

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE	31OCT2016	JY	SH
	B	ADD NEW PN 4-2170808-7	21MAY2019	JY	SH

HEAT SINK CLIP

HEAT SINK

LIGHT PIPE

1x2 CAGE ASSEMBLY

2-2170808-1 AS SHOWN
SCALE 2:1

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

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

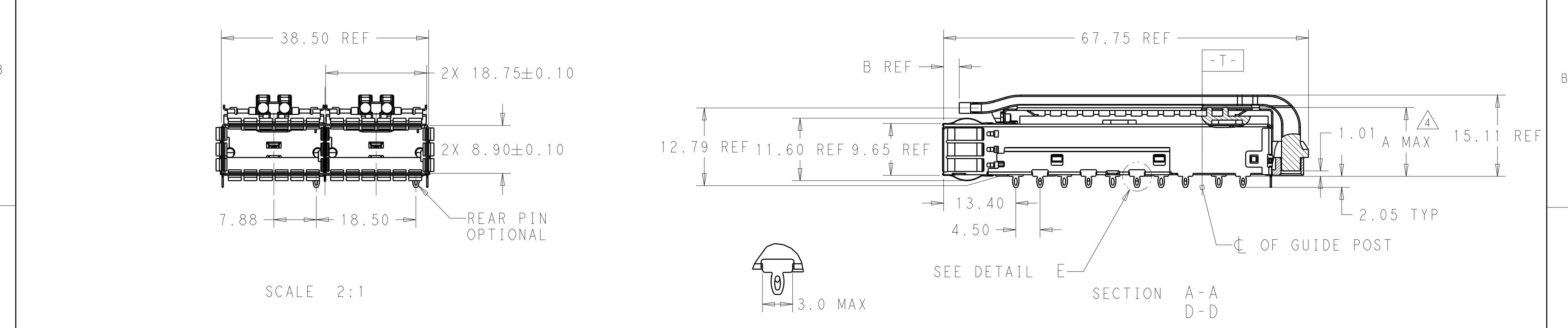
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

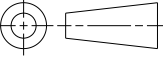
4. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE

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

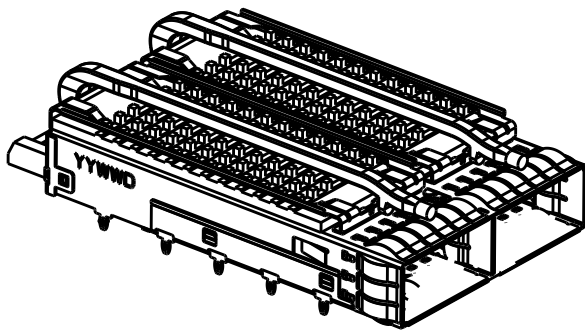
7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.
8. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
10. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
11. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.
12. PRELIMINARY PART - NOT RELEASED FOR PRODUCTION.



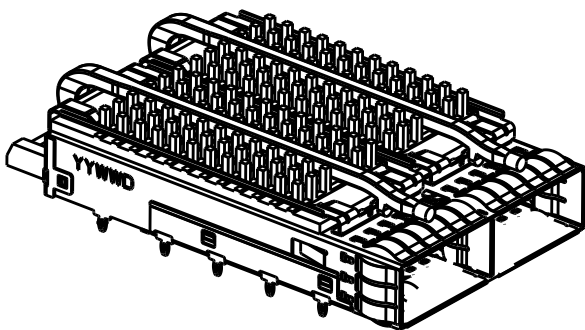
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014	 TE Connectivity			
DIMENSIONS: mm		CHK JASON YANG 16SEP2014				
		APVD -	NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES			
		PRODUCT SPEC 108-19428	SIZE A200779			
MATERIAL SEE NOTES		APPLICATION SPEC 114-32023	CAGE CODE C-2170808		DRAWING NO -	
FINISH SEE NOTES		WEIGHT -	CUSTOMER DRAWING		SCALE 1:1	SHEET 1 OF 9
				REV B		

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

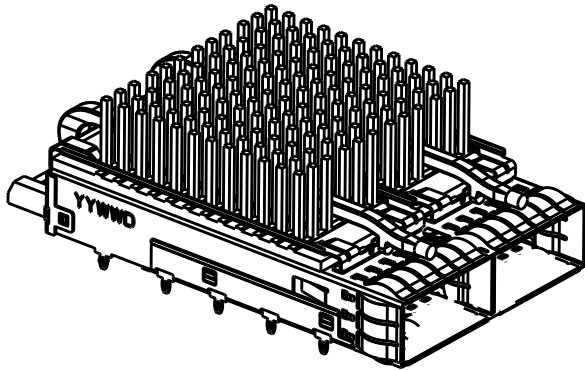
HEAT SINK OPTION



PCI HEAT SINK HEIGHT
SCALE 1:1

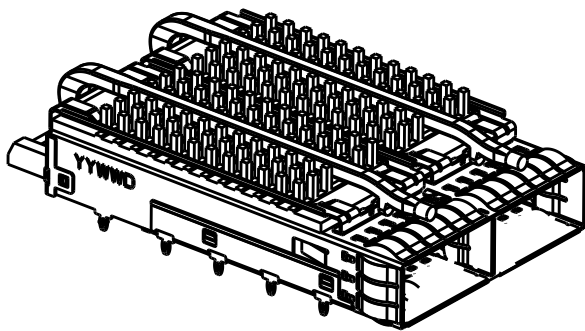


SAN HEAT SINK HEIGHT
SCALE 1:1

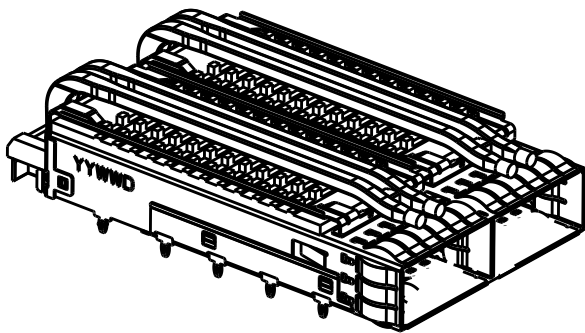


NETWORKING HEAT SINK HEIGHT
SCALE 1:1

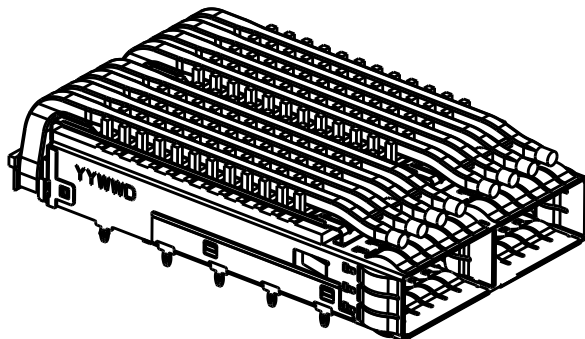
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 1:1

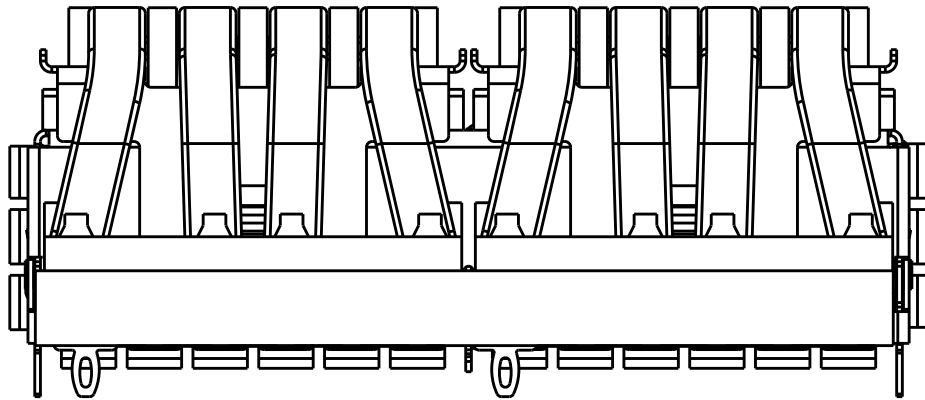


DUAL LIGHT PIPE
SCALE 1:1

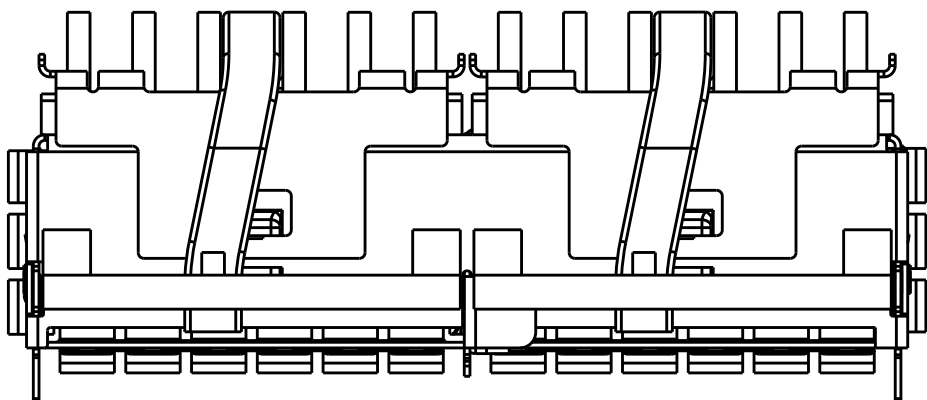


QUAD LIGHT PIPE
SCALE 1:1

OF REAR PIN OPTION



1 REAR PIN
SCALE 3:1



0 REAR PIN
SCALE 3:1

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DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
MATERIAL SEE NOTES		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -		SIZE A200779	CAGE CODE C-2170808
		CUSTOMER DRAWING		SCALE 1:1	SHEET 2 OF 9
				REV B	

4

3

2

1

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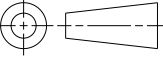
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

0	3.4	16.0	SAN	COATED QUAD LP	5-2170808-5
1	2.9	18.4	CUSTOMIZED	QUAD LP	4-2170808-7
0	2.9	23.0	NETWORKING	QUAD LP	4-2170808-6
0	2.9	16.0	SAN	QUAD LP	4-2170808-5
0	2.9	13.7	PCI	QUAD LP	4-2170808-4
1	2.9	23.0	NETWORKING	QUAD LP	4-2170808-3
1	2.9	16.0	SAN	QUAD LP	4-2170808-2
1	2.9	13.7	PCI	QUAD LP	4-2170808-1
1	4.5	13.7	PCI	SHORTER, QUAD LP	4-2170808-0
0	2.9	23.0	NETWORKING	DUAL LP	2-2170808-6
0	2.9	16.0	SAN	DUAL LP	2-2170808-5
0	2.9	13.7	PCI	DUAL LP	2-2170808-4
1	2.9	23.0	NETWORKING	DUAL LP	2-2170808-3
1	2.9	16.0	SAN	DUAL LP	2-2170808-2
1	2.9	13.7	PCI	DUAL LP	2-2170808-1
0	2.9	23.0	NETWORKING	SINGLE LP	2170808-6
0	2.9	16.0	SAN	SINGLE LP	2170808-5
0	2.9	13.7	PCI	SINGLE LP	2170808-4
1	2.9	23.0	NETWORKING	SINGLE LP	2170808-3
1	2.9	16.0	SAN	SINGLE LP	2170808-2
1	2.9	13.7	PCI	SINGLE LP	2170808-1
# OF REAR PIN	DIM B (LP EXTRUDE)	DIM A (PRODUCT HEIGHT)	APPLICATION	LIGHT PIPE OPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-
1 PLC ±0.25
2 PLC ±0.2
3 PLC ±-
4 PLC ±-
ANGLES ±-
FINISH

MATERIAL

SEE NOTES

-

DWN
BING LIU
CHK
JASON YANG
APVD
-
PRODUCT SPEC
108-19428
APPLICATION SPEC
114-32023
WEIGHT
-
CUSTOMER DRAWING

16SEP2014

16SEP2014

-

NAME

RECEPTACLE CAGE ASSEMBLY
1X2, QSFP28, THRU BEZEL, SPRING
WITH HEAT SINKS AND LIGHT PIPES

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-2170808

RESTRICTED TO
-

SCALE
1:1

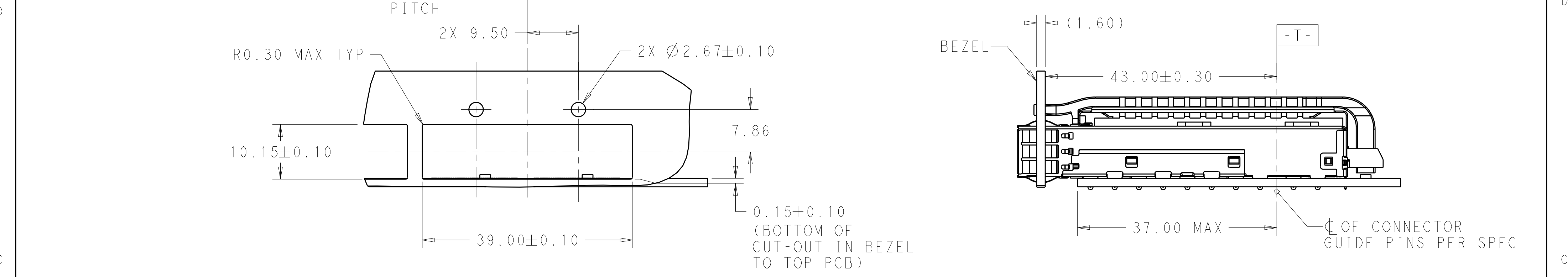
SHEET
3 OF 9

REV
B

TE Connectivity

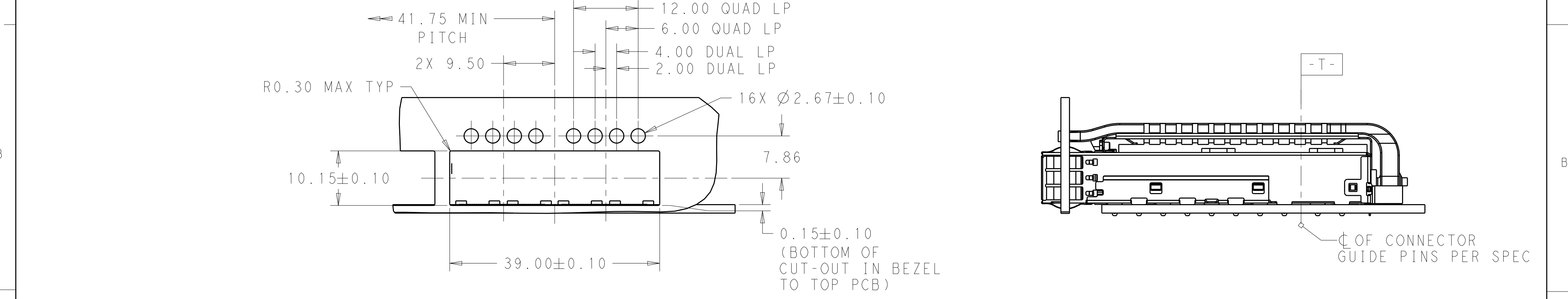
1471-9 (3/13)

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



CAGE ASSEMBLY IS OMITED

SINGLE SIDE MOUNTING
SCALE 2:1



CAGE ASSEMBLY IS OMITED

SINGLE SIDE MOUNTING
SCALE 2:1

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DIMENSIONS:

mm

MATERIAL

SEE NOTES

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2 PLC ±0.2

3 PLC ±-

4 PLC ±-

ANGLES ±-

FINISH

SEE NOTES

-

DWN BING LIU 16SEP2014

CHK JASON YANG 16SEP2014

APVD -

PRODUCT SPEC 108-19428

APPLICATION SPEC 114-32023

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME

RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-2170808

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-

SCALE 1:1

SHEET 4 OF 9

REV B

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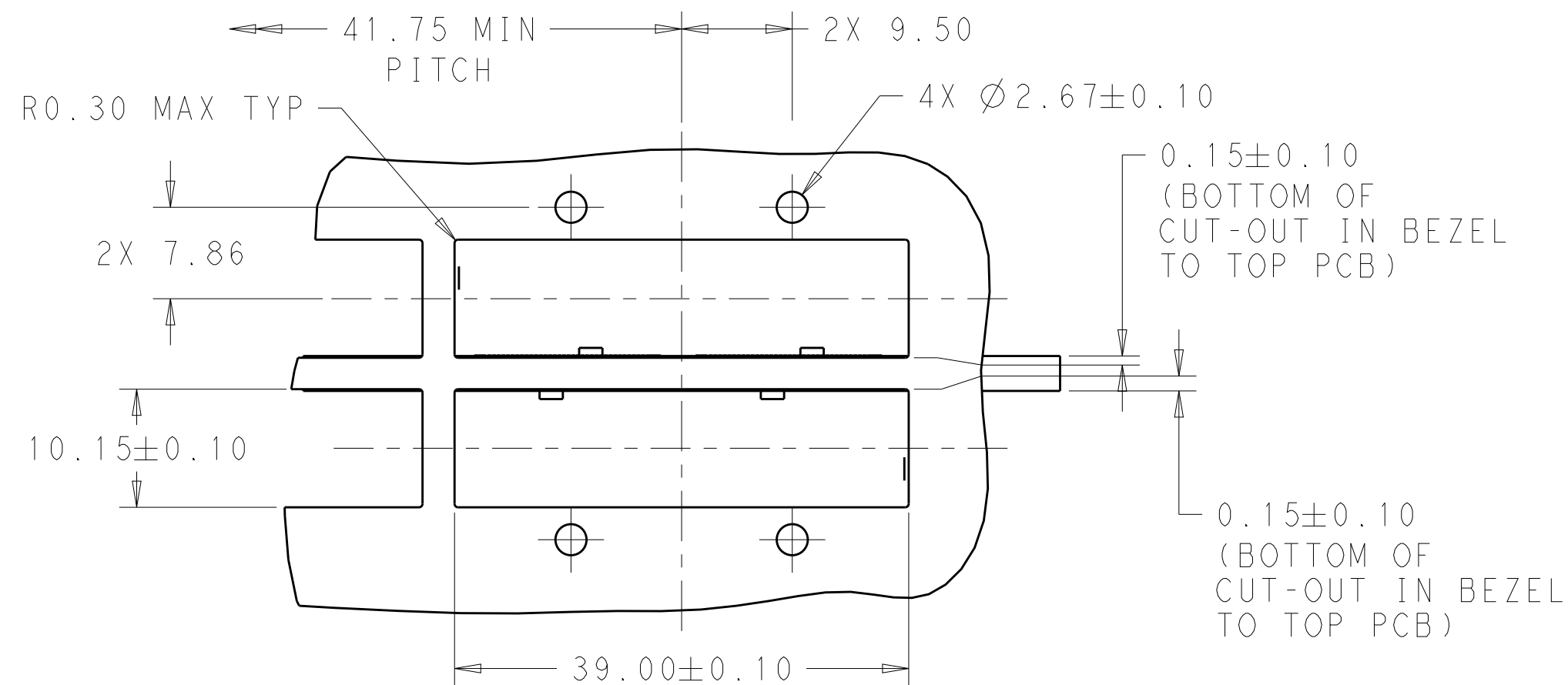
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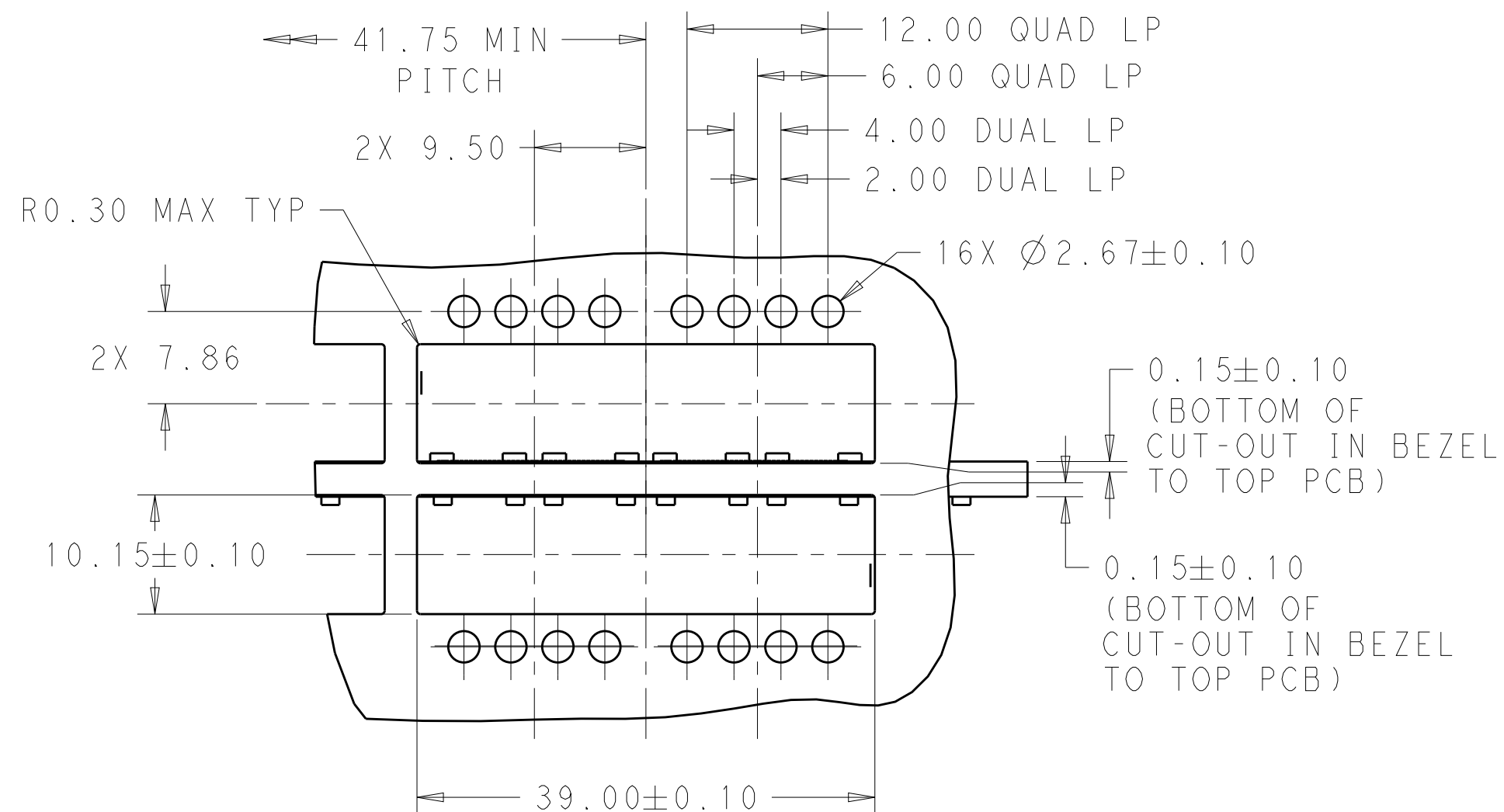
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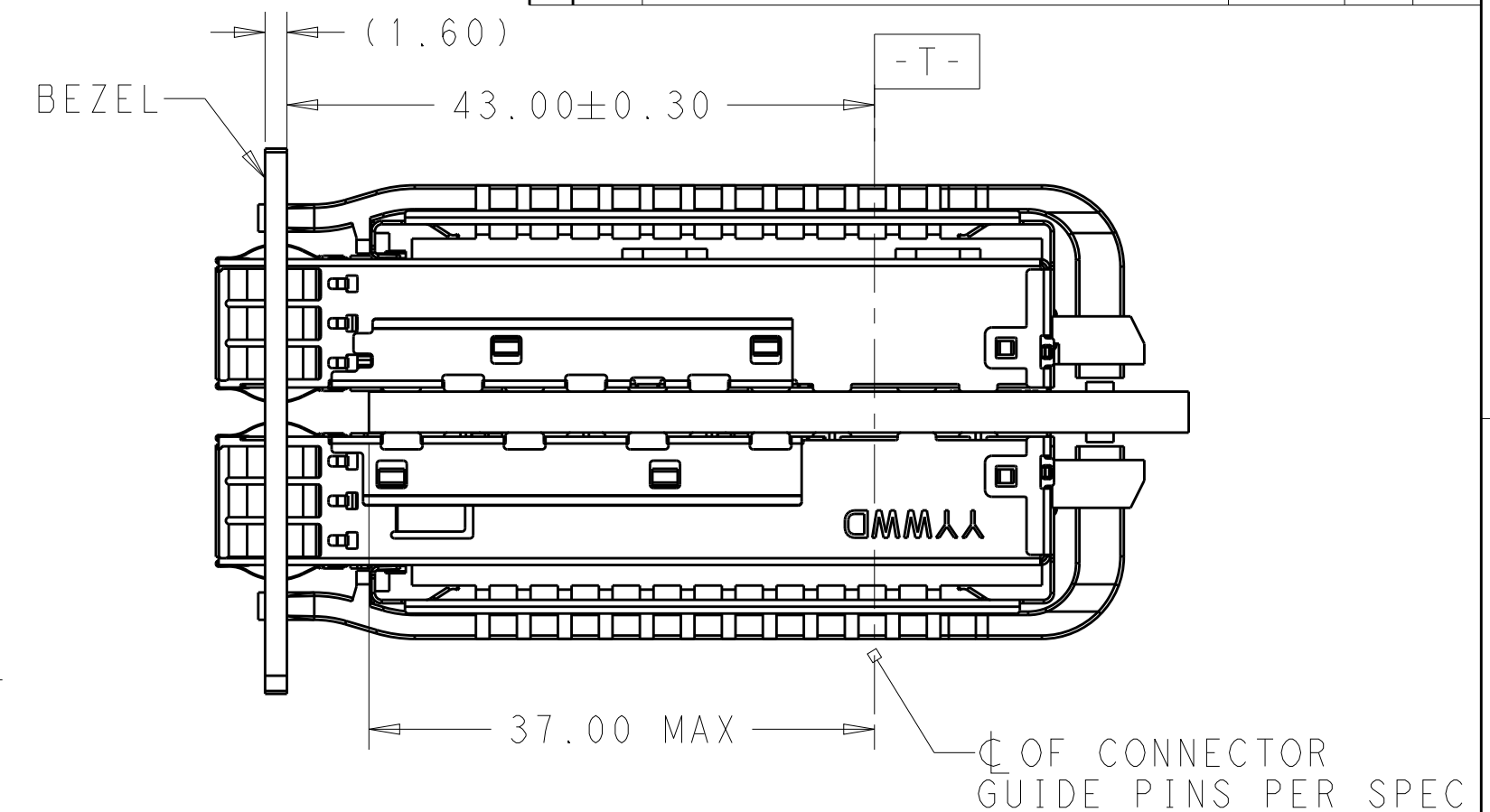
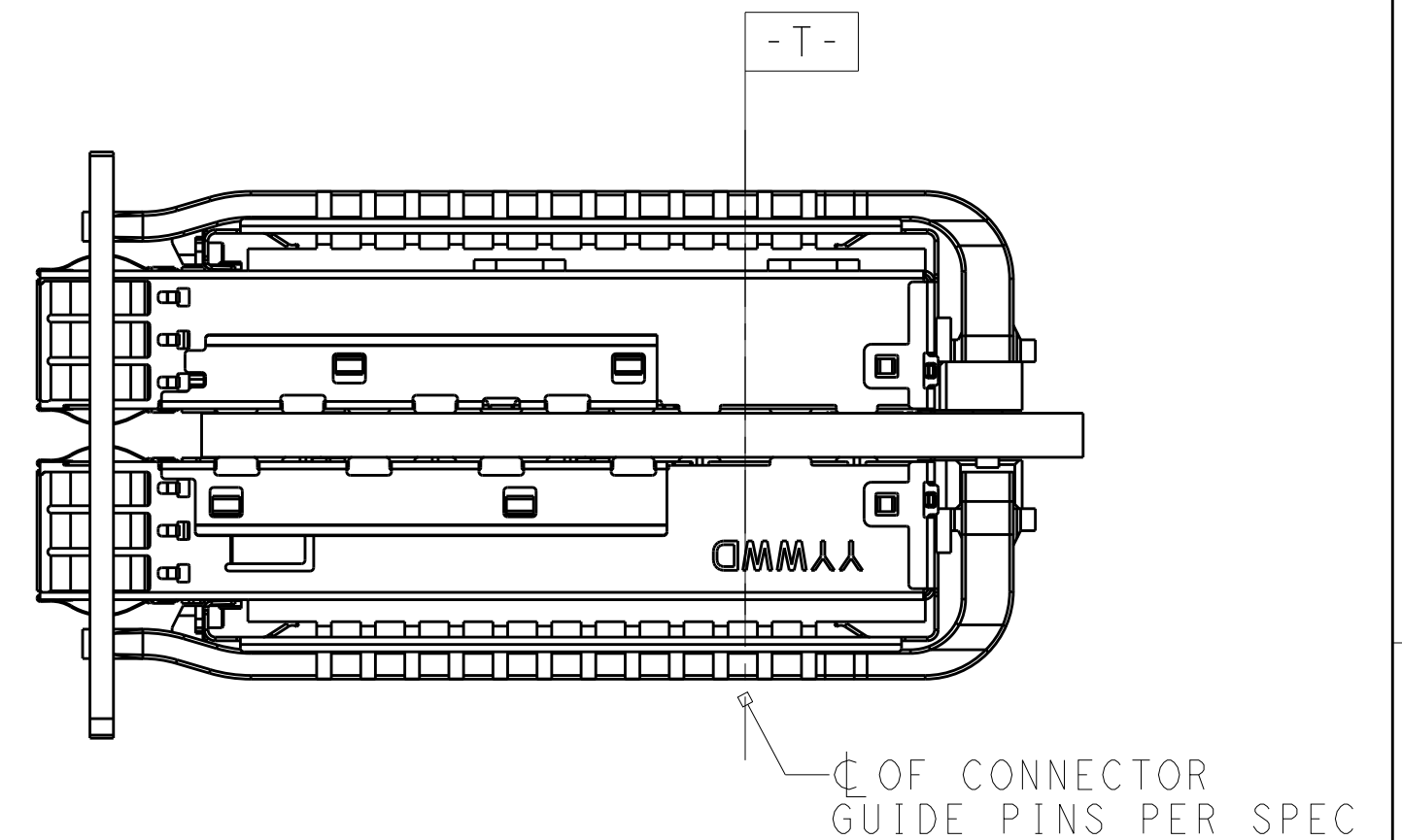
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-	-	SEE SHEET 1	-	-	-

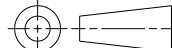


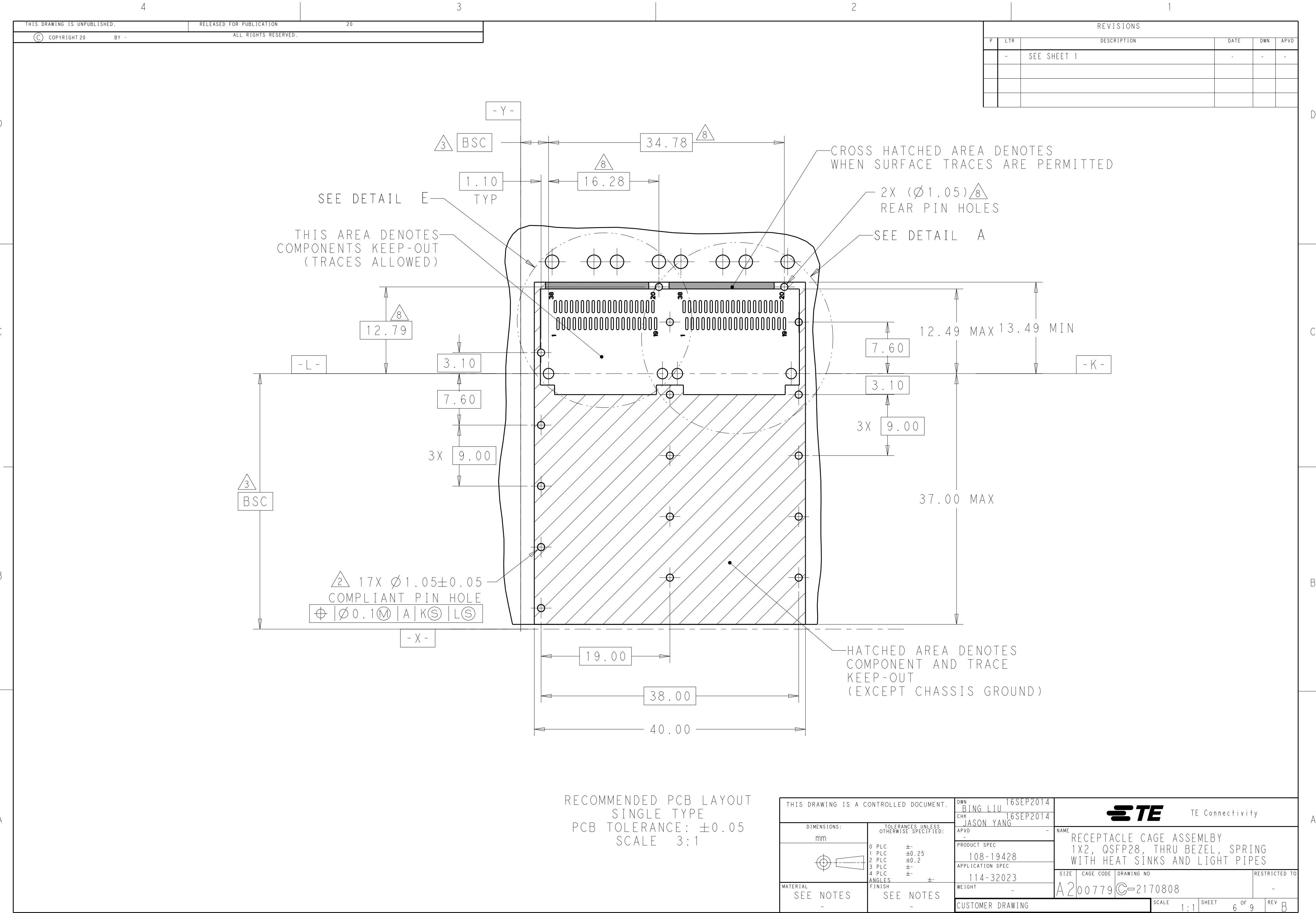
CAGE ASSEMBLY IS OMITED



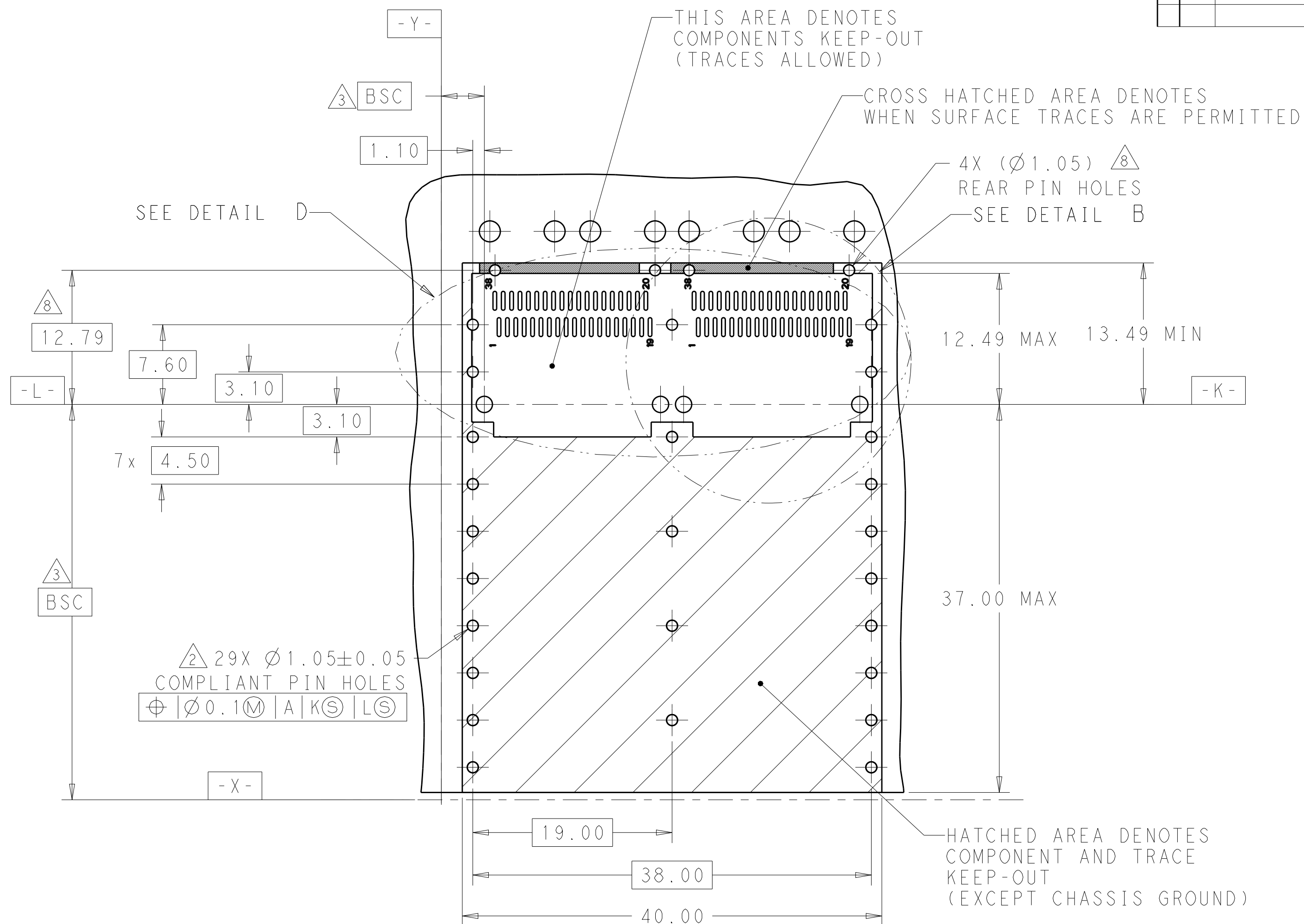
CAGE ASSEMBLY IS OMITED

BELLY TO BELLY MOUNTING
SCALE 2:1BELLY TO BELLY MOUNTING
SCALE 2:1

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		CHK JASON YANG 16SEP2014					
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TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±		APPLICATION SPEC 114-32023	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
MATERIAL SEE NOTES -		WEIGHT -	A2	00779	C-2170808	-	
FINISH SEE NOTES -		CUSTOMER DRAWING			SCALE	SHEET	REV
					1:1	5 of 9	B



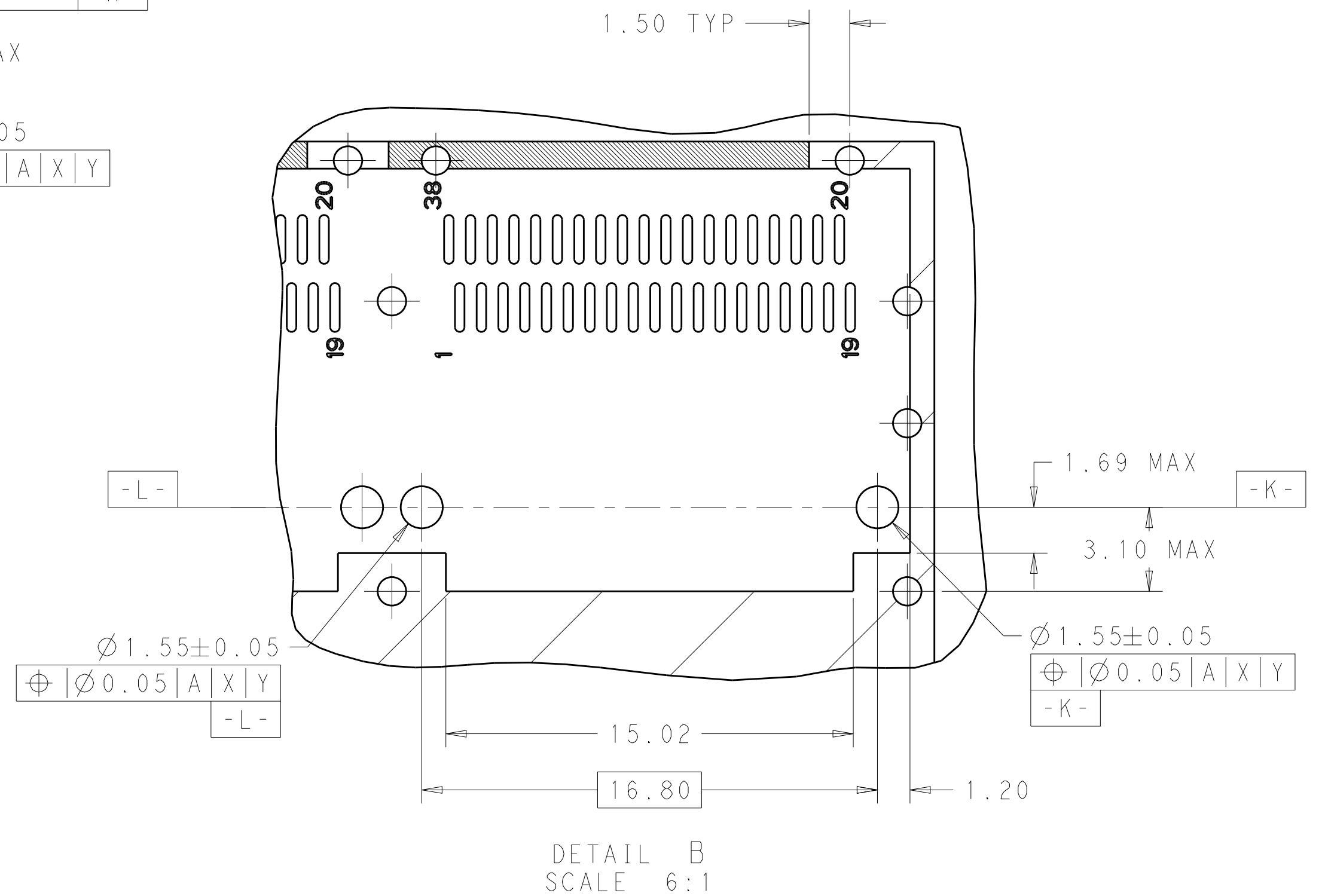
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



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

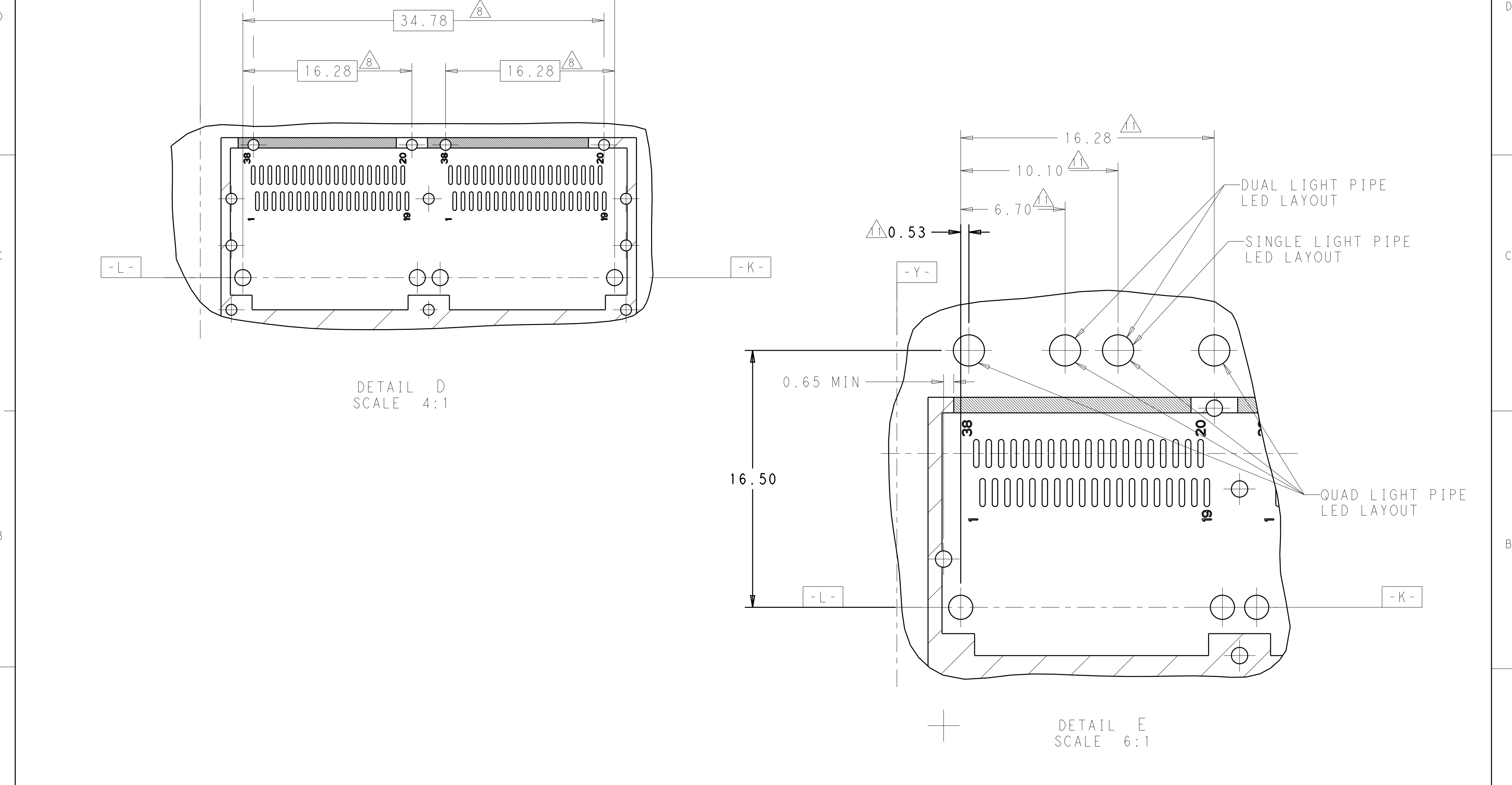
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		CHR 16SEP2014 JASON YANG			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
mm		APVD -			
		PRODUCT SPEC 108-19428			
0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±±		APPLICATION SPEC 114-32023			
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO A200779 C-2170808	
SEE NOTES		SEE NOTES		RESTRICTED TO	
-		-		-	
CUSTOMER DRAWING				SCALE 1:1 SHEET 7 of 9 REV B	

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



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		CHR 16SEP2014 JASON YANG							
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES		RESTRICTED TO -			
		APVD -							
0 PLC ±. 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -							
MATERIAL SEE NOTES -		SEE NOTES -		SIZE A2		CAGE CODE 00779		DRAWING NO C-2170808	
CUSTOMER DRAWING				SCALE 1:1		SHEET 8 of 9		REV B	

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



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DWN

BING LIU

16SEP2014

CHK

JASON YANG

16SEP2014

APVD

-

-

DIMENSIONS:

mm

0 PLC

±

1 PLC

±0.25

2 PLC

±0.2

3 PLC

±

4 PLC

±

ANGLES

±

FINISH

SEE NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC

±

1 PLC

±0.25

2 PLC

±0.2

3 PLC

±

4 PLC

±

ANGLES

±

FINISH

SEE NOTES

PRODUCT SPEC

108-19428

APPLICATION SPEC

114-32023

WEIGHT

-

CUSTOMER DRAWING

NAME

RECEPTACLE CAGE ASSEMBLY
1X2, QSFP28, THRU BEZEL, SPRING
WITH HEAT SINKS AND LIGHT PIPES

SIZE

A2

00779

C-2170808

RESTRICTED TO

-

SCALE

1:1

SHEET

9

OF

9

REV

B

Mouser Electronics

Authorized Distributor

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[4-2170808-4](#)