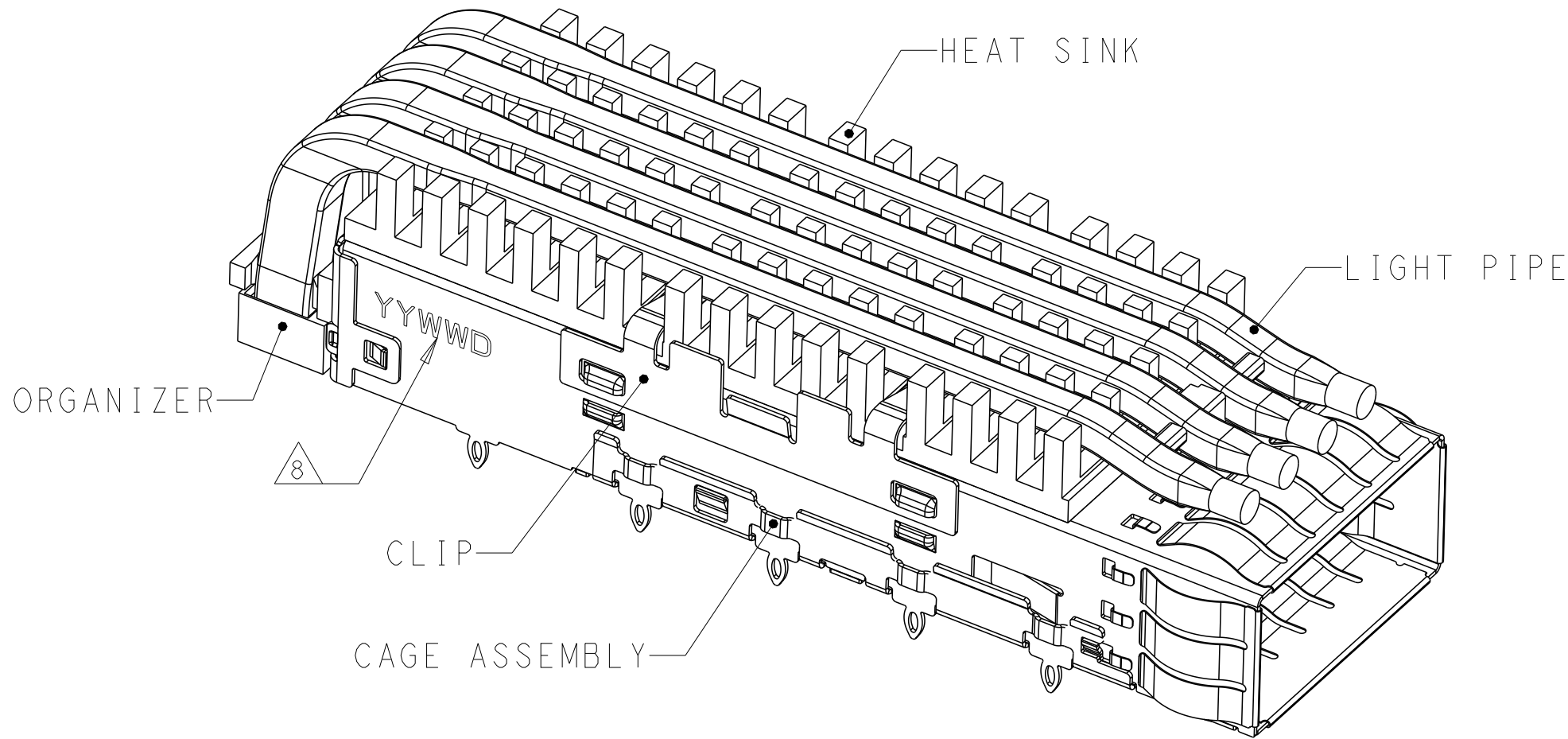
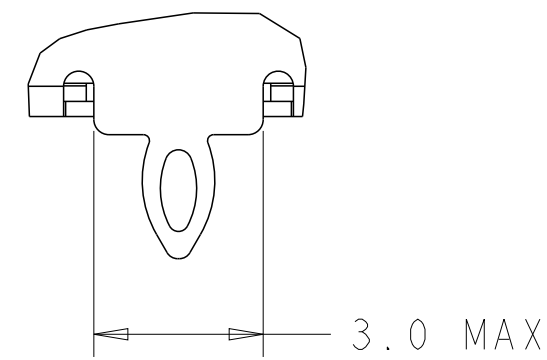
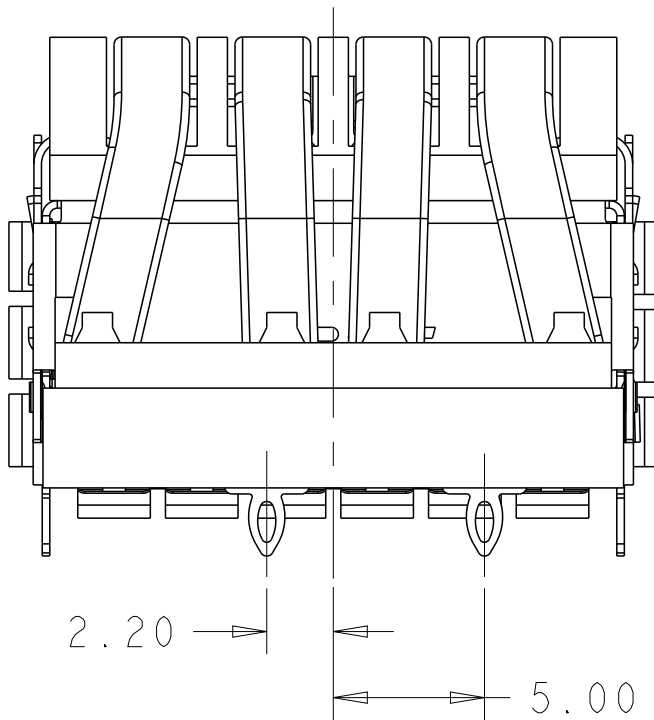
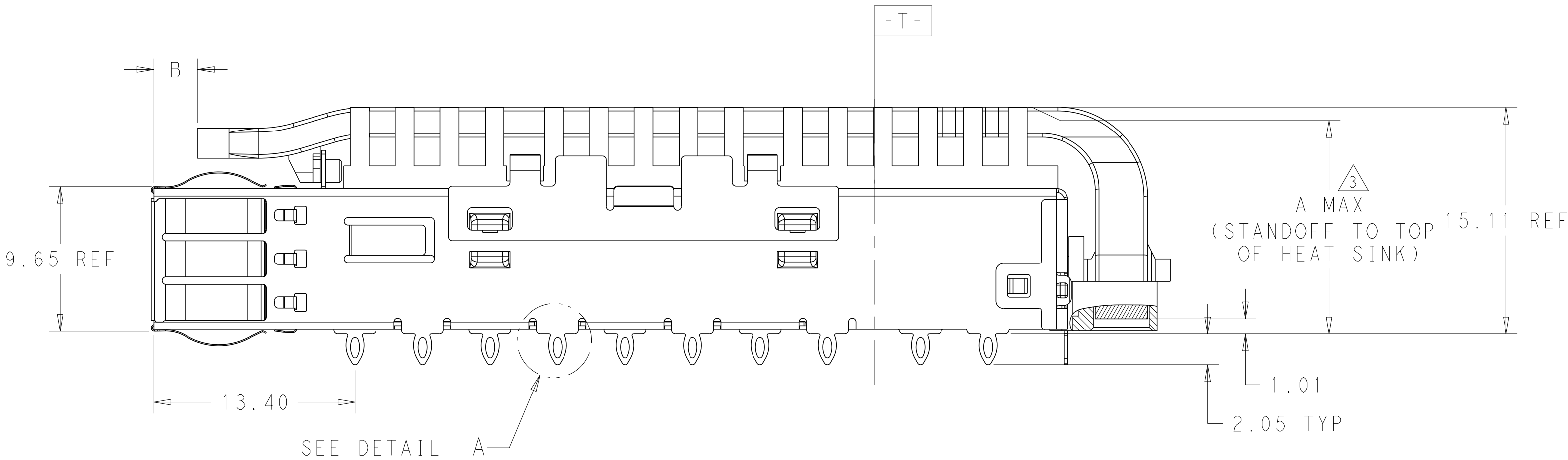
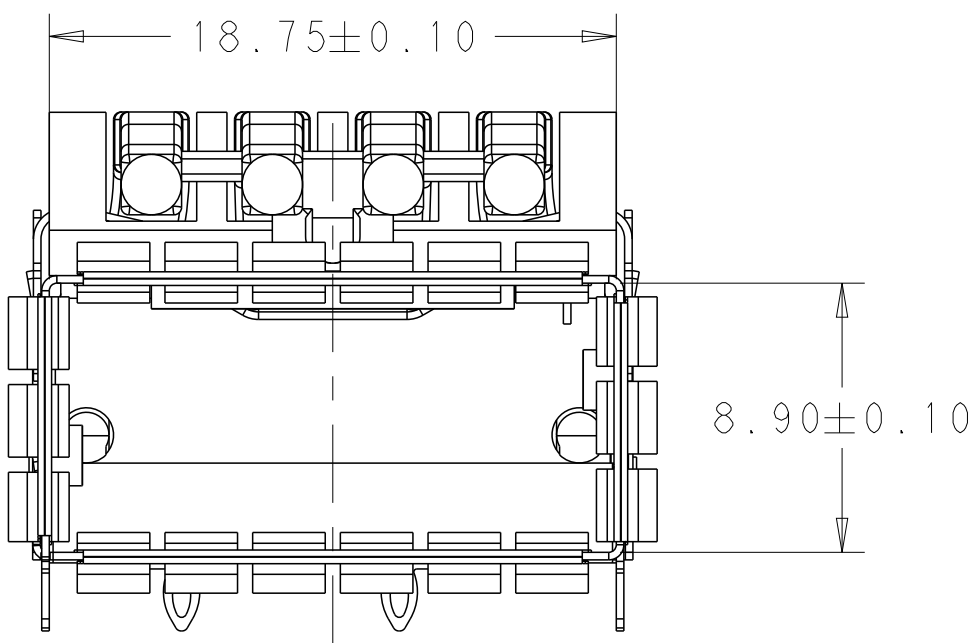
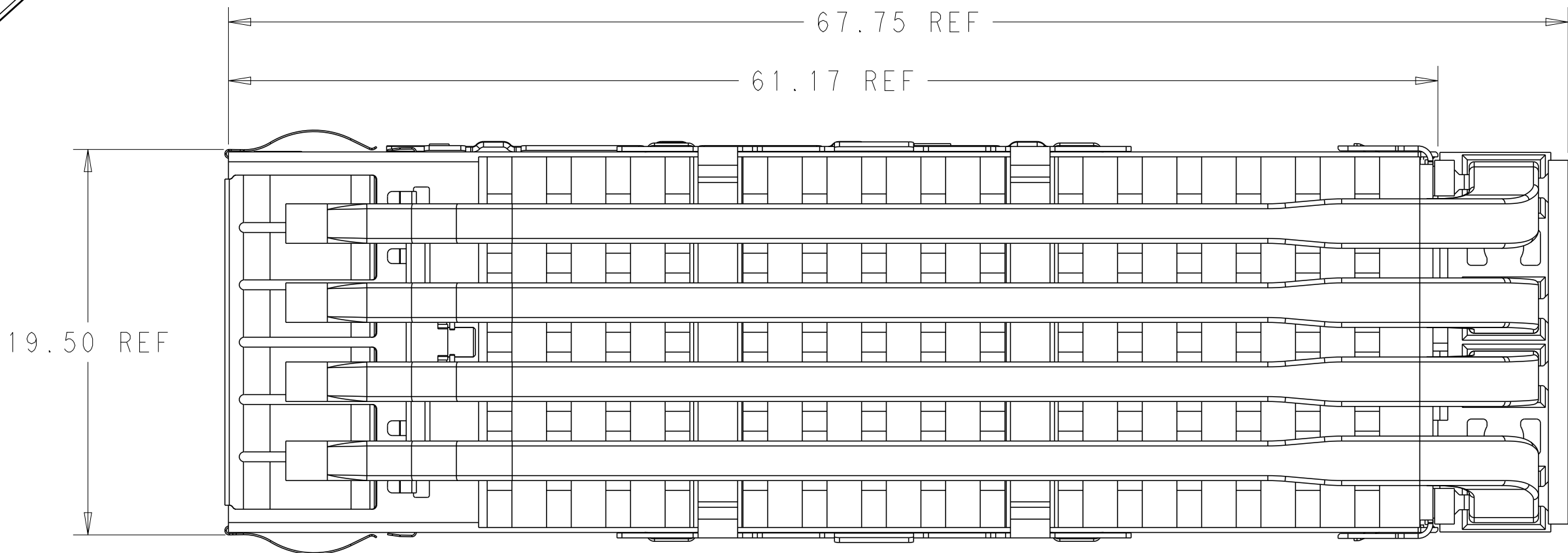


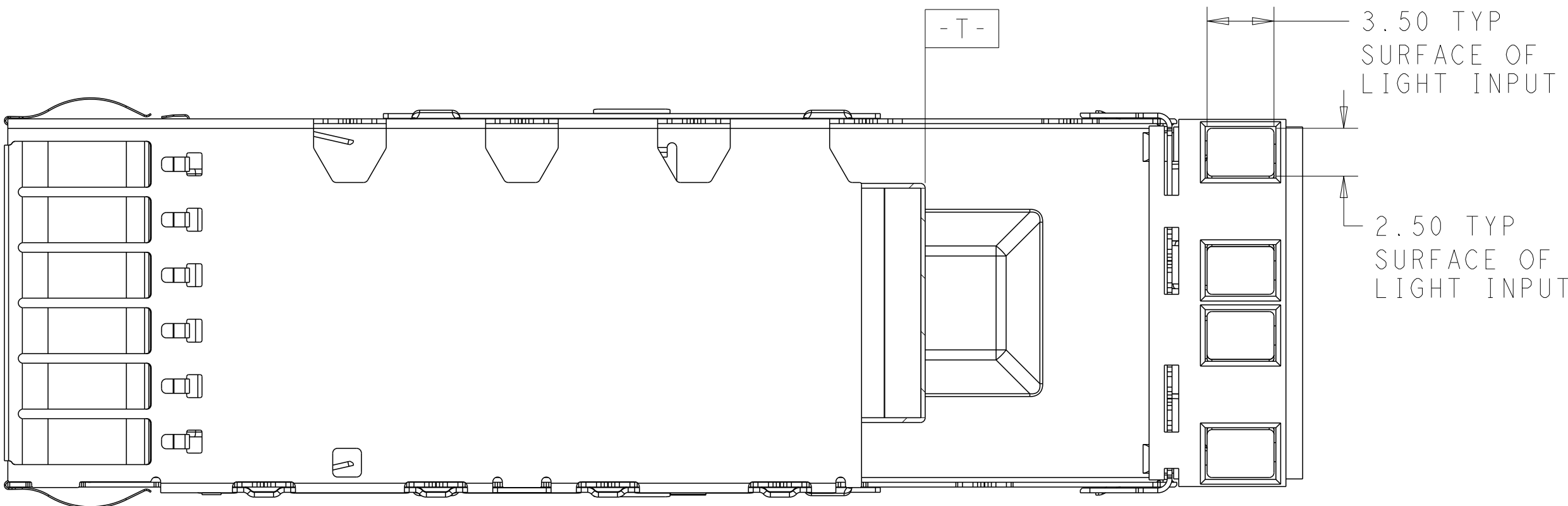
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		P	LTR	DESCRIPTION	DATE	DWN	APVD	
		B		REVISED PER ECO-17-011899	15AUG2017	RG	SH	
		C		ADD SOME DIMENSIONS	10JAN2018	JY	SH	
		D		REVISED PER ECO-19-013580	04SEP2019	SH	SH	
		D1		REVISED PER ECN-22-135969	08JAN2022	TP	SZ	



4-2170705-2 SHOWN
SCALE 3:1



DETAIL A
SCALE 8:1



1. MATERIAL: CAGE MATERIAL : 0.25 THICK NICKEL SILVER.
SPRING MATERIAL: COPPER ALLOY
HEAT SINK MATERIAL: ALUMINUM
CLIP MATERIAL: STAINLESS STEEL
LIGHT PIPE MATERIAL: POLYCARBONATE
ORGANIZER MATERIAL: POLYESTER

2. FINISH: SPRING: NICKEL PLATING
HEAT SINK: BLACK ANODIZE

3. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.

4. REFERENCE APPLICATION SPEC 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.

6. MINIMUM PC BOARD THICKNESS : SINGLES SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN

7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.

8. DATE CODE (YYWWDD) MARKED APPROXIMATELY AS SHOWN

9. THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.

10. MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.

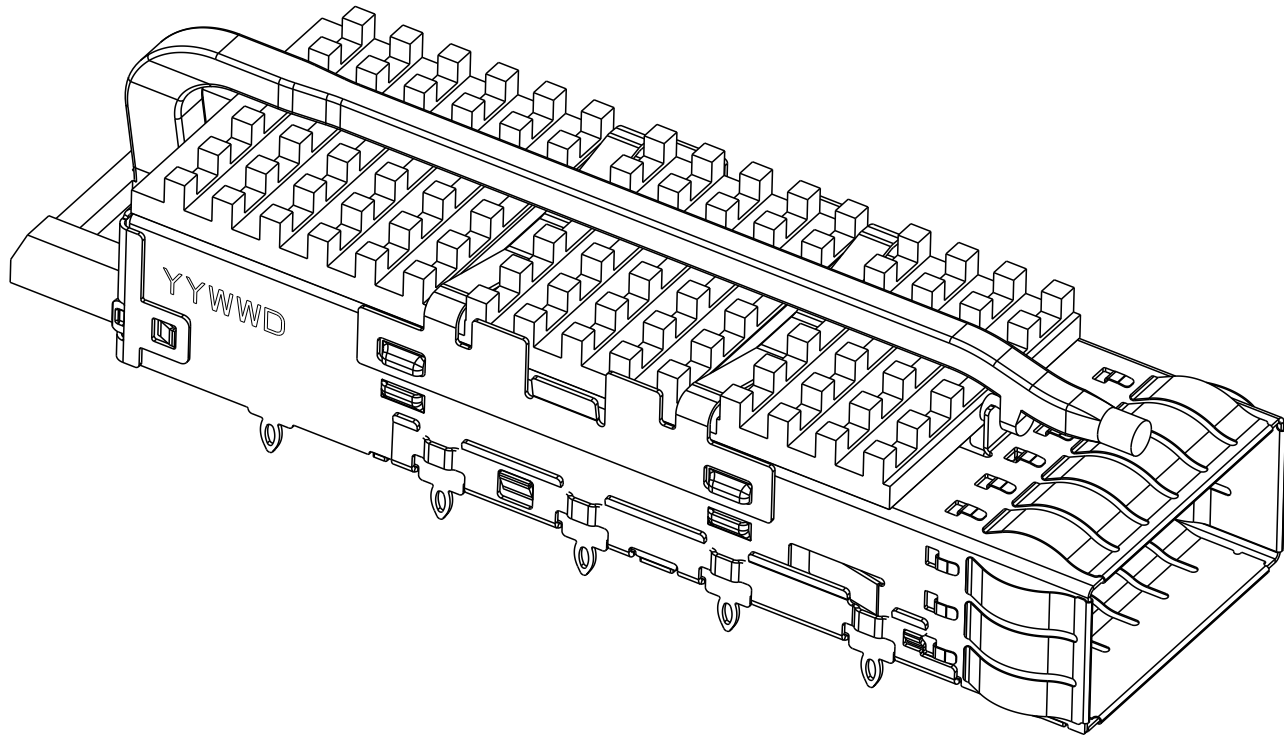
11. PRELIMINARY PART - NOT RELEASE TO PRODUCTION.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 07MAR2014	TE Connectivity	
		CHK: SEAN HAN 26JAN2016		
DIMENSIONS:		APVD:	NAME:	
mm			CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE	
		0 PLC ±0.25	PRODUCT SPEC	
		1 PLC ±0.25	108-19428	
		2 PLC ±0.20	APPLICATION SPEC	
		3 PLC ±0.100	114-32023	
MATERIAL		FINISH	WEIGHT	SIZE
-		-	-	A1
		CUSTOMER DRAWING	SCALE 2:1	SHEET 1 OF 9
				REV D1

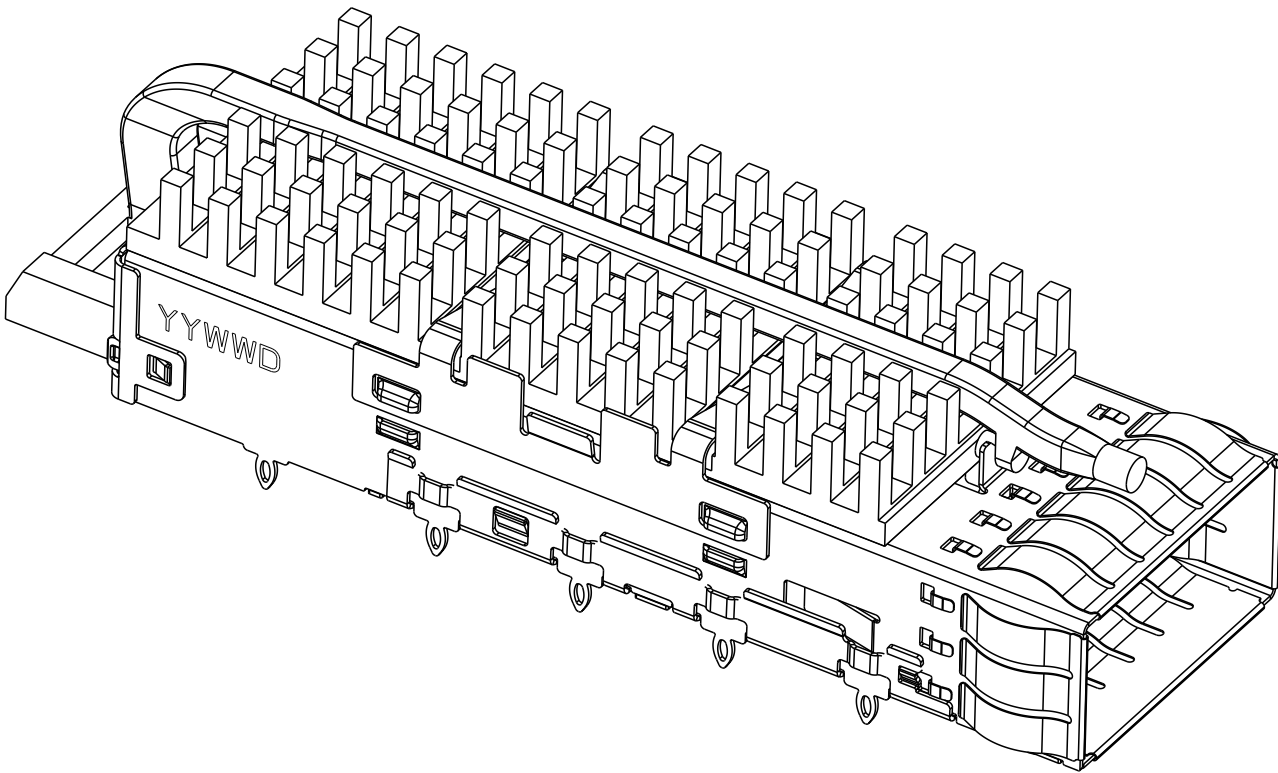
4-2170705-2 AS SHOWN

LOC		DIST		REVISONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

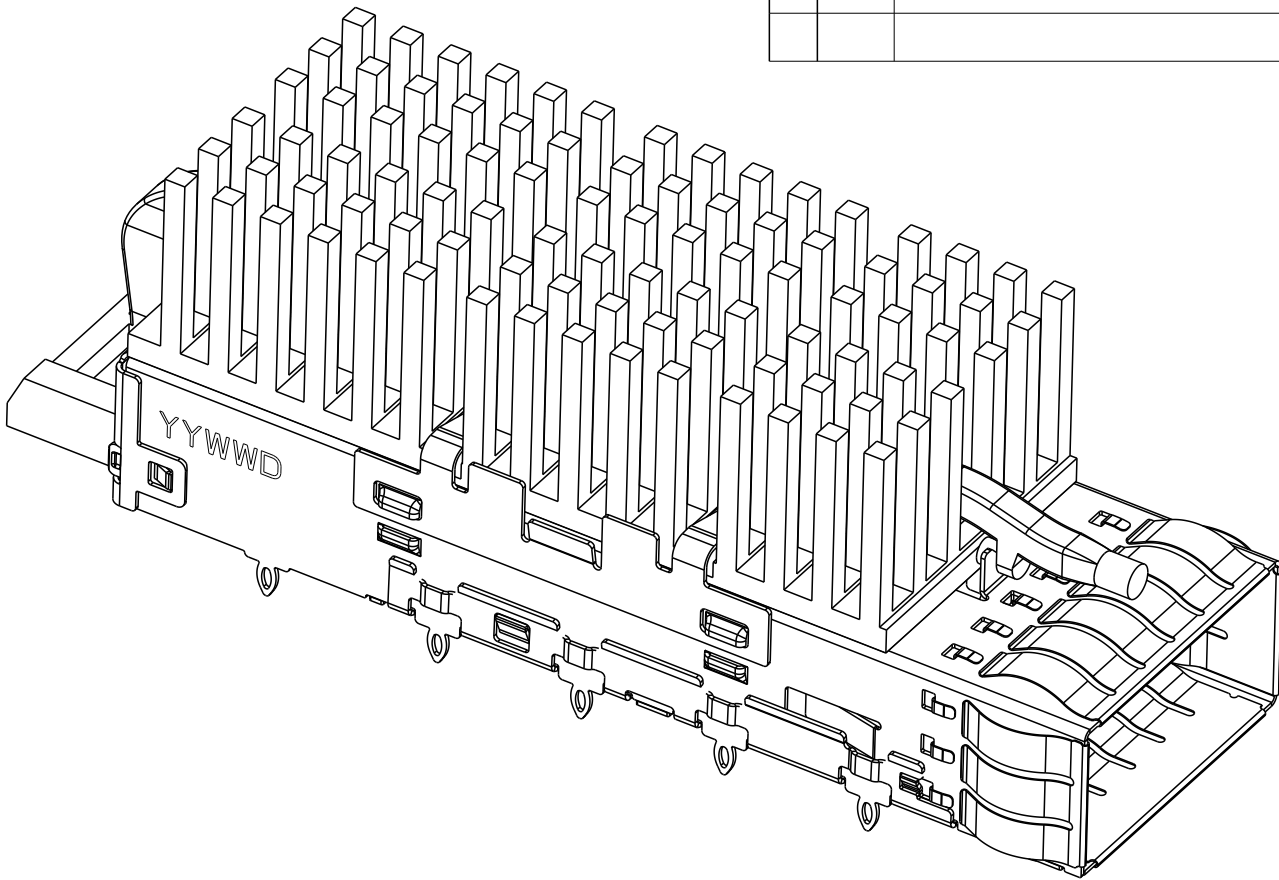
HEAT SINK OPTIONS



PCI HEAT SINK
SCALE 5:2

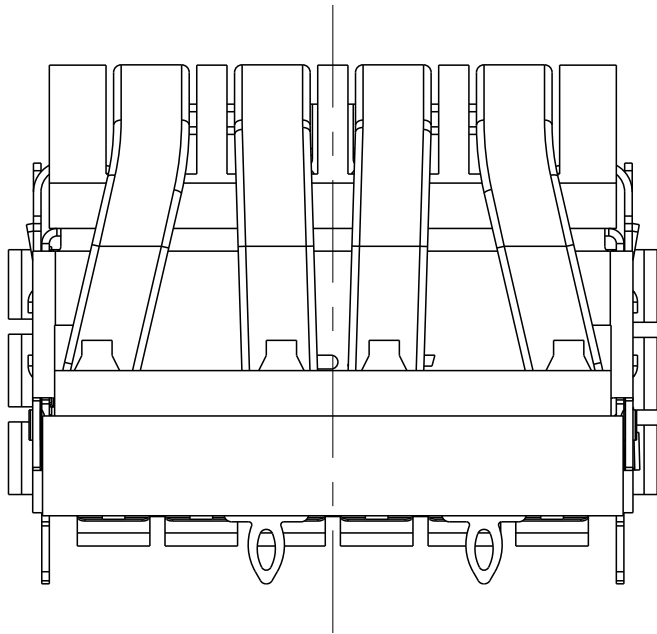


SAN HEAT SINK
SCALE 5:2

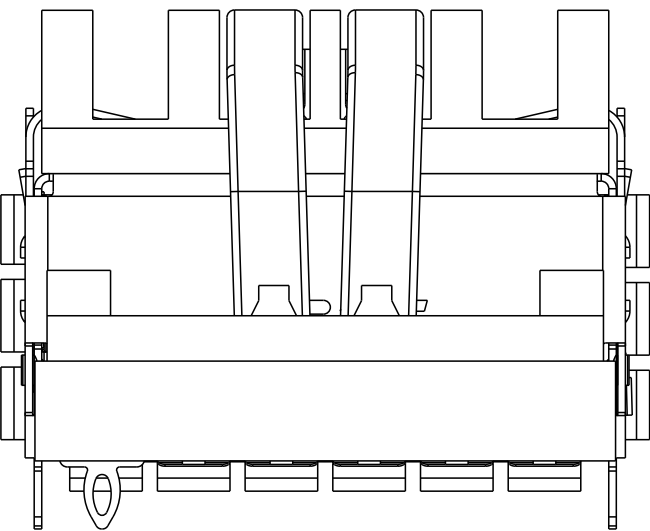


NETWORKING HEAT SINK
SCALE 5:2

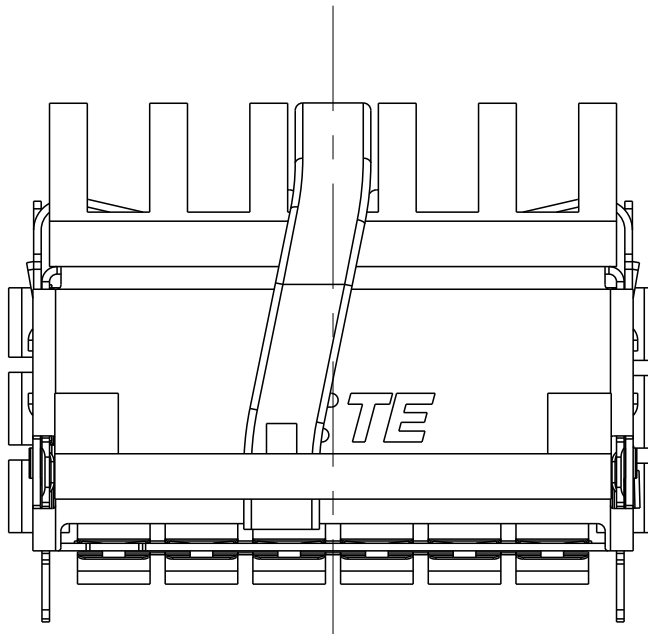
OF REAR LEGS OPTIONS



2 REAR LEGS
SCALE 4:1

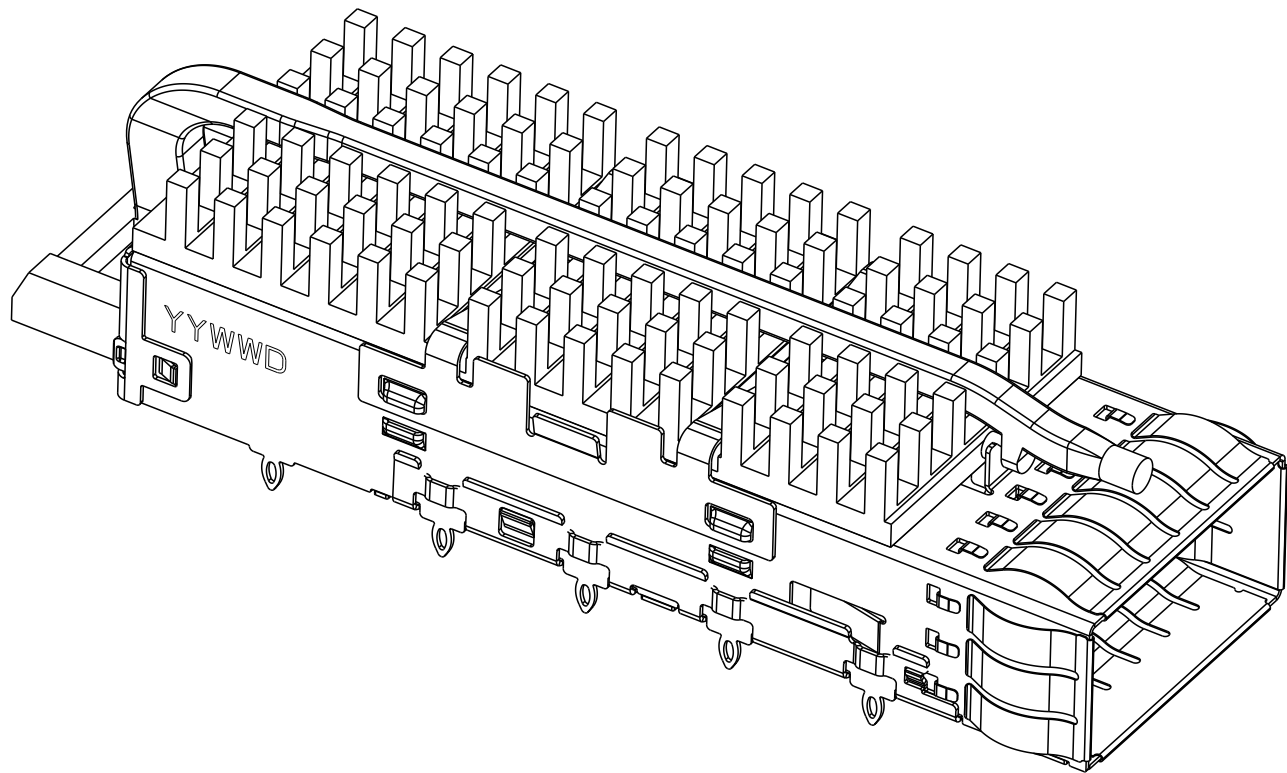


1 REAR LEG
SCALE 4:1

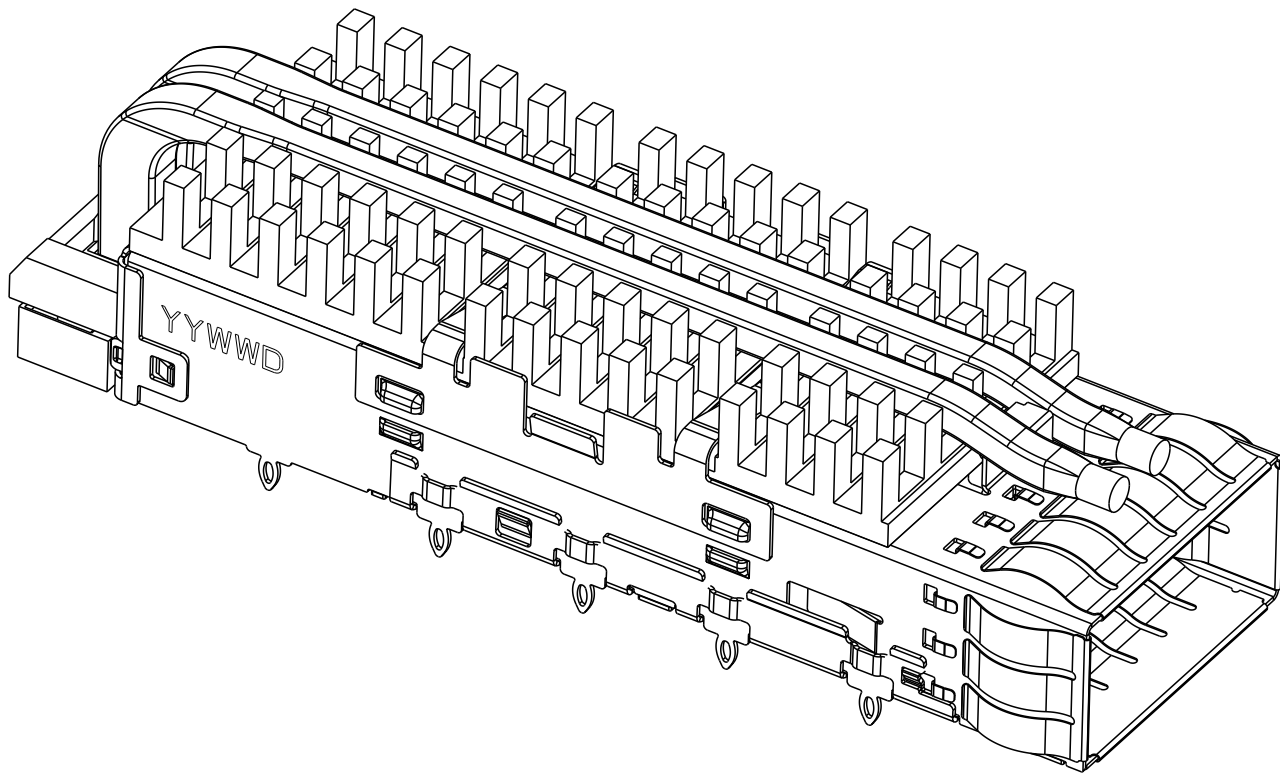


0 REAR LEG
SCALE 4:1

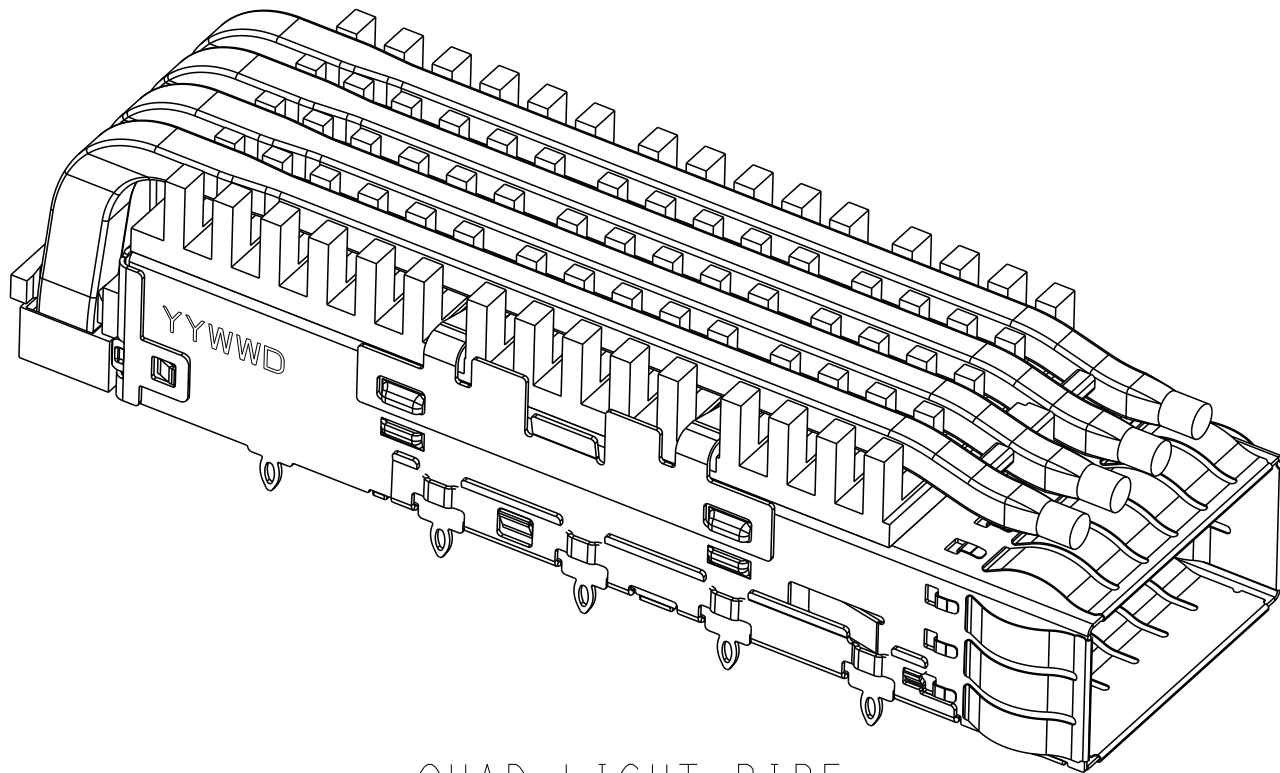
LIGHT PIPE OPTIONS



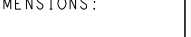
SINGLE LIGHT PIPE
WITHOUT ORGANIZER
SCALE 5:2



DUAL LIGHT PIPE
SCALE 5:2

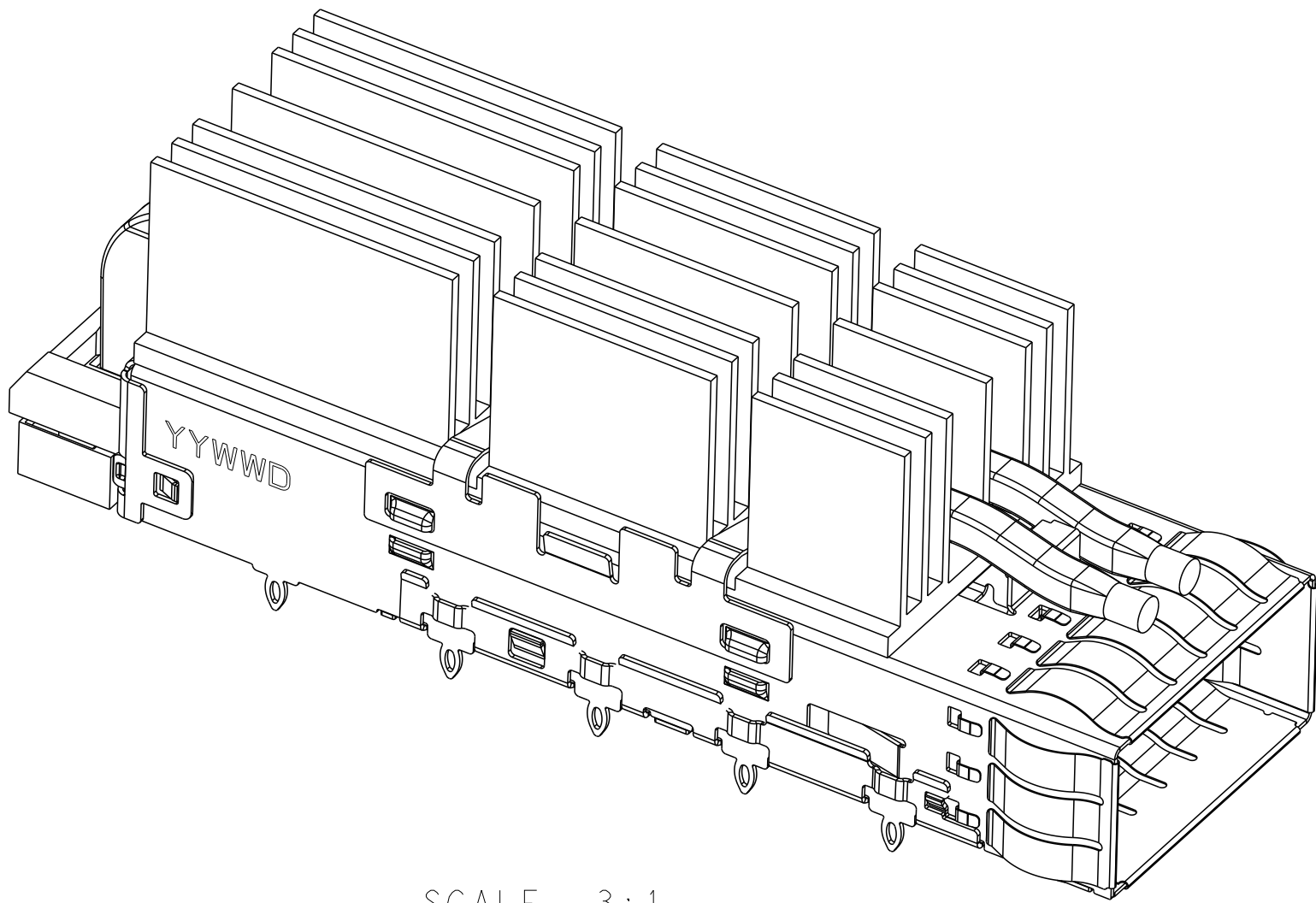


QUAD LIGHT PIPE
SCALE 5:2

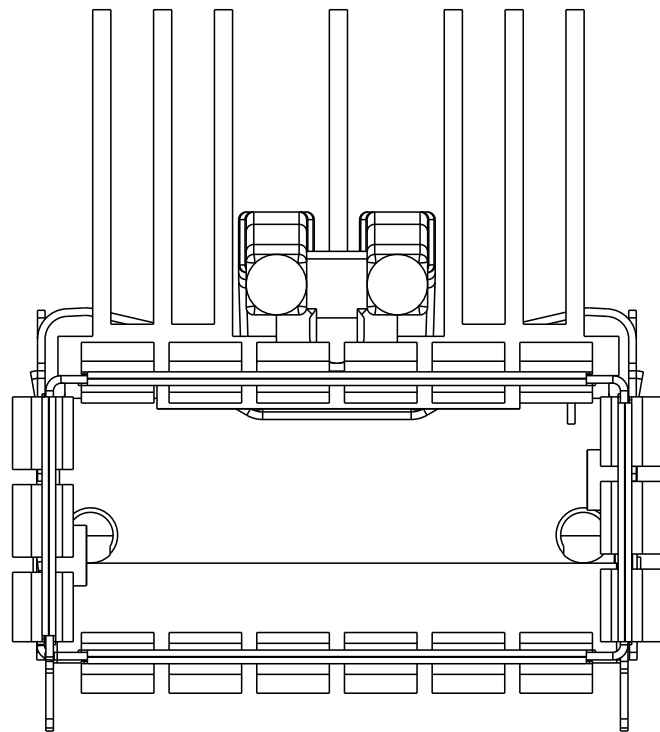
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 07MAR2014	 TE Connectivity	
		CHK: SEAN HAN 26JAN2016		
DIMENSIONS:		PRODUCT SPEC		NAME: CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
mm		APPLICATION SPEC		
		114-32023		SIZE: A100779C=2170705
MATERIAL:		WEIGHT:		
-		-		-
		CUSTOMER DRAWING		SCALE: 2:1
				SHEET 2 of 9
				REV D1

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

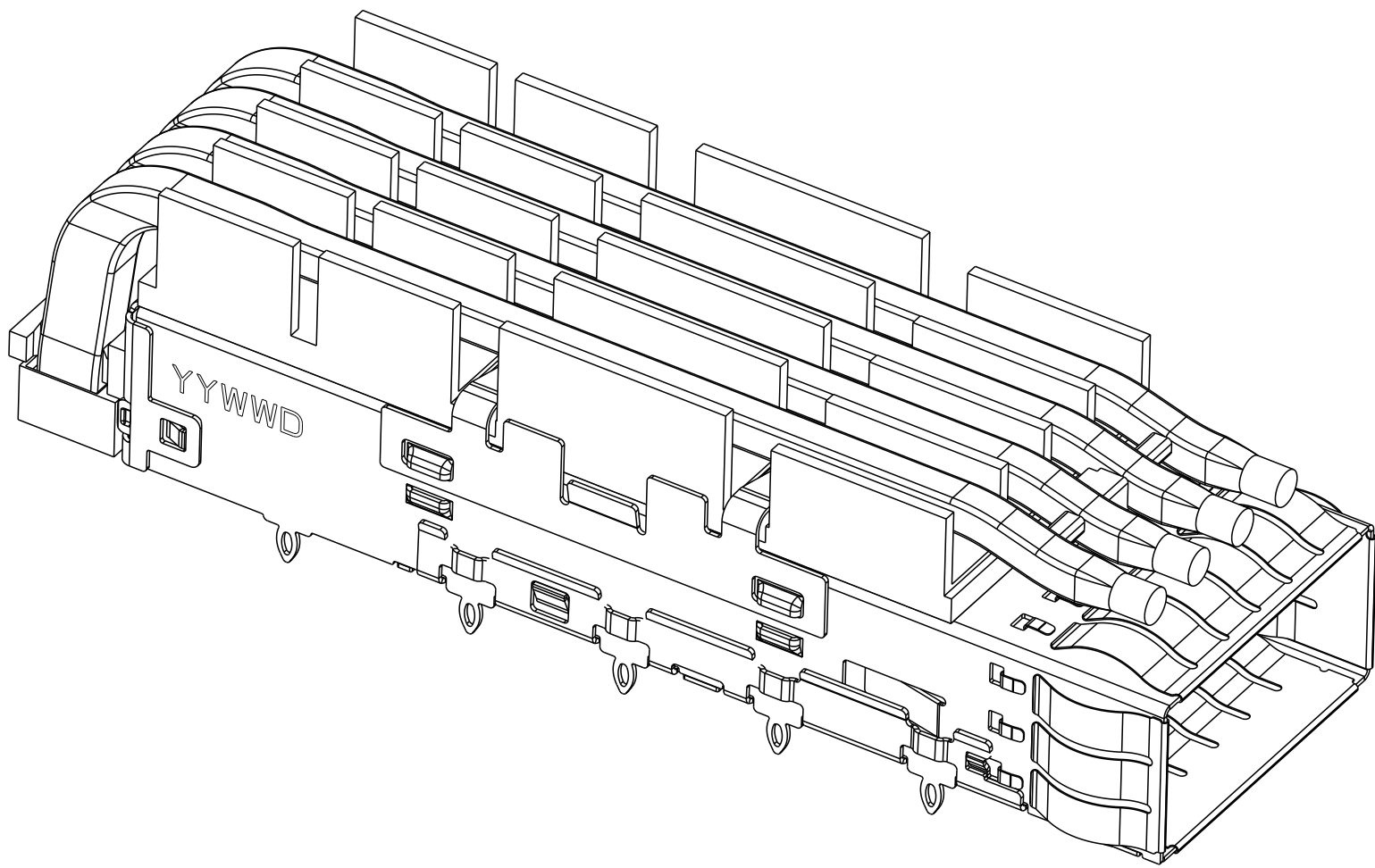
3-2170705-0
UNMARKED DIMENSIONS SAME AS 2-2170705-6



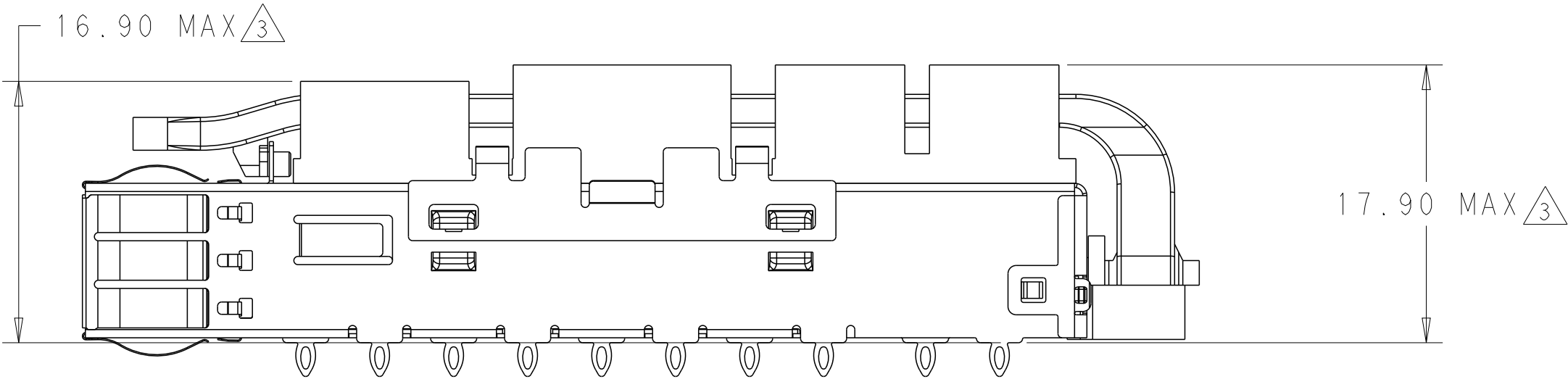
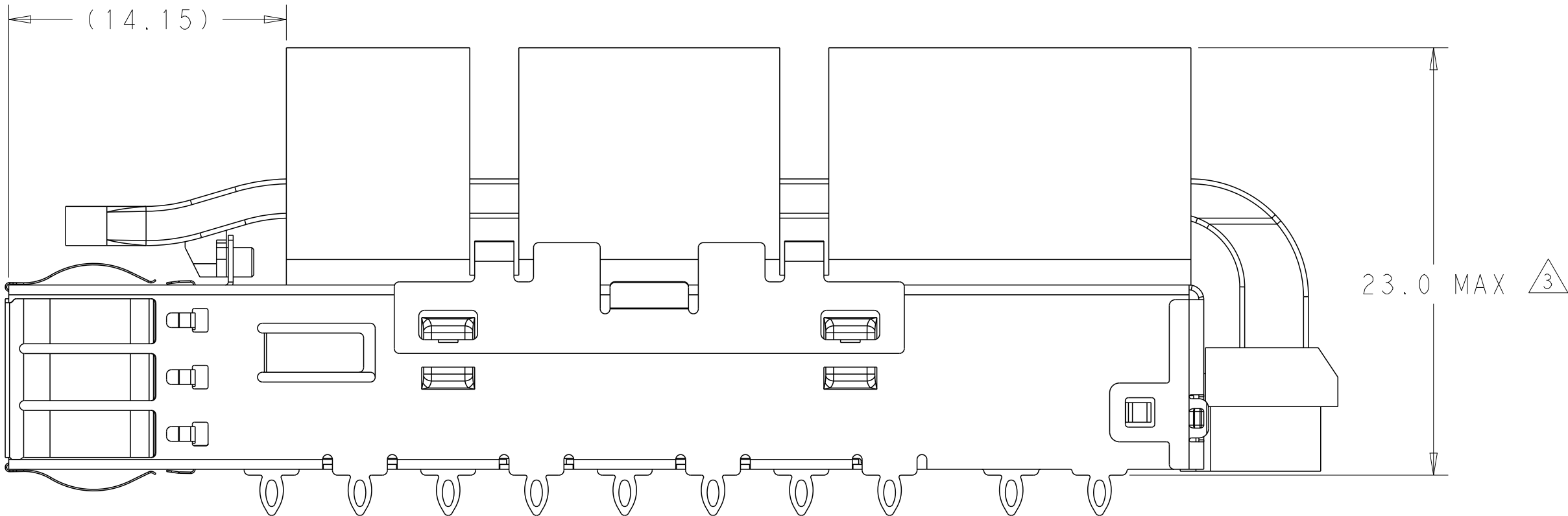
SCALE 3:1



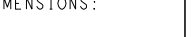
1-2170705-2
3D VIEW AS SHOWN



SCALE 3:1

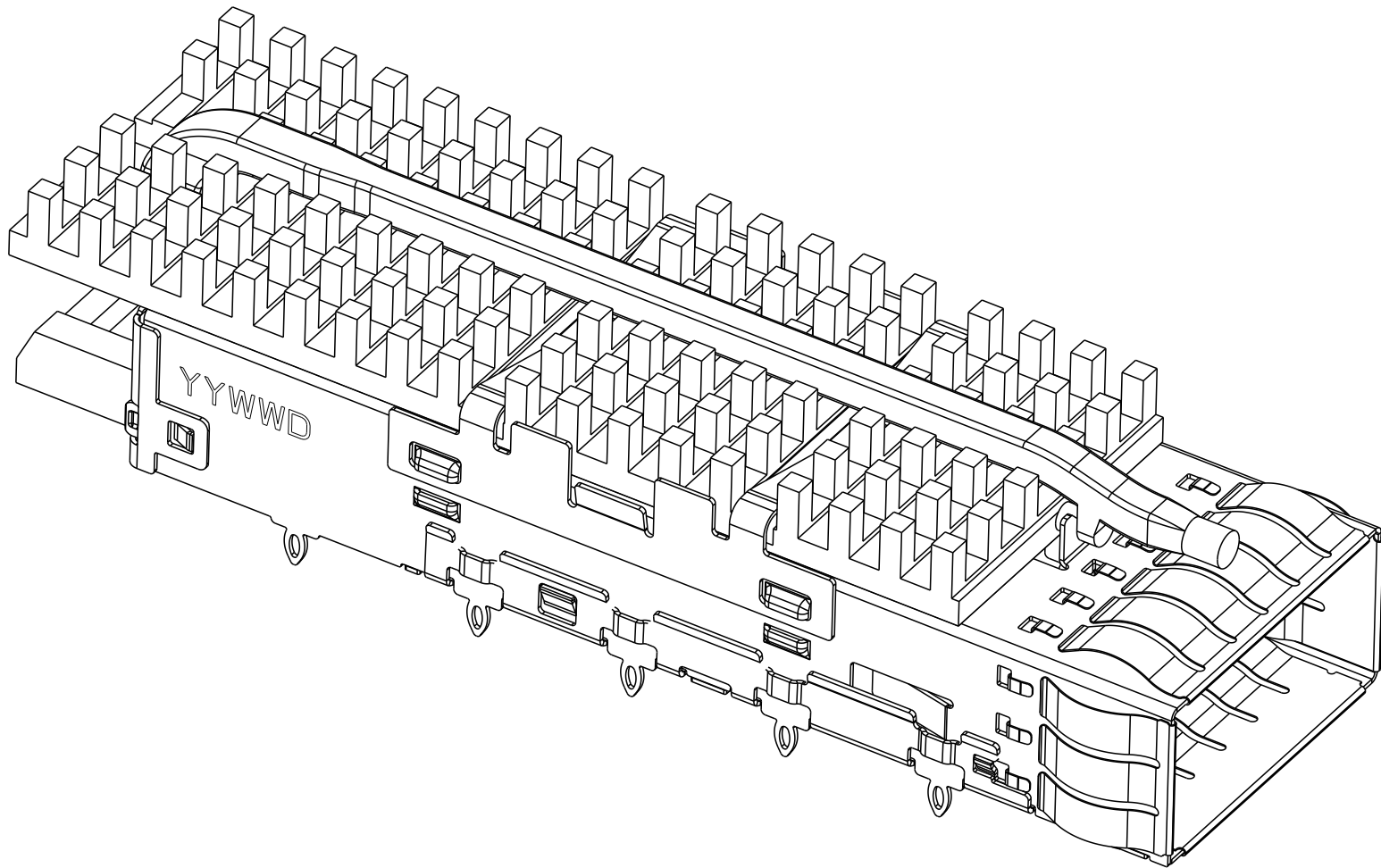


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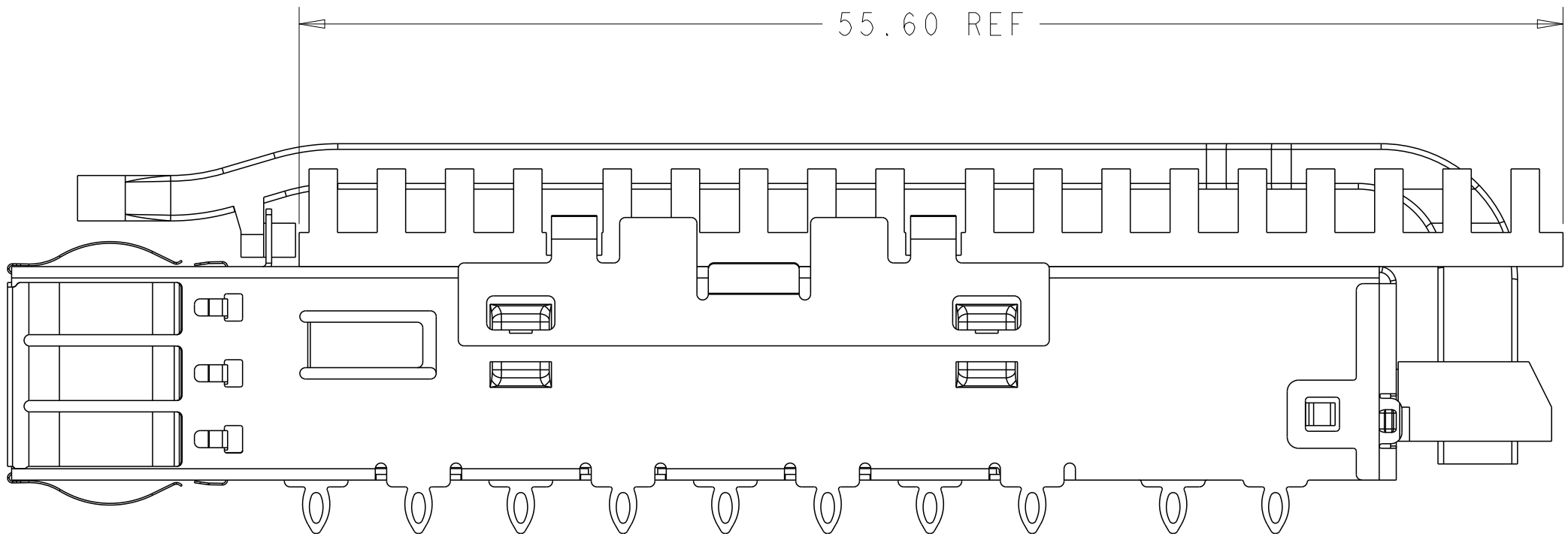
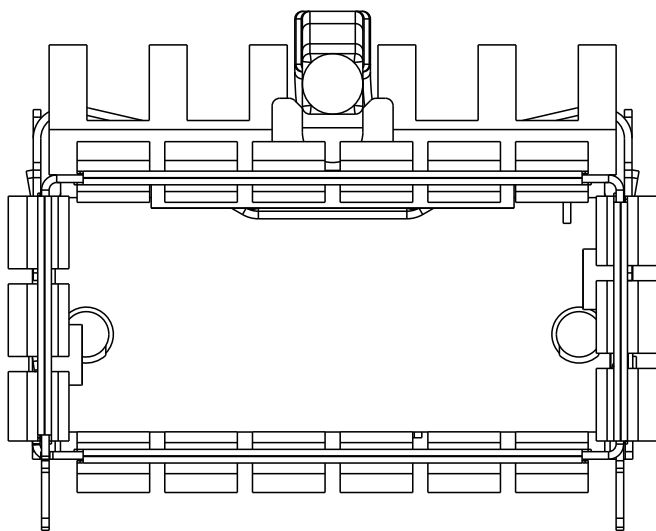
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JASON YANG 07MAR2014	 TE Connectivity	
		CHK: SEAN HAN 26JAN2016		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE
mm		0 PLC ±0.25		
		1 PLC ±0.25		
		2 PLC ±0.20		
		3 PLC ±0.100		
		4 PLC ±		
		ANGLES FINISH		
MATERIAL		PRODUCT SPEC		
		108-19428		
		APPLICATION SPEC		
		114-32023		
		WEIGHT		
		CUSTOMER DRAWING		
		SCALE 2:1		
		SHEET 3 OF 9		
		REV D1		

LOC		DIST		REVISIONS					
-	-	P	LTR	DESCRIPTION			DATE	DWN	APVD

1-2170705-1
UNMARKED DIMENSIONS SAME AS 2170705-4



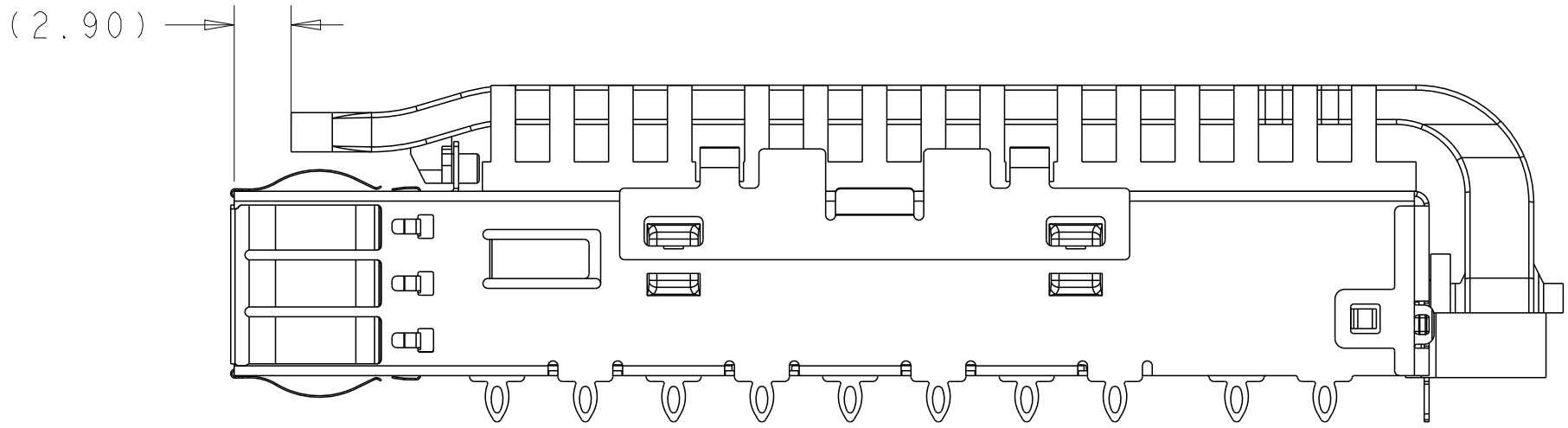
SCALE 3:1



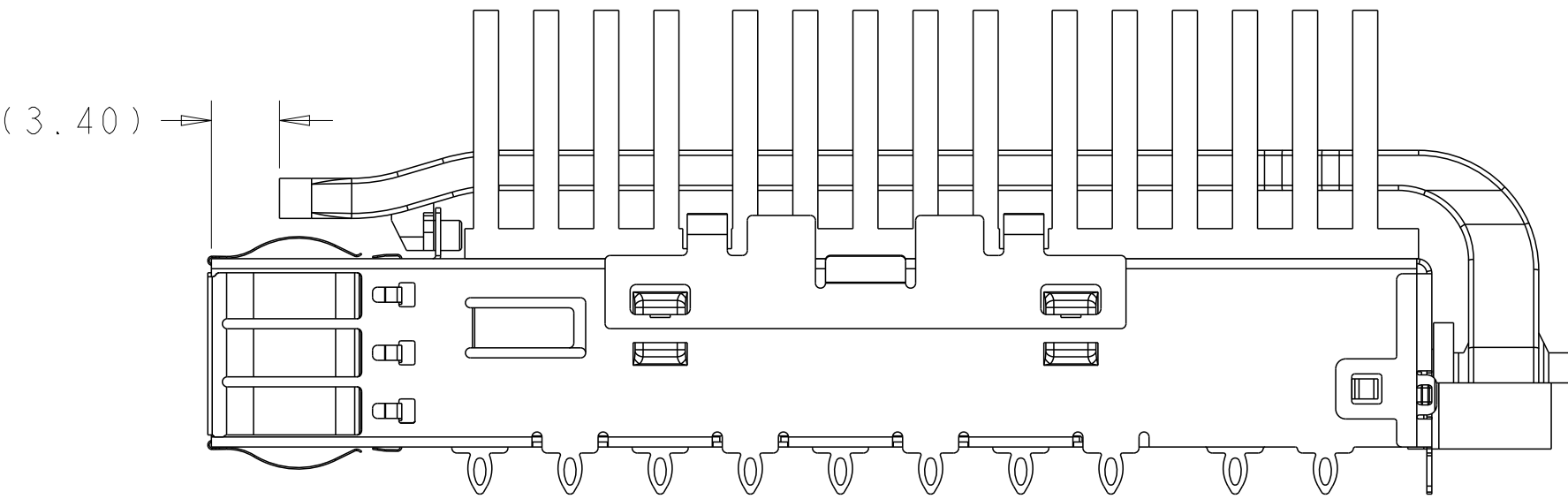
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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.20 3 PLC ±0.100 4 PLC ± ANGLES ± FINISH -		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023	

LOC		DIST		REVISONS			
P	LTR	DESCRIPTION			DATE	DWN	APVD
		- SEE SHEET 1			-	-	-

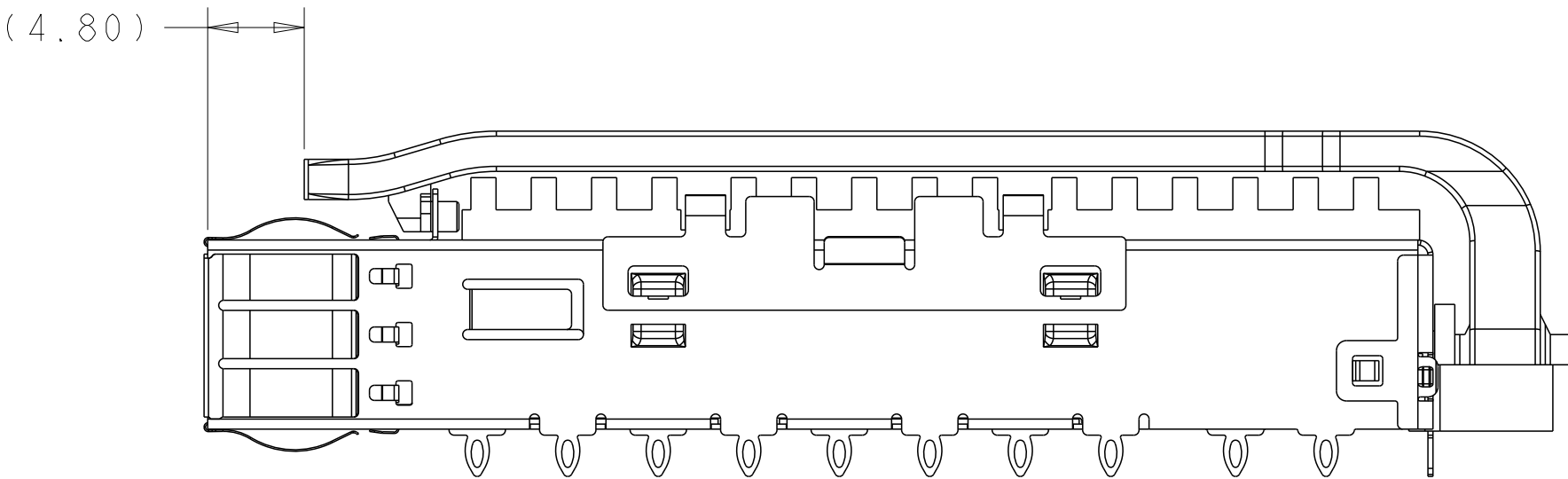
LIGHT PIPE LENGTH OPTIONS



WITH LIGHT PIPE LENGTH B=2.9
SCALE 3:1



WITH LIGHT PIPE LENGTH B=3.4
SCALE 3:1



WITH LIGHT PIPE LENGTH B=4.8
SCALE 3:1

BOM

4.8	0	16.00	PIN	SAN	DUAL LP	6-2170705-3
5.2	1	16.00	PIN	SAN	DUAL LP	6-2170705-2
4.8	2	13.7	PIN	PCI	QUAD LP	6-2170705-1
3.4	1	23.0	PIN	NETWORKING	QUAD LP	5-2170705-9
2.9	1	16.0	PIN	SAN	COATED QUAD LP	5-2170705-8
	1	13.7	PIN	PCI	COATED QUAD LP	5-2170705-7
	0	31.6	PIN	CUSTOMIZED	QUAD LP	5-2170705-1
	1	23.0	PIN	NETWORKING	QUAD LP	4-2170705-9
	1	16.0	PIN	SAN	QUAD LP	4-2170705-8
	1	13.7	PIN	PCI	QUAD LP	4-2170705-7
	0	23.0	PIN	NETWORKING	QUAD LP	4-2170705-6
	0	16.0	PIN	SAN	QUAD LP	4-2170705-5
	0	13.7	PIN	PCI	QUAD LP	4-2170705-4
	2	23.0	PIN	NETWORKING	QUAD LP	4-2170705-3
	2	16.0	PIN	SAN	QUAD LP	4-2170705-2
	2	13.7	PIN	PCI	QUAD LP	4-2170705-1
	0	17.9	FIN	NETWORKING	QUAD LP	1-2170705-2
	0	23.0	FIN	NETWORKING	DUAL LP	3-2170705-0
	1	23.0	PIN	NETWORKING	DUAL LP	2-2170705-9
	1	16.0	PIN	SAN	DUAL LP	2-2170705-8
	1	13.7	PIN	PCI	DUAL LP	2-2170705-7
	0	23.0	PIN	NETWORKING	DUAL LP	2-2170705-6
	0	16.0	PIN	SAN	DUAL LP	2-2170705-5
	0	13.7	PIN	PCI	DUAL LP	2-2170705-4
	2	23.0	PIN	NETWORKING	DUAL LP	2-2170705-3
	2	16.0	PIN	SAN	DUAL LP	2-2170705-2
	2	13.7	PIN	PCI	DUAL LP	2-2170705-1
	0	13.7	PIN	PCI	SINGLE LP	1-2170705-1
	1	23.0	PIN	NETWORKING	SINGLE LP(COATED)	1-2170705-0
	1	23.0	PIN	NETWORKING	SINGLE LP	2170705-9
	1	16.0	PIN	SAN	SINGLE LP	2170705-8
	1	13.7	PIN	PCI	SINGLE LP	2170705-7
	0	23.0	PIN	NETWORKING	SINGLE LP	2170705-6
	0	16.0	PIN	SAN	SINGLE LP	2170705-5
	0	13.7	PIN	PCI	SINGLE LP	2170705-4
	2	23.0	PIN	NETWORKING	SINGLE LP	2170705-3
	2	16.0	PIN	SAN	SINGLE LP	2170705-2
	2	13.7	PIN	PCI	SINGLE LP	2170705-1
DIM B	# REAR PINS	DIM A	HEAT SINK TYPE	APPLICATION (HEAT SINK OPTION)	LIGHT PIPE OPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

JASON YANG

07MAR2014

CHK

SEAN HAN

26JAN2016

APVD

DIMENSIONS:

mm

0 PLC ±0.25
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.100
4 PLC ±
ANGLES FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-19428
APPLICATION SPEC 114-32023
WEIGHT -
CUSTOMER DRAWING

TE Connectivity

NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER
HEAT SINK, LIGHT PIPE

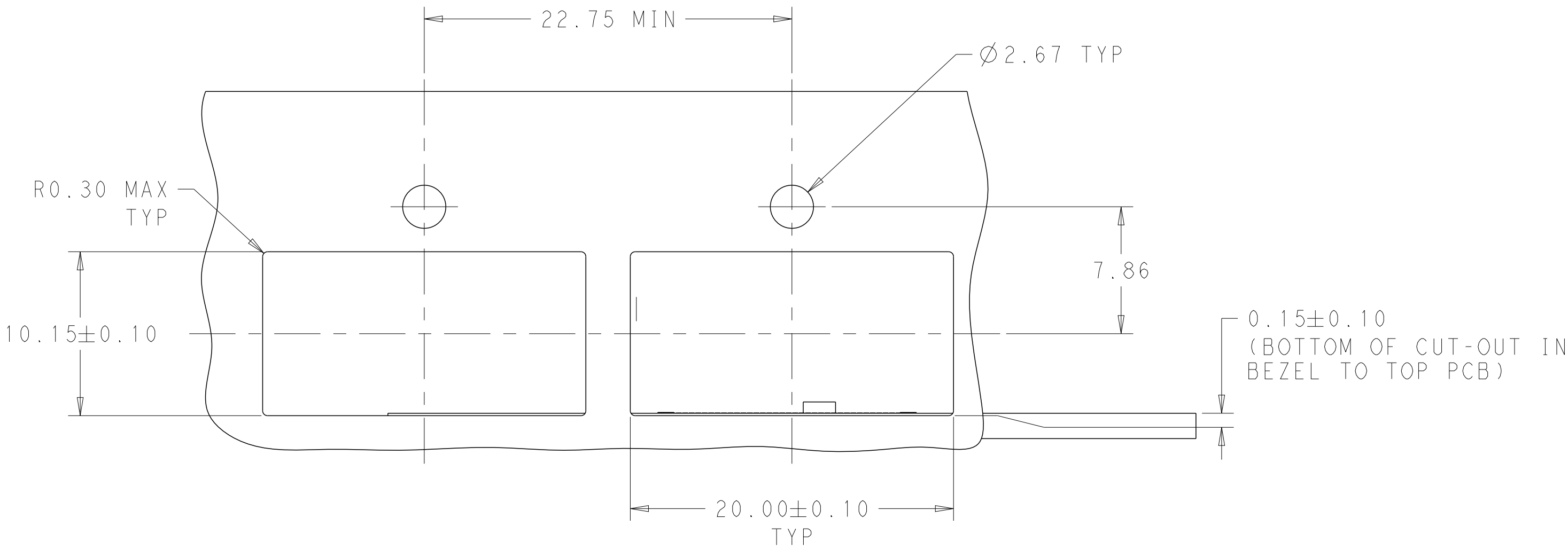
SIZE CAGE CODE DRAWING NO 100779
RESTRICTED TO -

SCALE 2:1

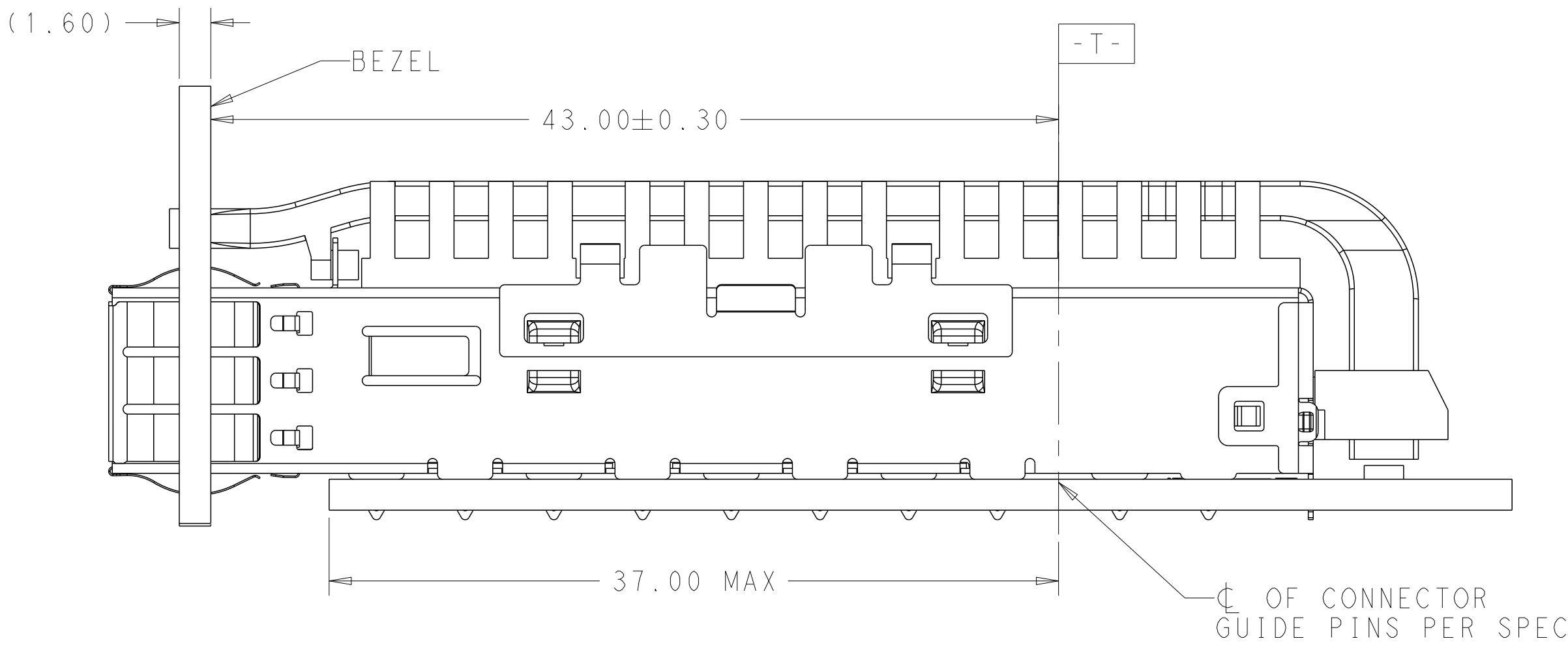
SHEET 5 OF 9

REV D1

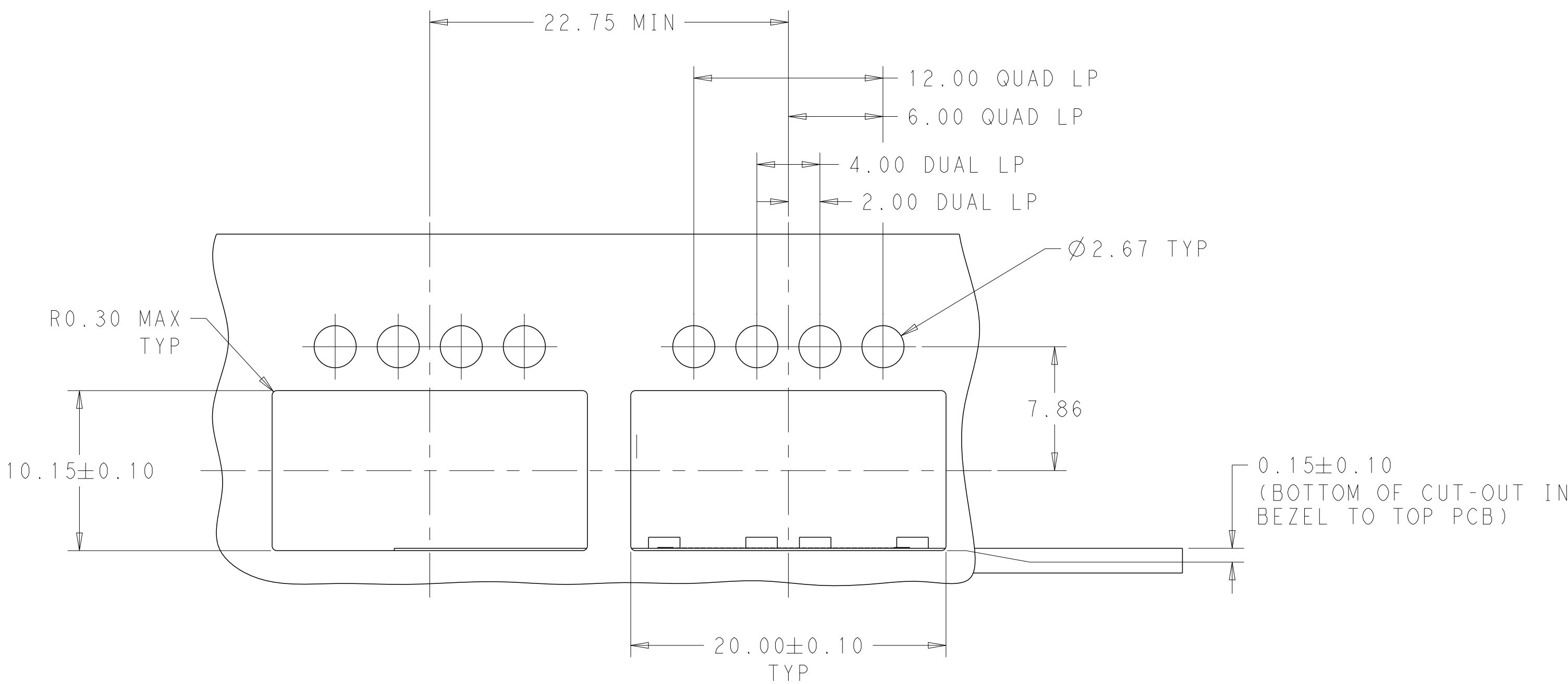
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P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



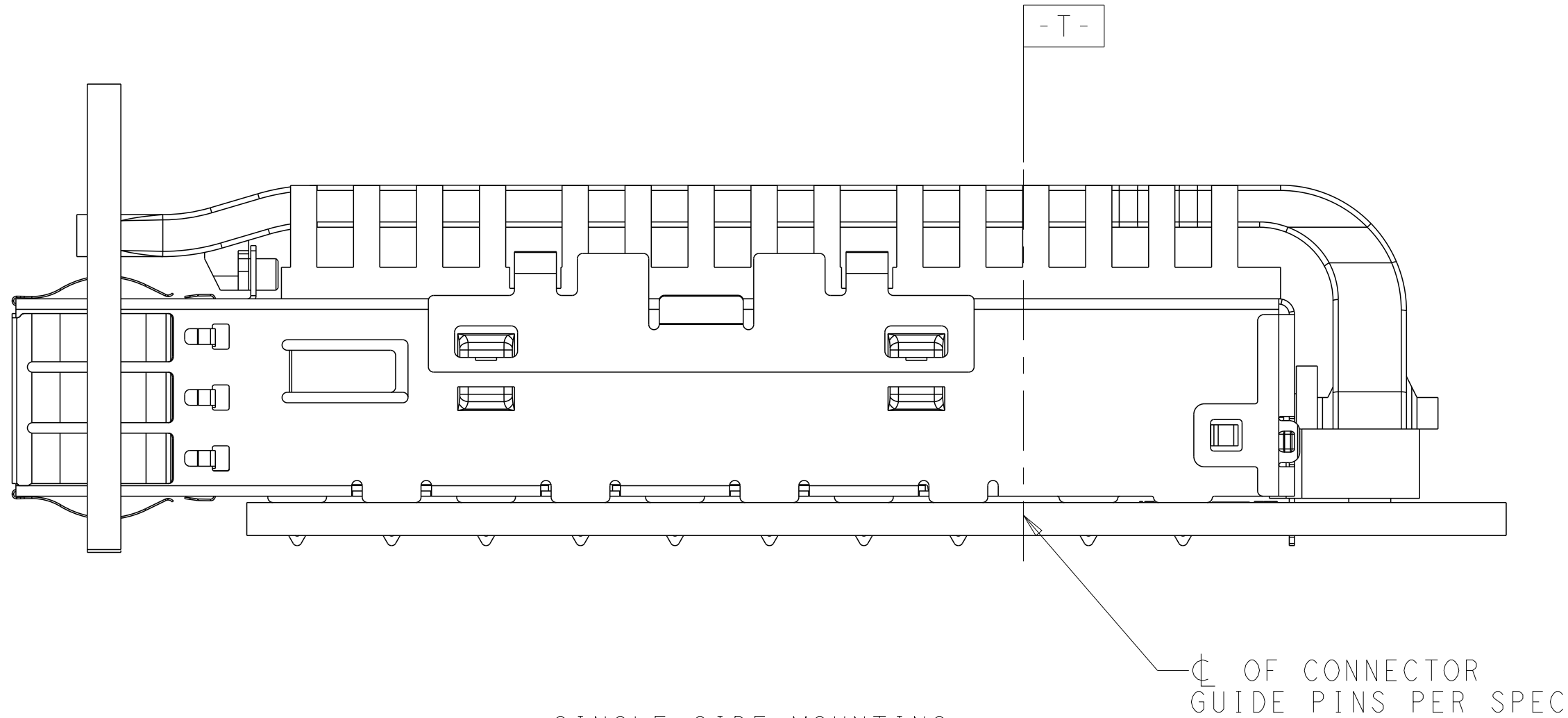
SINGLE LIGHT PIPE TYPE



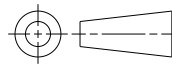
SINGLE SIDE MOUNTING
SCALE 4:1

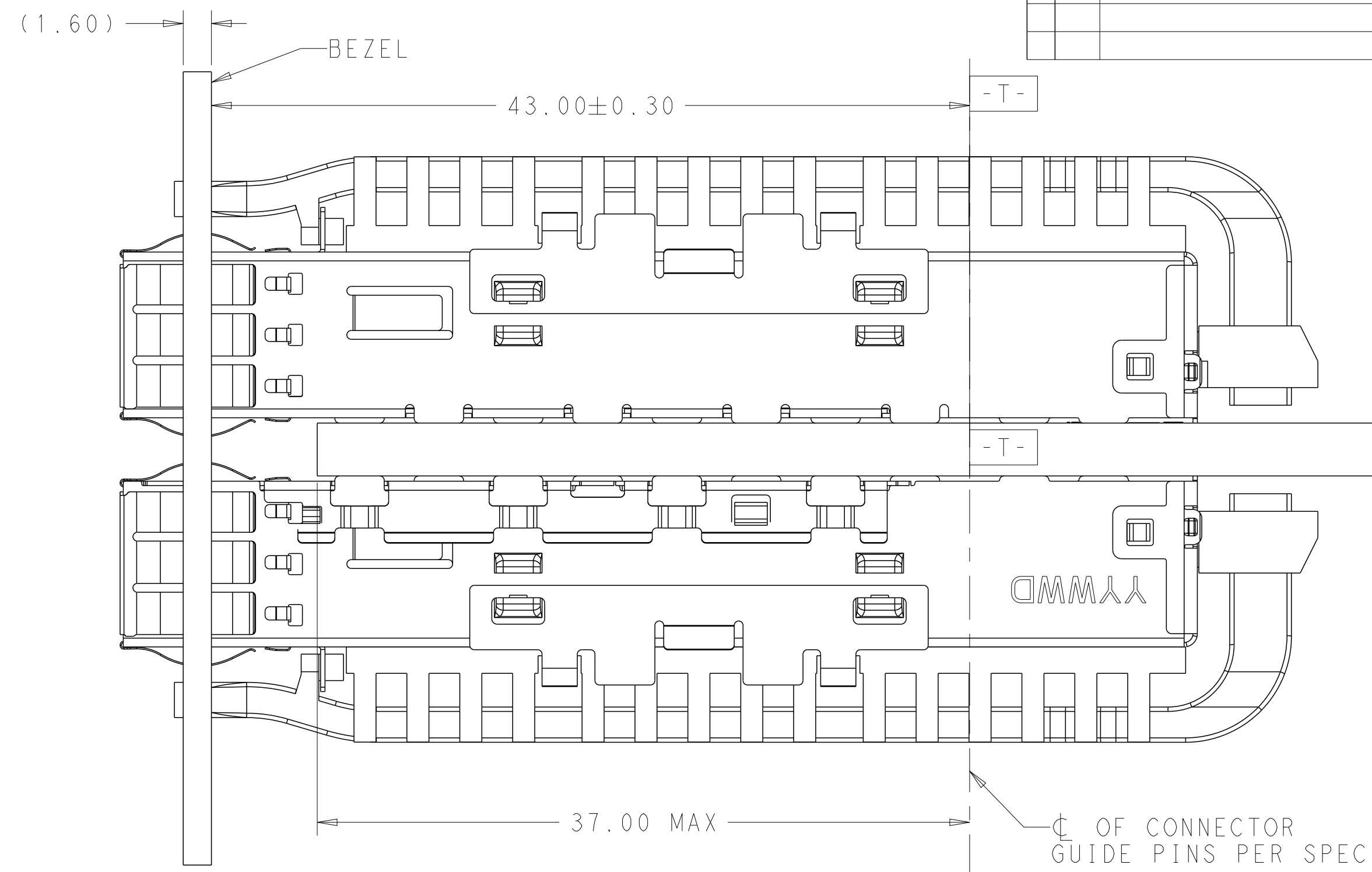


DUAL/QUAD LIGHT PIPE TYPE

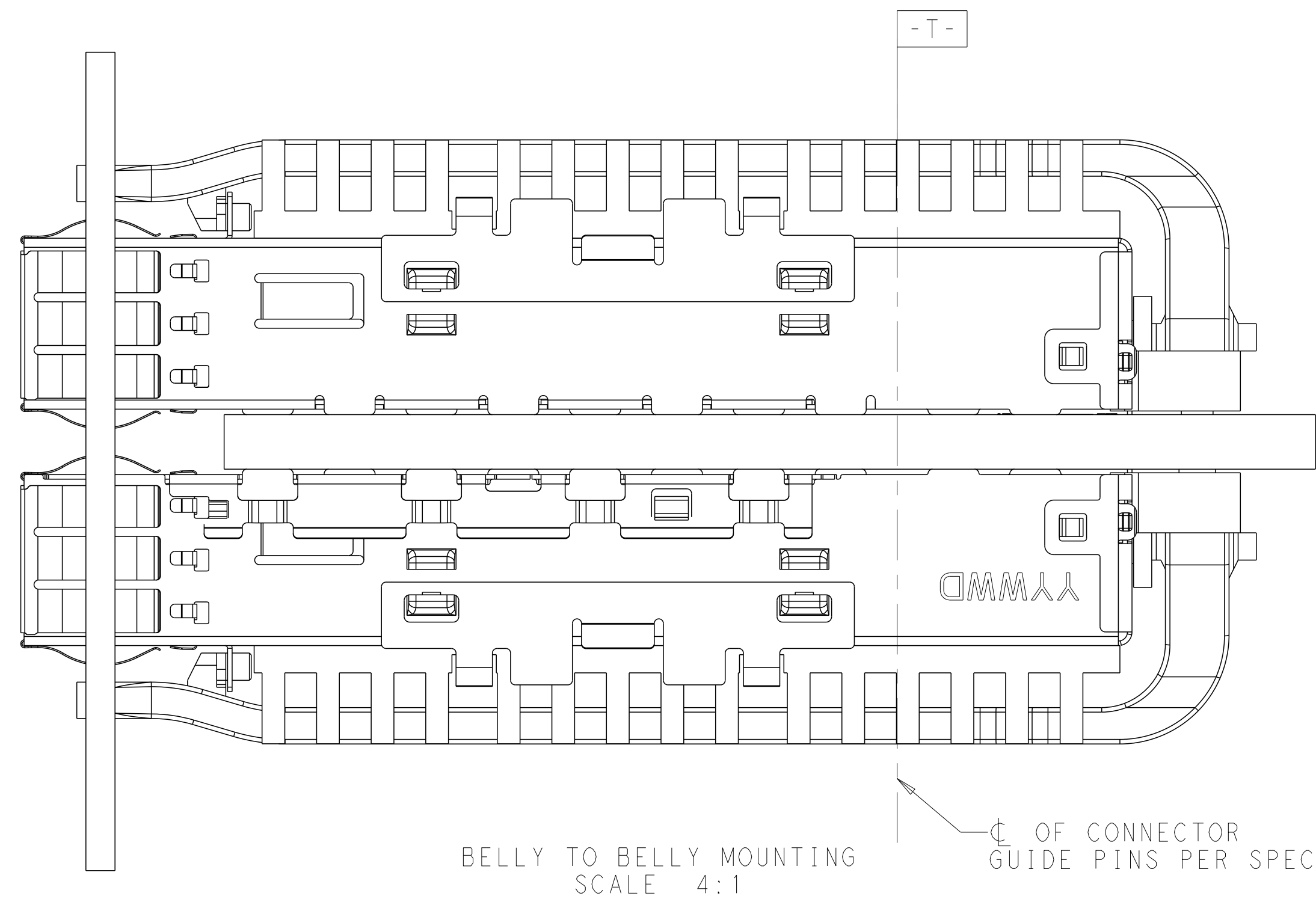


SINGLE SIDE MOUNTING
SCALE 4:1

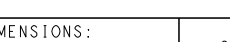
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 07MAR2014	 TE Connectivity
		CHK SEAN HAN 26JAN2016	
DIMENSIONS:		APVD	NAME
mm		PRODUCT SPEC	CAGE ASSEMBLY, QSFP28, THRU BEZEL
		108-19428	WITH EMI SPRING FINGER
		APPLICATION SPEC	HEAT SINK, LIGHT PIPE
		114-32023	SIZE CAGE CODE DRAWING NO
		WEIGHT	A100779C=2170705
MATERIAL		CUSTOMER DRAWING	RESTRICTED TO
		SCALE 2:1	SHEET 6 OF 9
		REV D1	

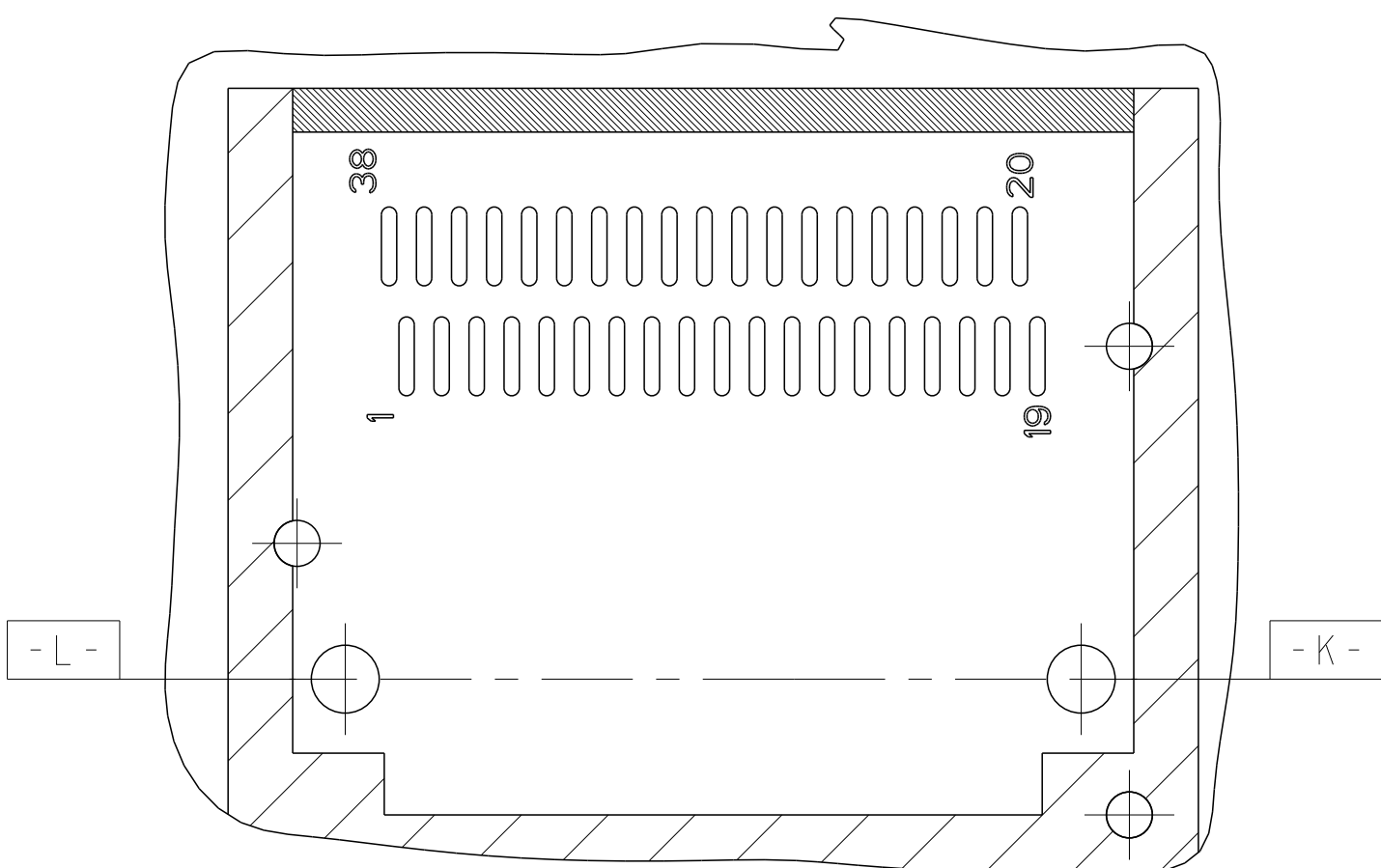


BELLY TO BELLY MOUNTING
SCALE 4:1



BELLY TO BELLY MOUNTING
SCALE 4:1

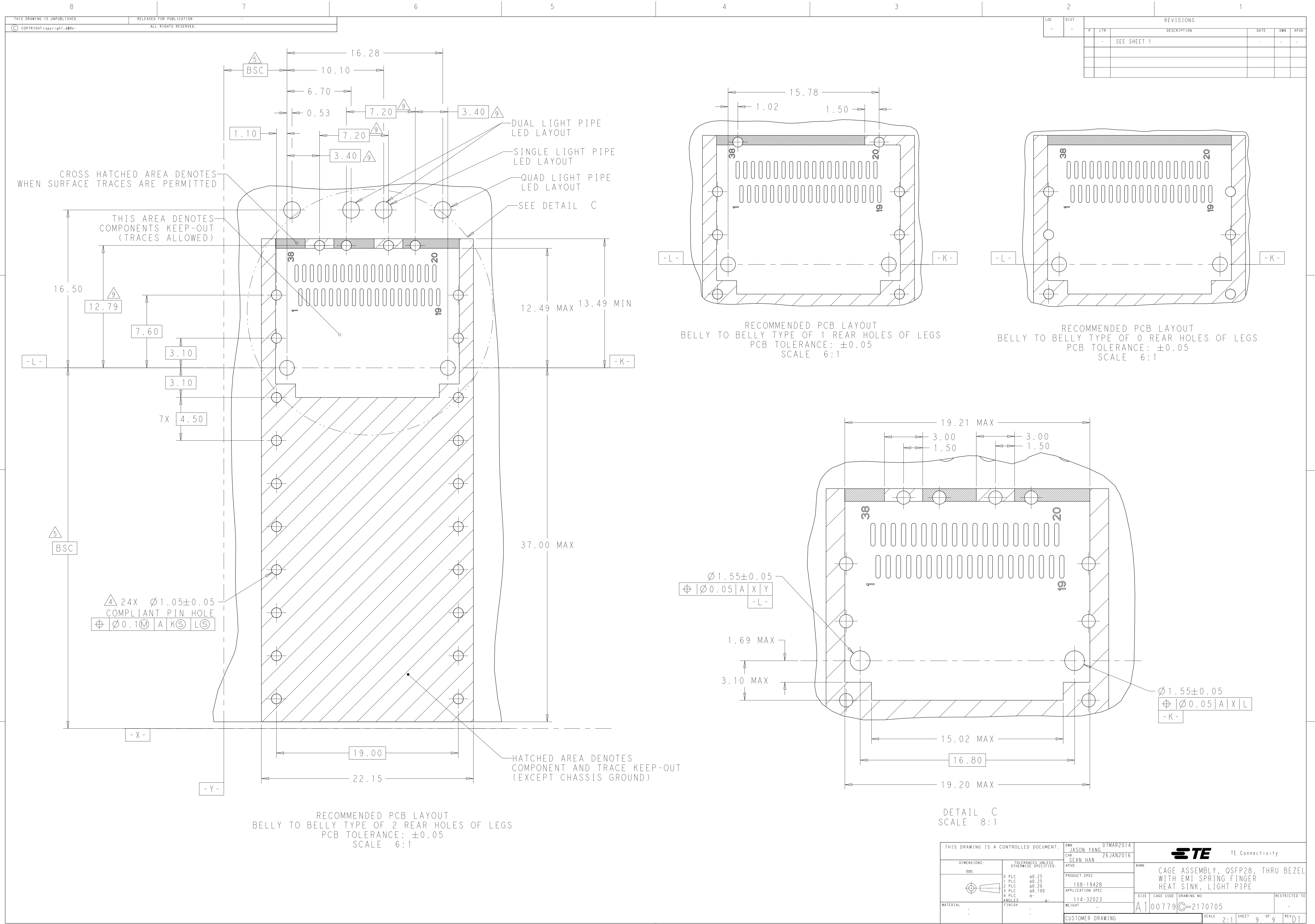
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 07MAR2014 JASON YANG CHK 26JAN2016 SEAN HAN		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.20 3 PLC ±0.100 4 PLC ±. ANGLES ±.		NAME CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE	
		PRODUCT SPEC 108-19428 APPLICATION SPEC 114-32023		SIZE A1	
MATERIAL -		FINISH -		WEIGHT -	
		CUSTOMER DRAWING		SCALE 2:1 SHEET 7 of 9 REV D1	



RECOMMENDED PCB LAYOUT
SINGLE TYPE OF 0 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
SCALE 6:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 07MAR2014 JASON YANG		TE Connectivity	
DIMENSIONS:		CWN 26JAN2016 SEAN HAN		NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD		CAGE ASSEMBLY, QSFP28, THRU BEZEL WITH EMI SPRING FINGER HEAT SINK, LIGHT PIPE	
mm		PRODUCT SPEC		SIZE	
		108-19428		CAGE CODE	
0 P/LC ±0.25 1 P/LC ±0.25 2 P/LC ±0.20 3 P/LC ±0.100 4 P/LC ± ANGLES ± FINISH		APPLICATION SPEC		DRAWING NO	
MATERIAL		114-32023		©=2170705	
-		WEIGHT -		RESTRICTED TO -	
-		CUSTOMER DRAWING		SCALE 2:1 SHEET 8 OF 9 REV D1	



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