING	SCALE 1:1	SHEET 1 OF 10



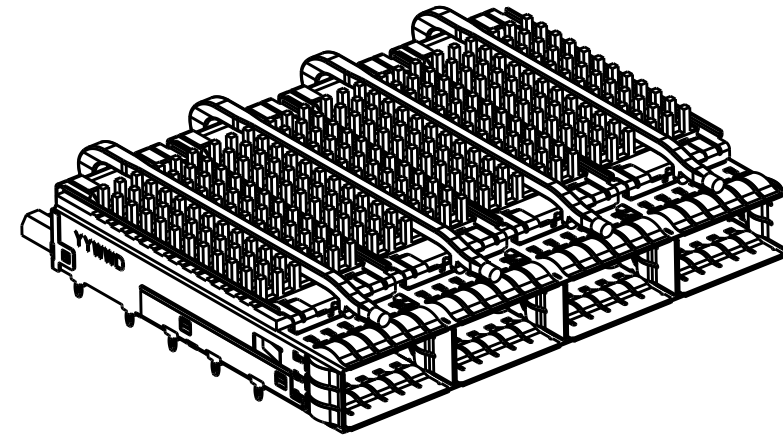
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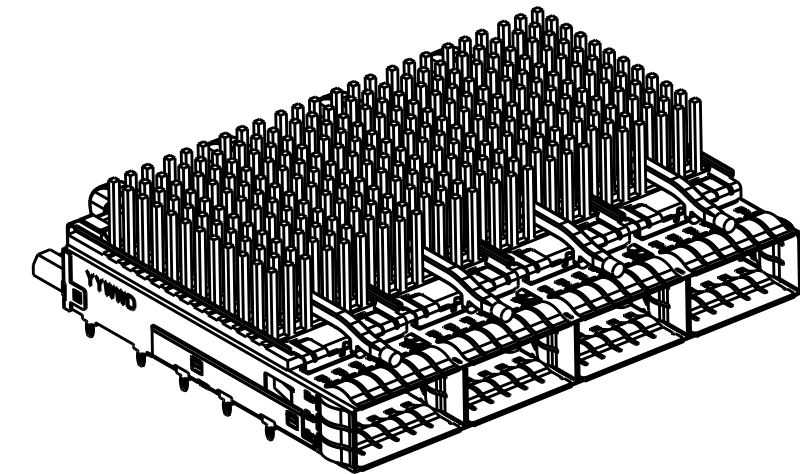
# HEAT SINK OPTION



PCI HEAT SINK  
SCALE 1:1

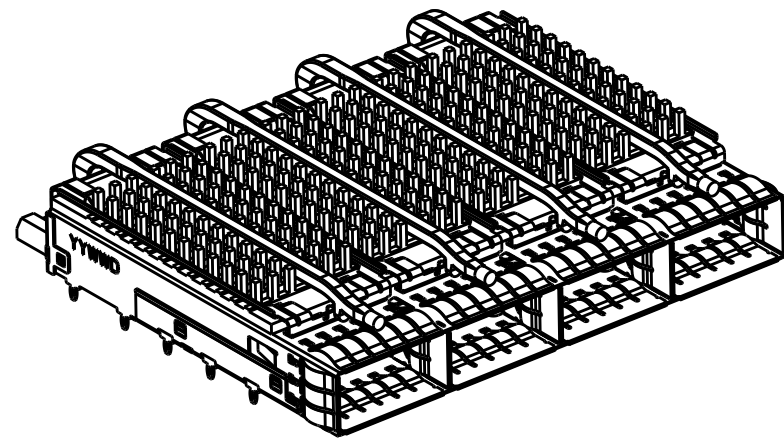


SAN HEAT SINK  
SCALE 1:1

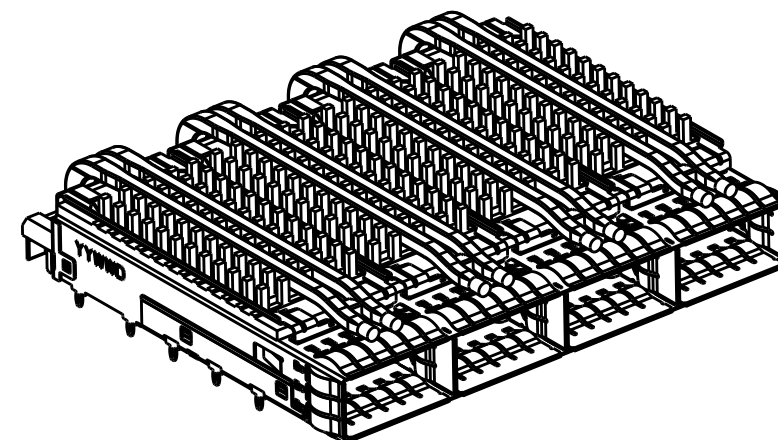


NETWORKING HEAT SINK  
SCALE 1:1

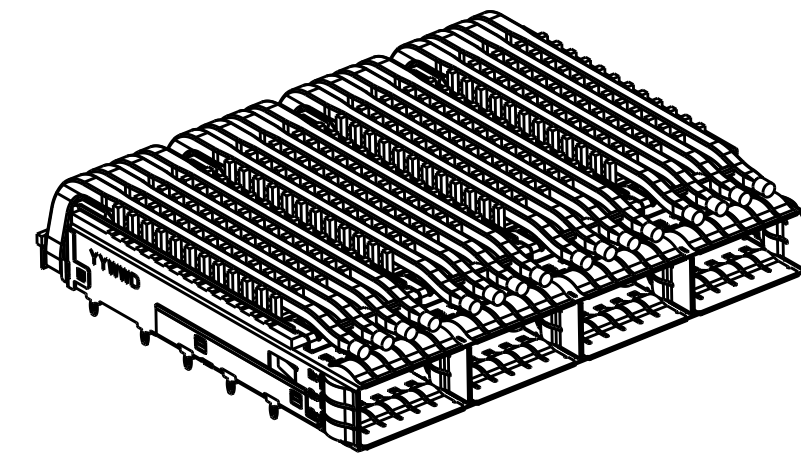
# LIGHT PIPE OPTION



SINGLE LIGHT PIPE  
SCALE 1:1

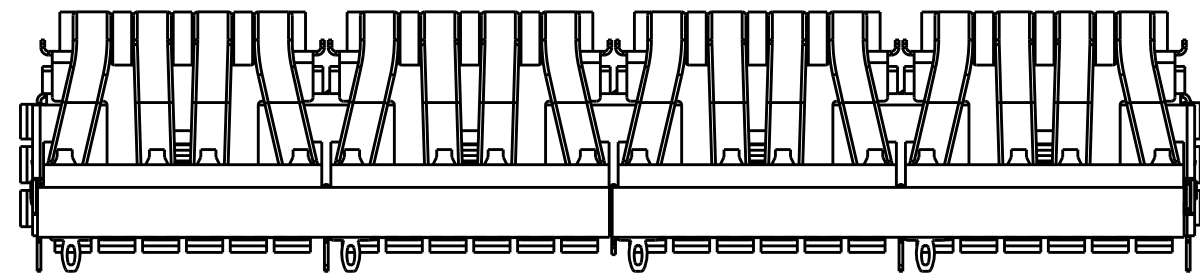


DUAL LIGHT PIPE  
SCALE 1:1

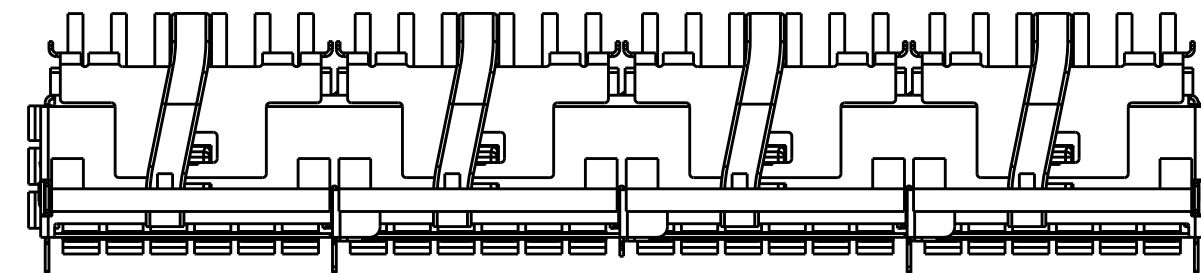


QUAD LIGHT PIPE  
SCALE 1:1


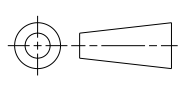
# # OF REAR PIN OPTION



1 REAR PIN  
SCALE 2:1

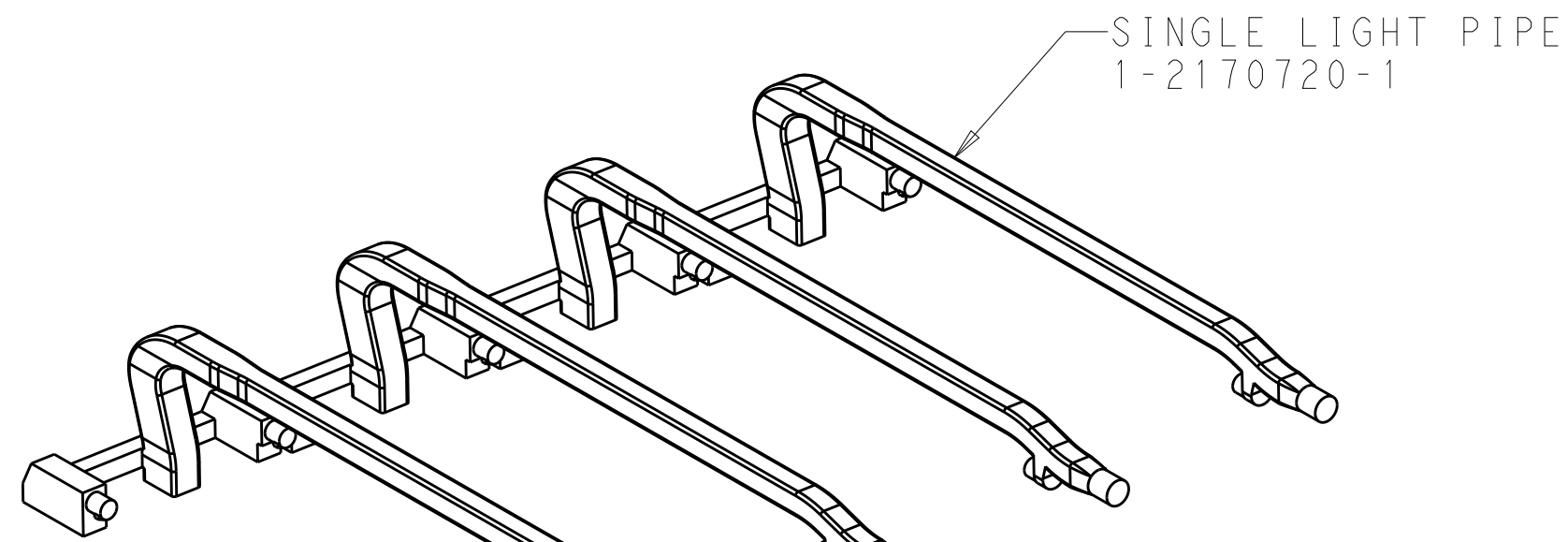


0 REAR PIN  
SCALE 2:1

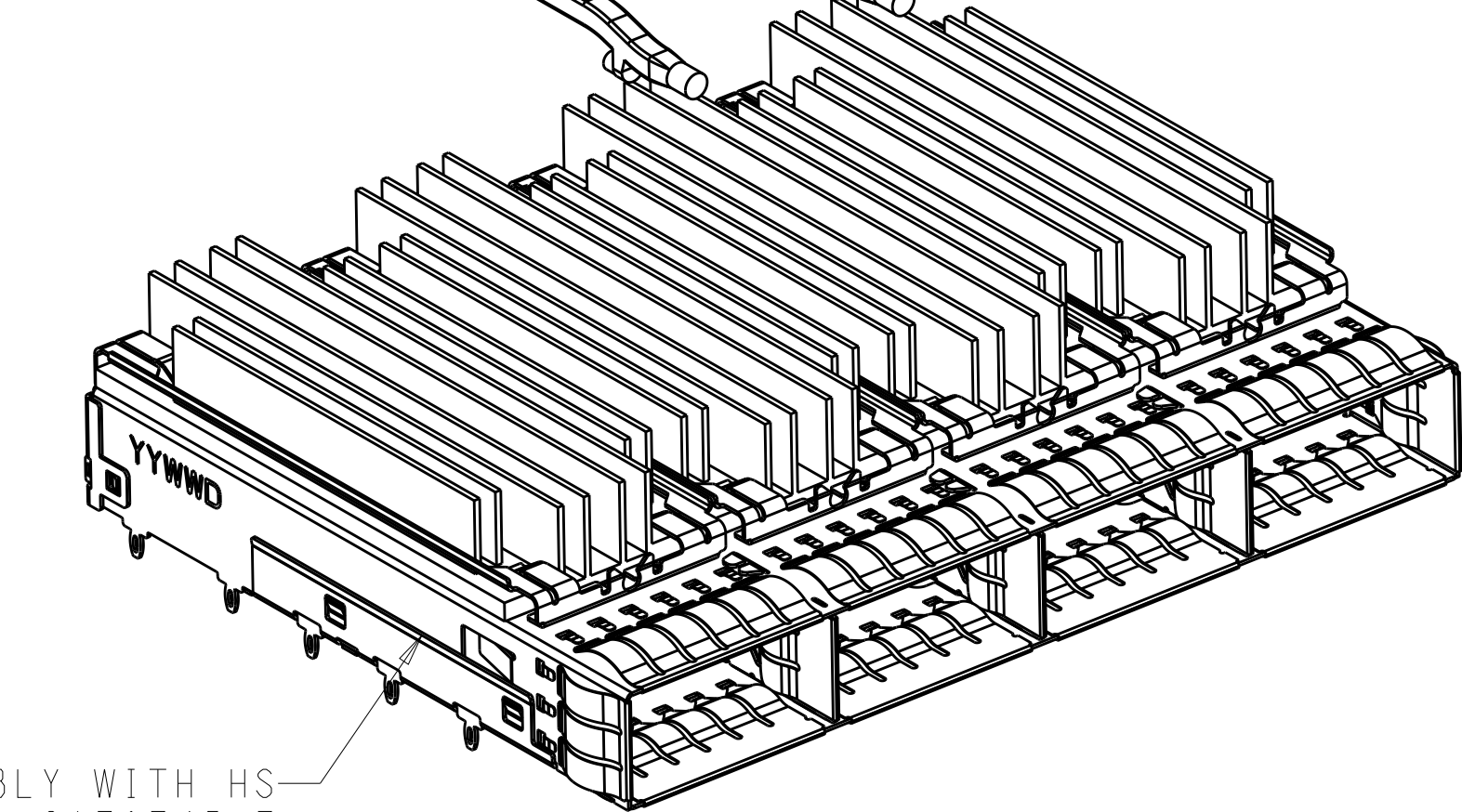
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TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		APPLICATION SPEC 114-32023		RESTRICTED TO -
MATERIAL SEE NOTES		WEIGHT -		SCALE 1:1
		CUSTOMER DRAWING		SHEET 2 OF 10
				REV A

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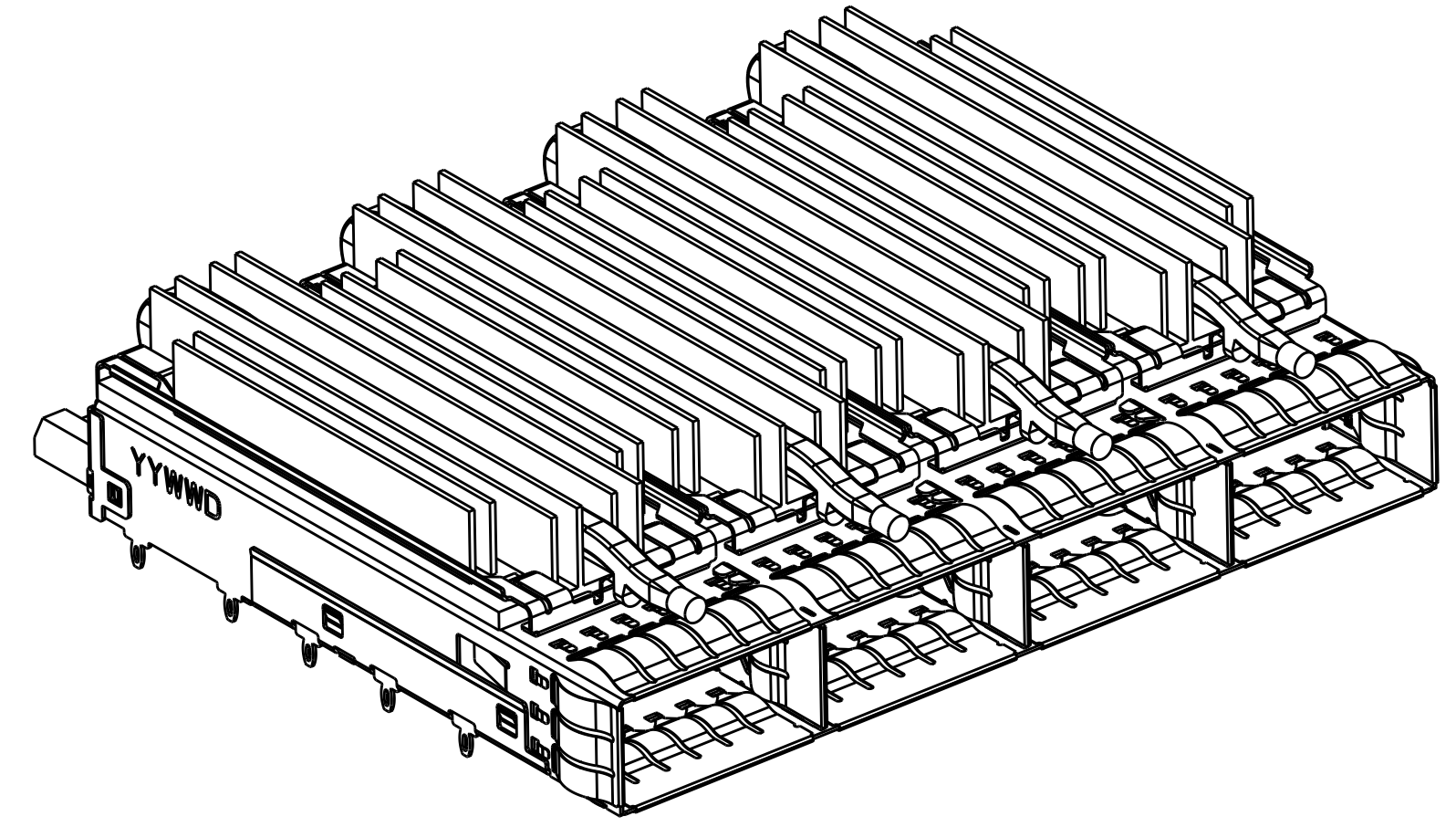


SINGLE LIGHT PIPE  
1-2170720-1


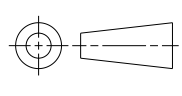


CAGE ASSEMBLY WITH HS  
2170745-7

2170747-7 UNASSEMBLED  
 CAGE ASSY WITH HS AND LIGHT PIPE ARE UNASSEMBLED,  
 AND PACKAGED INDIVIDUALLY.  
 CUSTOMIZED HEAT SINK  
 SCALE 2:1



2170747-8 ASSEMBLED  
 ASSEMBLED AND PAKCAGED TOGETHER, CUSTOMIZED HEAT SINK  
 SCALE 2:1


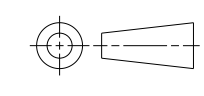
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MATERIAL SEE NOTES		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -		SIZE CAGE CODE DRAWING NO A200779 C-2170747
-		CUSTOMER DRAWING		RESTRICTED TO - SCALE 1:1 SHEET 3 OF 10 REV A

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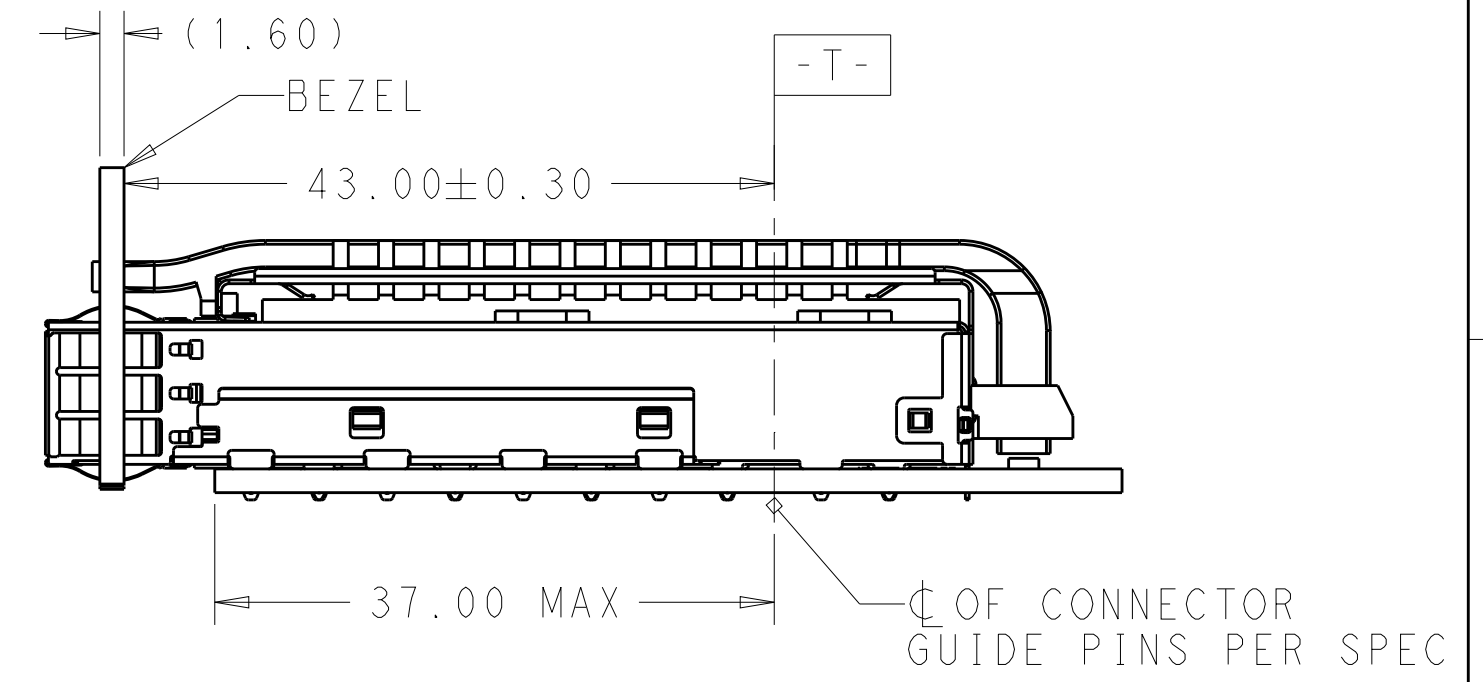
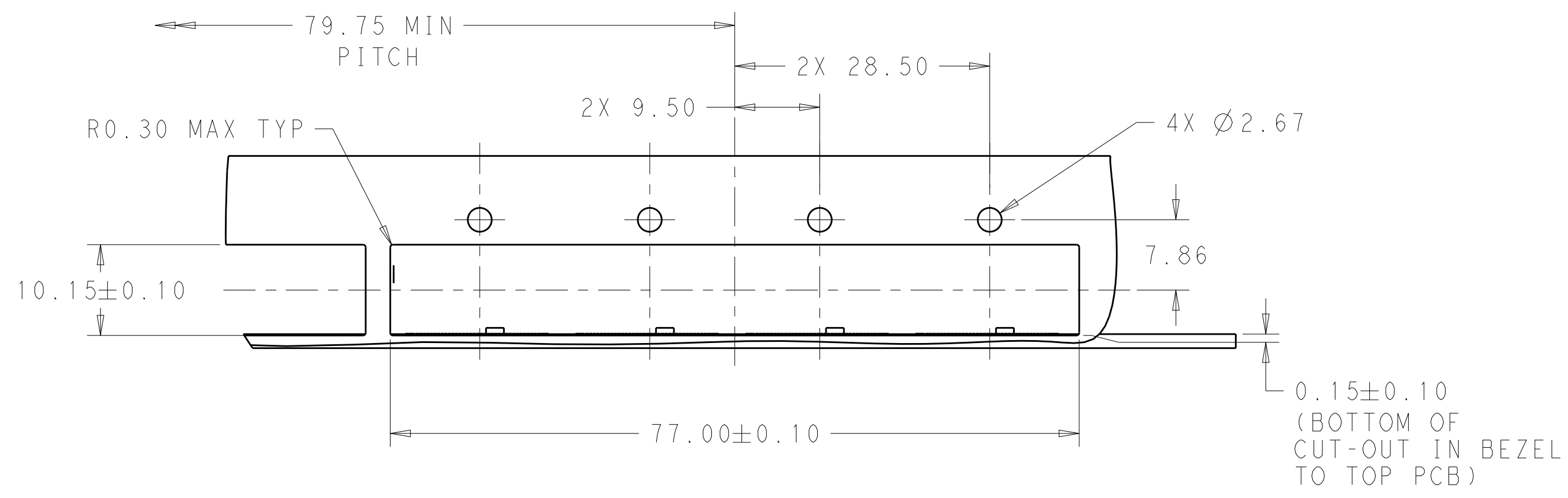
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0	23.0	NETWORKING	QUAD LP	4-2170747-6
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0	13.7	PCI	QUAD LP	4-2170747-4
1	23.0	NETWORKING	QUAD LP	4-2170747-3
1	16.0	SAN	QUAD LP	4-2170747-2
1	13.7	PCI	QUAD LP	4-2170747-1
0	23.0	NETWORKING	DUAL LP	2-2170747-6
0	16.0	SAN	DUAL LP	2-2170747-5
0	13.7	PCI	DUAL LP	2-2170747-4
1	23.0	NETWORKING	DUAL LP	2-2170747-3
1	16.0	SAN	DUAL LP	2-2170747-2
1	13.7	PCI	DUAL LP	2-2170747-1
0	18.05	CUSTOMIZED	SINGLE LP	2170747-8
0	18.05	CUSTOMIZED	SINGLE LP	2170747-7
0	23.0	NETWORKING	SINGLE LP	2170747-6
0	16.0	SAN	SINGLE LP	2170747-5
0	13.7	PCI	SINGLE LP	2170747-4
1	23.0	NETWORKING	SINGLE LP	2170747-3
1	16.0	SAN	SINGLE LP	2170747-2
1	13.7	PCI	SINGLE LP	2170747-1
# OF REAR PIN	DIM A	APPLICATION	LIGHT PIPE OPTION	PART NUMBER

13

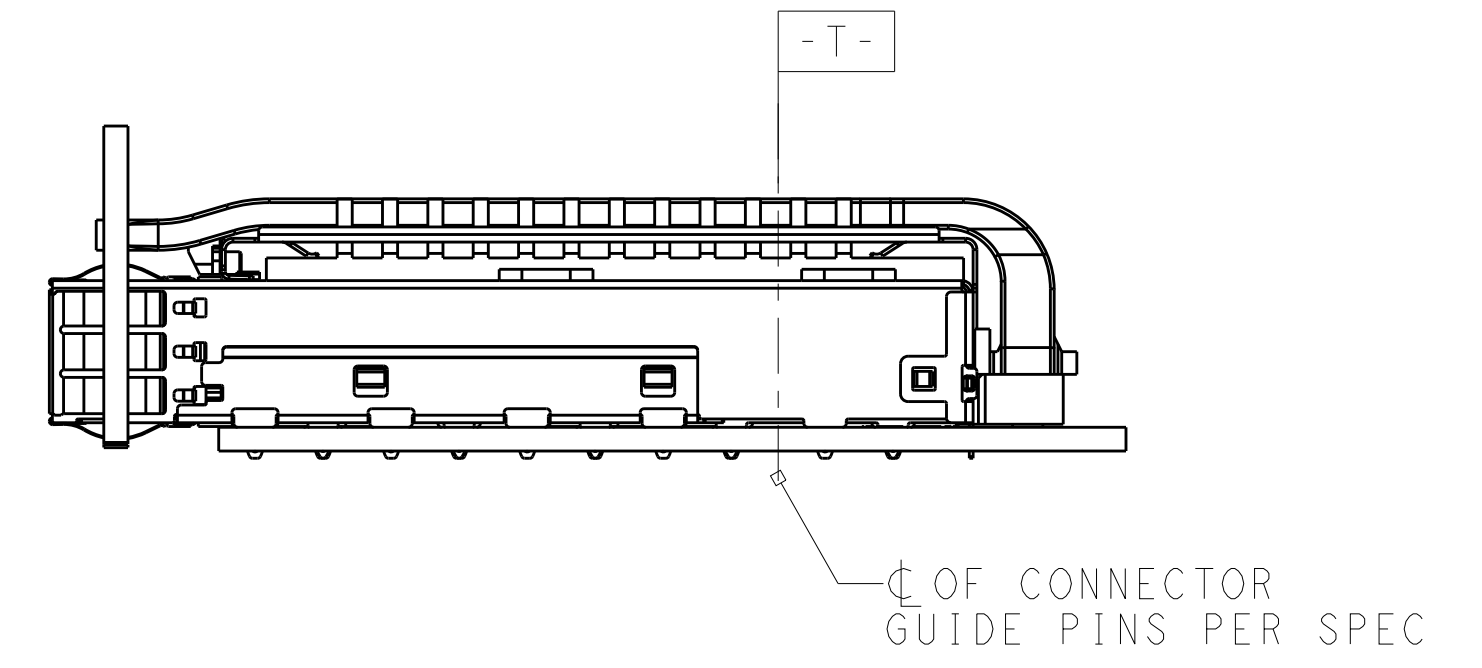
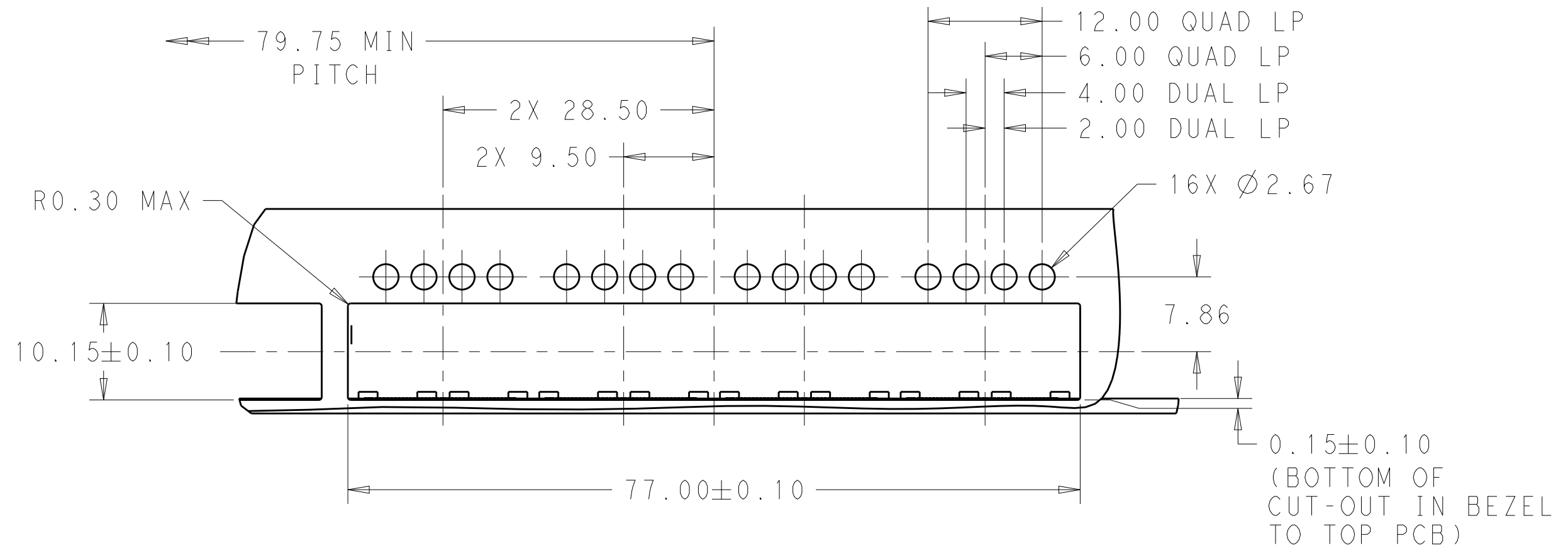
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DIMENSIONS: mm		CHK - APVD -		
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MATERIAL SEE NOTES		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -		
FINISH SEE NOTES		SIZE A200779		DRAWING NO C-2170747
		CUSTOMER DRAWING		RESTRICTED TO -
		SCALE 1:1		SHEET 4 OF 10 REV A

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-	-	SEE SHEET 1	-	-



SINGLE SIDE MOUNTING  
SCALE 2:1

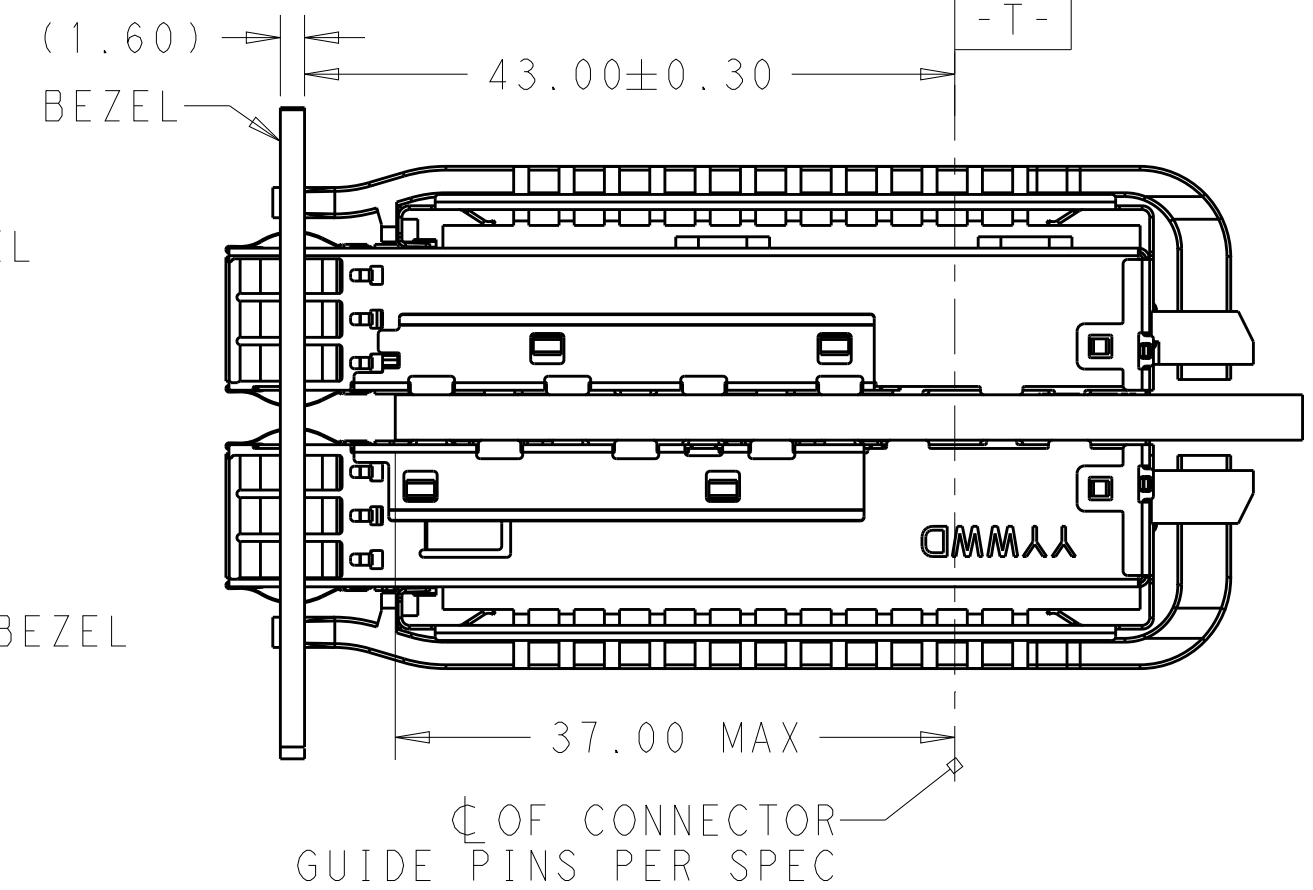
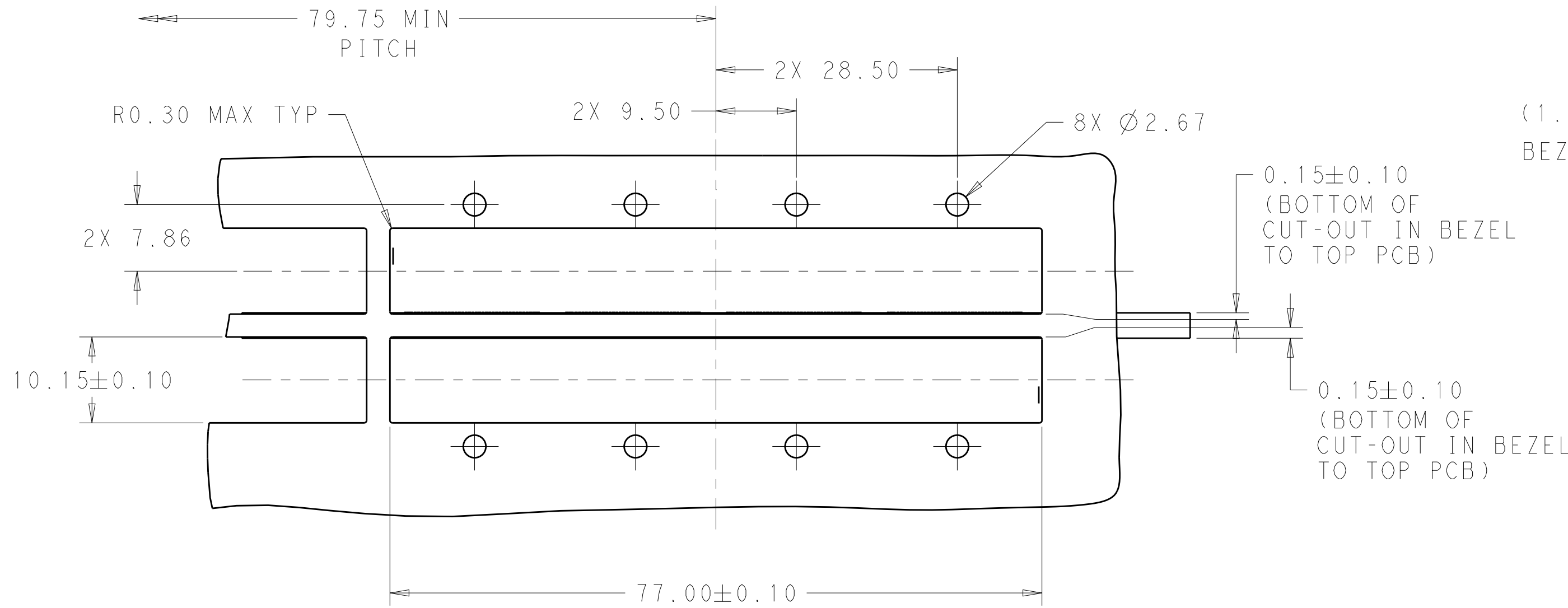


SINGLE SIDE MOUNTING  
SCALE 2:1

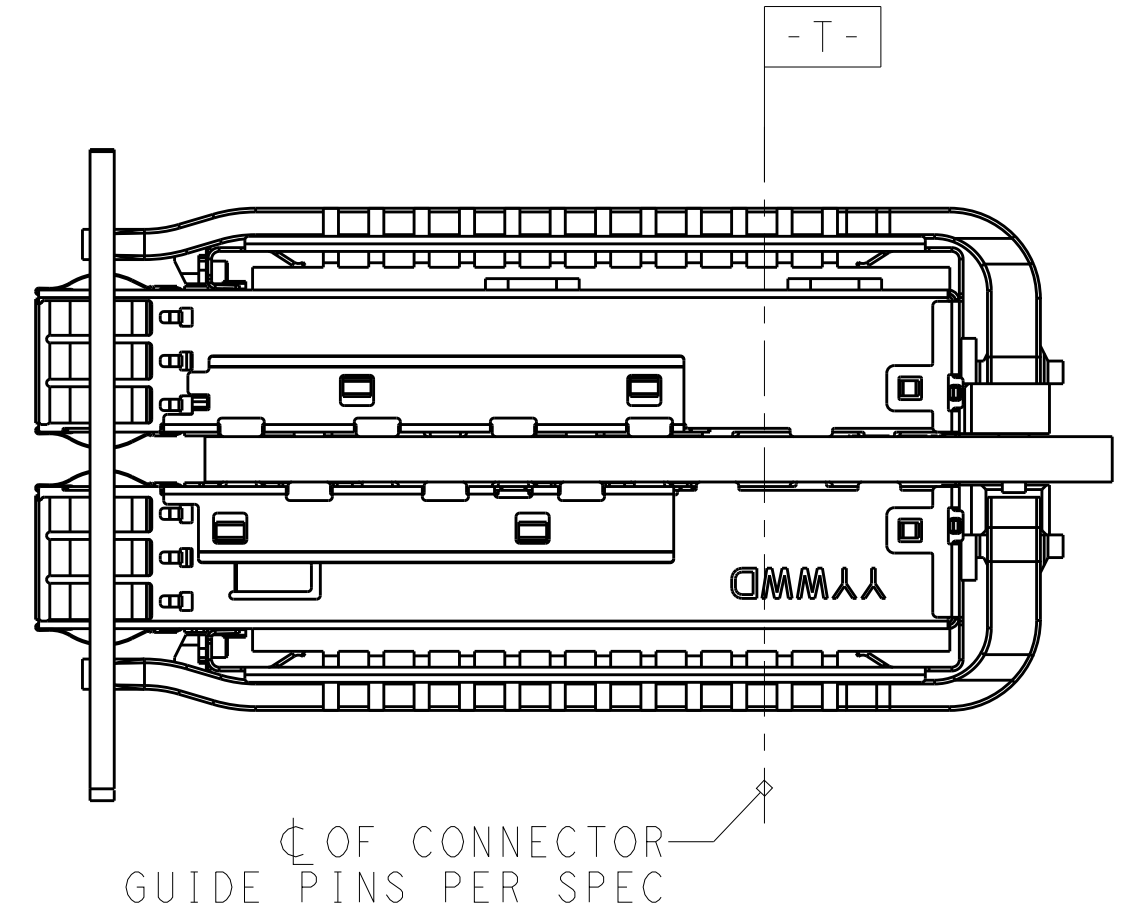
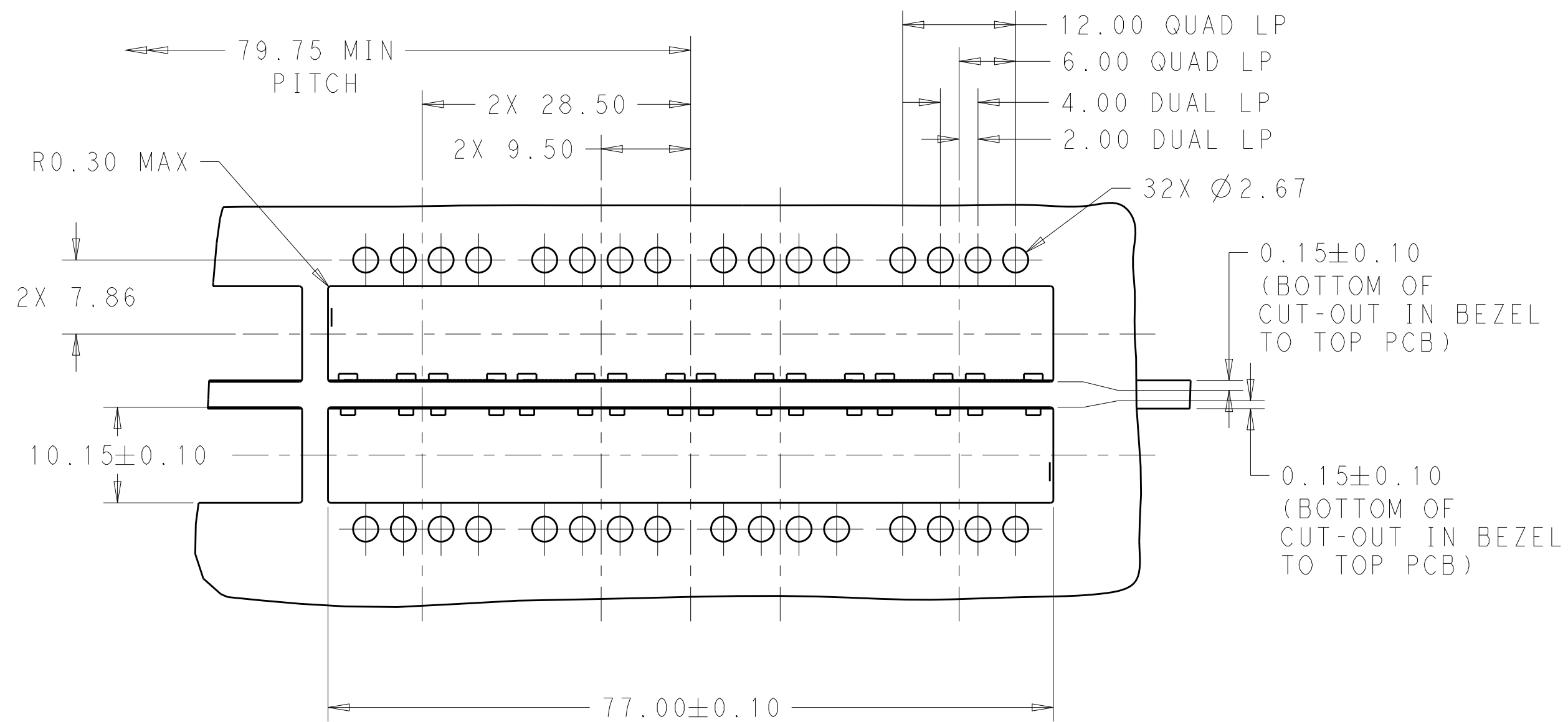
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2 PLC ±0.2	3 PLC ±-	APPLICATION SPEC	SIZE	CAGE CODE
4 PLC ±-	ANGLES ±-	114-32023	A200779	DRAWING NO
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	C-2170747	
CUSTOMER DRAWING		SCALE 1:1	SHEET 5 OF 10	REV A

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-	-	SEE SHEET 1	-	-



BELLY TO BELLY MOUNTING  
SCALE 2:1

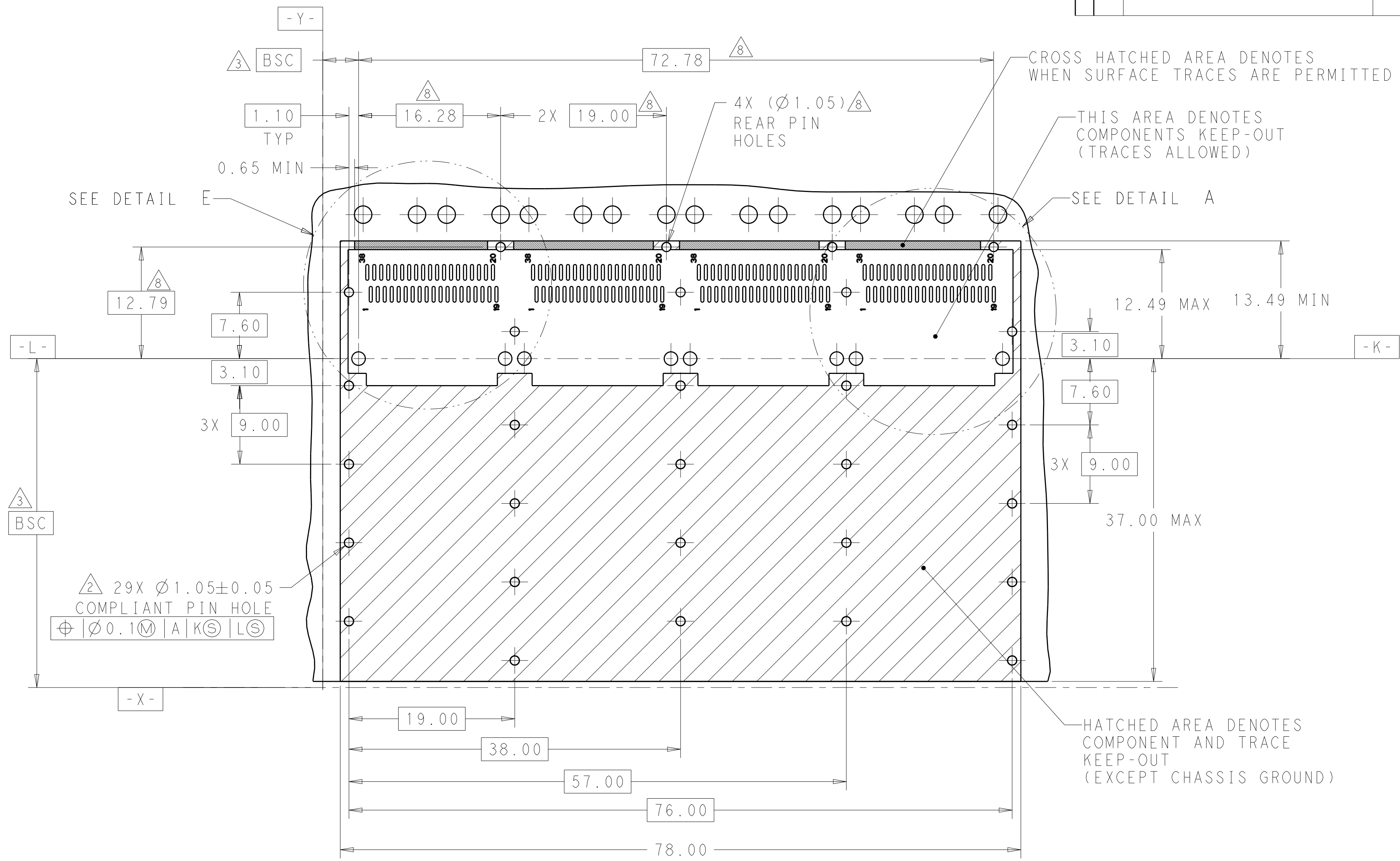


BELLY TO BELLY MOUNTING  
SCALE 2:1

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0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		APPLICATION SPEC 108-19428 114-32023		
MATERIAL SEE NOTES		WEIGHT -		SIZE CAGE CODE DRAWING NO A200779 C-2170747
		CUSTOMER DRAWING		RESTRICTED TO SCALE 1:1 SHEET 6 OF 10 REV A

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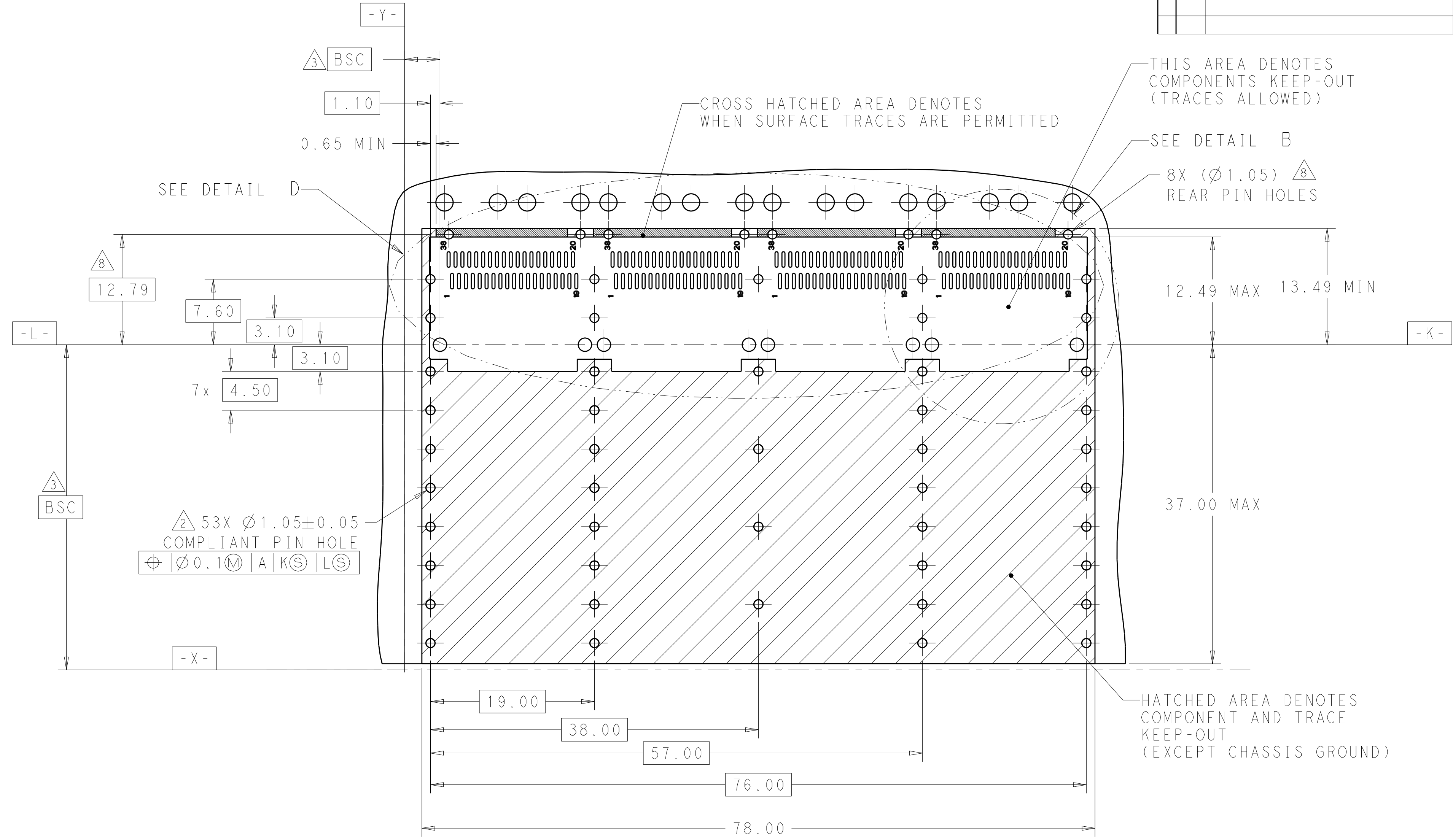


RECOMMENDED PCB LAYOUT  
 SINGLE TYPE  
 PCB TOLERANCE: ±0.05  
 SCALE 3:1

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DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	PRODUCT SPEC	
0 PLC ±	1 PLC ±0.25	PRODUCT SPEC	108-19428	
2 PLC ±0.2	3 PLC ±	APPLICATION SPEC	114-32023	
4 PLC ±	ANGLES ±	WEIGHT	-	
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 1:1	
SEE NOTES	SEE NOTES	SIZE A2	CAGE CODE 00779	
		DRAWING NO	C-2170747	
		RESTRICTED TO	-	
		SHEET	7 OF 10	
		REV	A	



REVISIONS				
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-	-	SEE SHEET 1	-	-

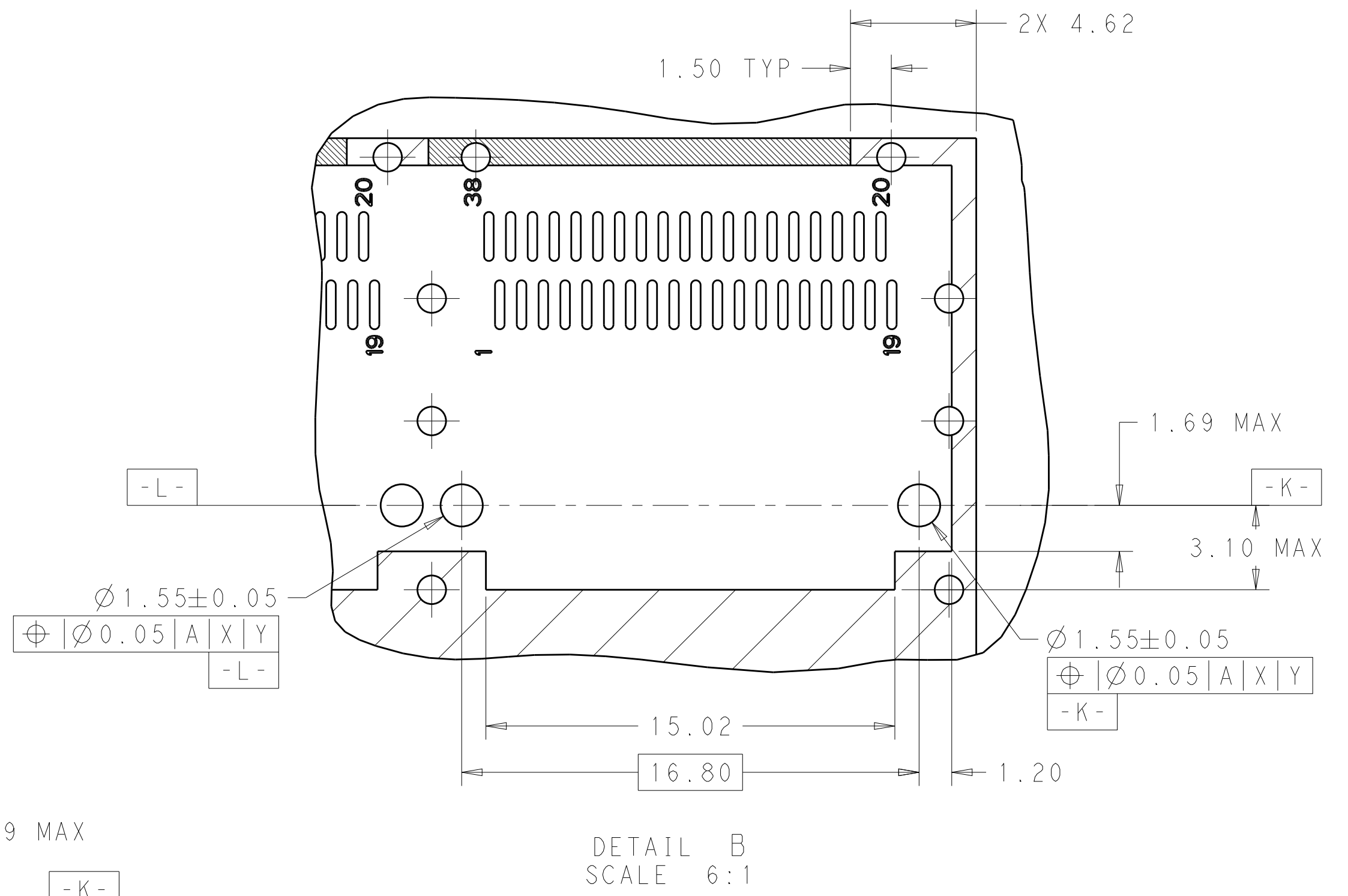
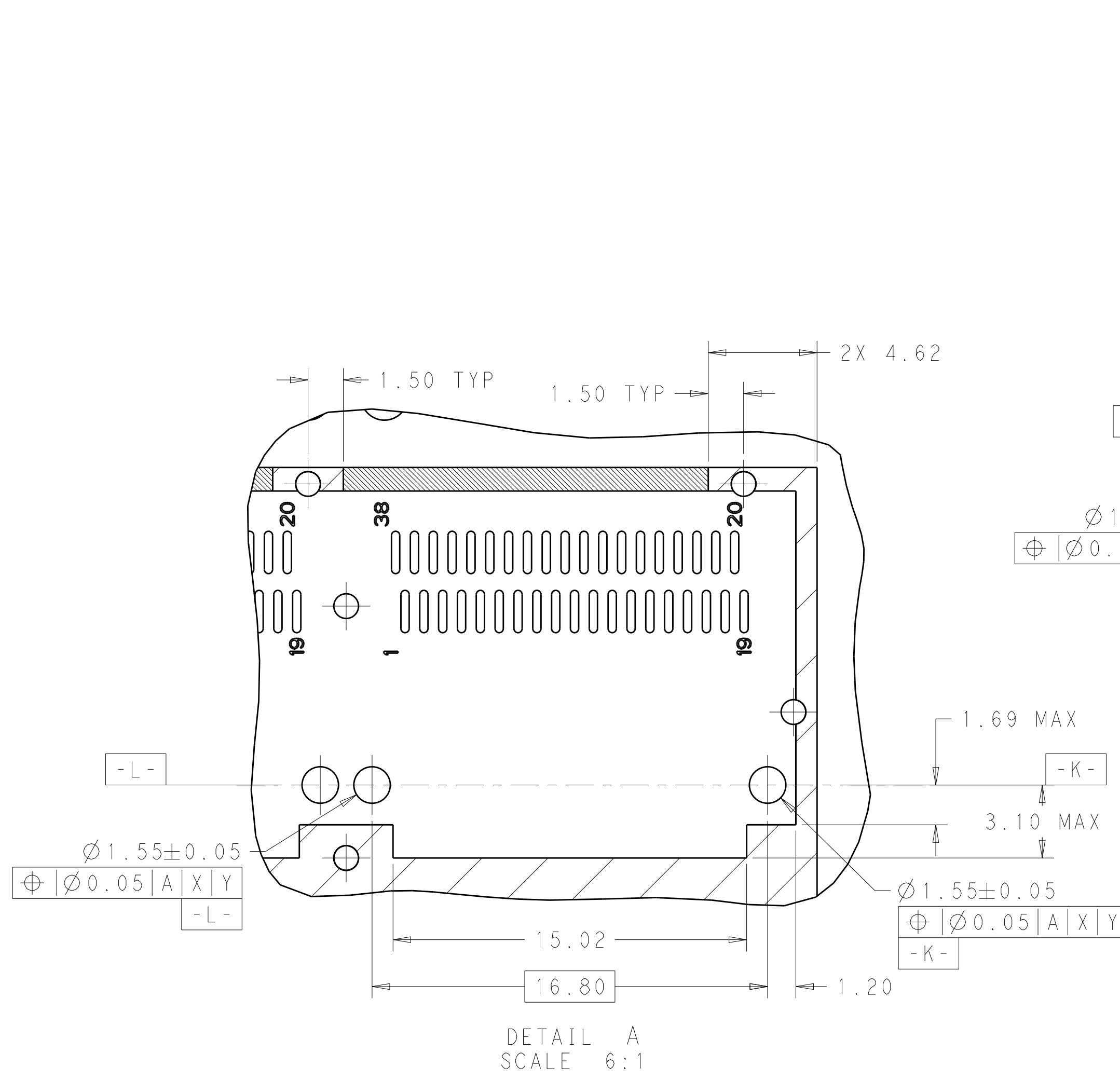


RECOMMENDED PCB LAYOUT  
 BELLY TO BELLY TYPE  
 PCB TOLERANCE: ±0.05  
 SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 04JUN2014 JASON YANG	TE Connectivity	
DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	NAME	
0 PLC ±	1 PLC ±0.25	108-19428	RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X4, QSFP28, SPRING	
2 PLC ±0.2	3 PLC ±	APPLICATION SPEC	SIZE	CAGE CODE
4 PLC ±	ANGLES ±	114-32023	A200779	DRAWING NO
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	C-2170747	
CUSTOMER DRAWING		SCALE 1:1	SHEET 8 OF 10	REV A

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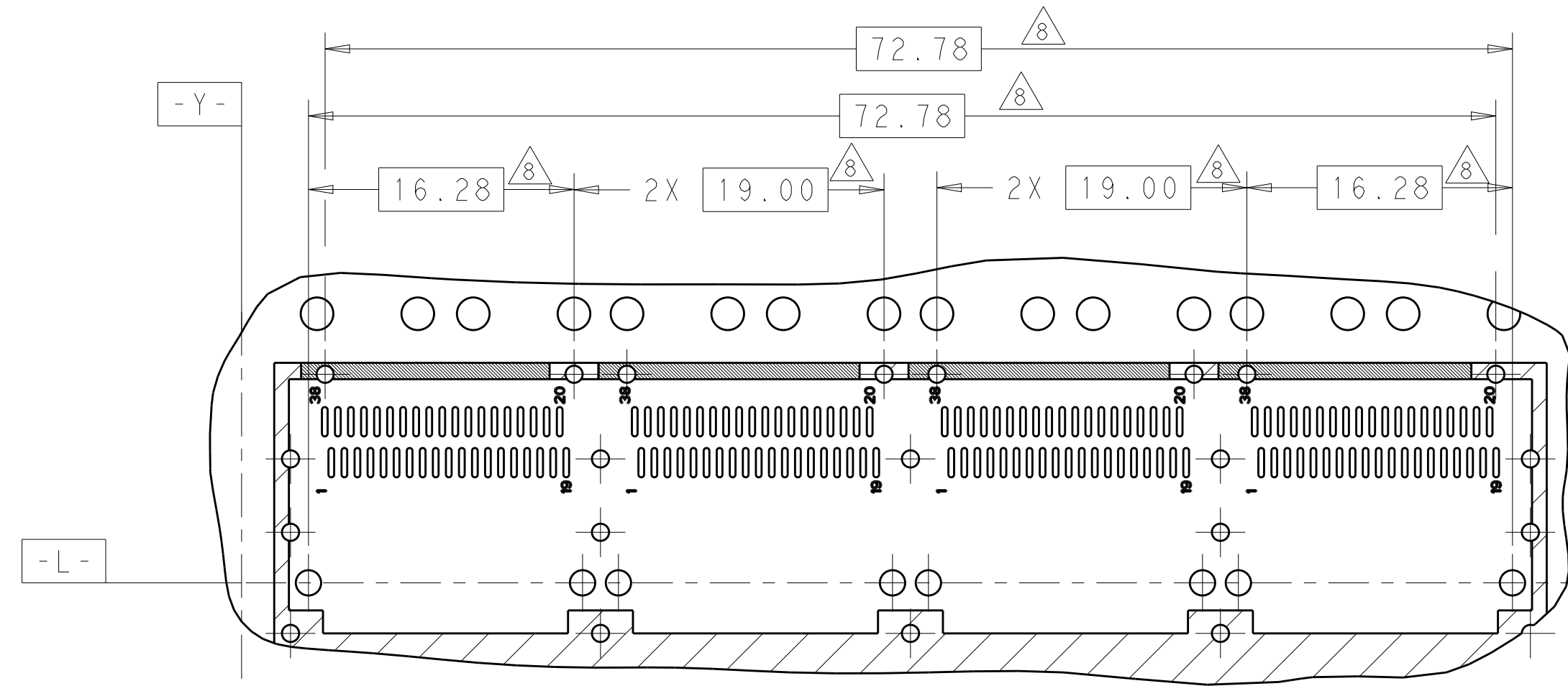
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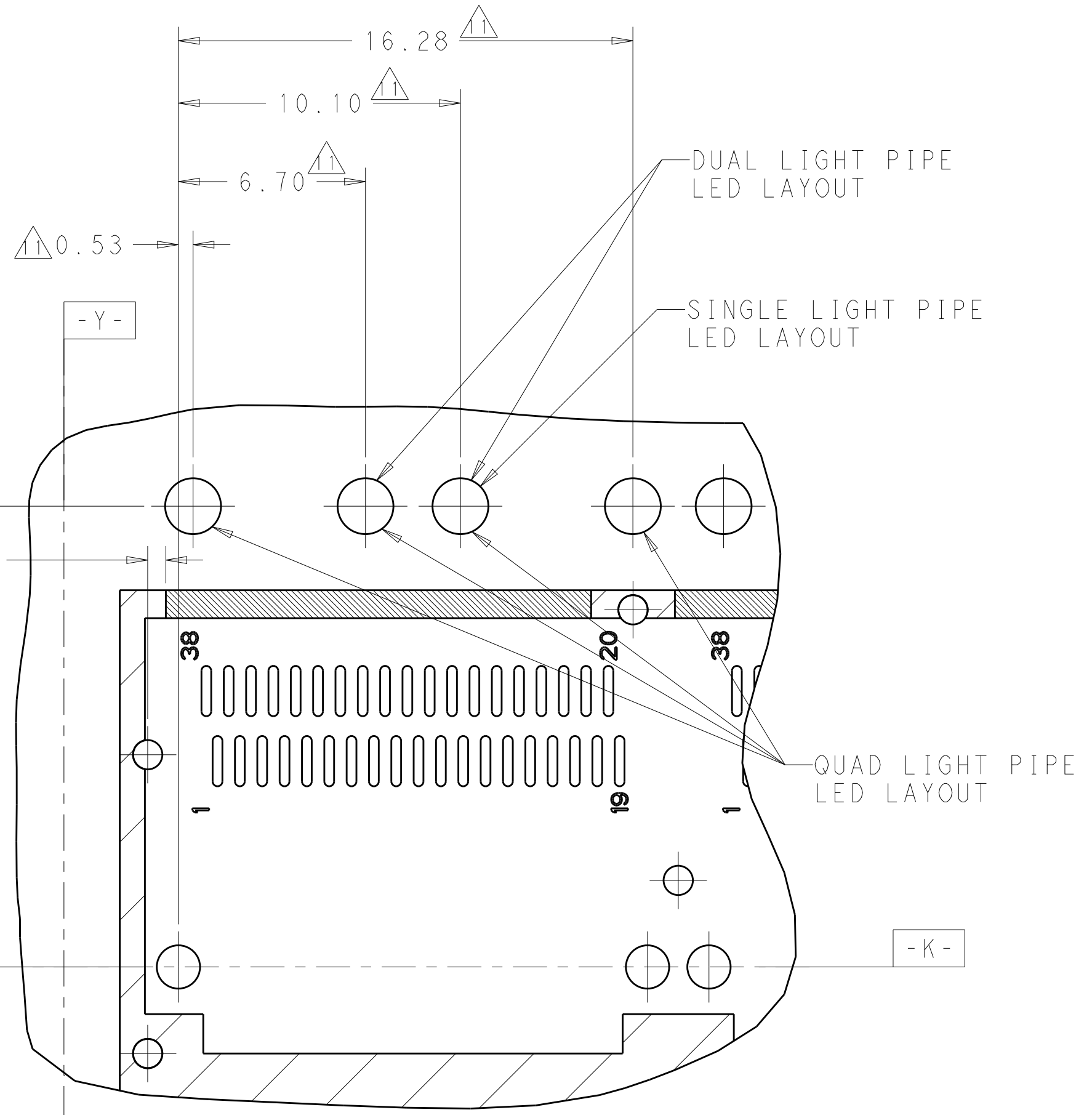
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0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ± FINISH		APPLICATION SPEC 114-32023		
MATERIAL SEE NOTES		WEIGHT -		SIZE CAGE CODE DRAWING NO A200779 C-2170747
CUSTOMER DRAWING		SCALE 1:1 SHEET 9 OF 10		RESTRICTED TO REV A

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DETAIL D  
SCALE 3:1



DETAIL E  
SCALE 6:1

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DIMENSIONS: mm		CHK -		
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2 PLC ±0.2	3 PLC ±	APPLICATION SPEC	SIZE	CAGE CODE
4 PLC ±	ANGLES ±	114-32023	A200779	C-2170747
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	RESTRICTED TO	
CUSTOMER DRAWING		SCALE 1:1	SHEET 10 OF 10	REV A