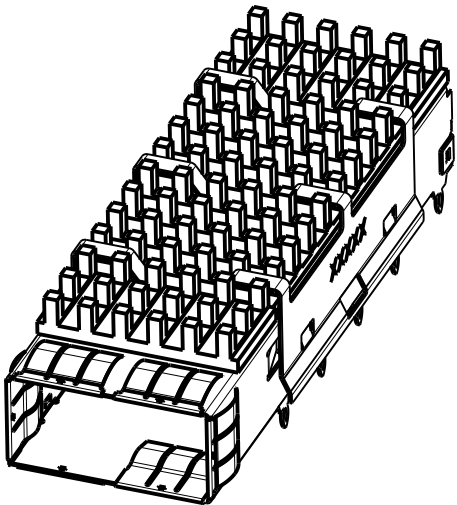
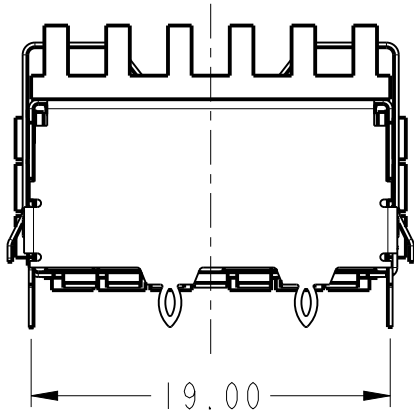
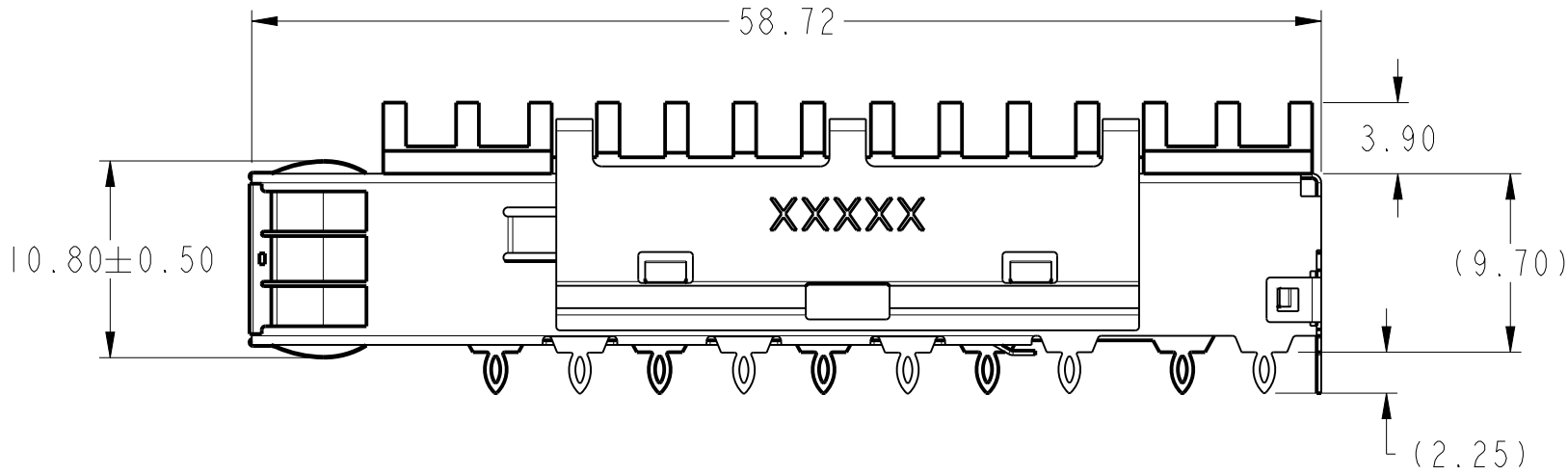
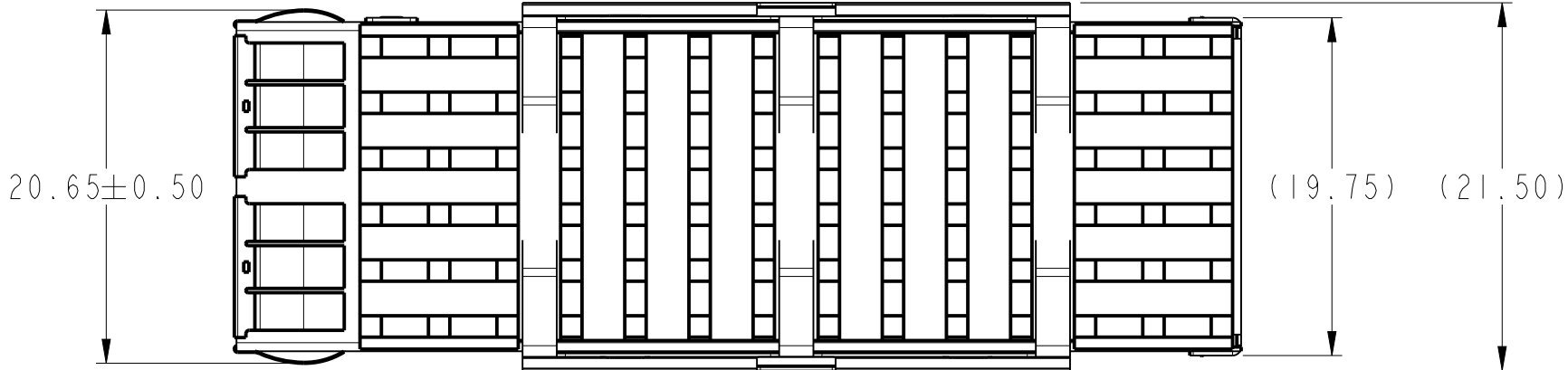
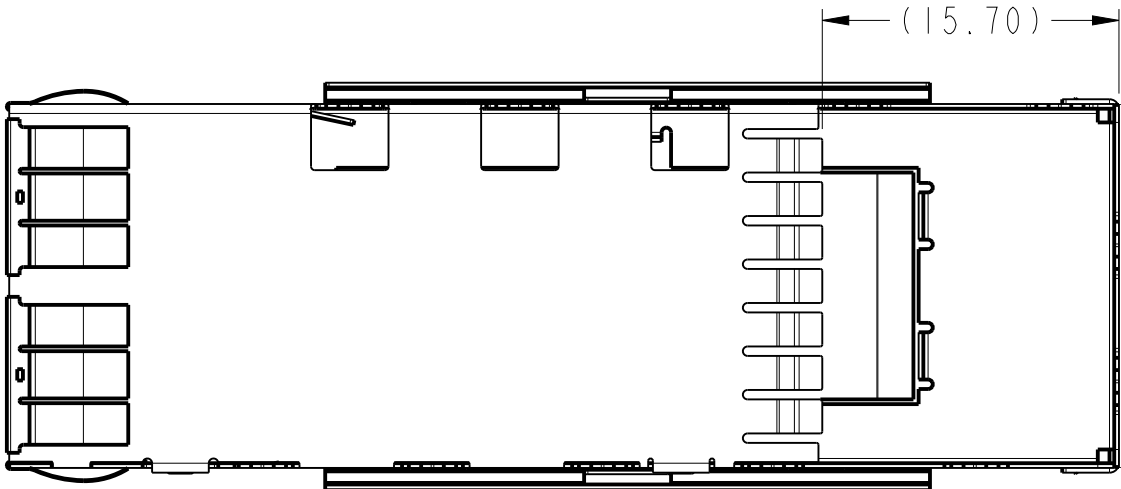


PART NUMBER	PACKAGING	TIN/LEAD
10116015-001LF	TRAY	LF: LEAD FREE

- NOTES:
- 1. MATES WITH QSFP-MSA COMPLIANT TRANSCEIVER.
 - 2. PRODUCT SPECIFICATION: GS-12-622.
 - 3. APPLICATION SPECIFICATION: GS-20-126.
 - 4. PACKAGE PER GS-14-1400 AND GS-14-920.
 - 5. QSFP CAGE, HEATSINK AND CLIP SEPERATION OR ASSEMBLY TO BE OPTIONAL.



SCALE 3:2

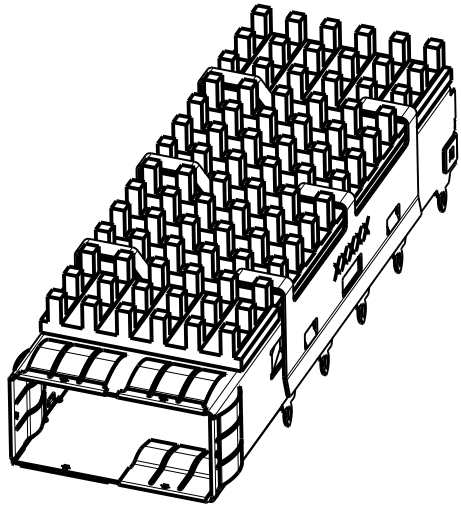
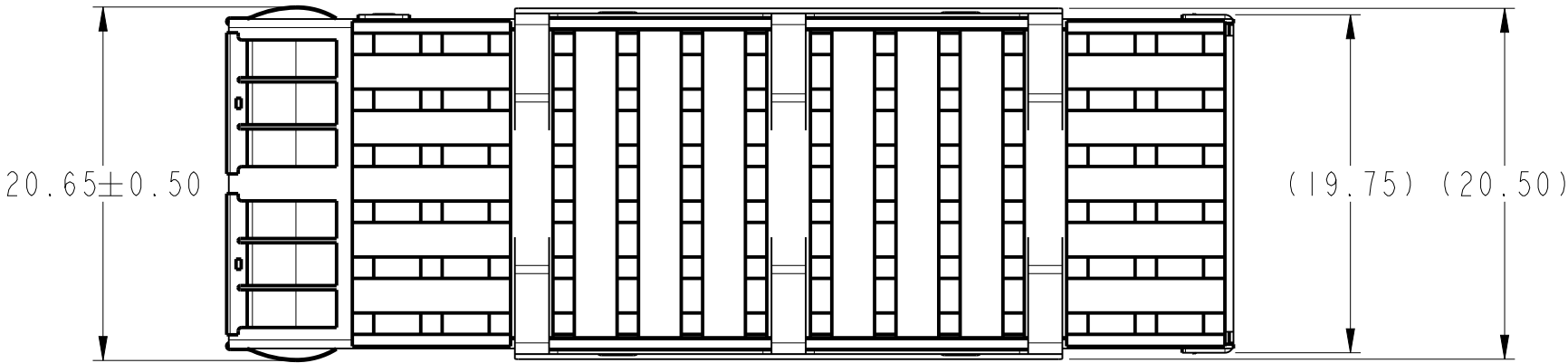


4	CLIP	COPPER ALLOY	NICKLE PLATING
3	HEAT SINK	ALUMINUM	NICKLE PLATING
2	EMI SPRING	COPPER ALLOY	TIN PLATING
1	CAGE BODY	COPPER ALLOY	NICKLE PLATING
No.	COMPONENT NAME	MATERIAL	FINISH

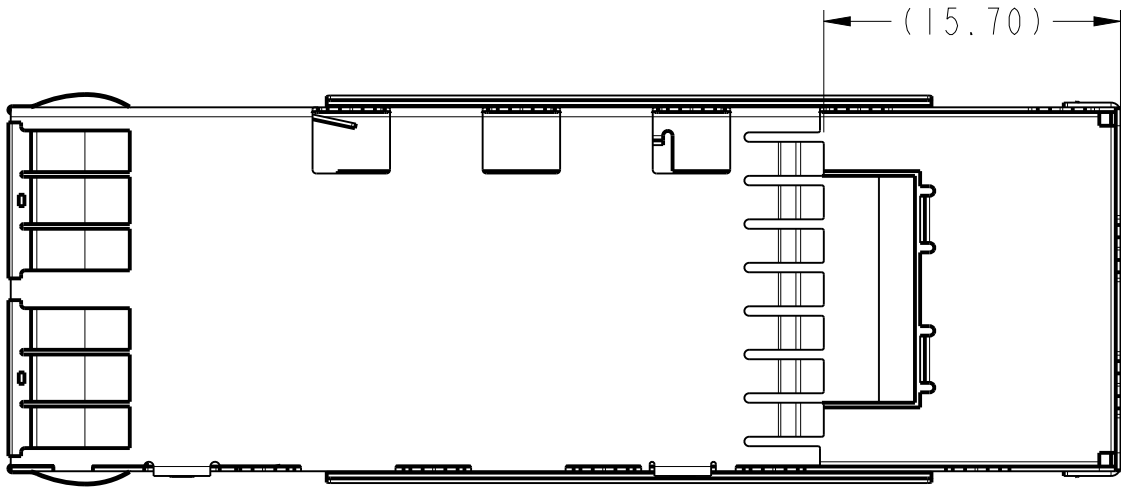
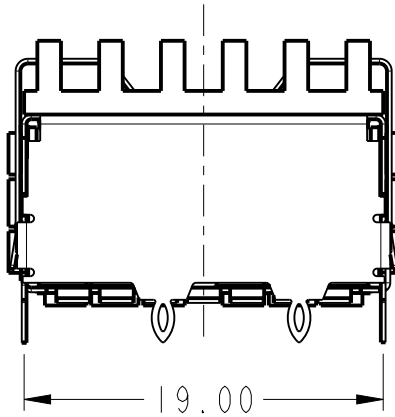
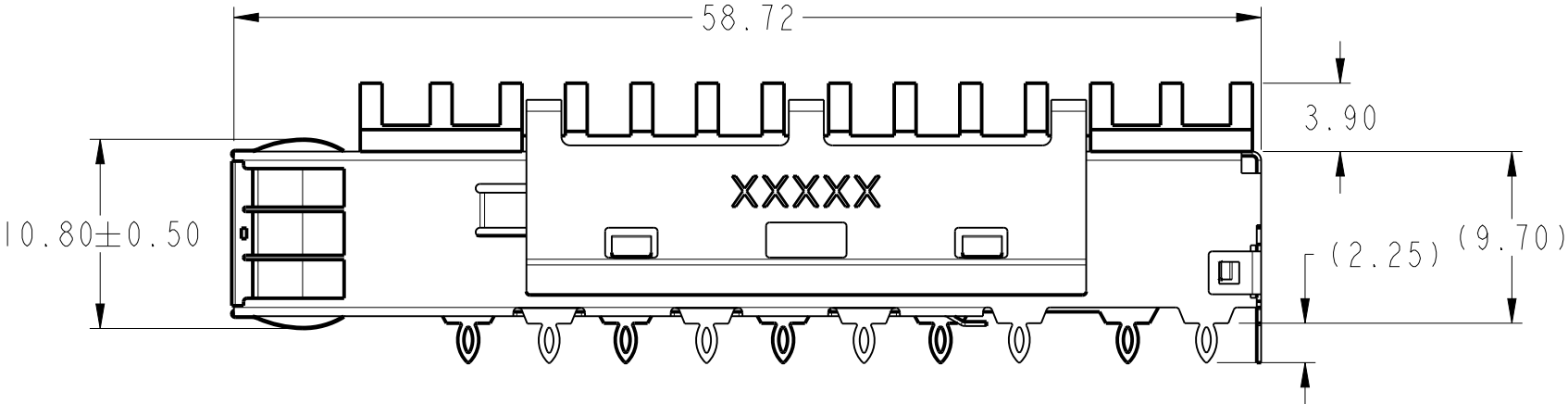
spec ref	RELEASE			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	linear	0.X	±0.50	
		0.XX	±0.25	
		0.XXX	±	
ASME Y14.5	angular	0°	±2°	

dr	LinA	2015-02-05	projection	MM	size	A3	scale	1:1			
eng	LinA	2015-02-05			ecn no						
chr					rel level						
appr	Collins Lu	2015-02-06	product family		-	Released					
		title			QSFP CAGE ASSEMBLY		dwg no		10116015	rev	C
		WITH HEATSINK AND CLIP									
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 1 of 5		

PART NUMBER	PACKAGING	TIN/LEAD
10116015-002LF	TRAY	LF: LEAD FREE



SCALE 3:2



4	CLIP	COPPER ALLOY	NICKLE PLATING
3	HEAT SINK	ALUMINUM	NICKLE PLATING
2	EMI SPRING	COPPER ALLOY	TIN PLATING
1	CAGE BODY	COPPER ALLOY	NICKLE PLATING
No.	COMPONENT NAME	MATERIAL	FINISH

spec ref	RELEASE			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			
ASME Y14.5				
surface	linear	0.X	±0.50	ASME Y14.5
✓		0.XX	±0.25	
		0.XXX	±	
	angular	0°	±2°	

dr	LinA	2015-02-05	projection	MM	size	A3	scale	1:1
eng	LinA	2015-02-05			ecn no			
chr					rel level			
appr	Collins Lu	2015-02-06	product family			Released		
		title			QSFP CAGE ASSEMBLY			rev
		WITH HEATSINK AND CLIP			dwg no			C
www.fci.com		cat. no.		Product - Customer Drw			sheet 2 of 5	

OF - K - & - L -

- 37.0 MAX.

—SEE QSFP CONNECTOR DRAWING FOR
CONNECTOR LAYOUT

22.15 MIN.

19.0

3.4

7.2	16.8	19.2	MAX.
-----	------	------	------

--	--

~ ($\cancel{\varnothing}$ 1.55)
K

AREA DENOTES OPTIONAL EMI-
GROUNDING PAD(MUST BE
CONNECTED TO CHASSIS GROUND)

~~5.44~~ MAX.

6.94 MIN.

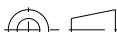
31

7.6

10.6

11.3 MIN.

PCB LAYOUT FOR SINGLE SIDED APPLICATION

spec ref		RELEASE			dr	LinA	2015-02-05	projection 	MM 	size	A3	scale	1:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	LinA	2015-02-05			ecr no			
ASME Y14.5					chr								
-					appr	Collins Lu	2015-02-06	product family		rel level Released			
surface 	linear	0.X	±0.50			title QSFP CAGE ASSEMBLY WITH HEATSINK AND CLIP			dwg no	10116015		rev C	
		0.XX	±0.25										
		0.XXX	± -										
ASME Y14.5	angular	0°	±2°		www.fci.com	cat. no.		Product - Customer Drw			sheet 3 of 5		

1

2

3

4

A

B

C

D

A

B

C

D

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

$\varnothing 1.05 \pm 0.05$ TYP.
 $\varnothing 0.10$ (M) A K L

37.0 MAX.

 $\varnothing$ OF -K- & -L- $(\varnothing 1.55)$

L

SEE QSFP CONNECTOR DRAWING FOR
CONNECTOR LAYOUT

22.15 MIN.

19.00

3.4

6.2

7.2

16.8

7.2

19.20 MAX.

1.1

A

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

AREA DENOTES OPTIONAL EMI
GROUNDING PAD (MUST BE
CONNECTED TO CHASIS GROUND)

5.44 MAX.

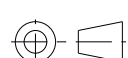
6.94 MIN.

11.3 MIN.

 $(\varnothing 1.55)$

K

PCB LAYOUT FOR BELLY TO BELLY APPLICATION

spec ref		RELEASE			dr		LinA	2015-02-05	projection		MM		size		A3	scale		1:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		LinA	2015-02-05					ecn no														
ASME Y14.5					chr																						
					appr		Collins Lu		2015-02-06		product family					rel level					Released						
surface		✓	linear		0.X		±0.50				title		QSFP CAGE ASSEMBLY					dwg no		10116015					rev		C
					0.XX		±0.25																				
					0.XXX		±																				
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw					sheet 4 of 5										

1

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A

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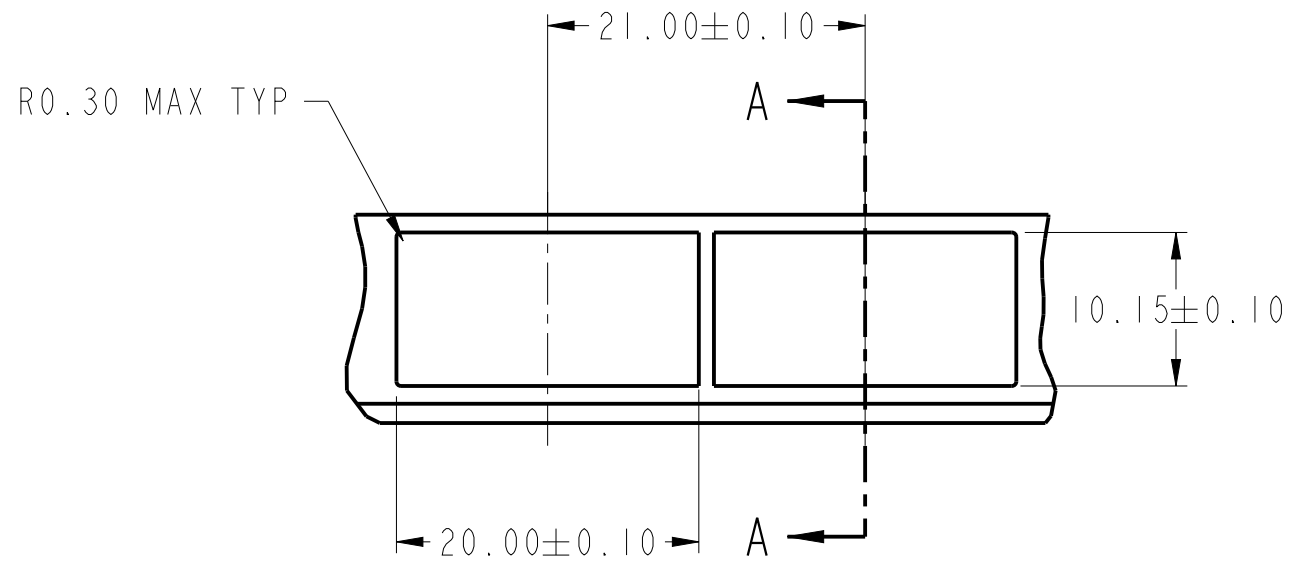
D

A

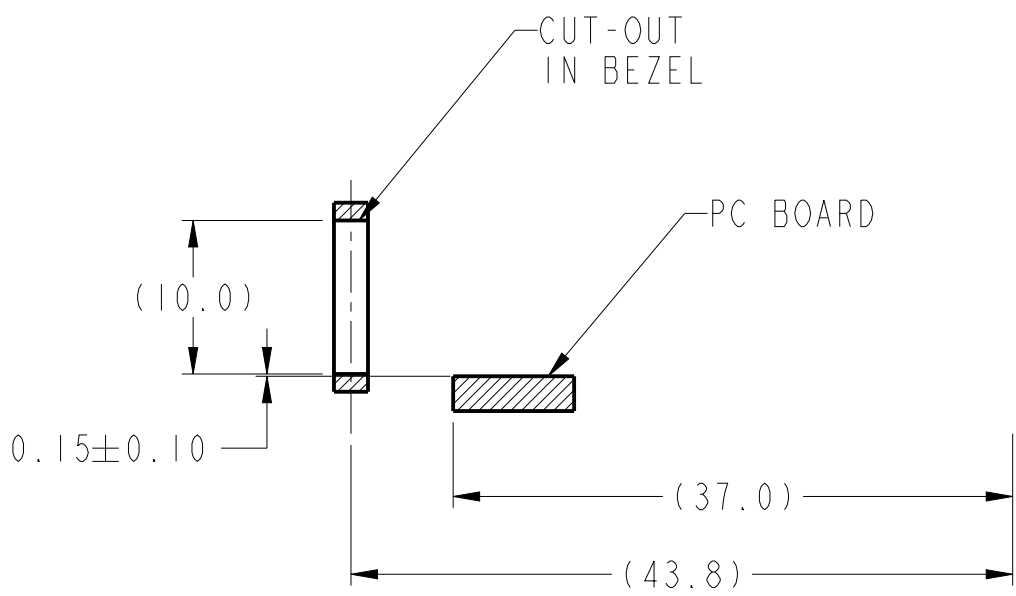
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C

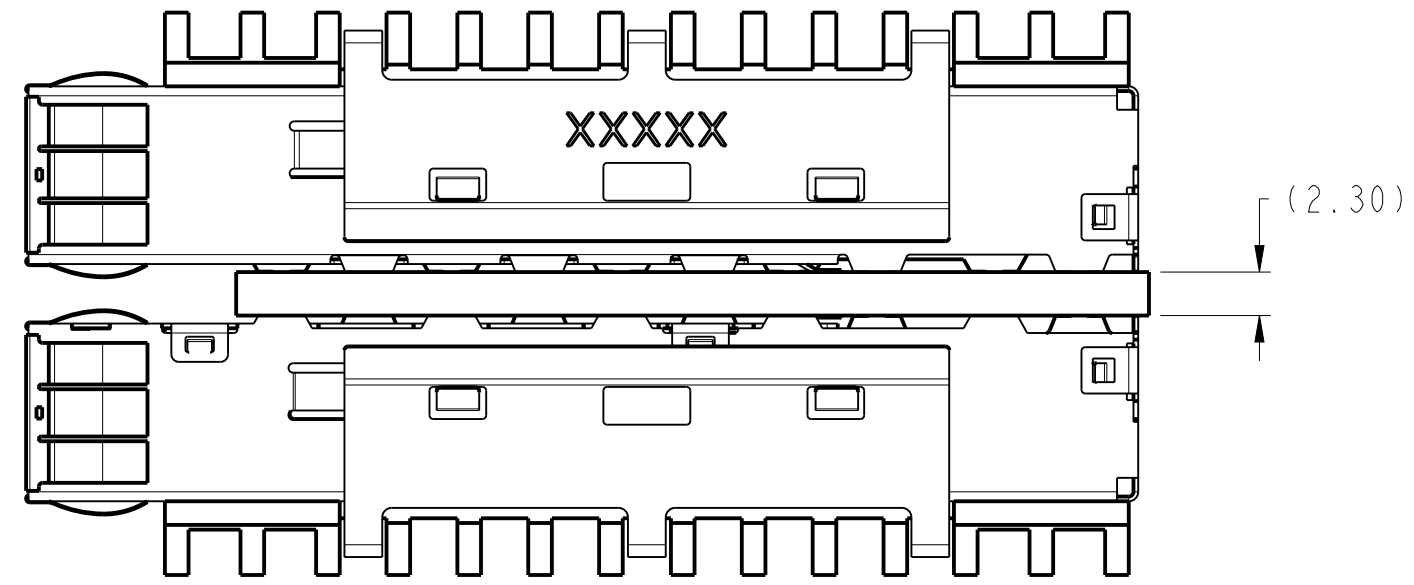
D



RECOMMENDED BEZEL DESIGN



SECTION A-A



BEZEL CUTOUT LOCATIONS FOR BELLY TO BELLY APPLICATIONS ARE DEPENDENT ON PCB THICKNESS

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FCI

spec ref		RELEASE			dr		LinA	2015-02-05	projection			MM	size		A3	scale		1:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		LinA	2015-02-05					product family		ecn no							
ASME Y14.5					chr				rel level						Released							
-					appr		Collins Lu		2015-02-06													
surface		linear		0.X	±0.50			title		QSFP CAGE ASSEMBLY						dwg no		10116015		rev		C
				0.XX	±0.25																	
				0.XXX	±-																	
ASME Y14.5		angular		0°	±2°		www.fci.com		cat. no.		Product - Customer Drw						sheet 5 of 5					

I

2

3

PDS: Rev :C

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