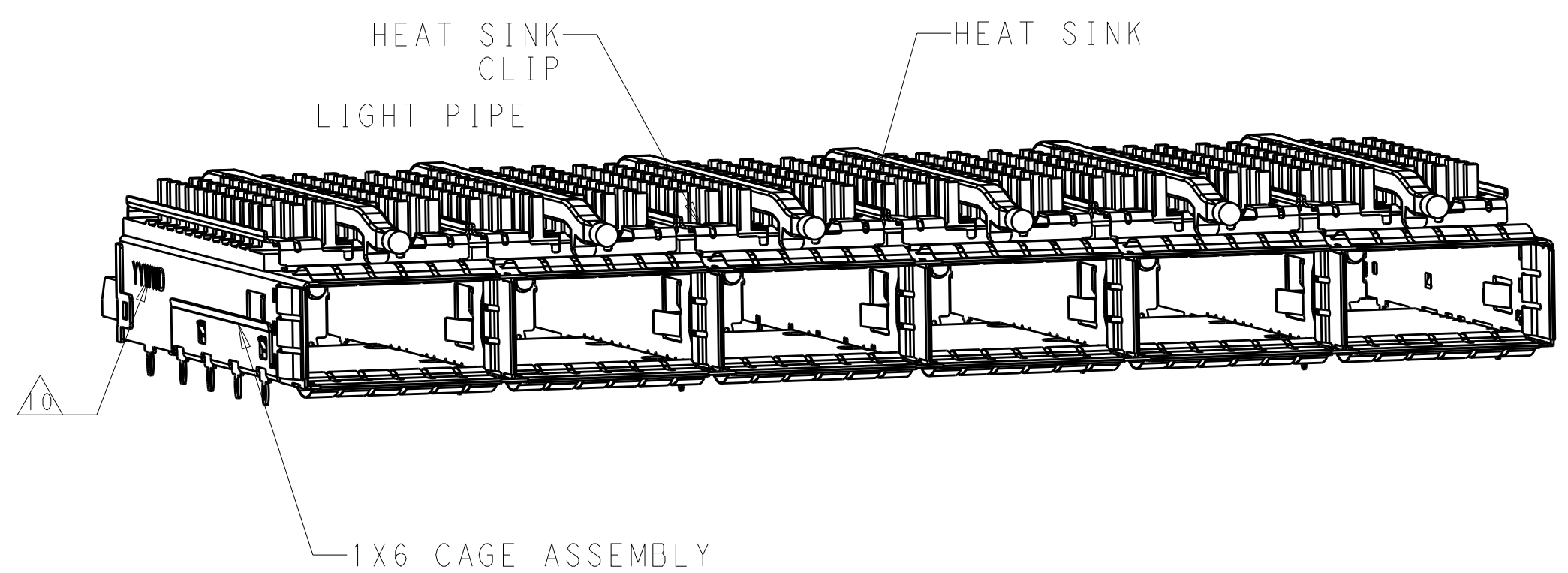


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		A	RELEASE	02NOV2016	JY	SH
			B	REVISED PER ECO-20-012918	1AUG2020	JW	SH

D

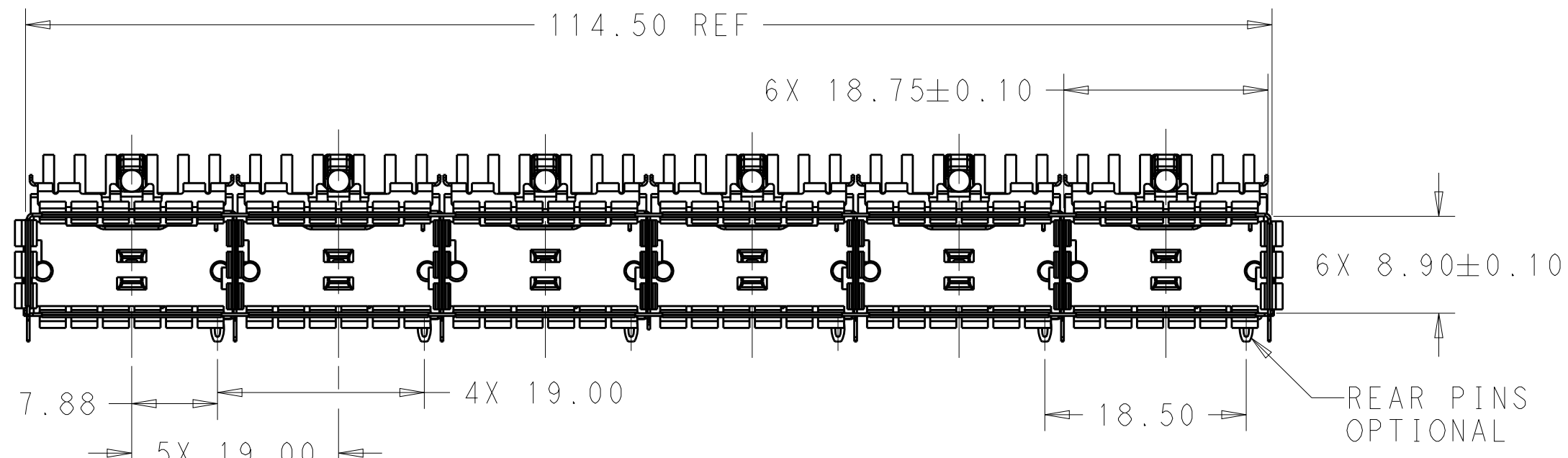
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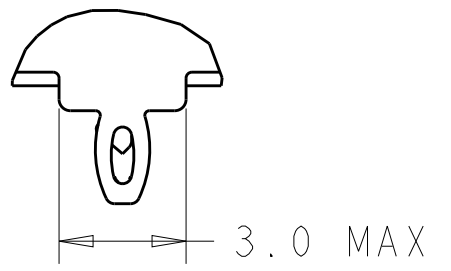
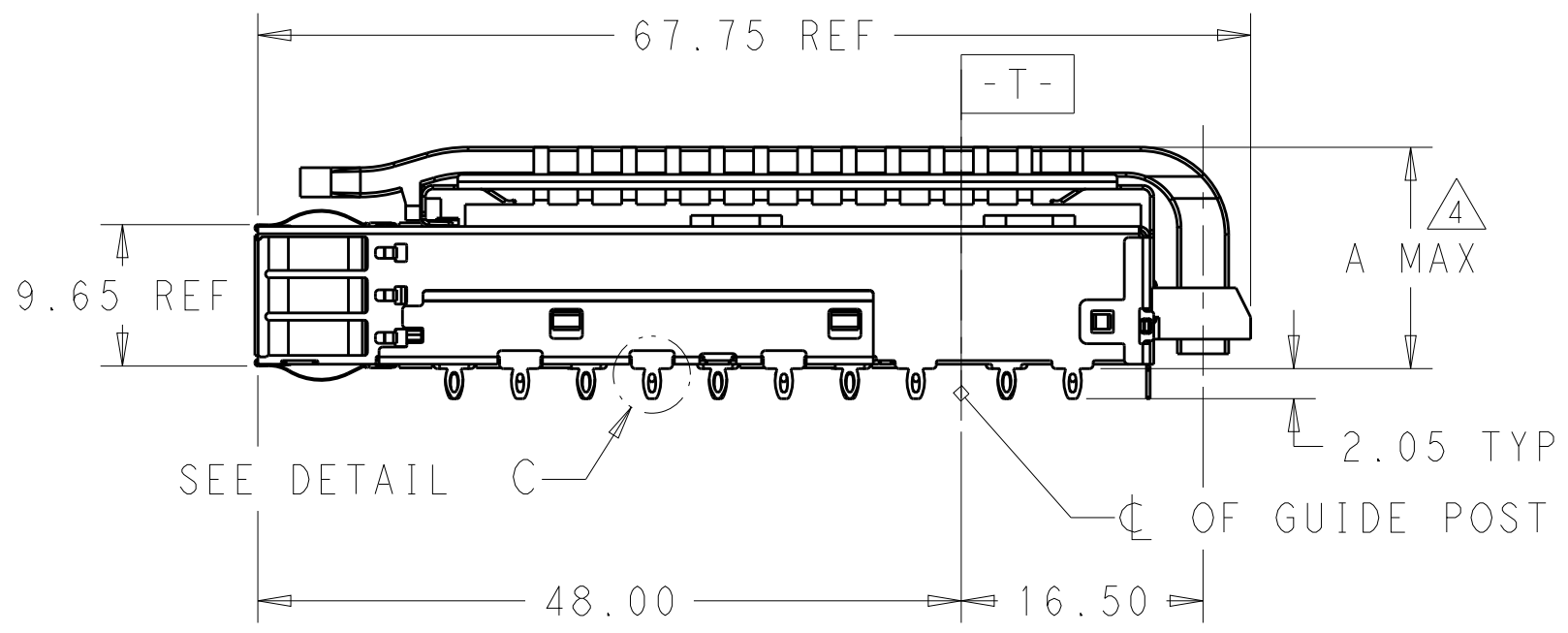
1. COMPONENTS
CAGE ASSEMBLY: NICKEL-SILVER ALLOY
HEAT SINK: ALUMINUM/BLACK ANODIZE
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY/NICKEL PLATE
LIGHT PIPE: CLEAR POLYCARBONATE WITH UL 94 V-0
ORGANIZER: POLYESTER WITH UL 94 V-0
2. REFERENCE APPLICATION SPECIFICATION 114-32023
FOR RECOMMENDED 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.

C

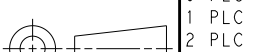
C



SCALE 2:1



DETAIL C
SCALE 6:1

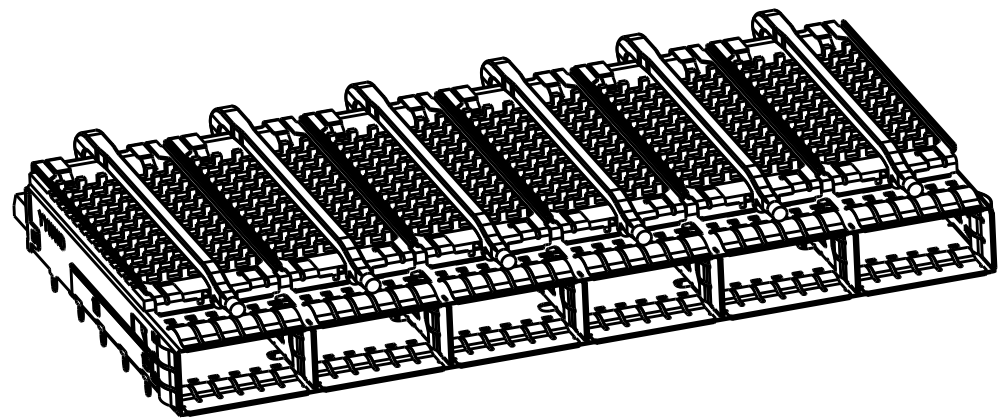
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 24OCT2013		 TE Connectivity									
		CHK SEAN HAN 02NOV2016											
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD -	-	NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING									
		PRODUCT SPEC 108-19428											
	0 PLC ±.	APPLICATION SPEC 114-32023		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO -						
	1 PLC ±0.25	WEIGHT -		A2	00779	C-2170708							
MATERIAL	FINISH	CUSTOMER DRAWING				SCALE	1:1	SHEET	1	OF	9	REV	B
SEE NOTES		SEE NOTES											

A

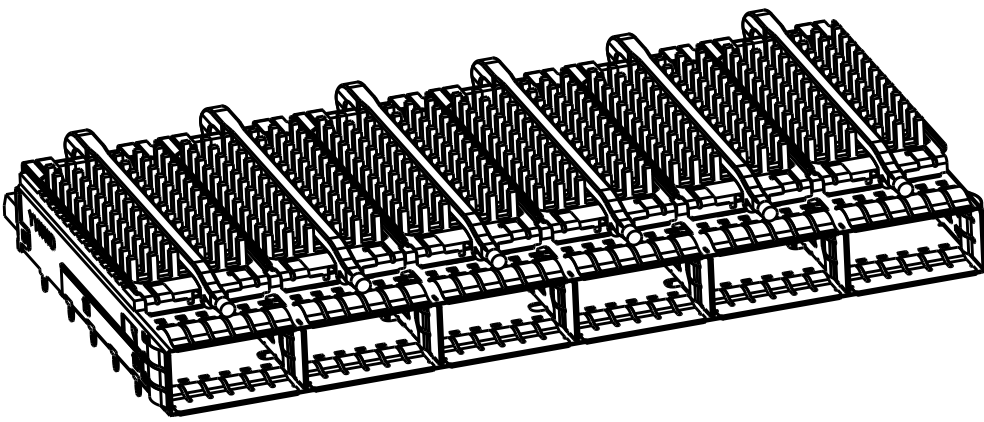
A

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

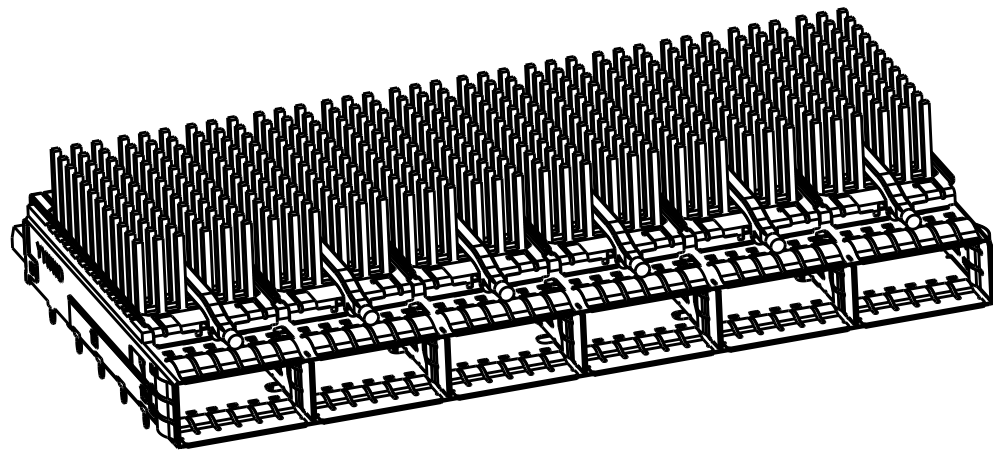
HEAT SINK OPTION



PCI HEAT SINK
SCALE 1:1

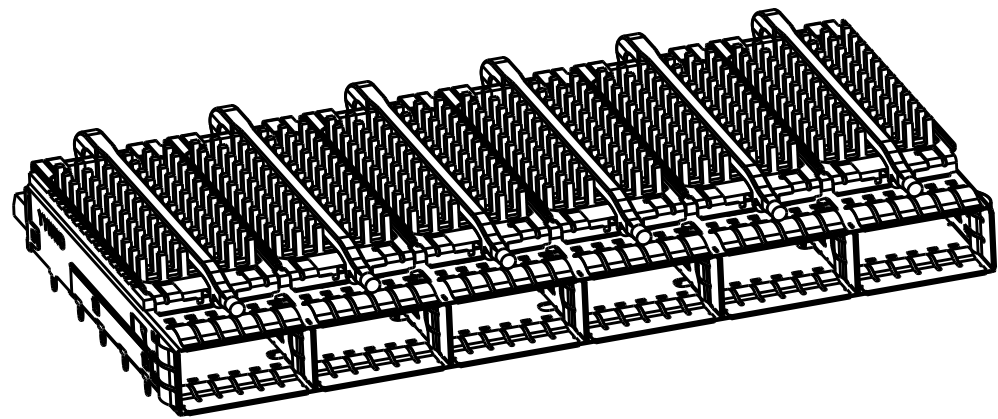


SAN HEAT SINK
SCALE 1:1

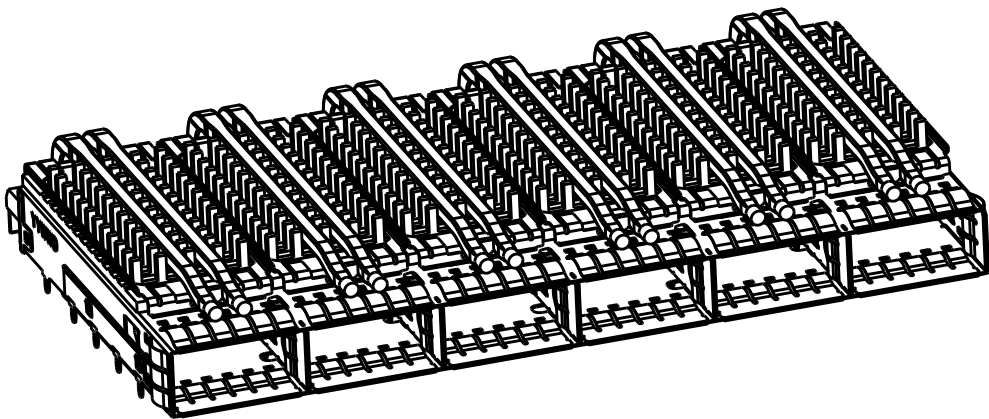


NETWORKING
SCALE 1:1

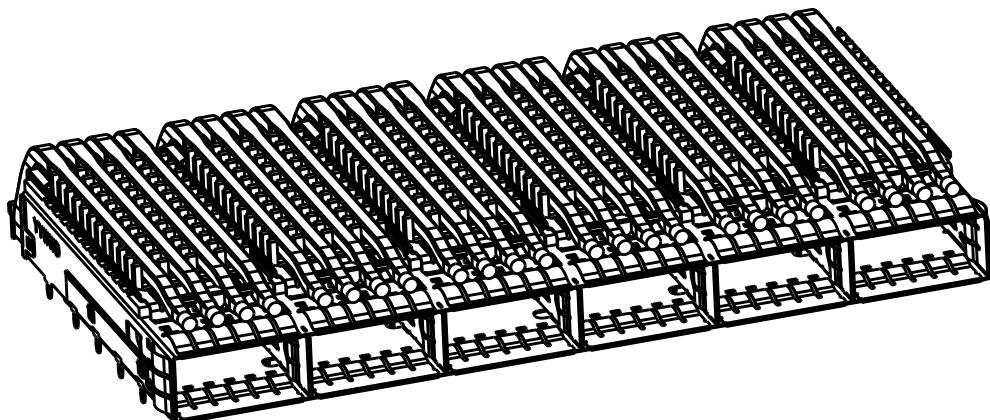
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 1:1

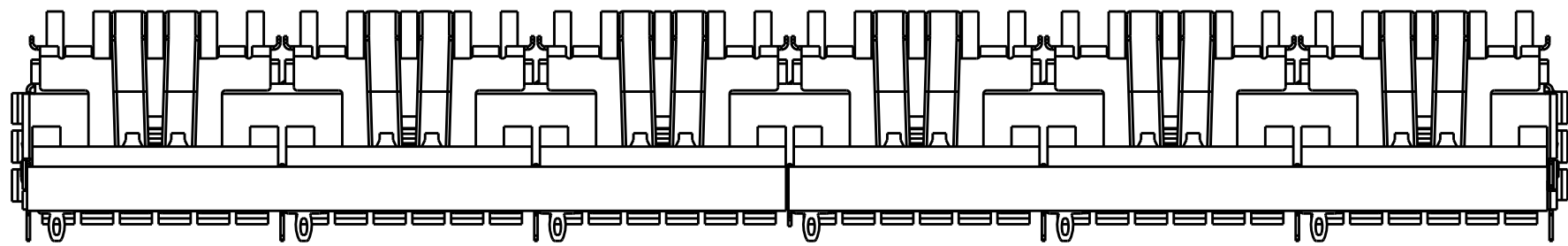


DUAL LIGHT PIPE
SCALE 1:1

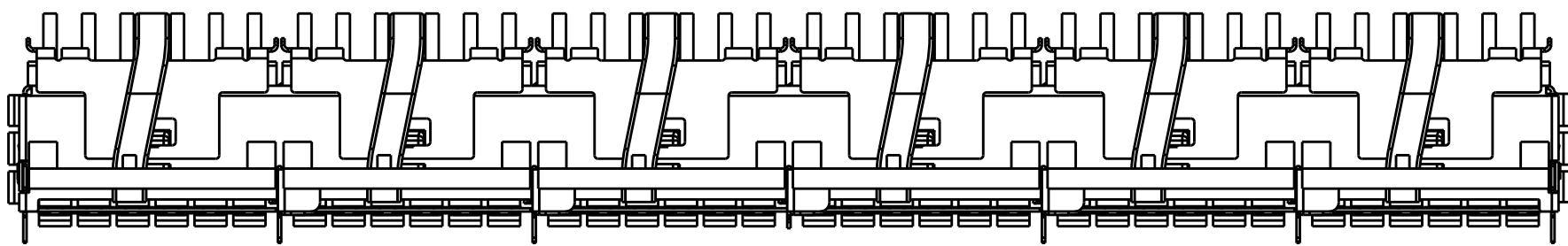


QUAD LIGHT PIPE
SCALE 1:1

OF REAR LEGS OPTIONS



1 REAR LEGS
SCALE 2:1



0 REAR LEGS
SCALE 2:1

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
material_2

SEE NOTES
finish_spec_2

DWN
JASON YANG
24OCT2013

CHK
SEAN HAN
02NOV2016

APVD

PRODUCT SPEC
108-19428

APPLICATION SPEC
114-32023

WEIGHT

CUSTOMER DRAWING

SCALE 3:1

SHEET 2 OF 9

REV B

TE Connectivity

CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING

SIZE A200779

CAGE CODE C-2170708

DRAWING NO

RESTRICTED TO

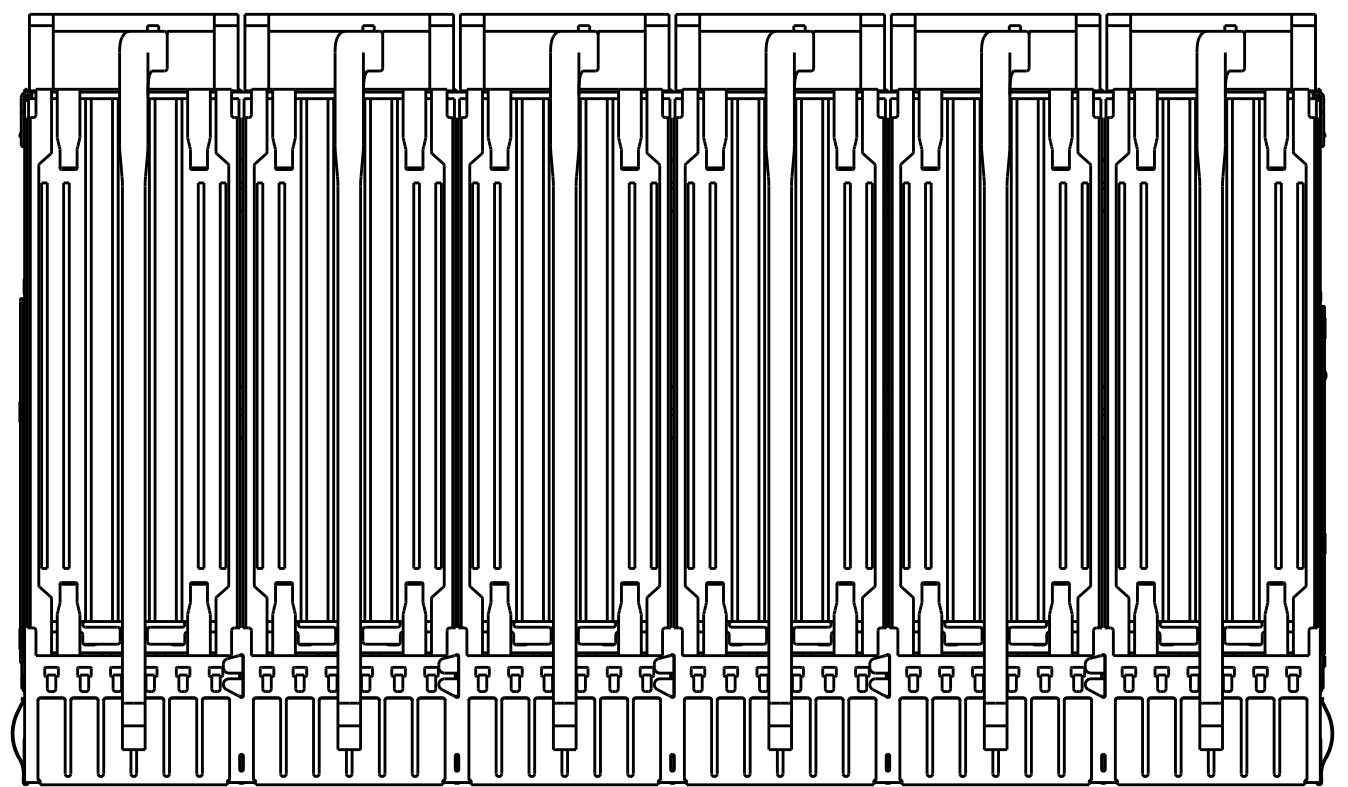
D

C

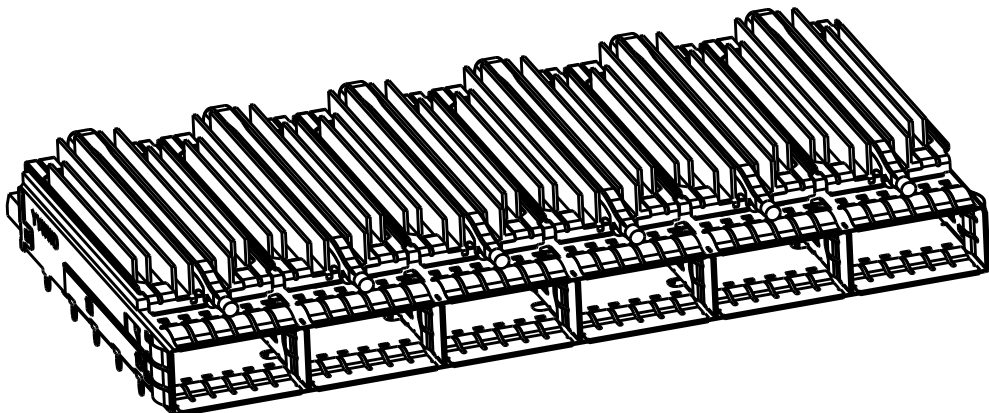
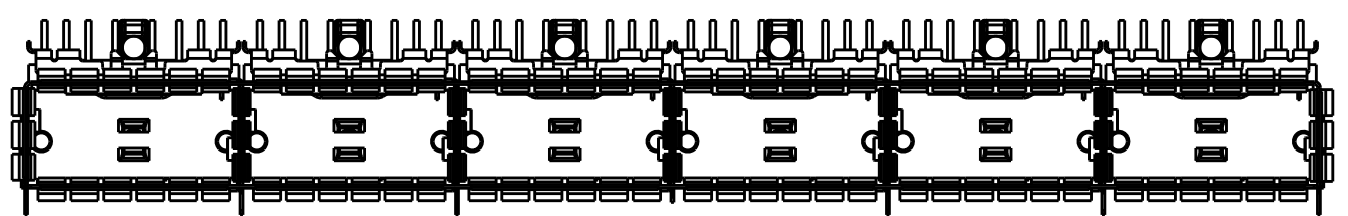
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A

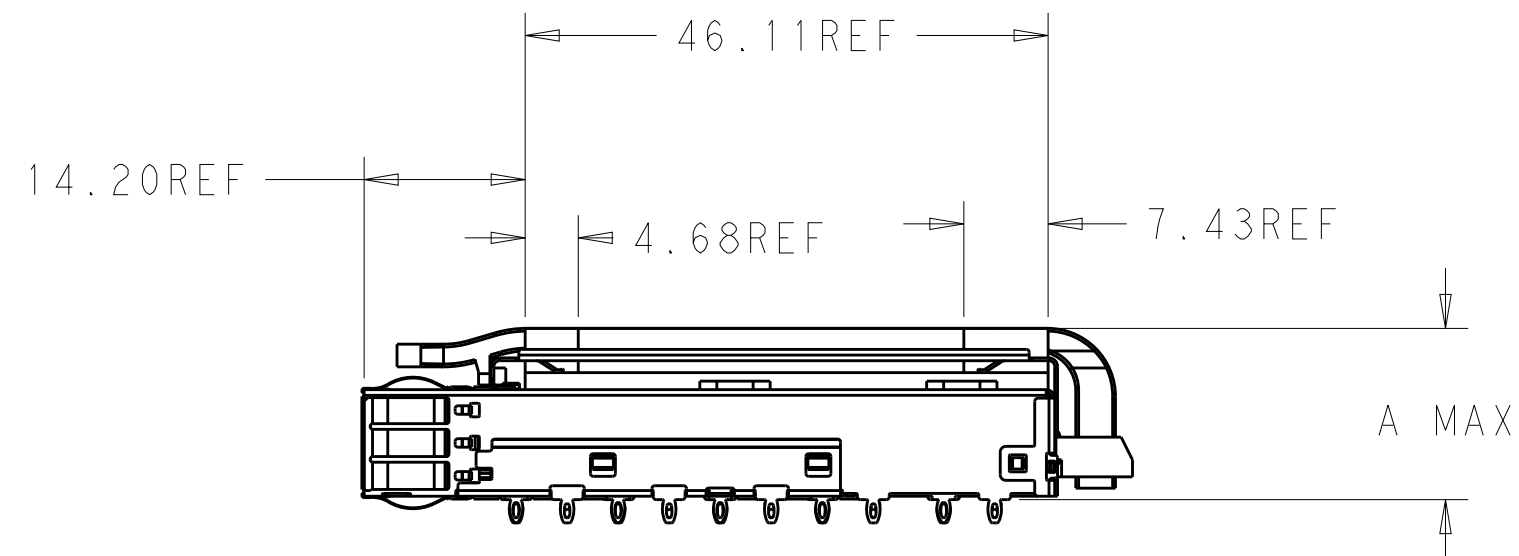
5-2170708-5 UNMARKED DIMENIONS SAME AS 2170708-1



SCALE 3:2



5-2170708-5
SCALE 1:1



D

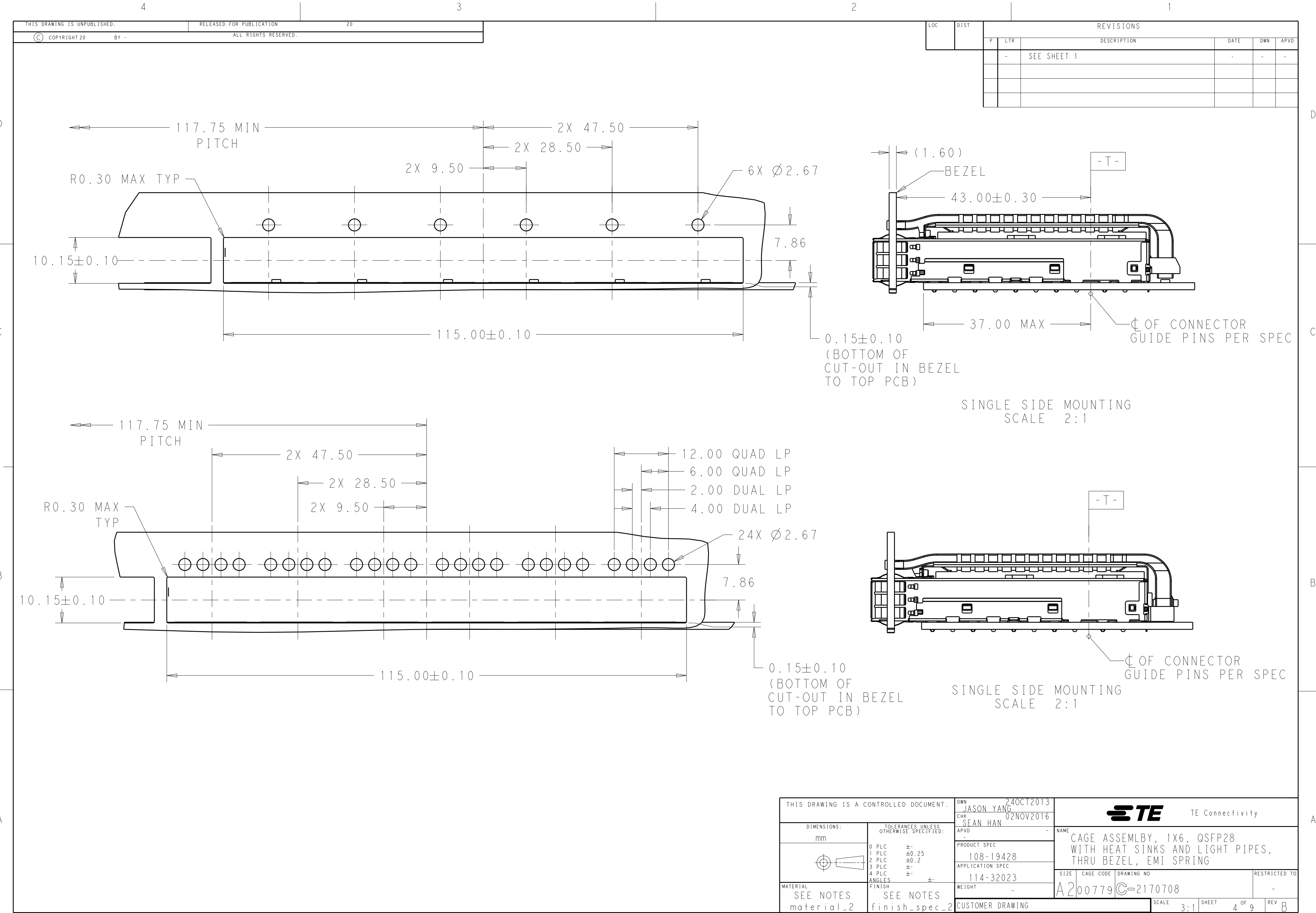
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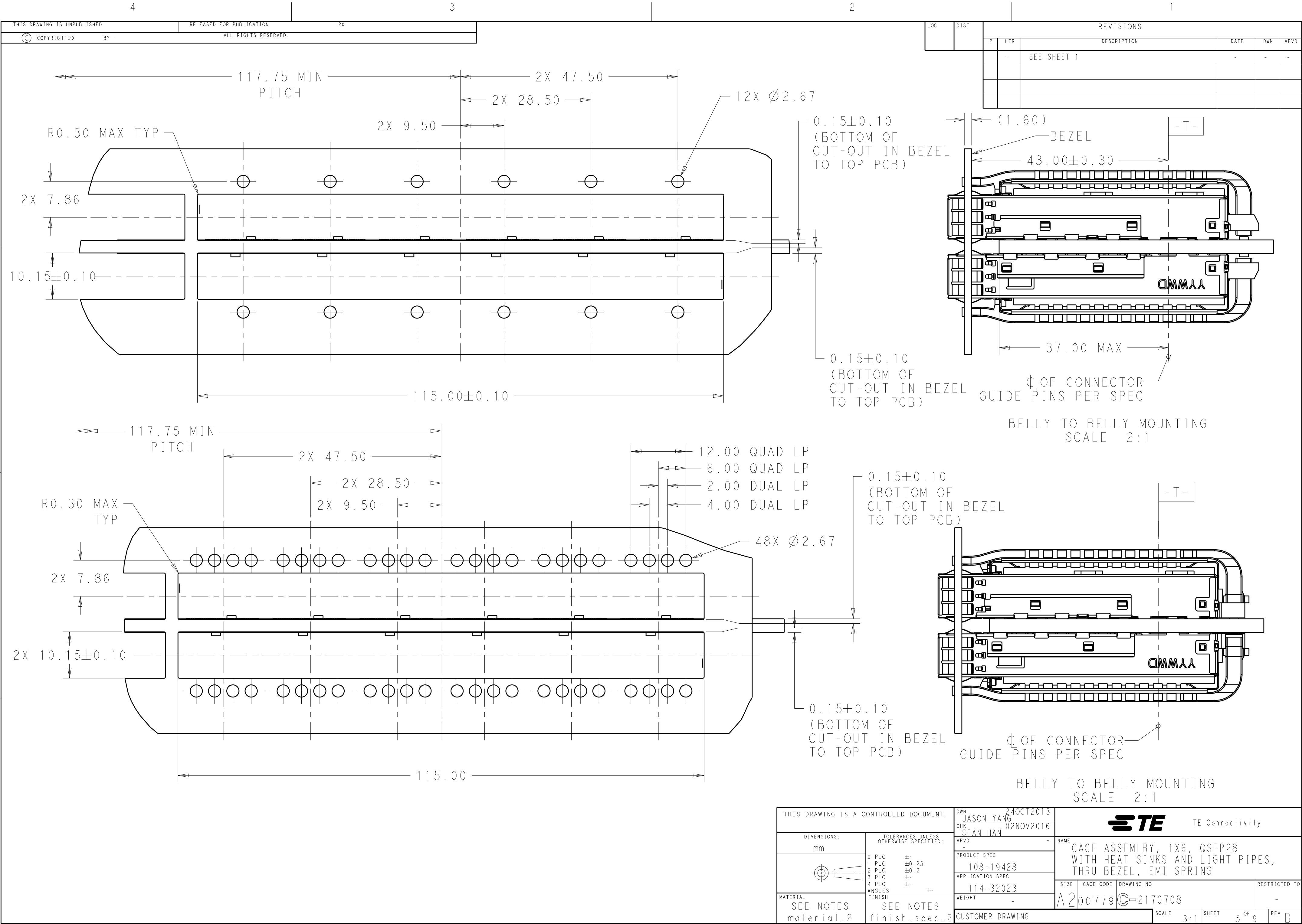
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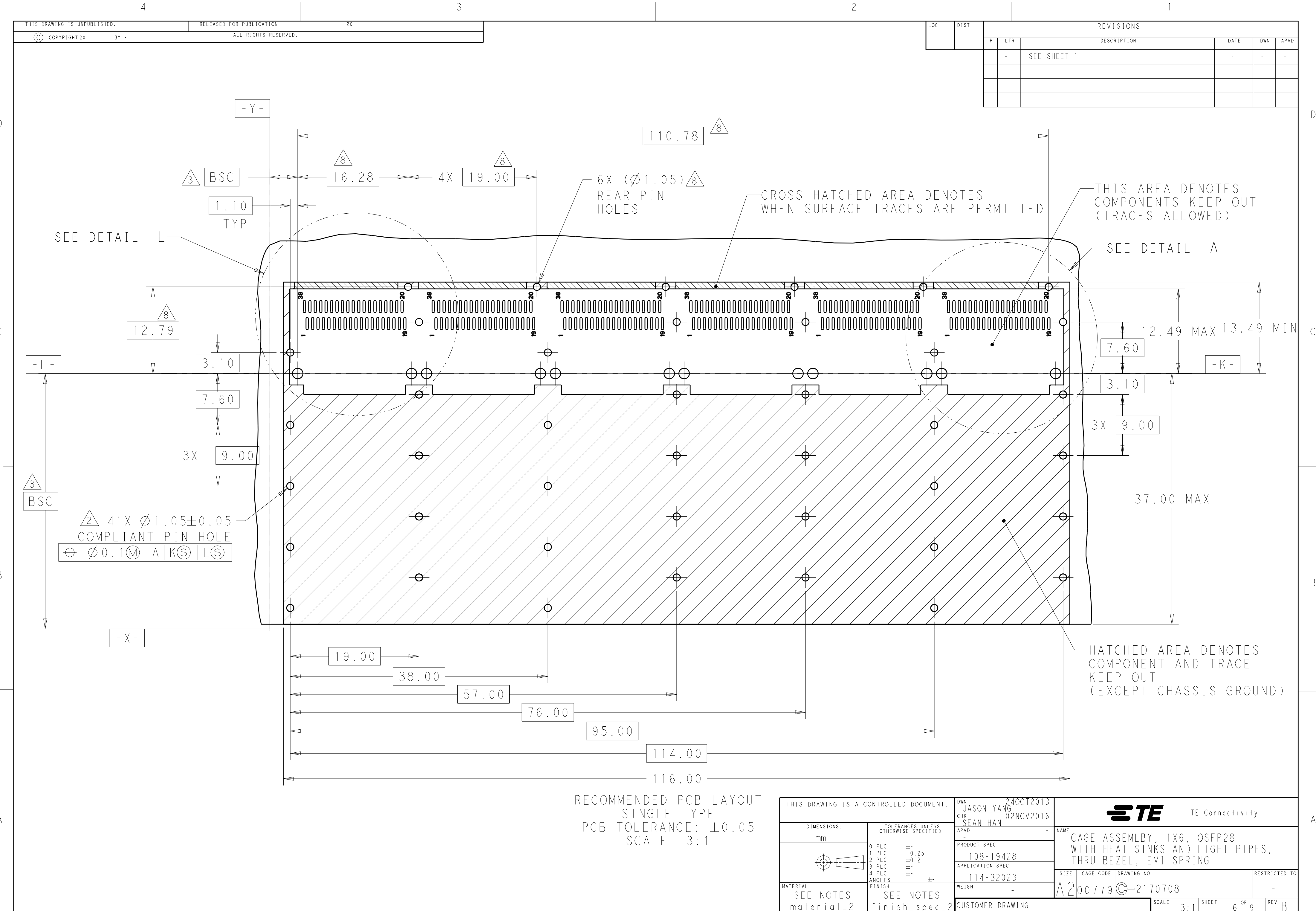
A

0	16	FIN TYPE , SAN	SINGLE	5-2170708-5
1	14.9	CUSTOMER SPECIFIC	QUAD	4-2170708-7
0	23.0	NETWORKING	QUAD	4-2170708-6
0	16.0	SAN	QUAD	4-2170708-5
0	13.7	PCI	QUAD	4-2170708-4
1	23.0	NETWORKING	QUAD	4-2170708-3
1	16.0	SAN	QUAD	4-2170708-2
1	13.7	PCI	QUAD	4-2170708-1
0	16.5	CUSTOMIZED	DUAL	2-2170708-7
0	23.0	NETWORKING	DUAL	2-2170708-6
0	16.0	SAN	DUAL	2-2170708-5
0	13.7	PCI	DUAL	2-2170708-4
1	23.0	NETWORKING	DUAL	2-2170708-3
1	16.0	SAN	DUAL	2-2170708-2
1	13.7	PCI	DUAL	2-2170708-1
1	14.9	CUSTOMER SPECIFIC	SINGLE	1-2170708-1
0	23.0	NETWORKING	SINGLE	2170708-6
0	16.0	SAN	SINGLE	2170708-5
0	13.7	PCI	SINGLE	2170708-4
1	23.0	NETWORKING	SINGLE	2170708-3
1	16.0	SAN	SINGLE	2170708-2
1	13.7	PCI	SINGLE	2170708-1
# OF REAR PIN	DIM A	APPLICATION	LIGHT PIPE OPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24OCT2013 JASON YANG		 TE Connectivity	
		CHK 02NOV2016 SEAN HAN			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CAGE ASSEMBLY, 1X6, QSFP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING	
mm		APVD -			
		PRODUCT SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		108-19428			
		APPLICATION SPEC		A200779C=2170708	
		114-32023			
MATERIAL		WEIGHT		SCALE 3:1 SHEET 3 OF 9 REV B	
FINISH		-			
SEE NOTES material_2		CUSTOMER DRAWING			
SEE NOTES finish_spec_2					







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										-	-	SEE SHEET 1		-
														DWN
														APVD

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DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1

THIS AREA DENOTES COMPONENTS KEEP-OUT (TRACES ALLOWED)

SEE DETAIL A

SEE DETAIL E

6X (Ø1.05) REAR PIN HOLES

CROSS HATCHED AREA DENOTES WHEN SURFACE TRACES ARE PERMITTED

THIS AREA DENOTES COMPONENTS KEEP-OUT (TRACES ALLOWED)

SEE DETAIL A

110.78

16.28

4X 19.00

1.10 TYP

12.79

3.10

7.60

3X 9.00

12.49 MAX 13.49 MIN

7.60

3.10

3X 9.00

37.00 MAX

19.00

38.00

57.00

76.00

95.00

114.00

116.00

41X Ø1.05±0.05 COMPLIANT PIN HOLE

Ø0.1

A

K

S

L

S

HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

RECOMMENDED PCB LAYOUT

SINGLE TYPE

PCB TOLERANCE: ±0.05

SCALE 3:1

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DWN JASON YANG 24OCT2013

CHK SEAN HAN 02NOV2016

APVD

PRODUCT SPEC 108-19428

APPLICATION SPEC 114-32023

WEIGHT

CUSTOMER DRAWING

SCALE 3:1

SHEET 6 OF 9

REV B

TE Connectivity

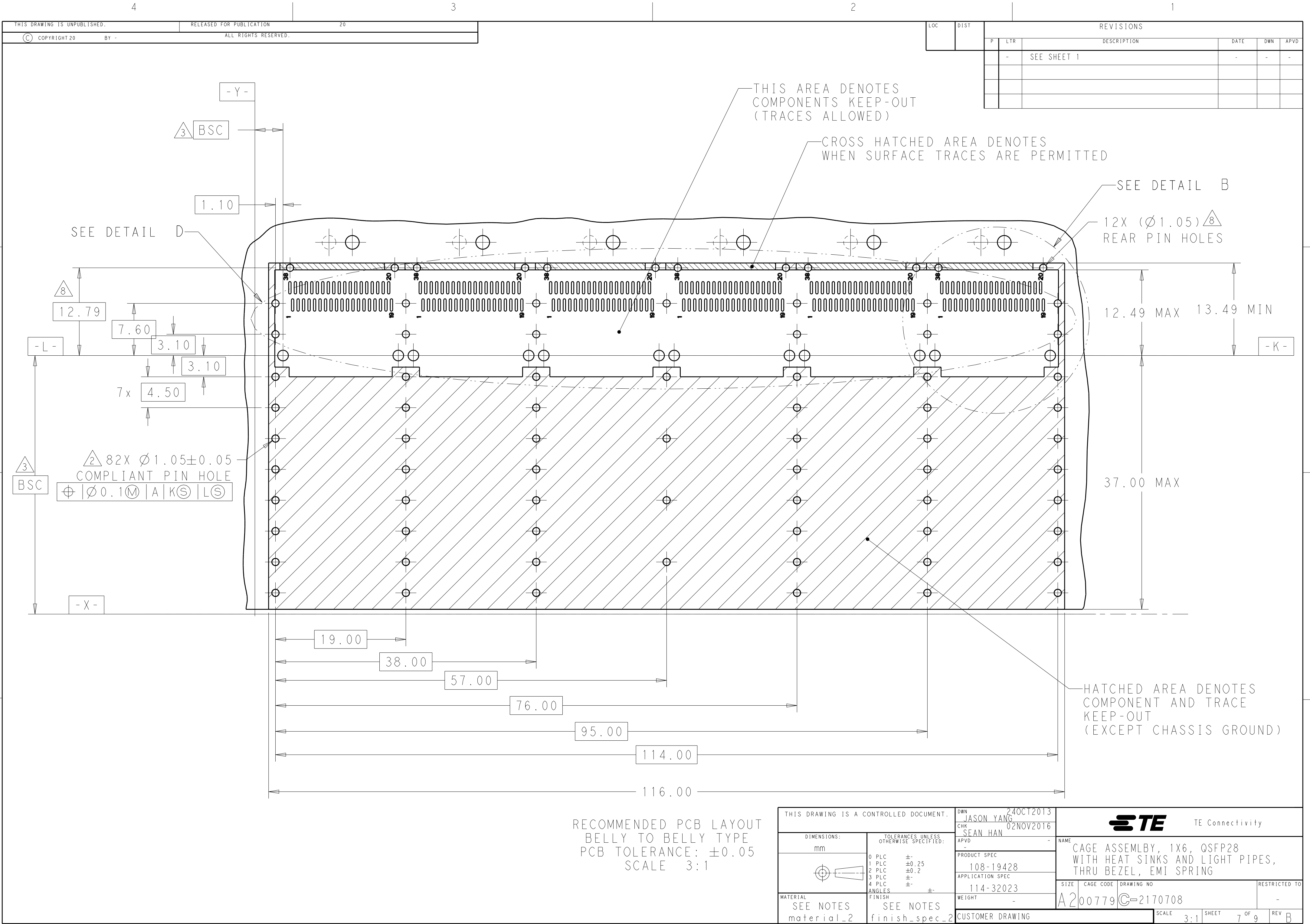
CAGE ASSEMBLY, 1X6, QSP28 WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, EMI SPRING

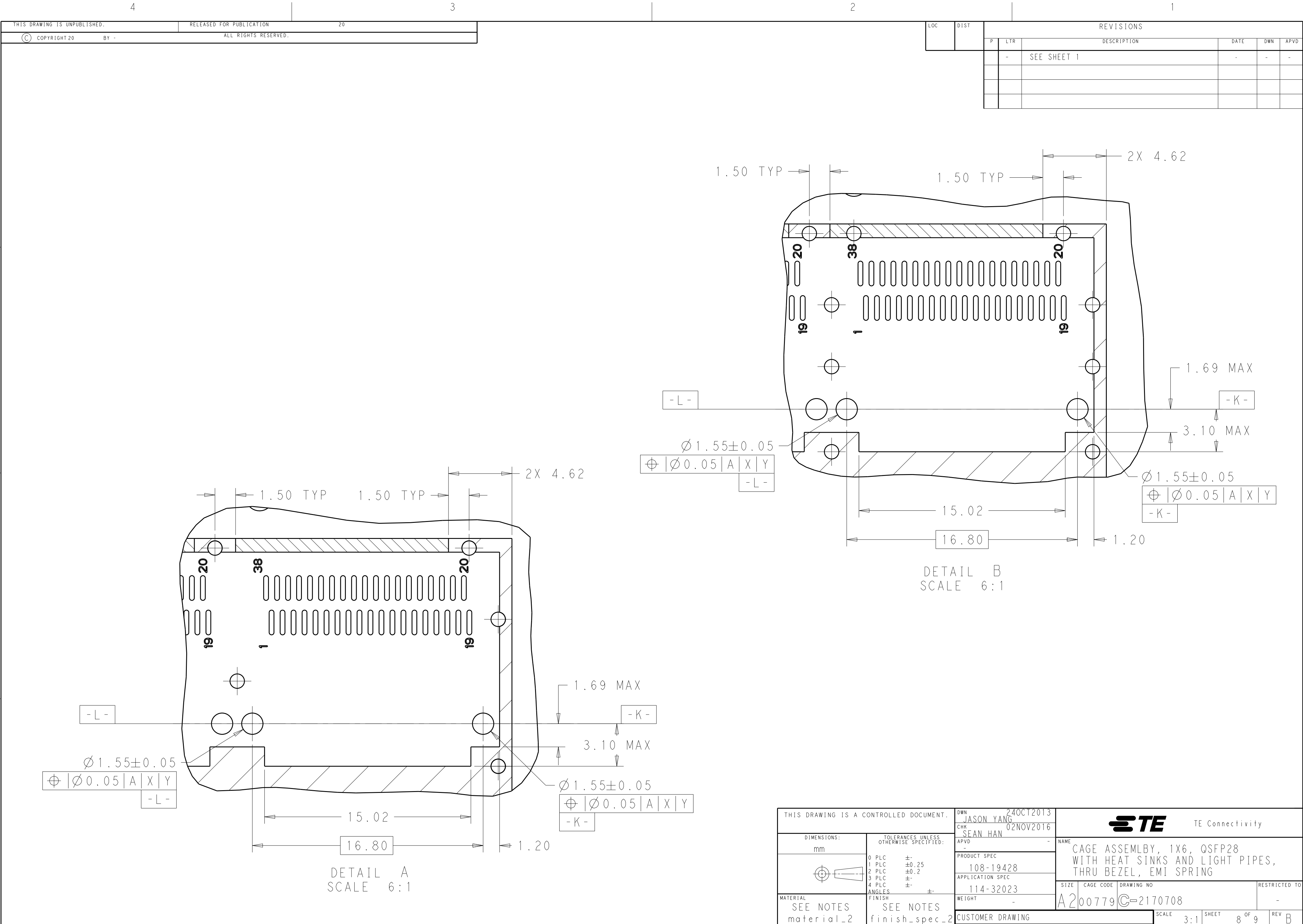
SIZE A2

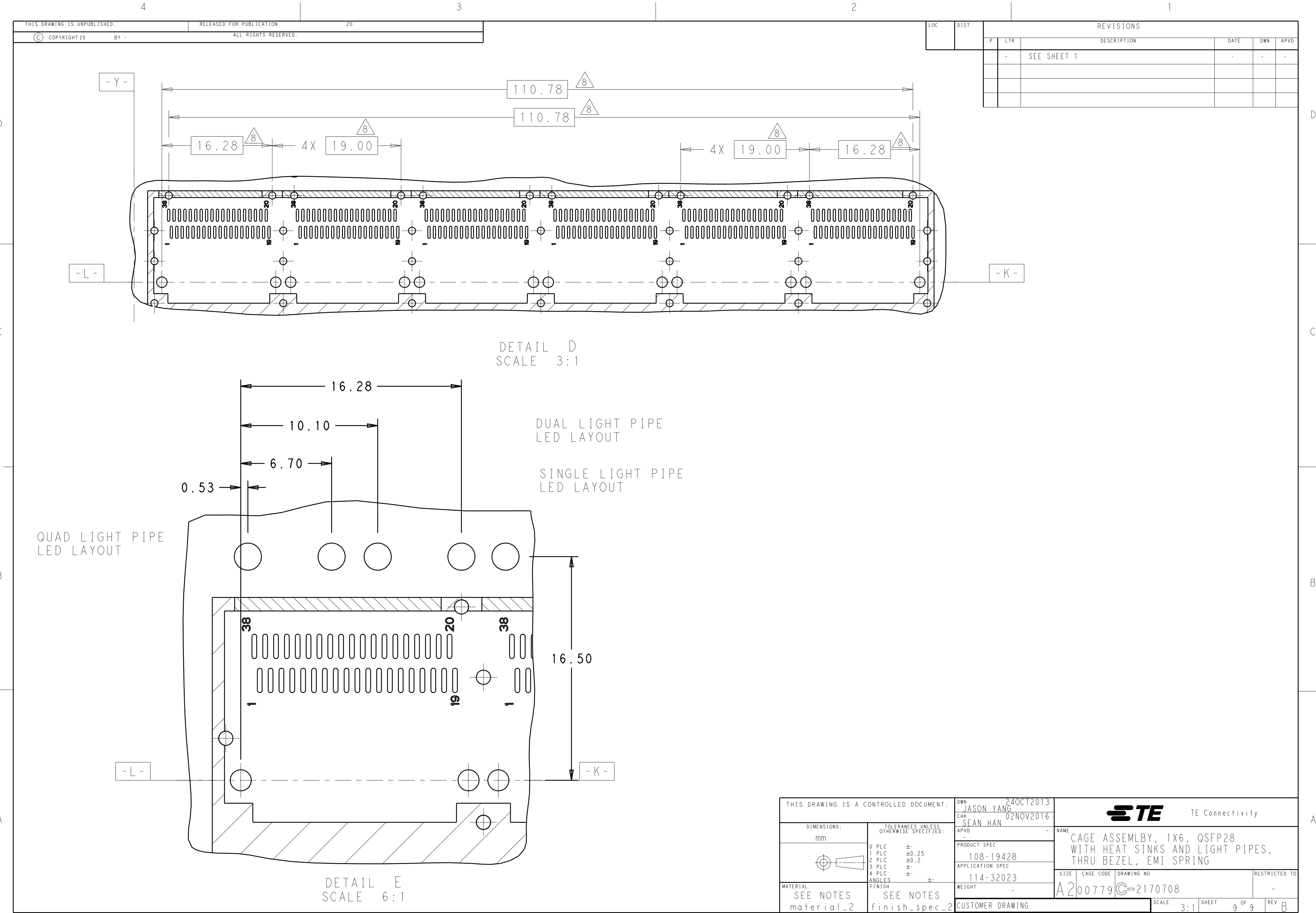
CAGE CODE 00779

DRAWING NO C-2170708

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[4-2170708-2](#)