

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE	31OCT2016	JY	SH
	B	ADD NEW PN 4-2170808-7	21MAY2019	JY	SH
	B1	REVISED PER ECN-22-135969	08JAN2022	TP	SZ

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

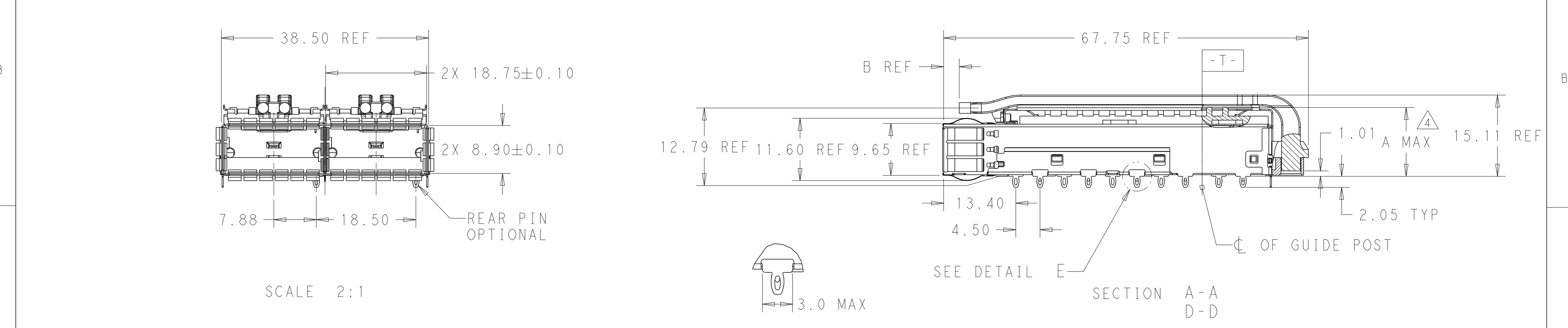
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

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.



DETAIL E
SCALE 4:1

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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

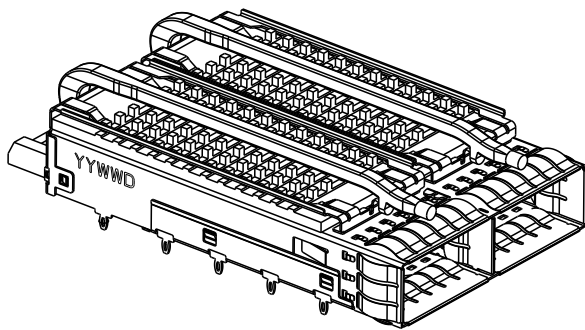
SIZE A2 CAGE CODE 00779 DRAWING NO C-2170808

RESTRICTED TO -

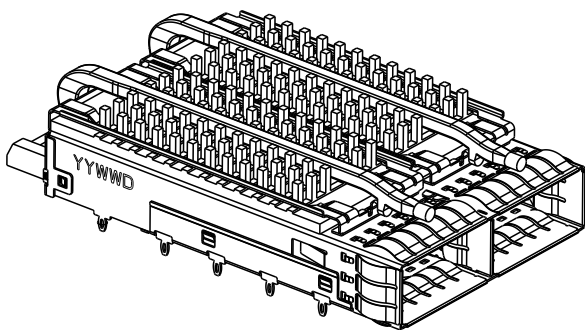
SCALE 1:1 SHEET 1 OF 9 REV B1

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

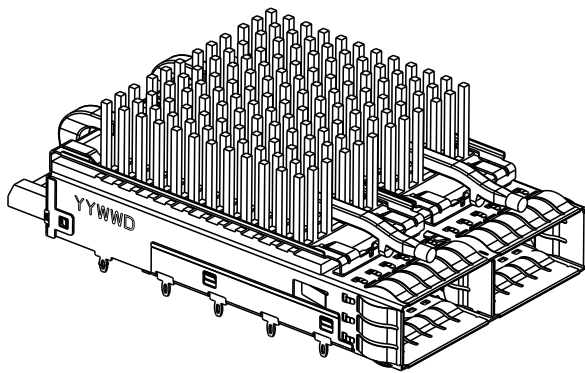
HEAT SINK OPTION



PCI HEAT SINK HEIGHT
SCALE 1:1

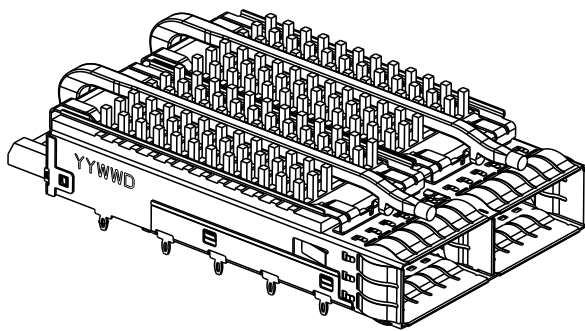


SAN HEAT SINK HEIGHT
SCALE 1:1

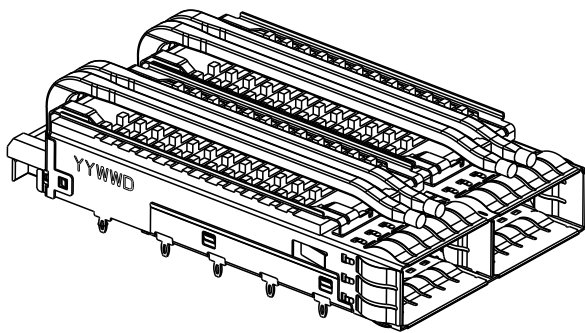


NETWORKING HEAT SINK HEIGHT
SCALE 1:1

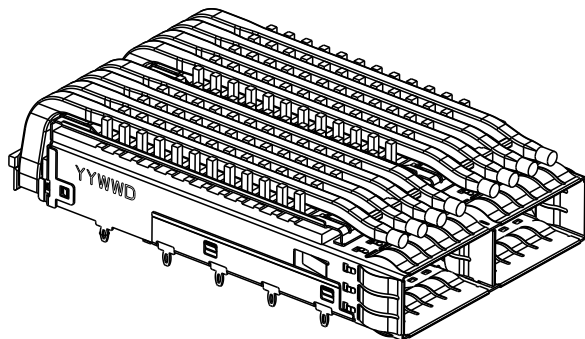
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 1:1

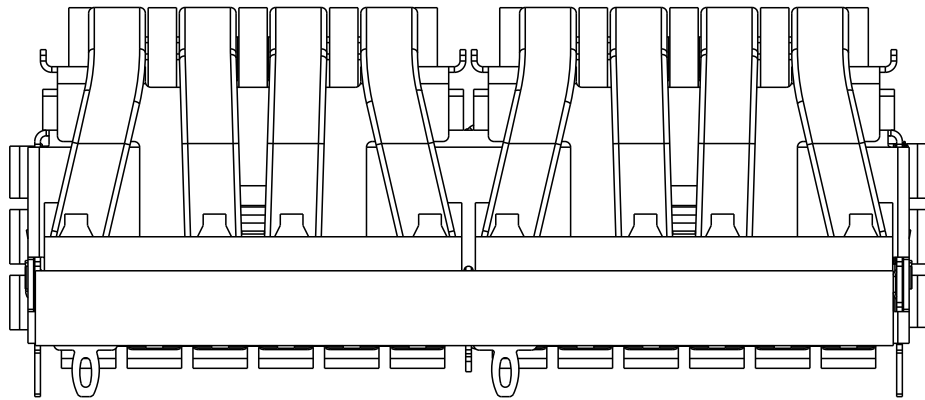


DUAL LIGHT PIPE
SCALE 1:1

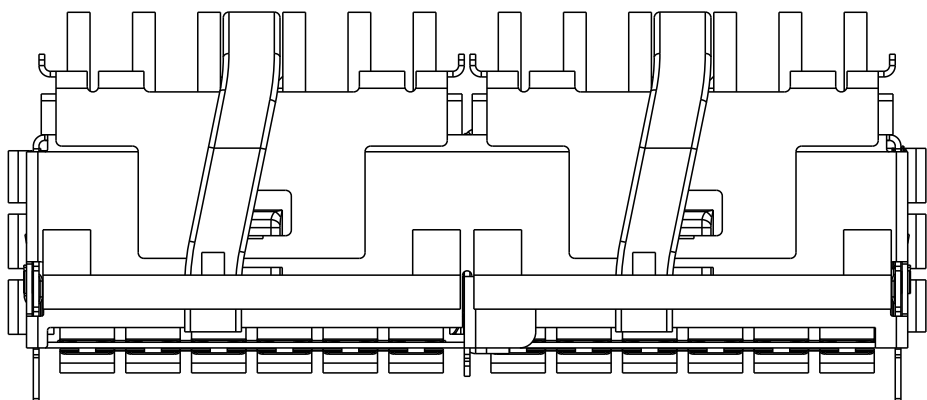


QUAD LIGHT PIPE
SCALE 1:1

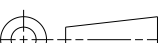
OF REAR PIN OPTION



1 REAR PIN
SCALE 3:1



0 REAR PIN
SCALE 3:1

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			CHK 16SEP2014 JASON YANG								
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES						
mm				PRODUCT SPEC							
		0 PLC ±-		108-19428							
		1 PLC ±0.25		APPLICATION SPEC							
		2 PLC ±0.2		114-32023							
		3 PLC ±-		WEIGHT -							
4 PLC ±-		ANGLES ±-		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO			
MATERIAL		FINISH		A2		00779	C-2170808	-			
SEE NOTES		SEE NOTES		CUSTOMER DRAWING					SCALE 1:1	SHEET 2 OF 9	REV B1
-		-									

4

3

2

1

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RELEASED FOR PUBLICATION

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REVISIONS

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

0	3.4	16.0	SAN	COATED QUAD LP	5-2170808-5
0	2.9	30.0	CUSTOMIZED	QUAD LP	2170808-8
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

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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

MATERIAL

SEE NOTES

-

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

16SEP2014

16SEP2014

-

108-19428

114-32023

-

CUSTOMER DRAWING

SCALE 1:1

SHEET 3 OF 9

REV B1

TE Connectivity

NAME

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

SIZE
A2

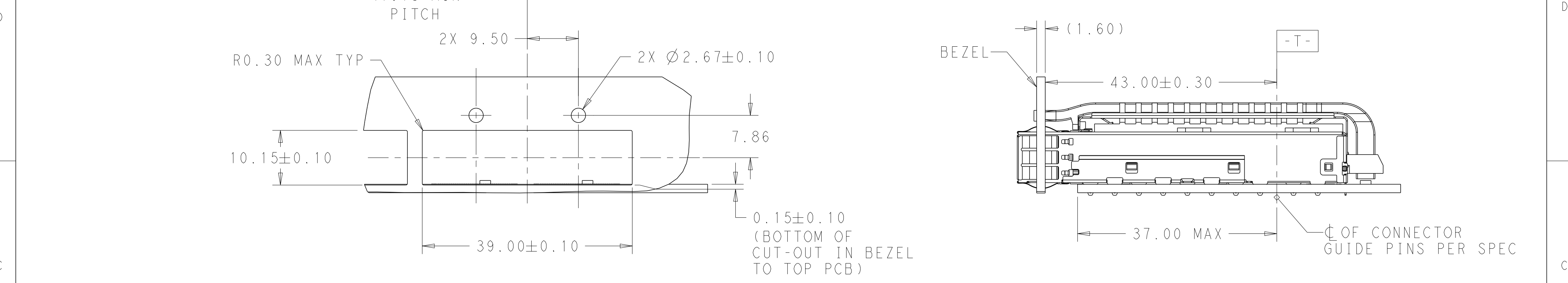
CAGE CODE
00779

DRAWING NO
C-2170808

RESTRICTED TO
-

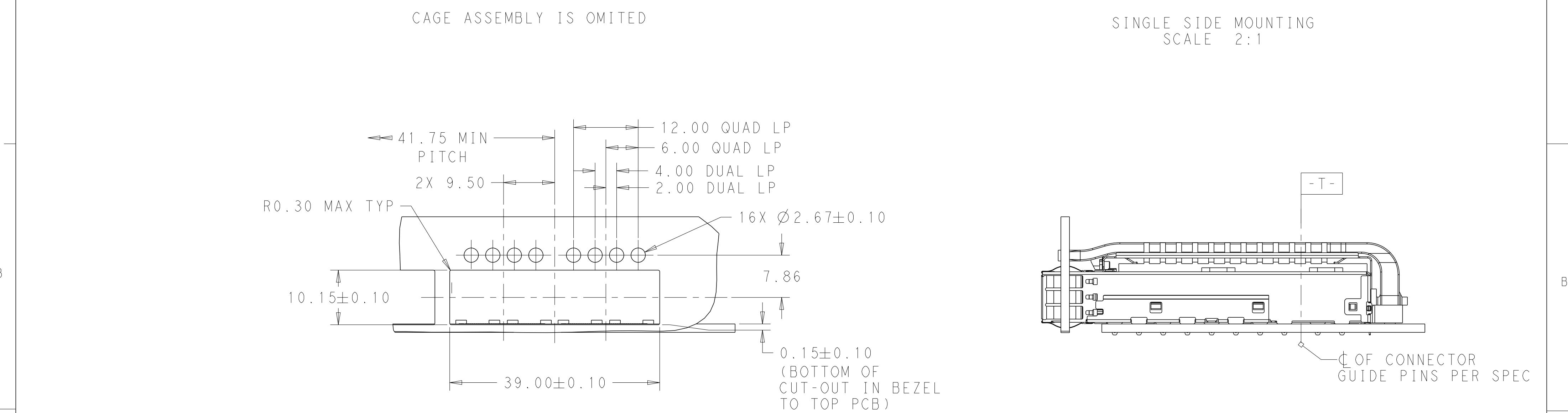
1471-9 (3/13)

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

SEE NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.25

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

-

-

SCALE 1:1

SHEET 4 OF 9

REV B1

D

C

B

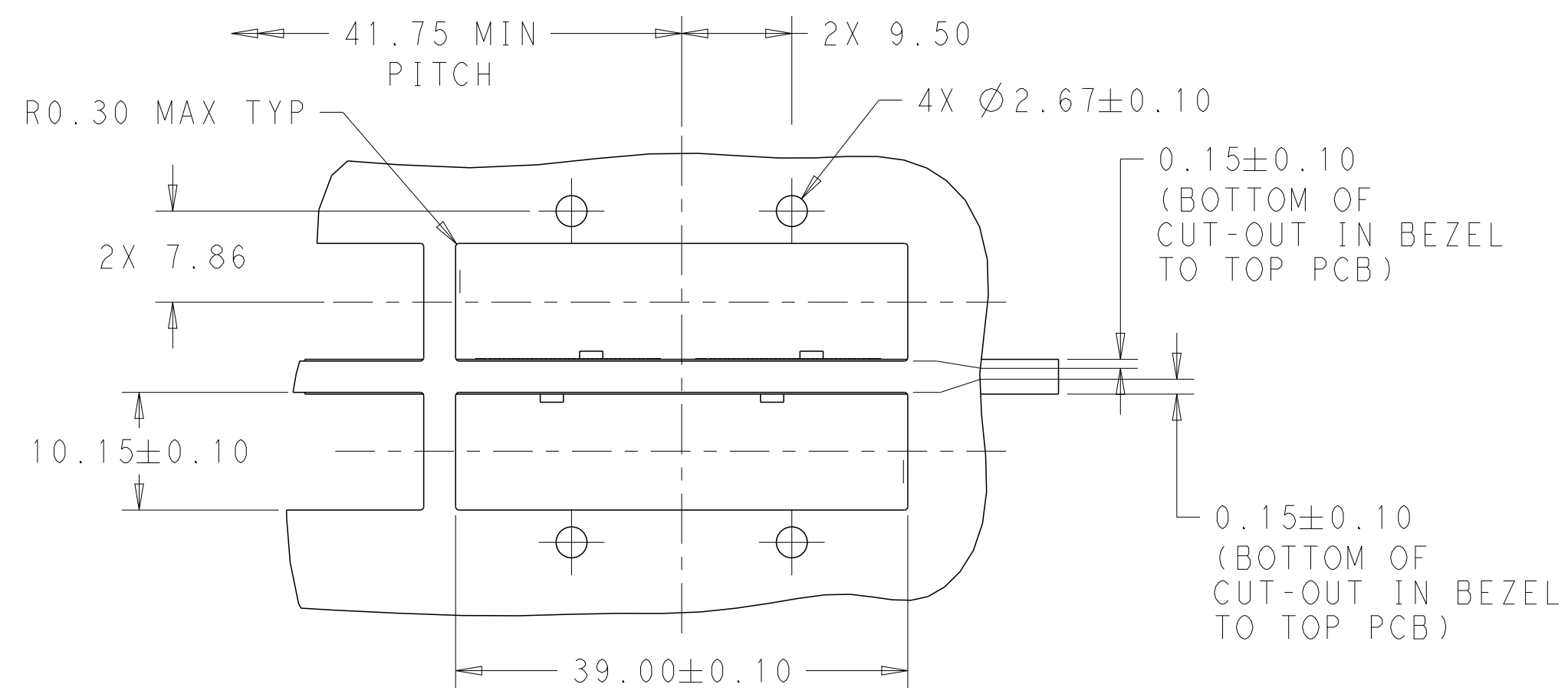
A

D

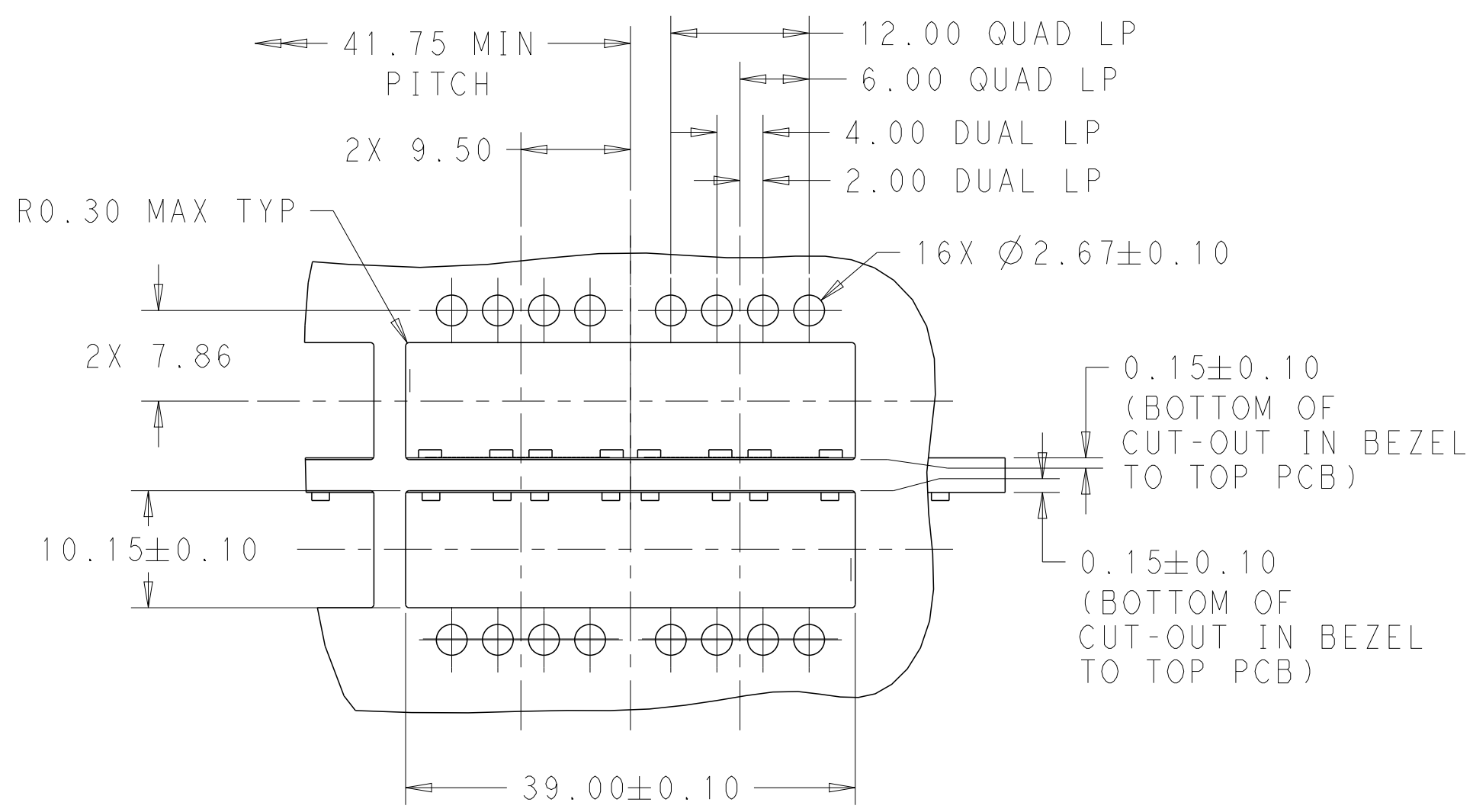
C

B

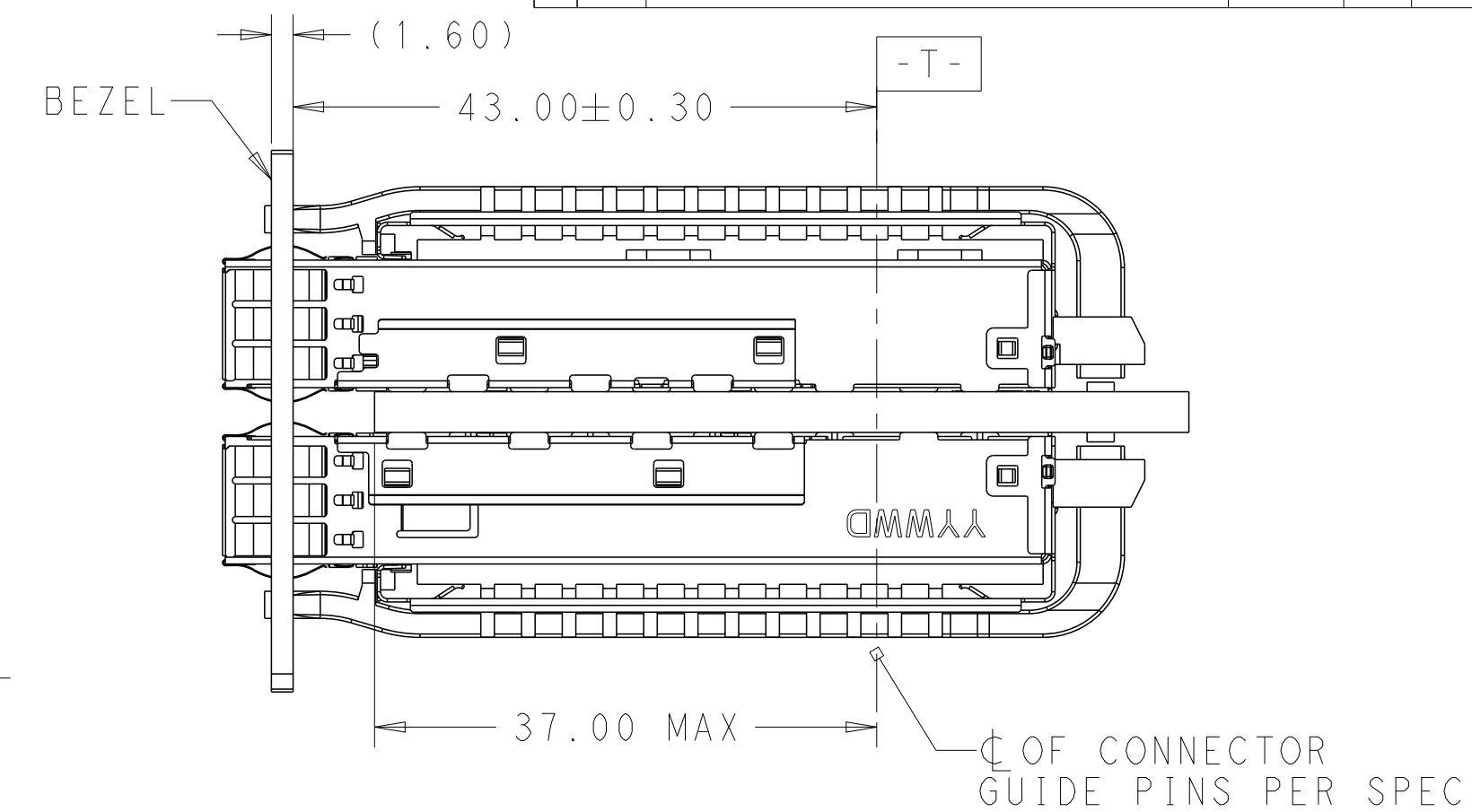
A



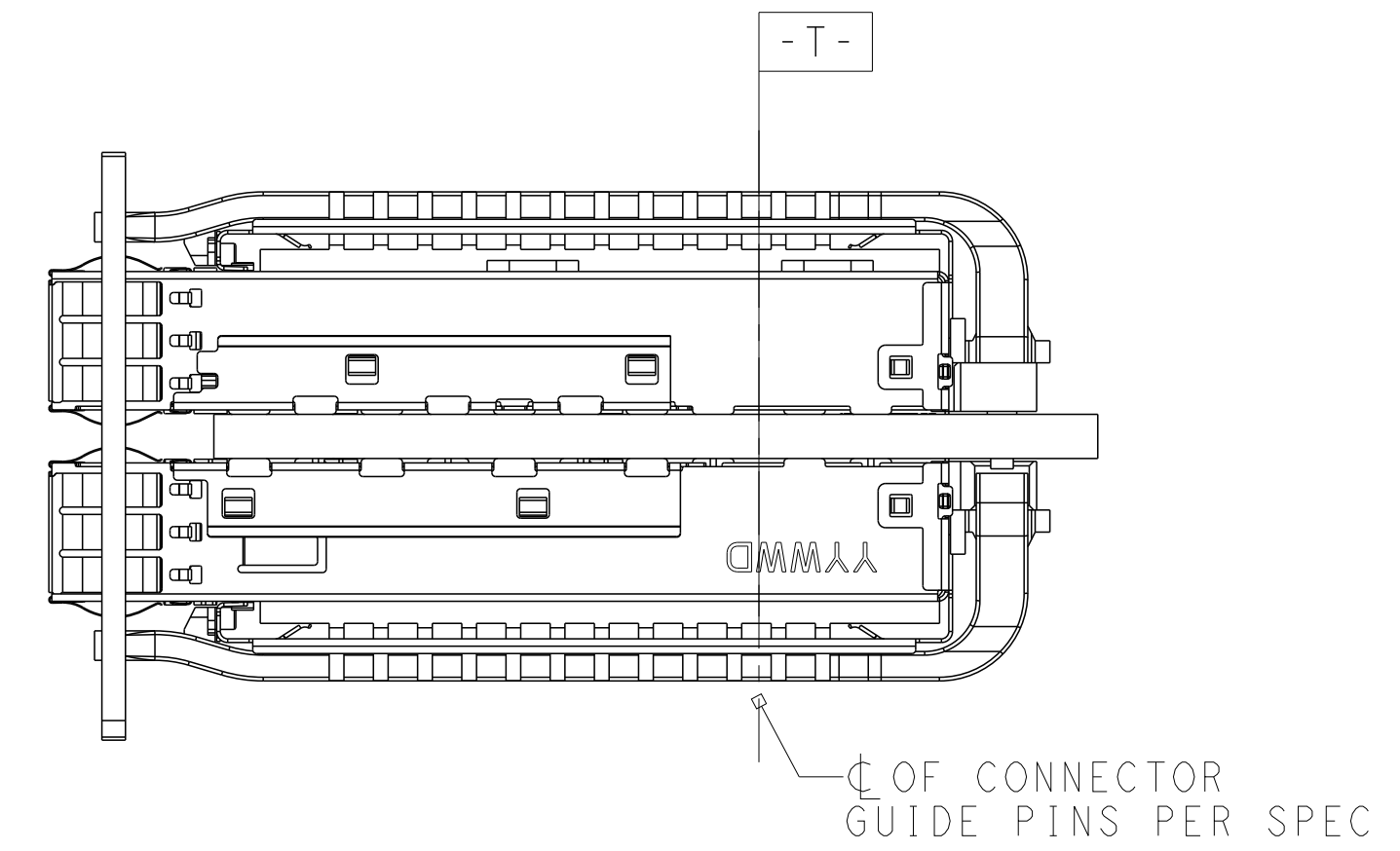
CAGE ASSEMBLY IS OMITED



CAGE ASSEMBLY IS OMITED



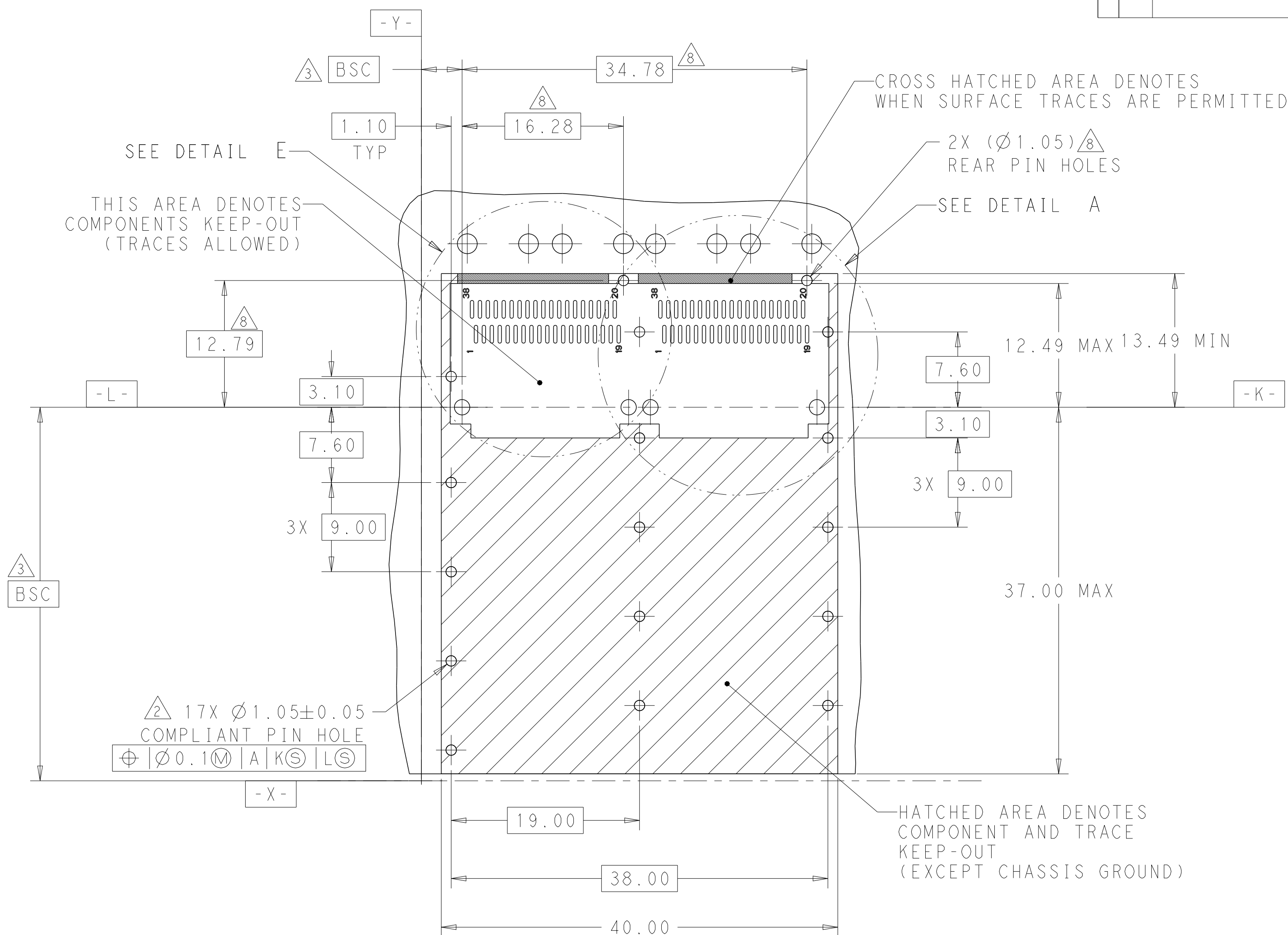
BELLY TO BELLY MOUNTING
SCALE 2:1



BELLY TO BELLY MOUNTING
SCALE 2:1

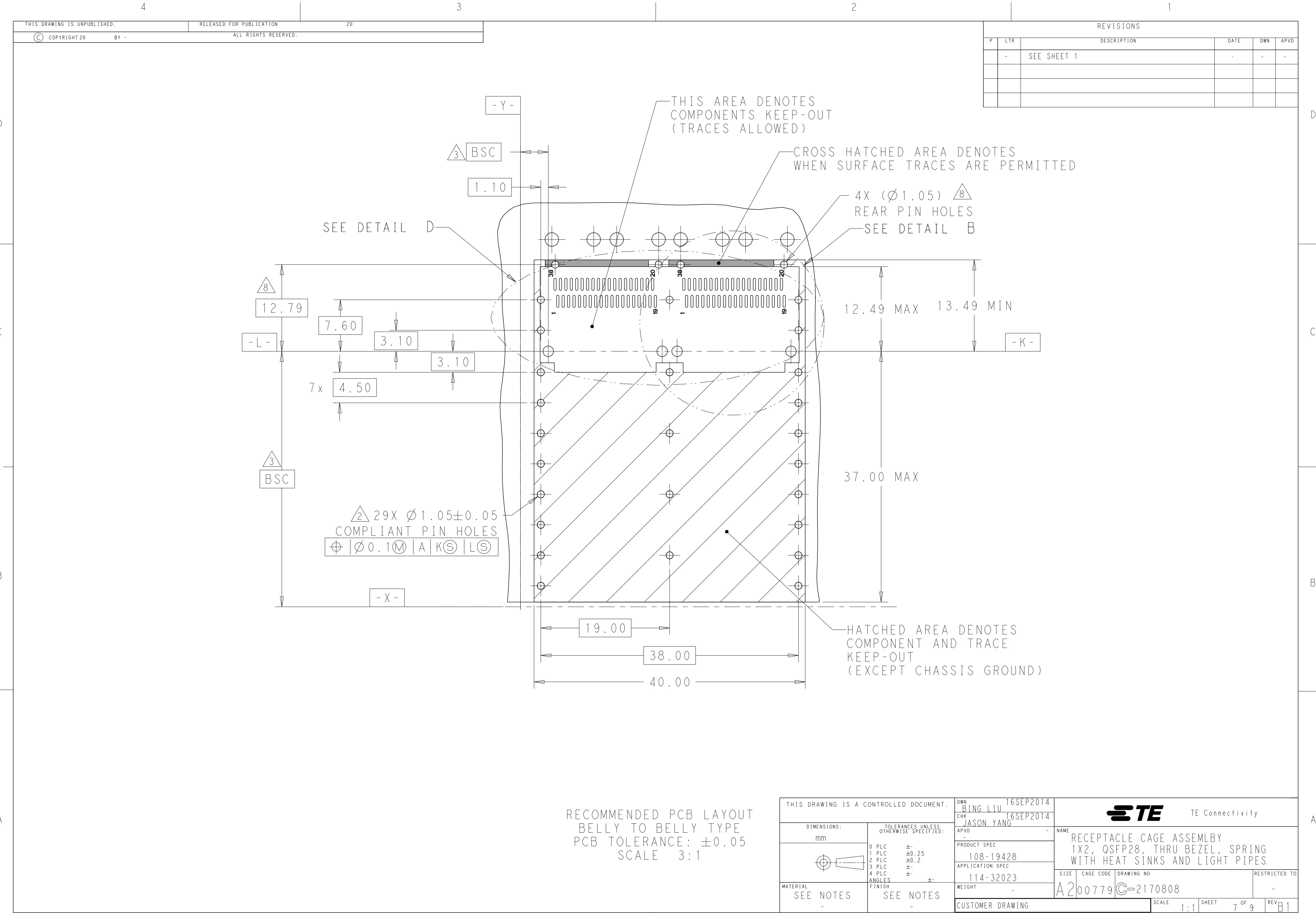
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014	 TE Connectivity										
		CHK JASON YANG 16SEP2014											
DIMENSIONS: mm		APVD -	NAME		RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES								
		PRODUCT SPEC 108-19428											
		APPLICATION SPEC 114-32023	SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO				
		WEIGHT -	A2		00779		C=2170808		-				
MATERIAL SEE NOTES -		FINISH SEE NOTES -		CUSTOMER DRAWING				SCALE 1:1		SHEET 5 OF 9		REV B1	

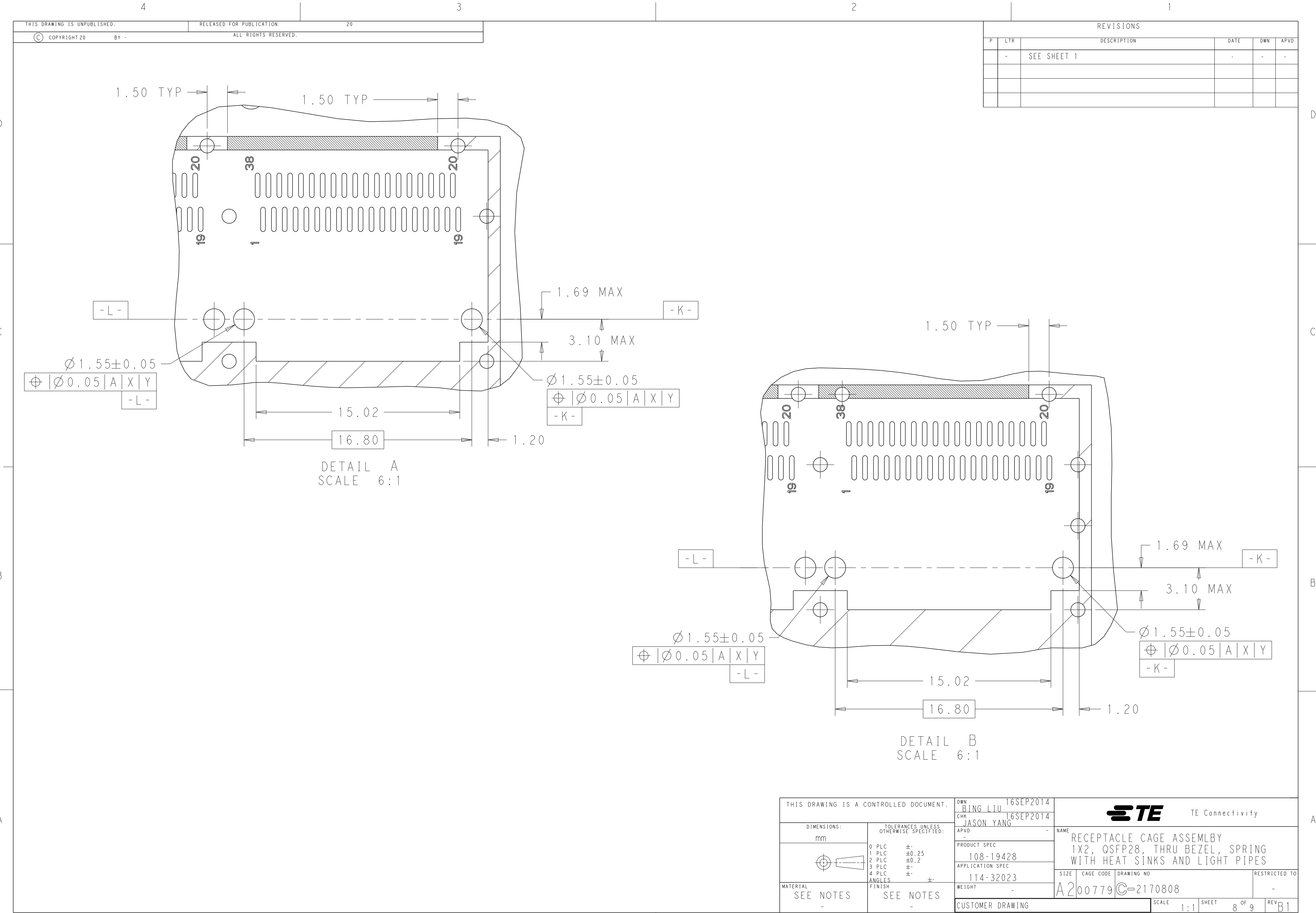
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APV
	-	SEE SHEET 1	-	-	-



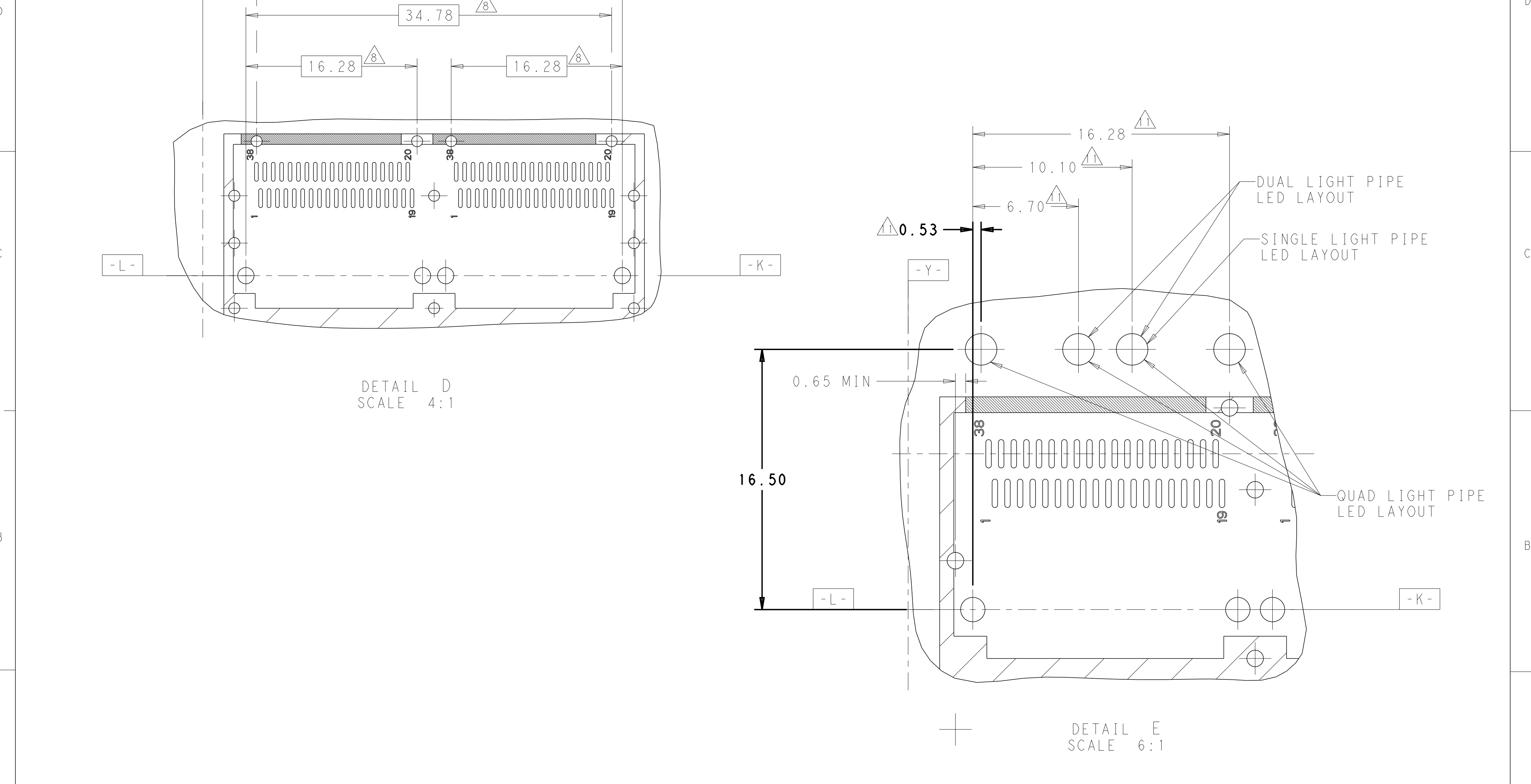
RECOMMENDED PCB LAYOUT
SINGLE TYPE
PCB TOLERANCE: ± 0.05
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16SEP2014 BING LIU		 TE Connectivity	
		CHK 16SEP2014 JASON YANG			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
		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			
SEE NOTES		SEE NOTES		SIZE A2	
-		-		CAGE CODE 00779	
		WEIGHT -		DRAWING NO C-2170808	
		CUSTOMER DRAWING		RESTRICTED TO -	
				SCALE 1:1 SHEET 6 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

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

CAGE CODE

00779

DRAWING NO

C-2170808

RESTRICTED TO

-

SCALE

1:1

SHEET

9

OF

9

REV

B1

TE Connectivity

Mouser Electronics

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