

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

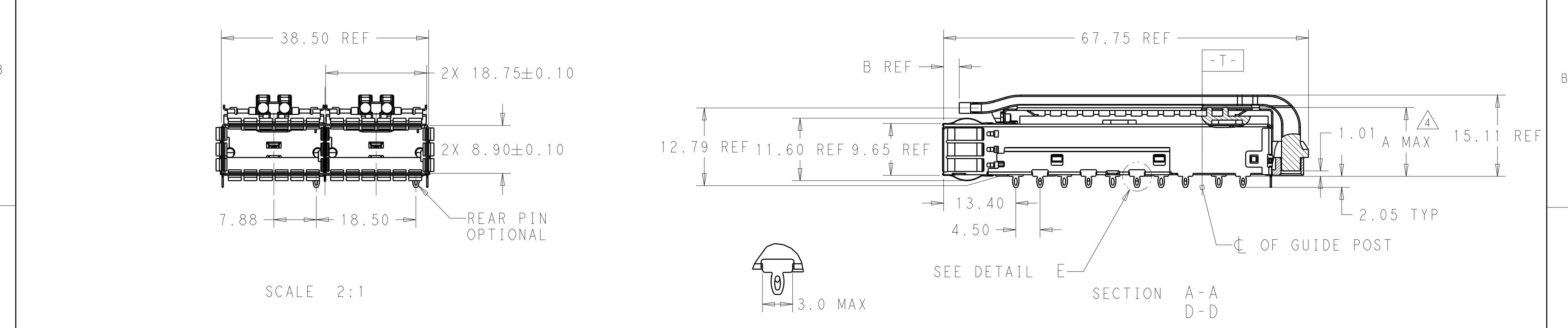
3. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER

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

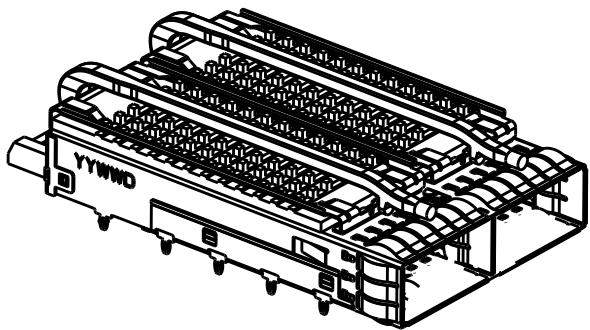
7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.
8. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
9. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
10. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
11. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.
12. PRELIMINARY PART - NOT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



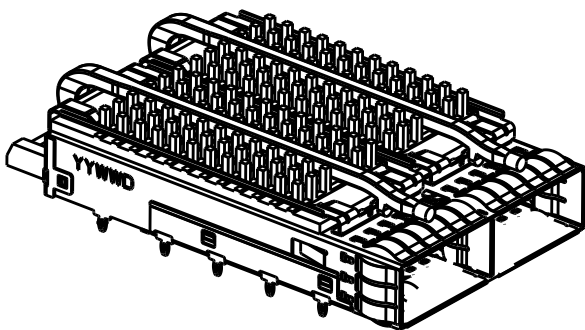
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014	TE Connectivity			
DIMENSIONS: mm		CHK JASON YANG 16SEP2014				
		APVD -	NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES			
		PRODUCT SPEC 108-19428	SIZE A200779			
MATERIAL SEE NOTES		APPLICATION 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	-	-	-

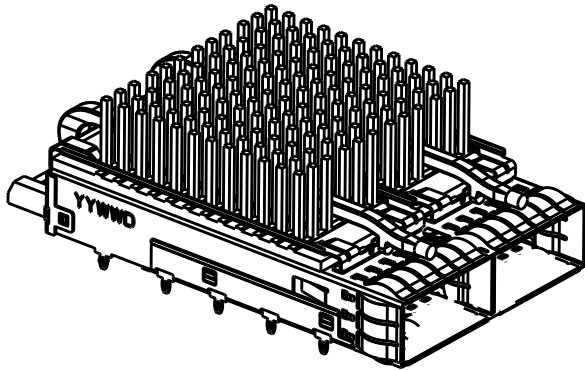
HEAT SINK OPTION



PCI HEAT SINK HEIGHT
SCALE 1:1

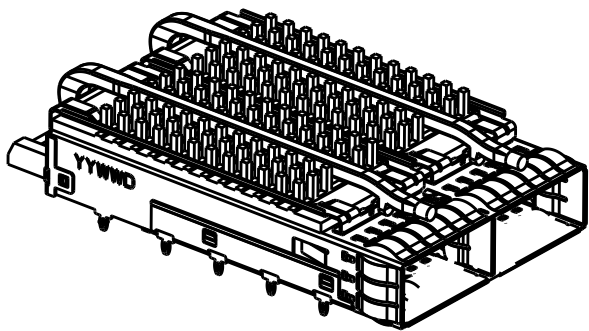


SAN HEAT SINK HEIGHT
SCALE 1:1

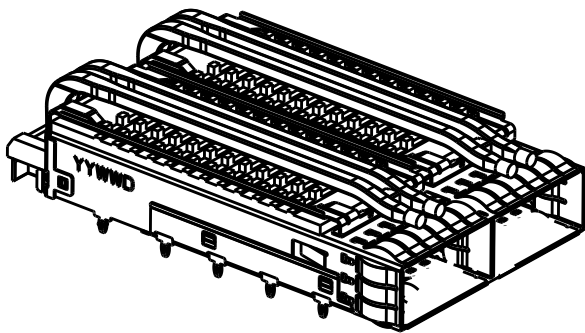


NETWORKING HEAT SINK HEIGHT
SCALE 1:1

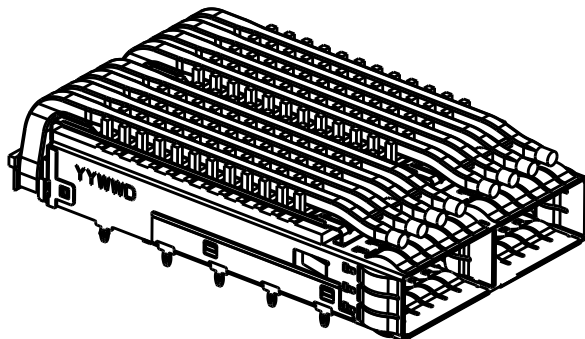
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 1:1

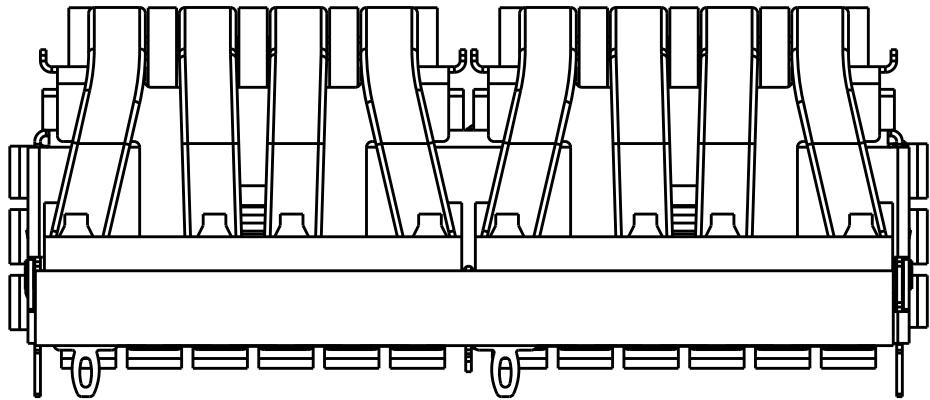


DUAL LIGHT PIPE
SCALE 1:1

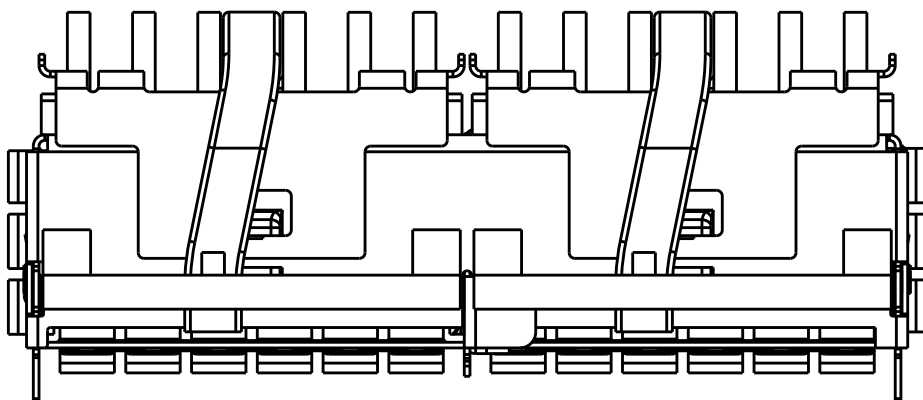


QUAD LIGHT PIPE
SCALE 1:1

OF REAR PIN OPTION



1 REAR PIN
SCALE 3:1



0 REAR PIN
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU CHK JASON YANG APVD -	16SEP2014 16SEP2014 -	TE Connectivity	
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	

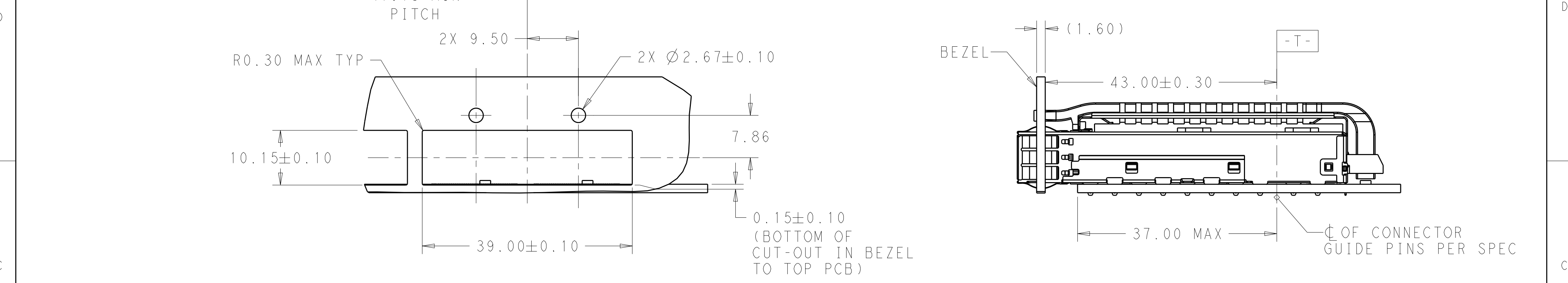
THIS DRAWING IS UNPUBLISHED.	RELEASED FOR PUBLICATION	20
(C) COPYRIGHT 20 BY - ALL RIGHTS RESERVED.		

REVISIONS					
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

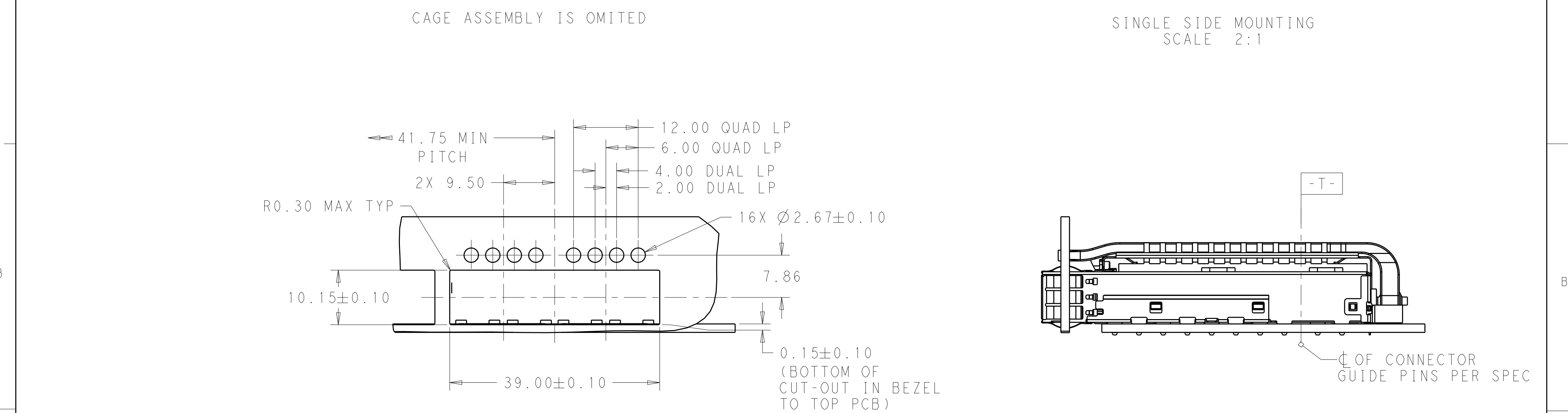
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16SEP2014 BING LIU CHK 16SEP2014 JASON YANG		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023 WEIGHT -		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL SEE NOTES -		WEIGHT -		A200779 C-2170808 SCALE 1:1 SHEET 3 of 9 REV B	
CUSTOMER DRAWING		SCALE 1:1 SHEET 3 of 9 REV B			

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 16SEP2014 BING LIU

CHK 16SEP2014 JASON YANG

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 B

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

©

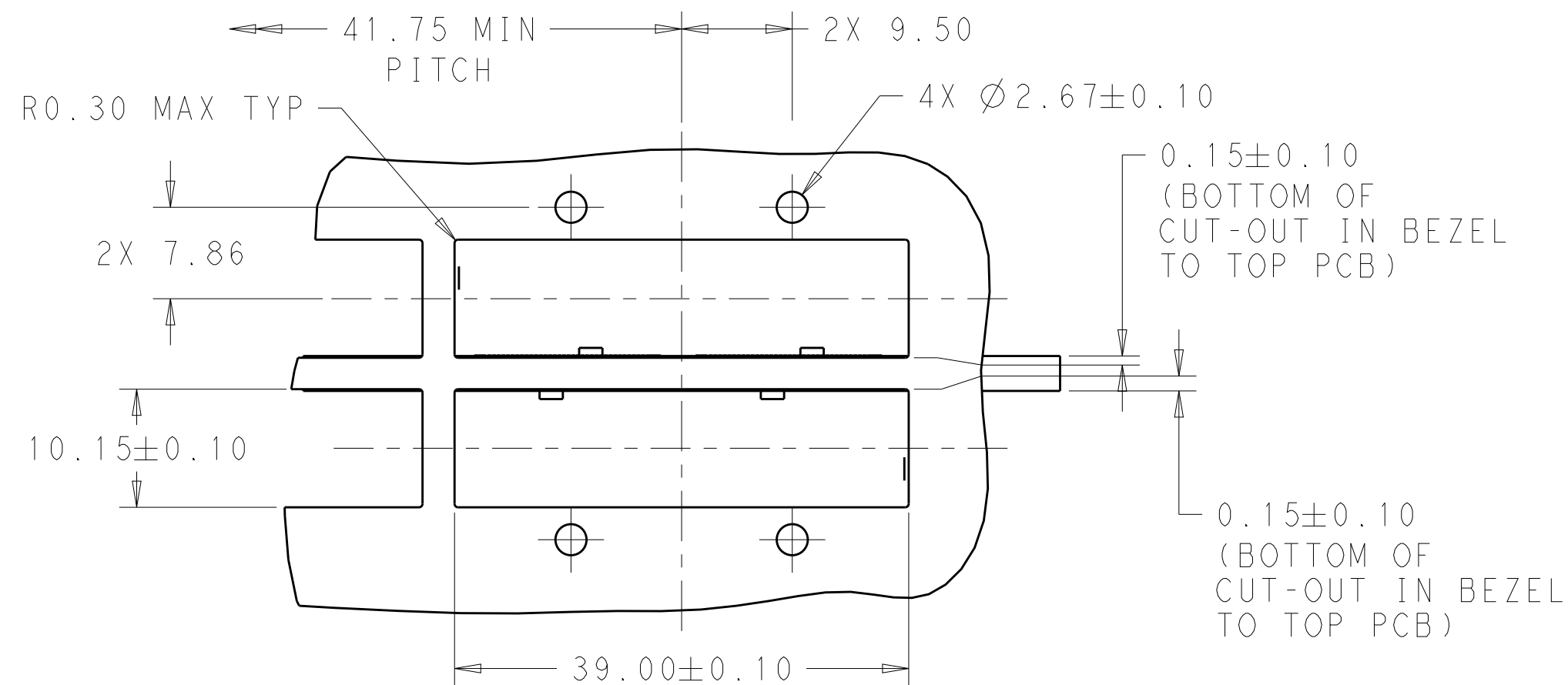
COPYRIGHT 20

BY -

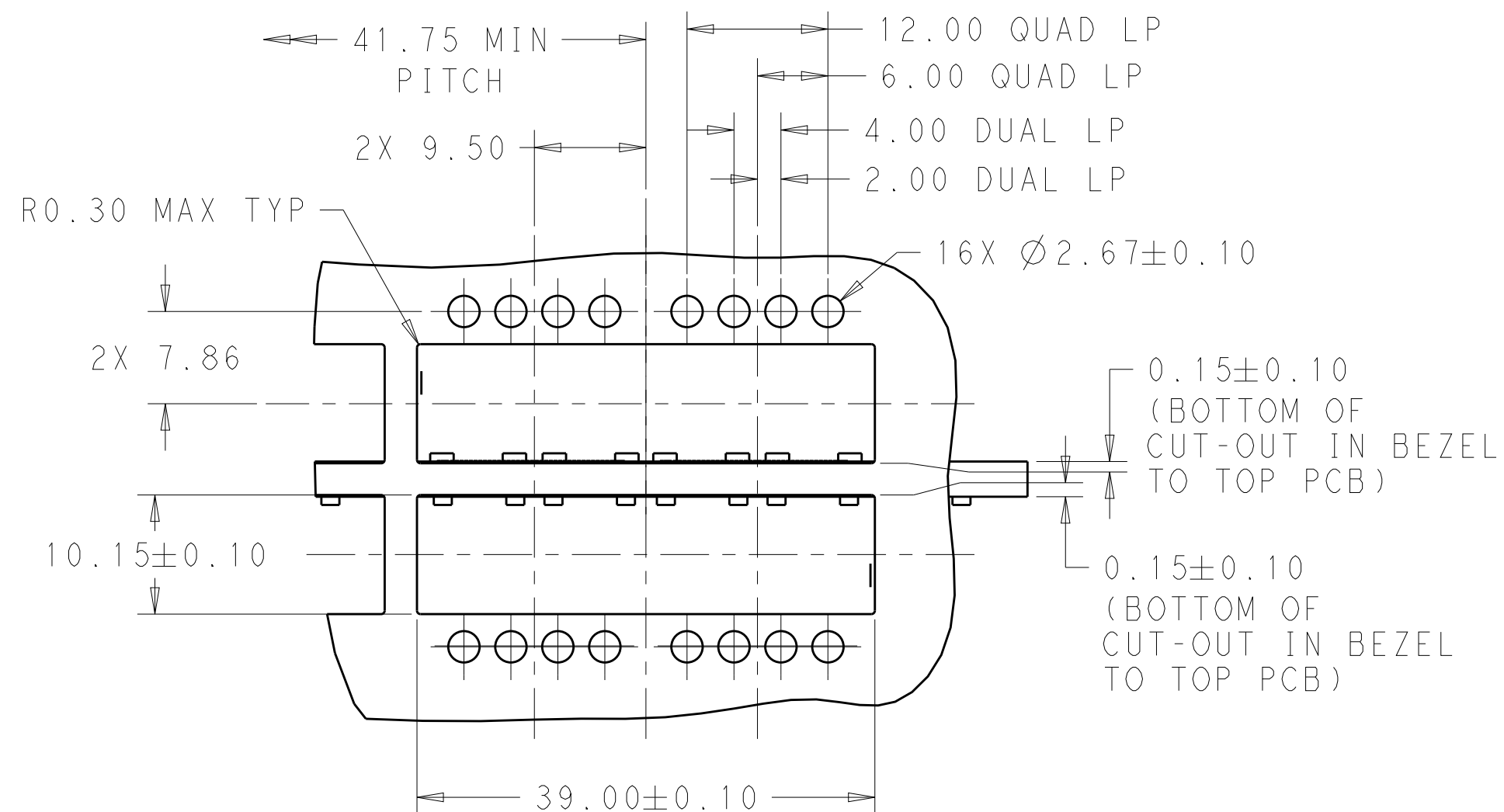
ALL RIGHTS RESERVED.

REVISIONS

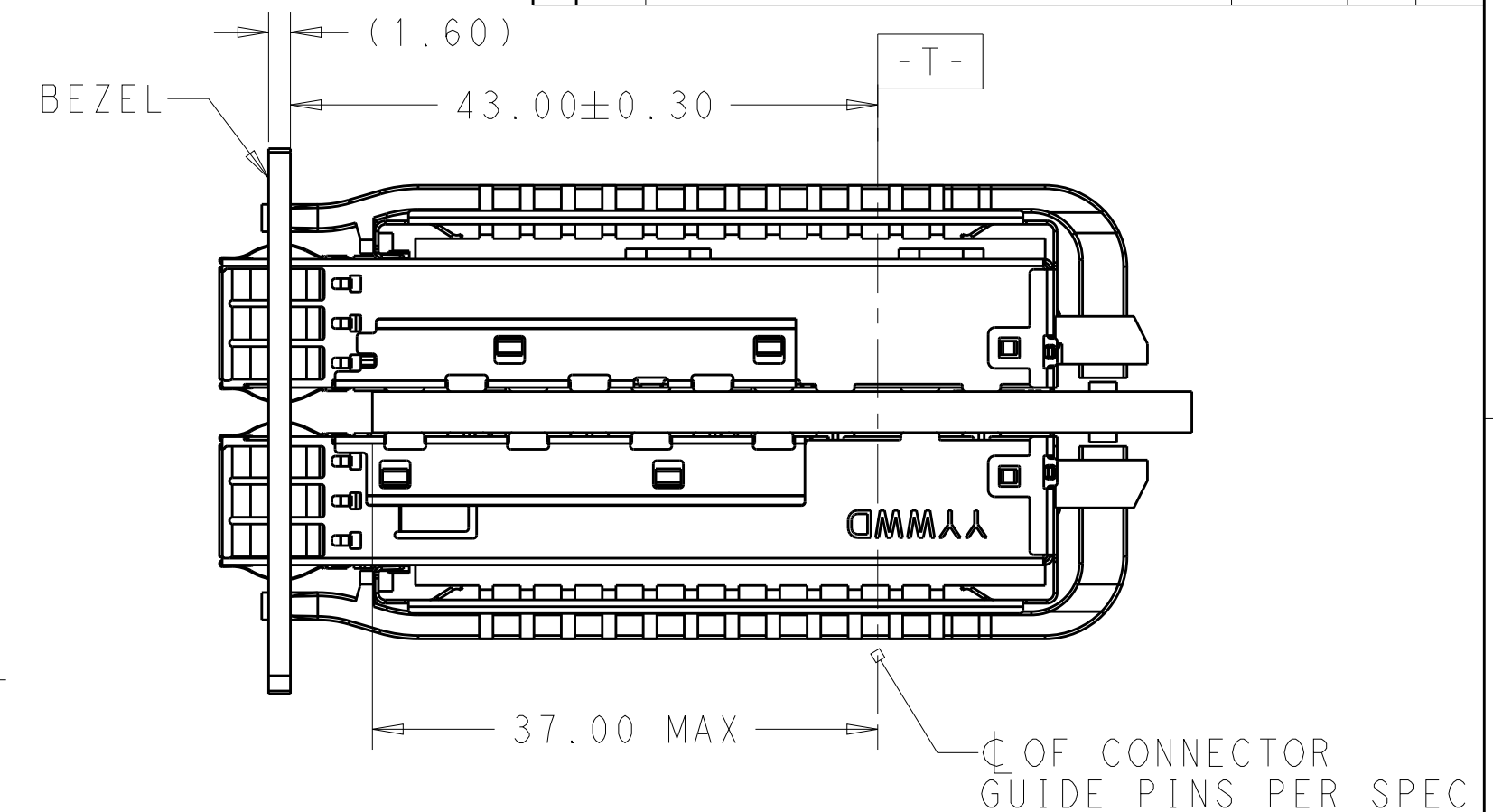
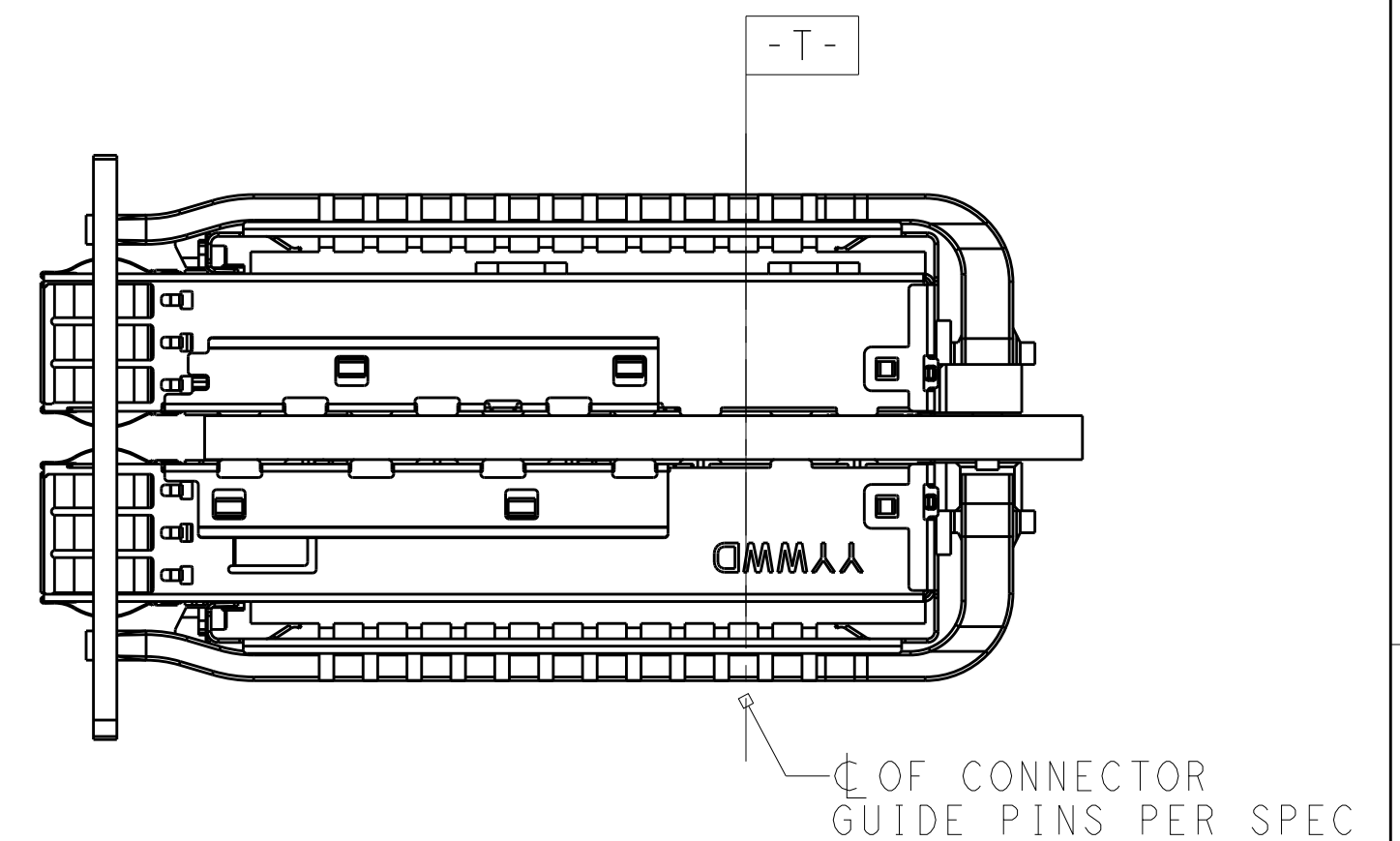
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



CAGE ASSEMBLY IS OMITED

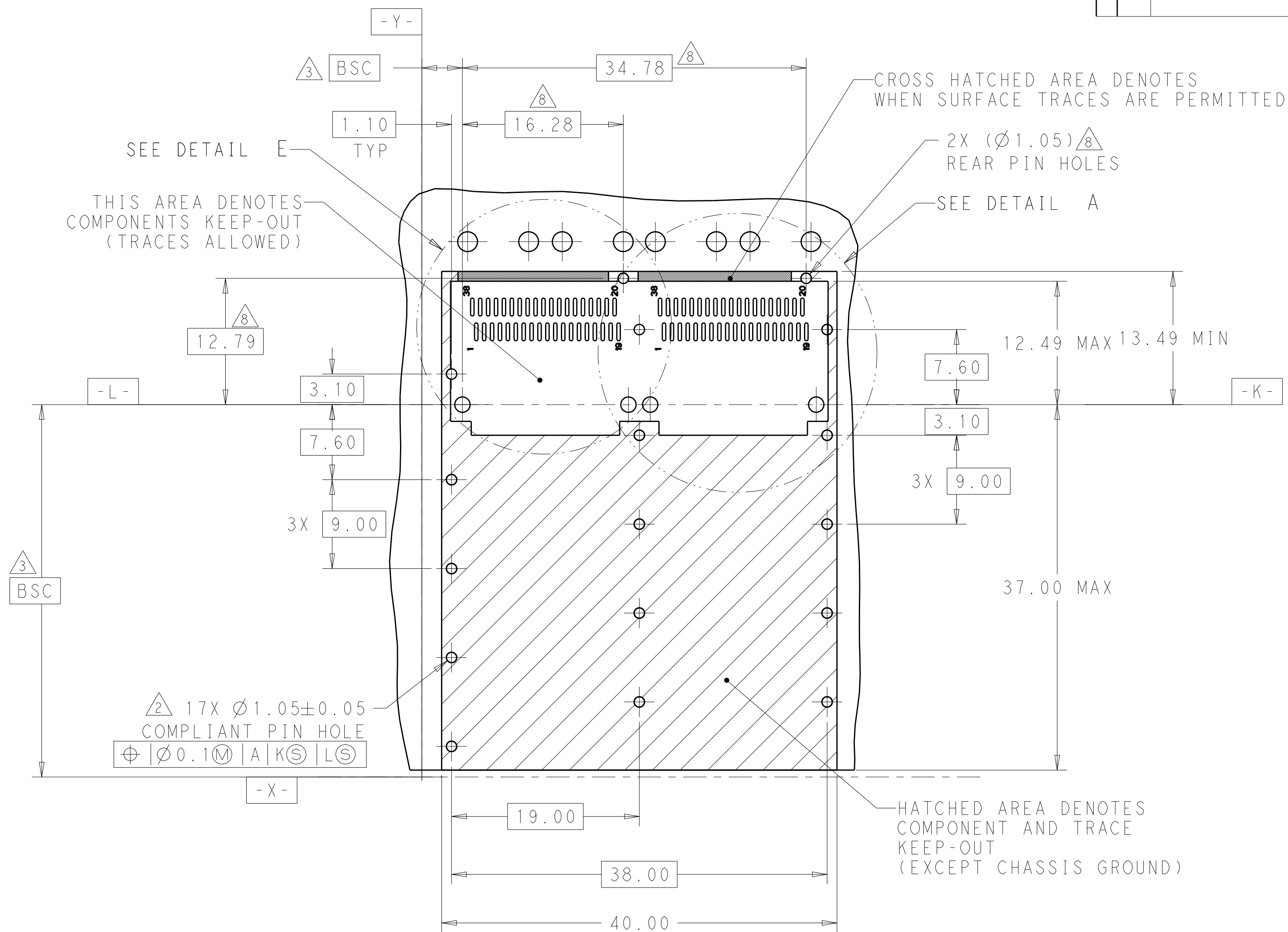


CAGE ASSEMBLY IS OMITED

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

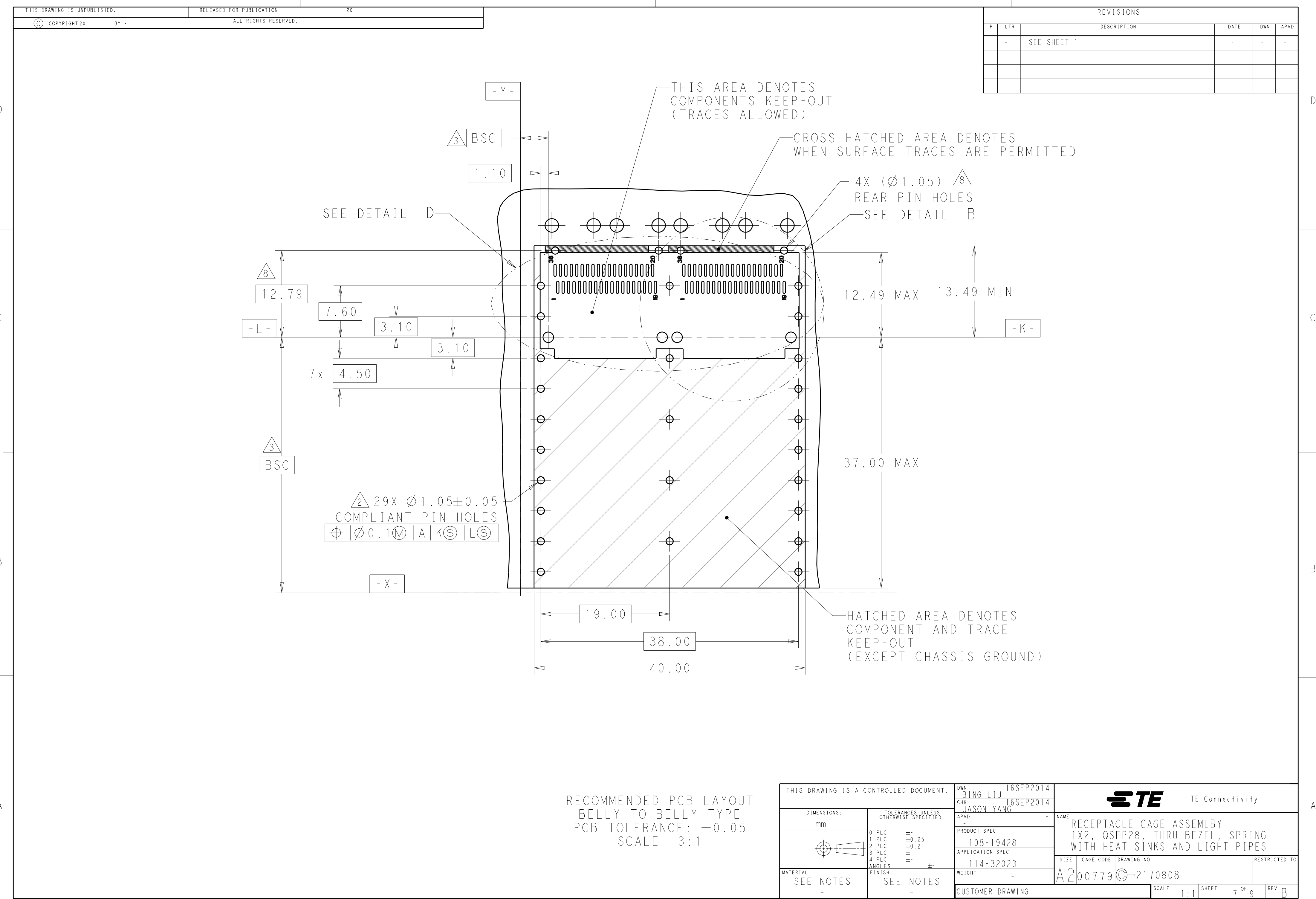
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014	TE Connectivity			
		CHK JASON YANG 16SEP2014				
DIMENSIONS:		APVD -	NAME RECEPTACLE CAGE ASSEMBLY			
mm		PRODUCT SPEC 108-19428	1X2, QSFP28, THRU BEZEL, SPRING			
		APPLICATION SPEC 114-32023	WITH HEAT SINKS AND LIGHT PIPES			
MATERIAL SEE NOTES		WEIGHT -	SIZE A200779	CAGE CODE C-2170808	DRAWING NO.	RESTRICTED TO
		CUSTOMER DRAWING	SCALE 1:1	SHEET 5 OF 9	REV B	

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

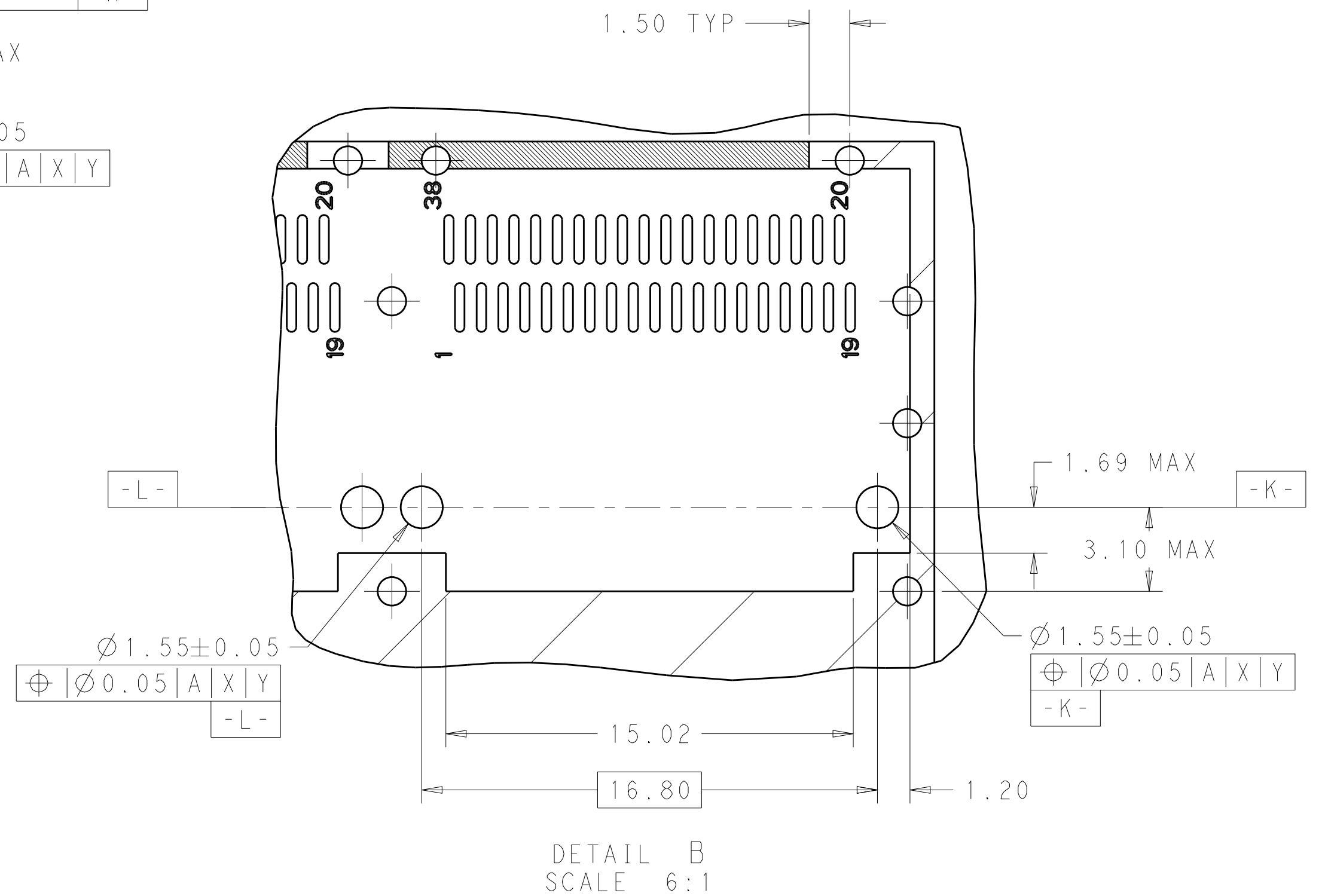


RECOMMENDED PCB LAYOUT
SINGLE TYPE
PCB TOLERANCE: ± 0.05
SCALE 3:1

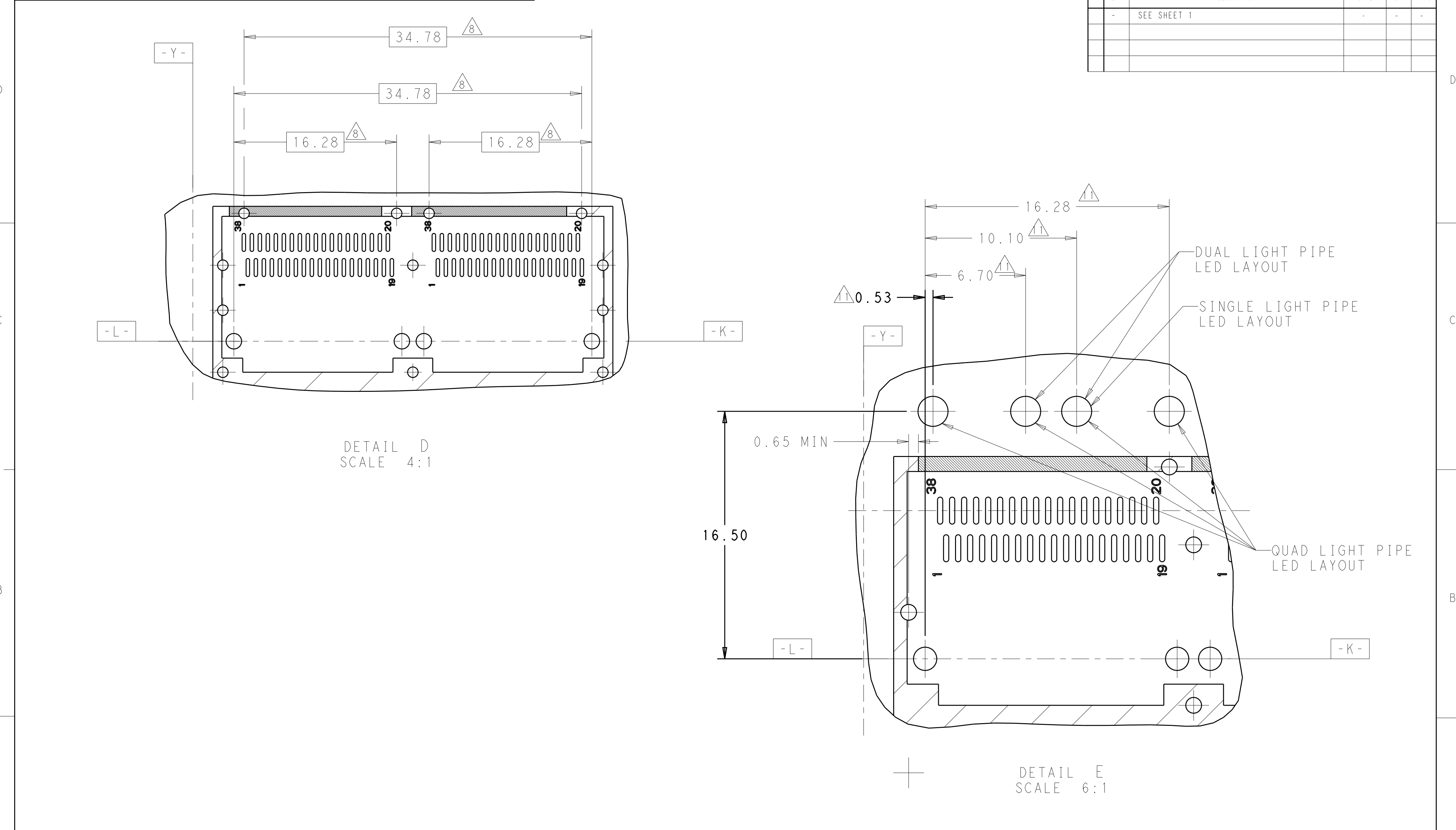
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16SEP2014 CHK BING LIU 16SEP2014 JASON YANG APVD -		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023			
MATERIAL SEE NOTES -		FINISH SEE NOTES -		SIZE A2	CAGE CODE 00779
CUSTOMER DRAWING				DRAWING NO C=2170808	RESTRICTED TO -
				SCALE 1:1	SHEET 6 of 9
				REV B	



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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 16SEP2014		 TE Connectivity	
		CHR JASON YANG 16SEP2014			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES	
		0 PLC ±. 1 PLC ±0.25 2 PLC ±0.2 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH			
MATERIAL SEE NOTES		WEIGHT -		SIZE A2	
-		CUSTOMER DRAWING		CAGE CODE 00779	
-				DRAWING NO C-2170808	
				RESTRICTED TO -	
				SCALE 1:1	
				SHEET 8 of 9	
				REV B	



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN BING LIU CHK JASON YANG APVD -	16SEP2014 16SEP2014 -
mm		PRODUCT SPEC	108-19428
		APPLICATION SPEC	114-32023
MATERIAL	FINISH	WEIGHT	-
SEE NOTES	SEE NOTES	CUSTOMER DRAWING	

TE Connectivity

NAME RECEPTACLE CAGE ASSEMBLY 1X2, QSFP28, THRU BEZEL, SPRING WITH HEAT SINKS AND LIGHT PIPES			RESTRICTED TO
SIZE	CAGE CODE	DRAWING NO	
A2	00779	C-2170808	-
SCALE	1:1	SHEET	9 OF 9
		REV	B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2170808-2](#)