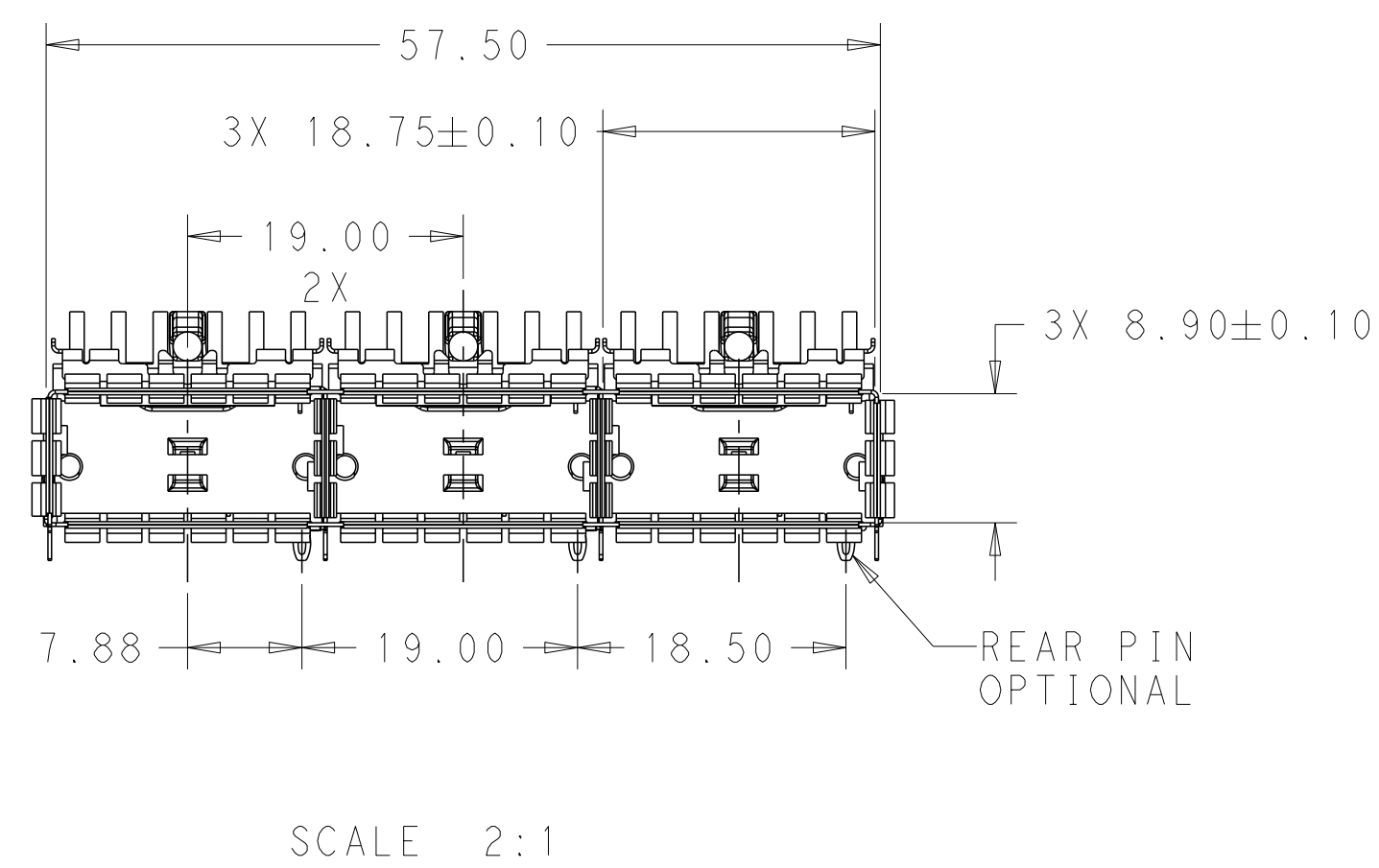
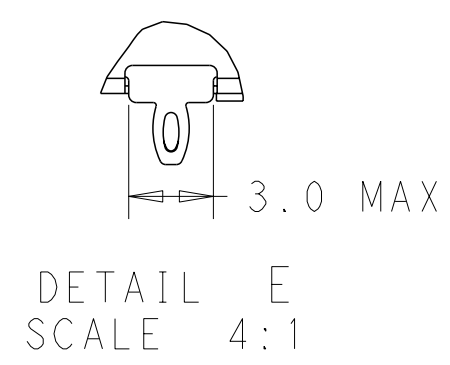
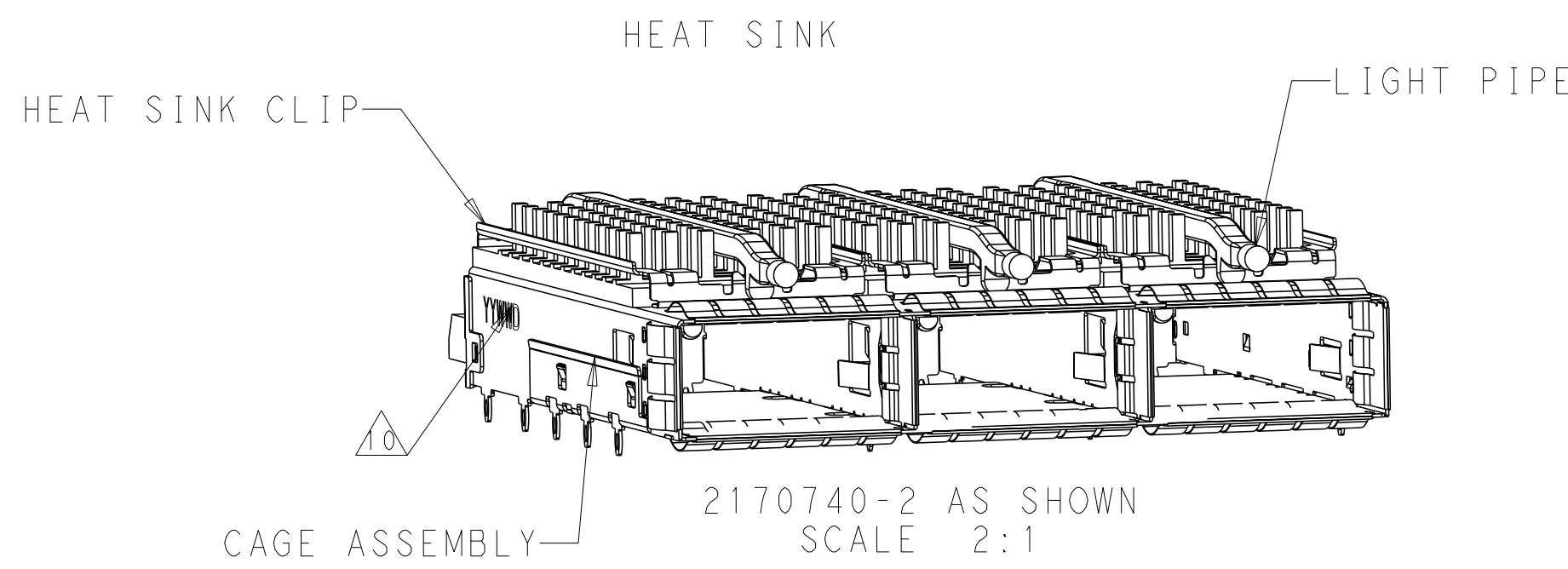


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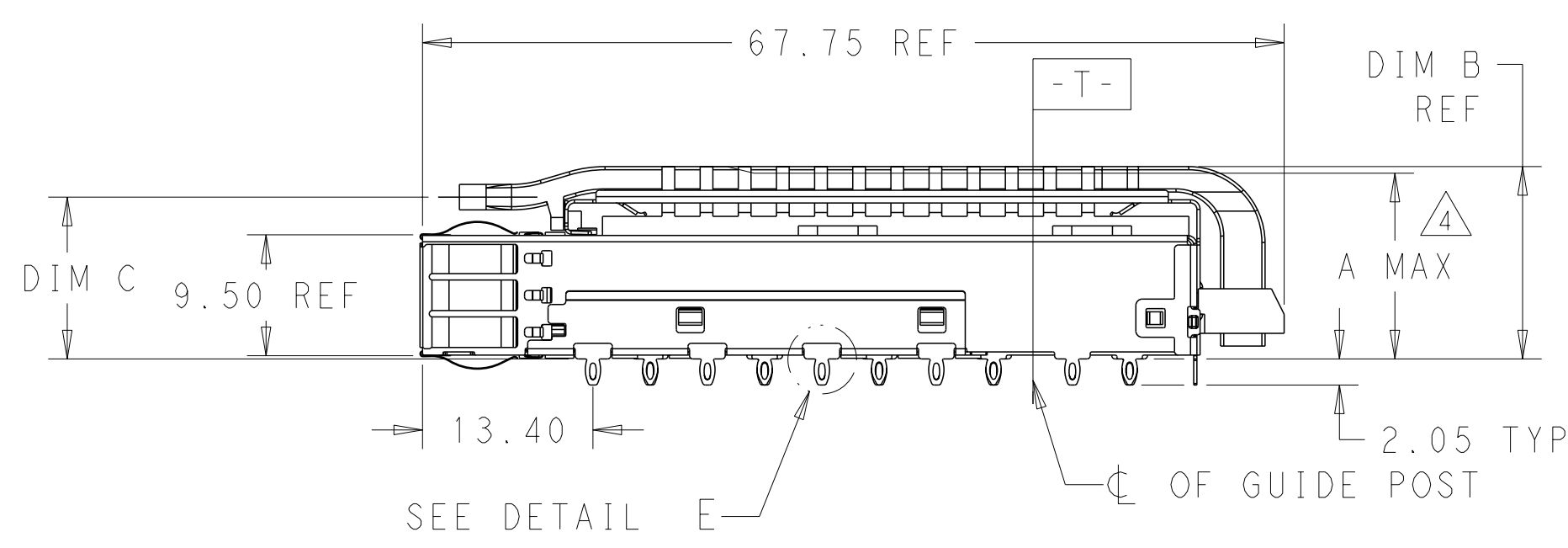
C
printed on 6 Feb 2023 09:40 (China Standard Time) from TE444218

B

A



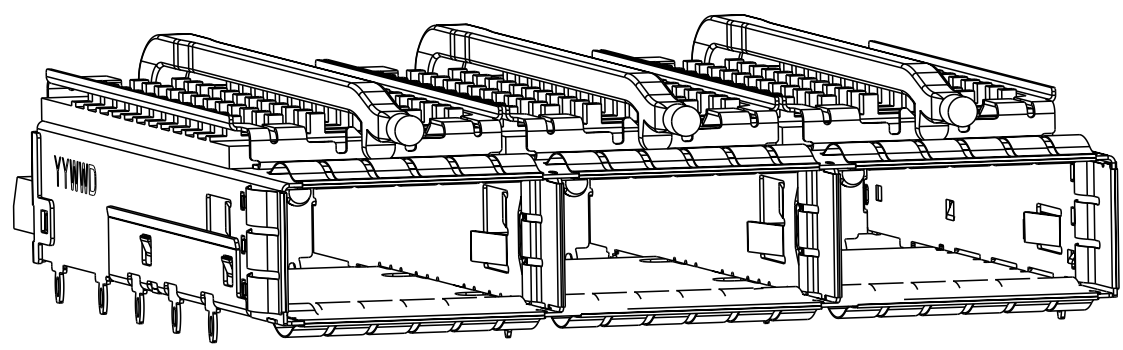
- COMPONENTS
CAGE ASSEMBLY: NICKEL-SILVER ALLOY
HEAT SINK: ALUMINUM/BLACK ANODIZE
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY/NICKEL PLATE
LIGHT PIPE: CLEAR POLYCARBONATE
ORGANIZER: POLYESTER WITH UL 94V-0
- REFERENCE APPLICATION SPECIFICATION 114-32023
FOR RECOMMENDED DRILL HOLE DIAMETER AND
PLATING THICKNESS
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER
- DIMENSION APPLIES WITH MODULE INSERTED IN CAGE
- HEAT SINKS, HEAT SINK CLIPS AND LIGHT PIPES
ARE SHIPPED ASSEMBLED ON CAGE
- MINIMUM PC BOARD THICKNESS: SINGLE SIDED: 1.57 MIN
DOUBLE SIDED: 2.20 MIN
- DATUM **-A-** IS TOP SURFACE OF THE HOST BOARD.
- THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
- MATES WITH QSFP28 MSA COMPATIBLE TRANSCEIVER.
- DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN.
- NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLY WITH LIGHT PIPE.



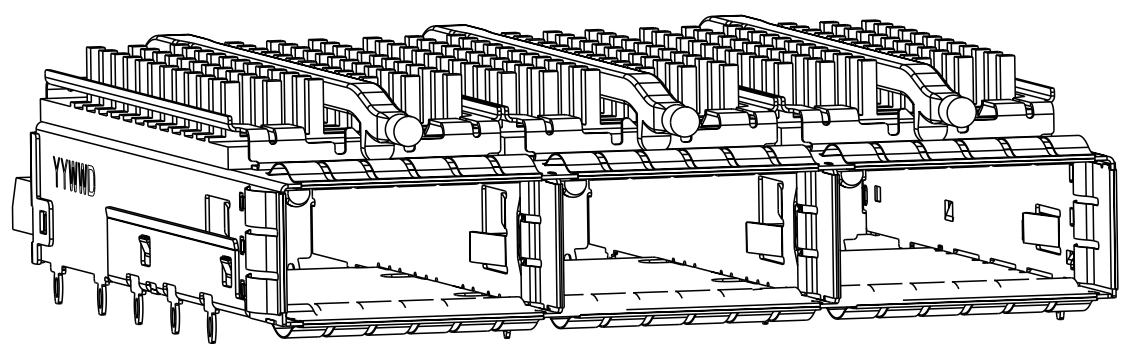
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 22APR2014	TE Connectivity		
DIMENSIONS: mm		CHK JASON YANG 22APR2014			
		APVD SEAN HAN 22FEB2016	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28		
		PRODUCT SPEC 108-19428			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-32023	SIZE A200779	CAGE CODE C-2170740	RESTRICTED TO -
MATERIAL SEE NOTES		WEIGHT -	SCALE 1:1 SHEET 1 OF 9 REV A6		
SEE NOTES		CUSTOMER DRAWING			

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

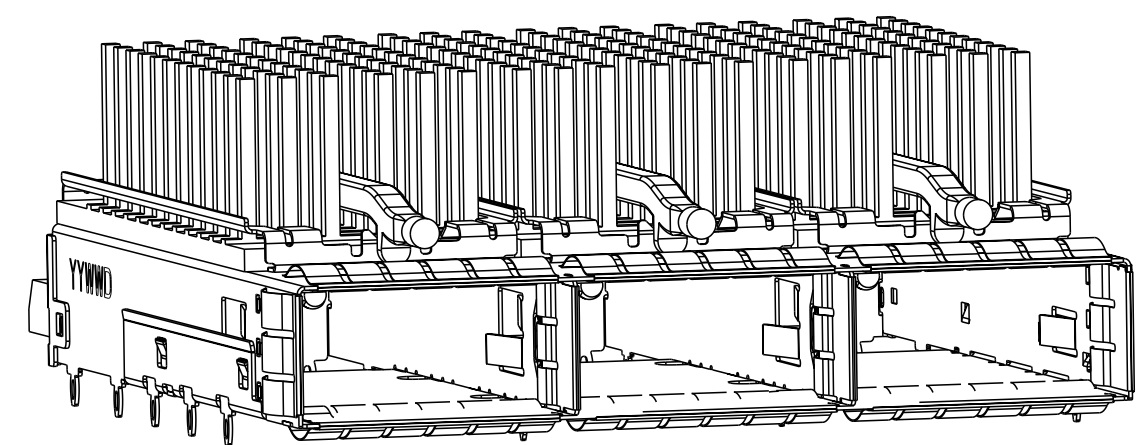
HEAT SINK OPTION



PCI HEAT SINK
SCALE 2:1

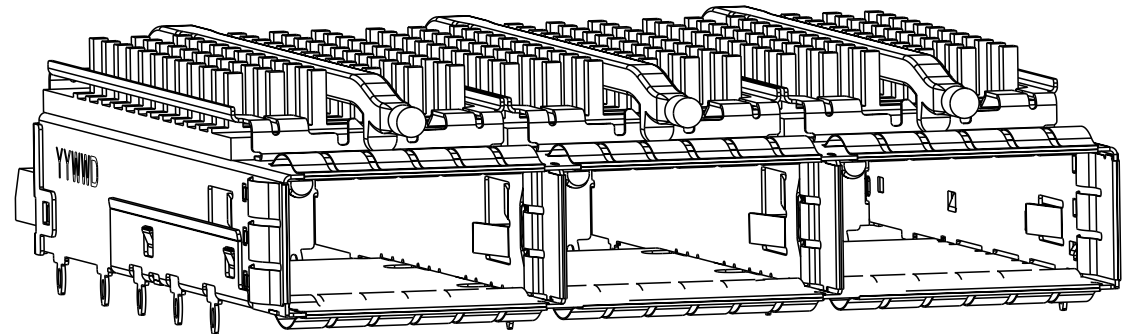


SAN HEAT SINK
SCALE 2:1

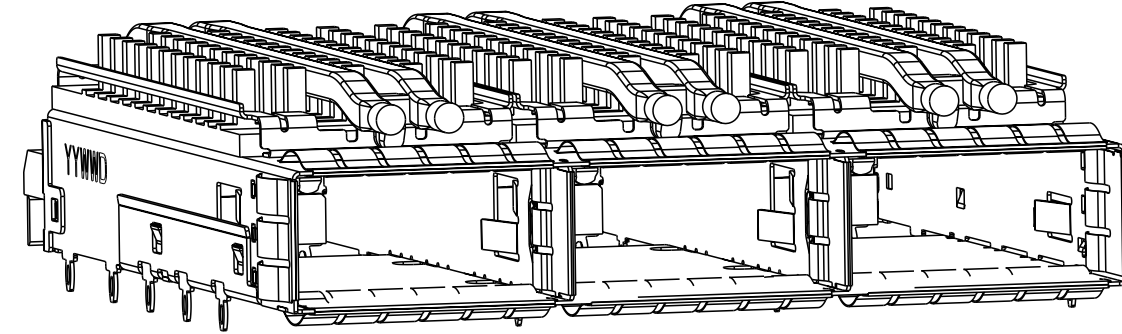


NETWORKING
SCALE 2:1

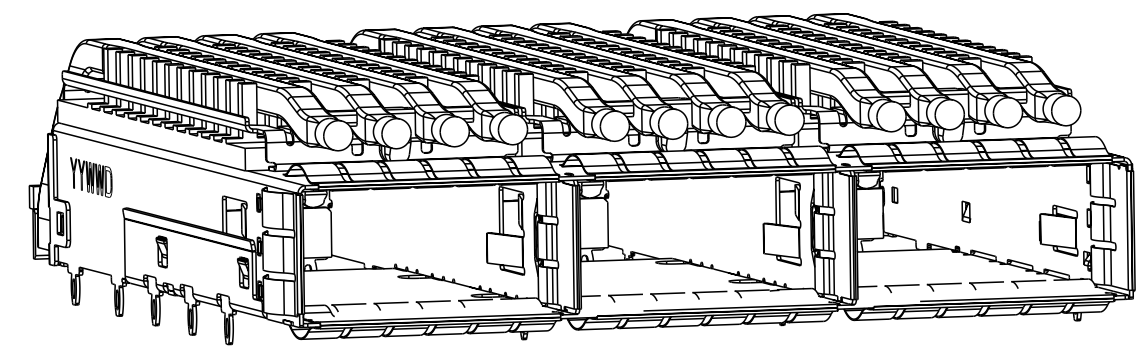
LIGHT PIPE OPTION



SINGLE LIGHT PIPE
SCALE 2:1

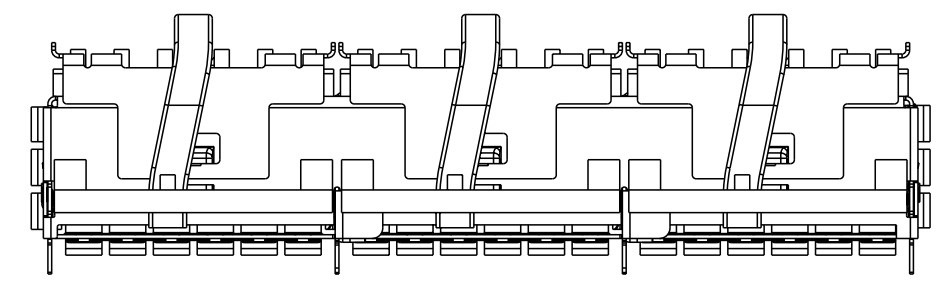


DUAL LIGHT PIPE
SCALE 2:1

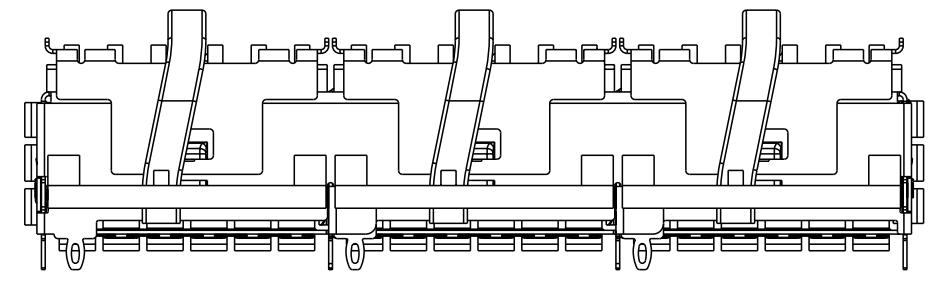


QUAD LIGHT PIPE
SCALE 2:1

OF REAR LEGS OPTIONS



0 REAR PIN
SCALE 2:1



1 REAR PIN
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL

SEE NOTES
material_2

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.25

2 PLC ±0.2

3 PLC ±-

4 PLC ±-

ANGLES ±-

FINISH

SEE NOTES
finish_spec_2

DWN BING LIU 22APR2014

CHK JASON YANG 22APR2014

APVD SEAN HAN 22FEB2016

PRODUCT SPEC

108-19428

APPLICATION SPEC

114-32023

WEIGHT

-

CUSTOMER DRAWING

TE Connectivity

NAME

RECEPTACLE CAGE ASSEMBLY
WITH HEAT SINKS AND LIGHT PIPES,
THRU BEZEL, 1X3, QSFP28

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

C-2170740

-

-

SCALE 1:1

SHEET 2 OF 9

REV A6

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4

3

2

1

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LOC

DIST

REVISIONS

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

12.71 REF	15.11 REF	16.0	1	SAN	COATED QUAD LP	5-2170740-2
		13.7	1	PCI	COATED QUAD LP	5-2170740-1
		14.9	1	CUSTOMIZED	QUAD LP	4-2170740-7
		23.0	0	NETWORKING	QUAD LP	4-2170740-6
		16.0	0	SAN	QUAD LP	4-2170740-5
		13.7	0	PCI	QUAD LP	4-2170740-4
		23.0	1	NETWORKING	QUAD LP	4-2170740-3
		16.0	1	SAN	QUAD LP	4-2170740-2
		13.7	1	PCI	QUAD LP	4-2170740-1
12.25 REF	14.11 REF	13.7	1	PCI	SINGLE LP	3-2170740-1
12.71 REF	15.11 REF	23.0	0	NETWORKING	DUAL LP	2-2170740-6
		16.0	0	SAN	DUAL LP	2-2170740-5
		13.7	0	PCI	DUAL LP	2-2170740-4
		23.0	1	NETWORKING	DUAL LP	2-2170740-3
		16.0	1	SAN	DUAL LP	2-2170740-2
		13.7	1	PCI	DUAL LP	2-2170740-1
		16.0	1	SAN	N/A	1-2170740-2
		14.9	1	CUTOMIZED	SINGLE LP	1-2170740-1
		23.0	0	NETWORKING	SINGLE LP	2170740-6
		16.0	0	SAN	SINGLE LP	2170740-5
		13.7	0	PCI	SINGLE LP	2170740-4
		23.0	1	NETWORKING	SINGLE LP	2170740-3
		16.0	1	SAN	SINGLE LP	2170740-2
		13.7	1	PCI	SINGLE LP	2170740-1
DIM C	DIM B	DIM A	# OF REAR PIN	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 material_2

DWN BING LIU 22APR2014

CHK JASON YANG 22APR2014

APVD SEAN HAN 22FEB2016

PRODUCT SPEC 108-19428

APPLICATION SPEC 114-32023

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME

RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A200779

©2170740

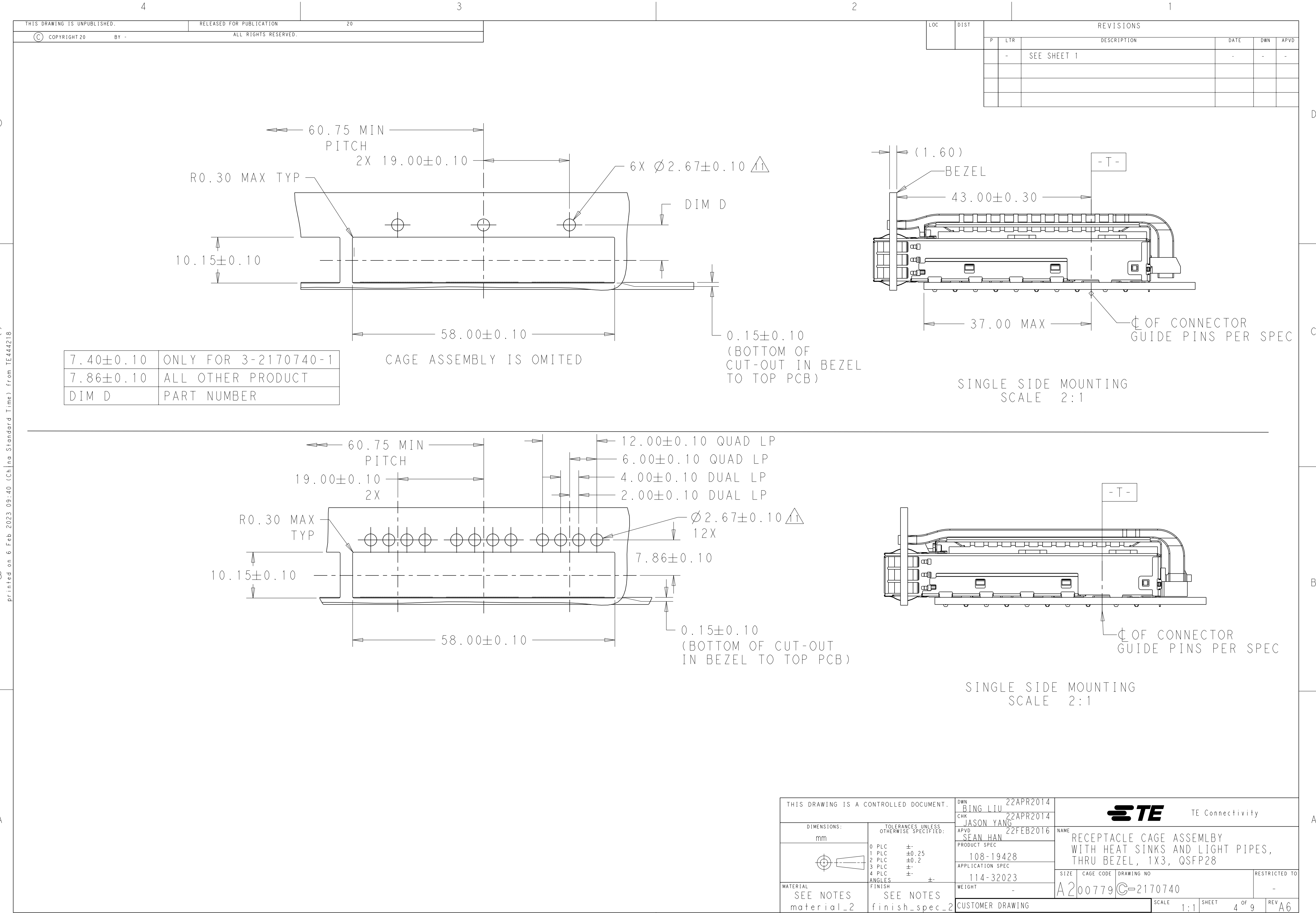
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SCALE 1:1

SHEET 3 OF 9

REV A6

1471-9 (3/11)



60.75 MIN PITCH

2X 19.00±0.10

6X Ø2.67±0.10

R0.30 MAX TYP

10.15±0.10

58.00±0.10

0.15±0.10 (BOTTOM OF CUT-OUT IN BEZEL TO TOP PCB)

CAGE ASSEMBLY IS OMITED

60.75 MIN PITCH

2X 19.00±0.10

12.00±0.10 QUAD LP

6.00±0.10 QUAD LP

4.00±0.10 DUAL LP

2.00±0.10 DUAL LP

Ø2.67±0.10 12X

7.86±0.10

58.00±0.10

0.15±0.10 (BOTTOM OF CUT-OUT IN BEZEL TO TOP PCB)

(1.60)

BEZEL

43.00±0.30

37.00 MAX

CL OF CONNECTOR GUIDE PINS PER SPEC

SINGLE SIDE MOUNTING

SCALE 2:1

(1.60)

BEZEL

43.00±0.30

37.00 MAX

CL OF CONNECTOR GUIDE PINS PER SPEC

SINGLE SIDE MOUNTING

SCALE 2:1

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DWN BING LIU 22APR2014

CHK JASON YANG 22APR2014

APVD SEAN HAN 22FEB2016

PRODUCT SPEC 108-19428

APPLICATION SPEC 114-32023

WEIGHT -

CUSTOMER DRAWING

DIMENSIONS: mm

0 PLC ±

1 PLC ±0.25

2 PLC ±0.2

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

SEE NOTES material_2

SEE NOTES finish_spec_2

NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE A2

CAGE CODE 00779

DRAWING NO C-2170740

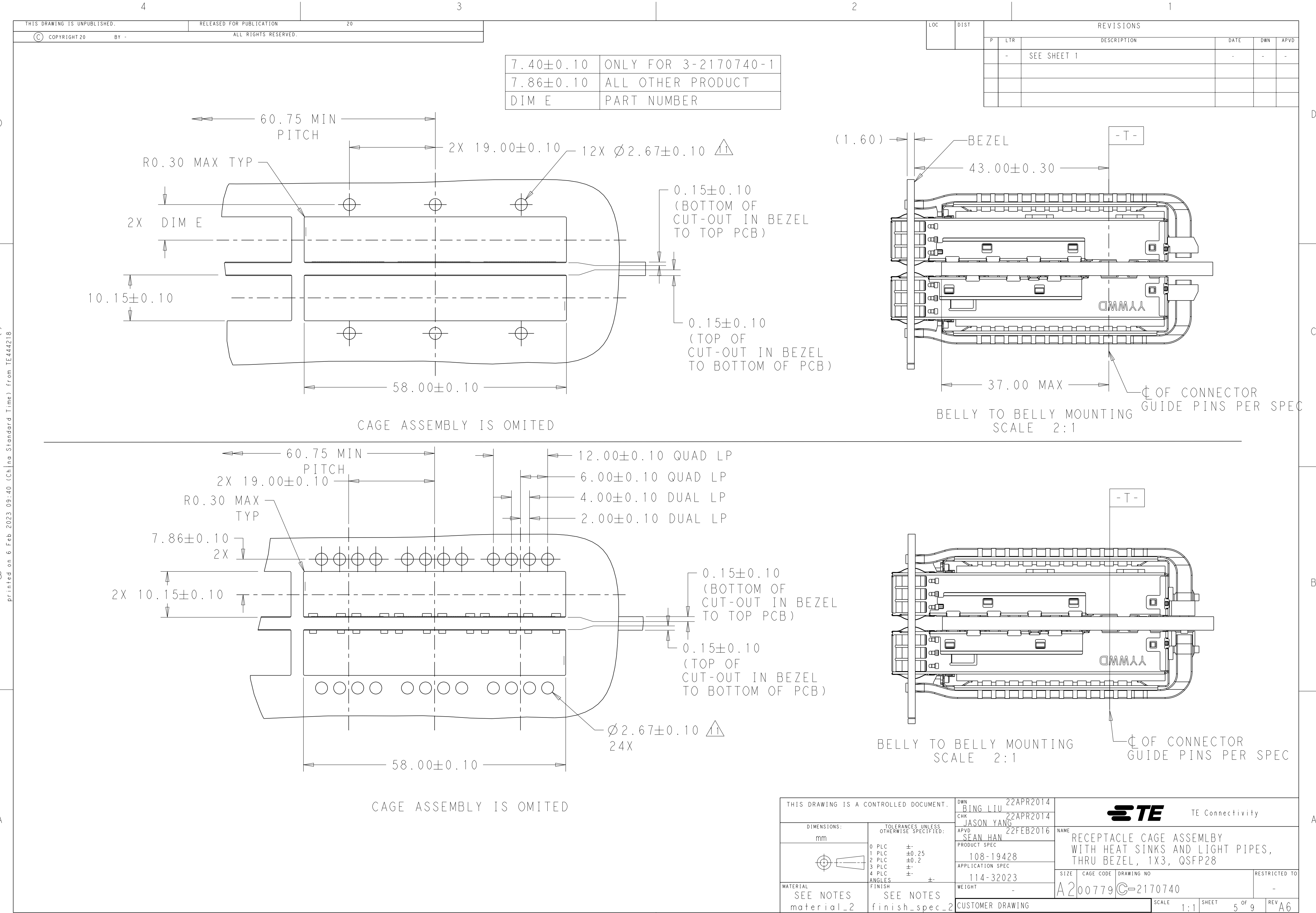
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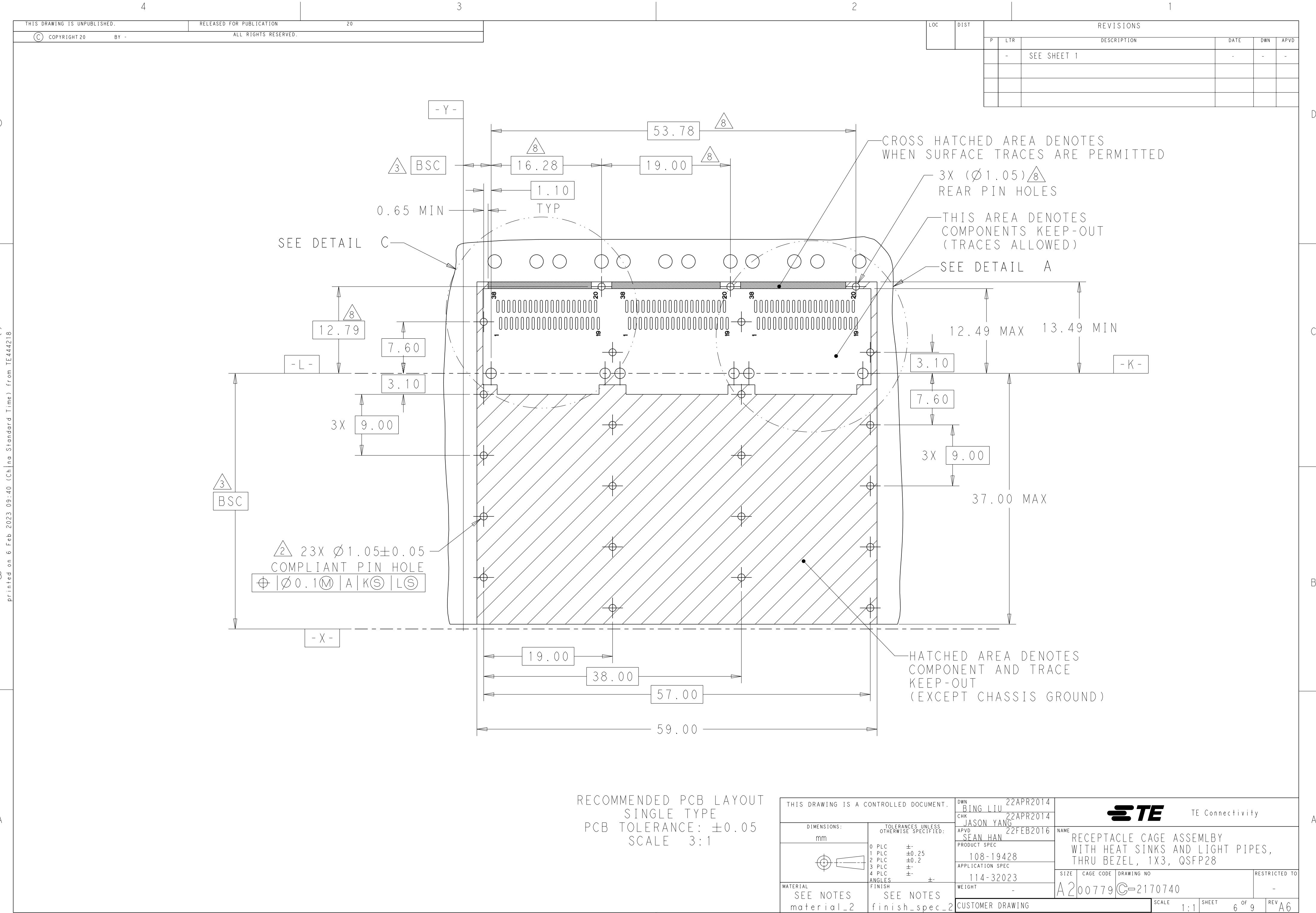
SCALE 1:1

SHEET 4 OF 9

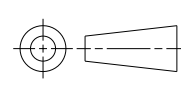
REV A6

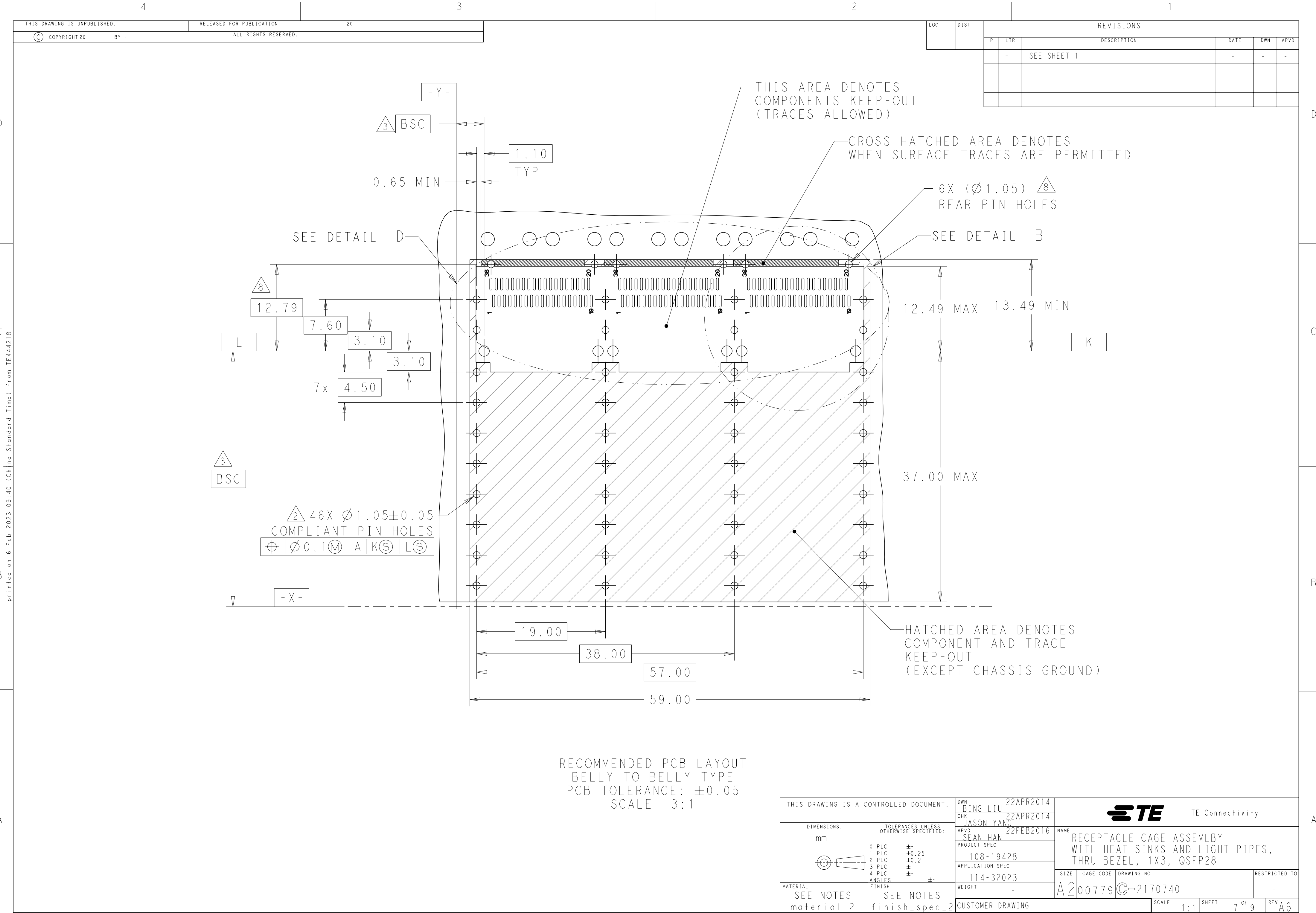
1471-9 (3/11)





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

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DIMENSIONS: mm		CHK JASON YANG 22APR2014				
		APVD SEAN HAN 22FEB2016	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28			
		PRODUCT SPEC 108-19428	SIZE A200779			
MATERIAL SEE NOTES material_2		APPLICATION SPEC 114-32023	CAGE CODE C=2170740		DRAWING NO A6	
FINISH SEE NOTES finish_spec_2		WEIGHT -	RESTRICTED TO -		SCALE 1:1	
CUSTOMER DRAWING		SHEET 6 OF 9		REV A6		



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P				LTR				DESCRIPTION				DATE			
								SEE SHEET 1							

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN				22APR2014				BING LIU			
DIMENSIONS:				CHK				22APR2014				JASON YANG			
mm				APVD				22FEB2016				SEAN HAN			
				PRODUCT SPEC				108-19428				APPLICATION SPEC			
				114-32023				WEIGHT				-			
MATERIAL				FINISH				SEE NOTES				finish_spec_2			
SEE NOTES				material_2				CUSTOMER DRAWING				SCALE			
				1:1				SHEET				7 OF 9			
								REV				A6			

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REVISIONS

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LTR

DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1

THIS AREA DENOTES COMPONENTS KEEP-OUT (TRACES ALLOWED)

CROSS HATCHED AREA DENOTES WHEN SURFACE TRACES ARE PERMITTED

6X (Ø1.05) REAR PIN HOLES

SEE DETAIL B

12.49 MAX 13.49 MIN

37.00 MAX

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

19.00

38.00

57.00

59.00

RECOMMENDED PCB LAYOUT

BELLY TO BELLY TYPE

PCB TOLERANCE: ±0.05

SCALE 3:1

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DWN

BING LIU

22APR2014

CHK

JASON YANG

22APR2014

APVD

SEAN HAN

22FEB2016

PRODUCT SPEC

108-19428

APPLICATION SPEC

114-32023

WEIGHT

-

SEE NOTES

material_2

SEE NOTES

finish_spec_2

CUSTOMER DRAWING

SCALE

1:1

SHEET

7 OF 9

REV

A6

TE Connectivity

RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28

SIZE

CAGE CODE

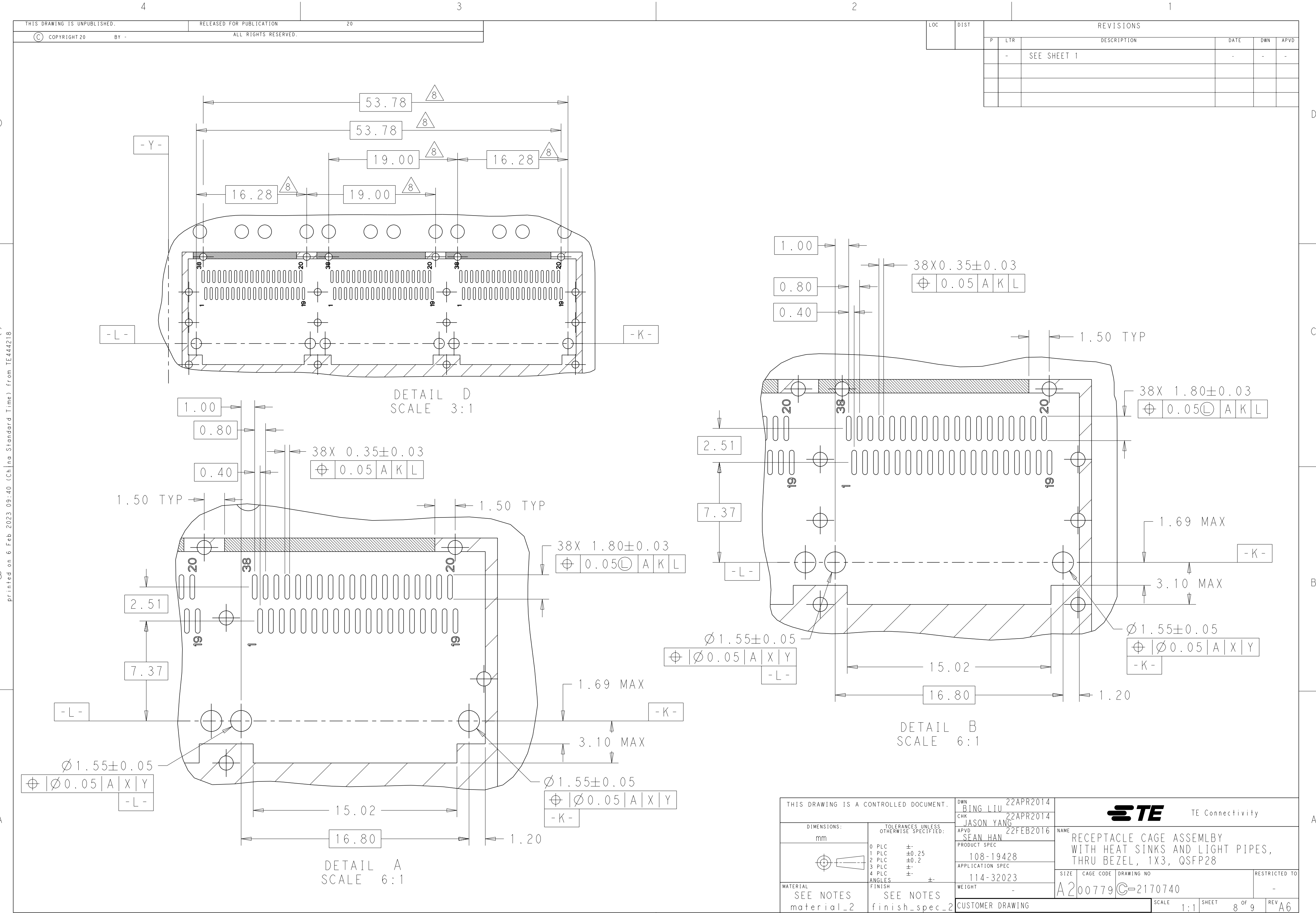
DRAWING NO

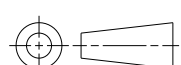
RESTRICTED TO

A200779

C=2170740

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DIMENSIONS: mm		CHK JASON YANG 22APR2014			
		APVD SEAN HAN 22FEB2016	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28		
		PRODUCT SPEC 108-19428	SIZE A200779	CAGE CODE C=2170740	RESTRICTED TO -
MATERIAL SEE NOTES material_2		APPLICATION SPEC 114-32023	DRAWING NO A200779		
FINISH SEE NOTES finish_spec_2		WEIGHT -	CUSTOMER DRAWING		
		SCALE 1:1		SHEET 8 OF 9	REV A6

D

D

C

C

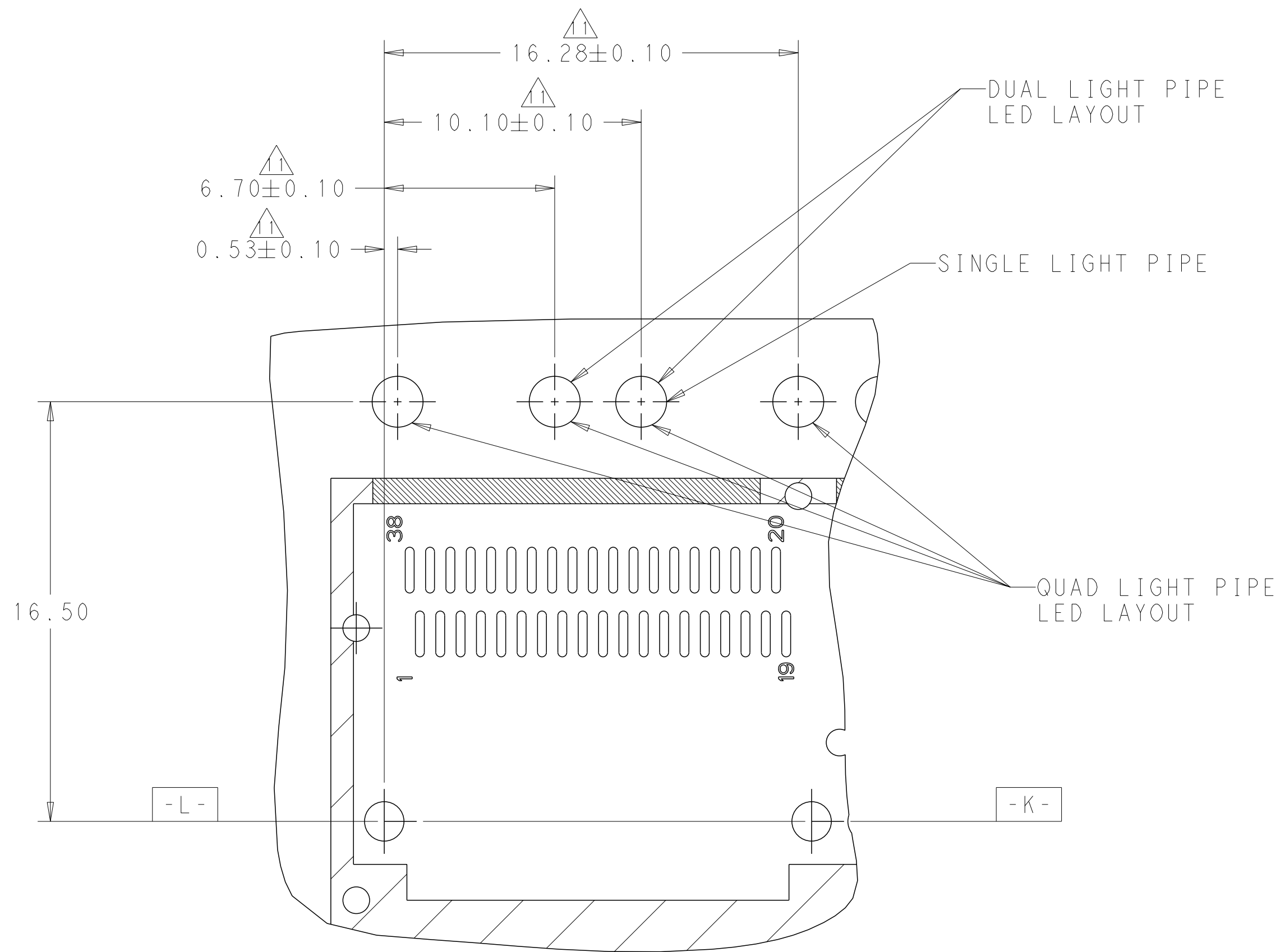
B

B

A

A

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DETAIL C
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BING LIU 22APR2014	TE Connectivity	
DIMENSIONS: mm		CHK JASON YANG 22APR2014		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.2 3 PLC ± 4 PLC ± ANGLES ±		APVD SEAN HAN 22FEB2016	NAME RECEPTACLE CAGE ASSEMBLY WITH HEAT SINKS AND LIGHT PIPES, THRU BEZEL, 1X3, QSFP28	
MATERIAL SEE NOTES material_2		PRODUCT SPEC 108-19428	SIZE A200779	CAGE CODE C-2170740
FINISH SEE NOTES finish_spec_2		APPLICATION SPEC 114-32023	DRAWING NO C-2170740	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 1:1	SHEET 9 OF 9
			REV A6	