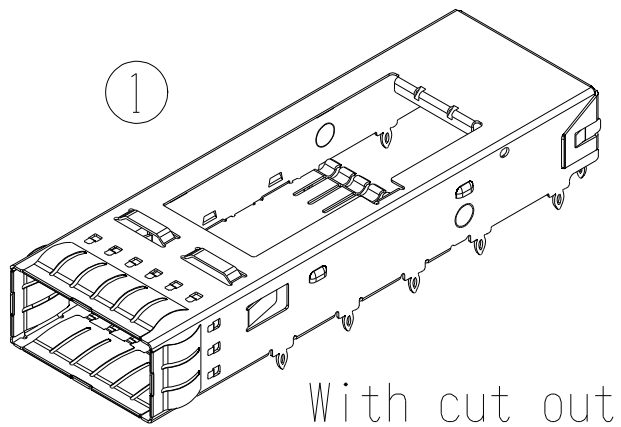
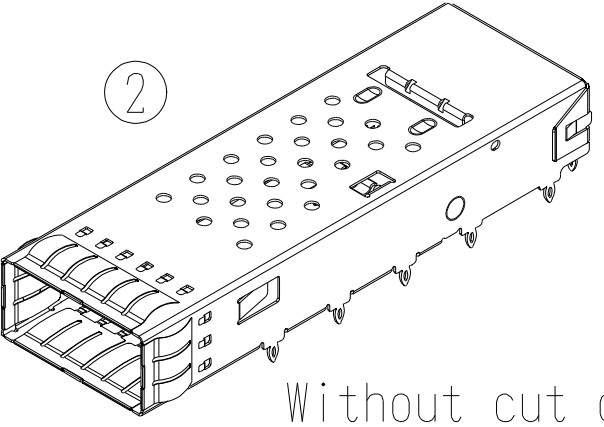


eQSFP Cage Style A

Base cage option

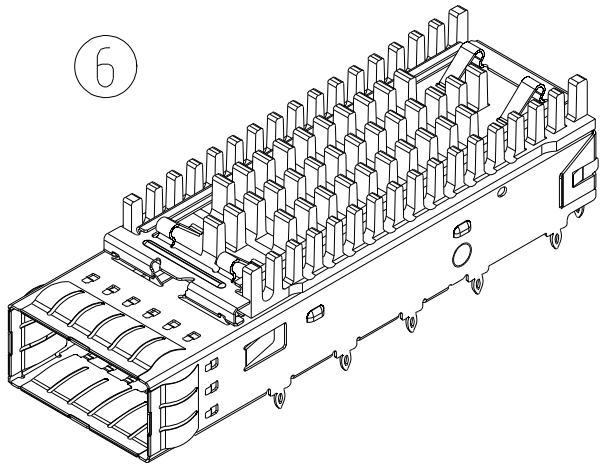
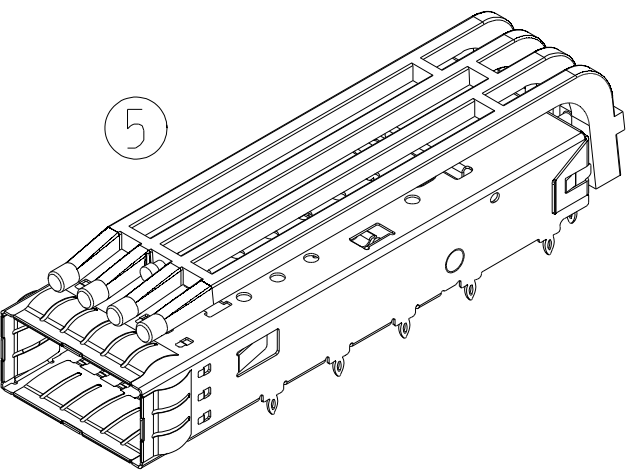
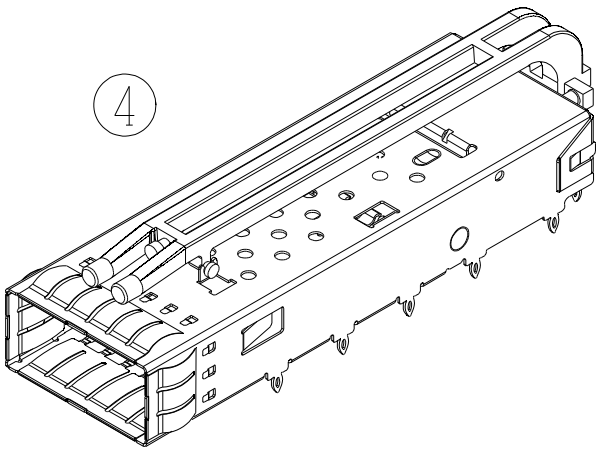
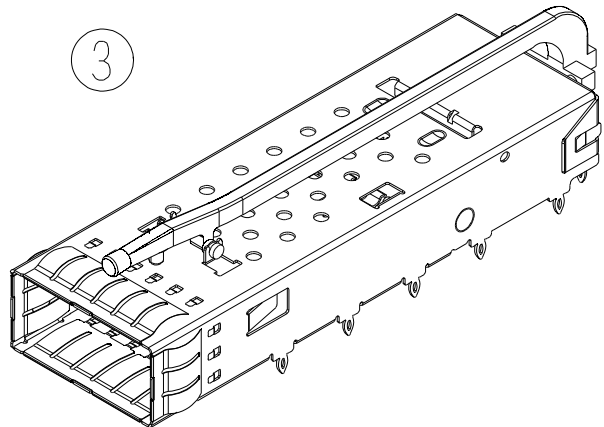


With cut out

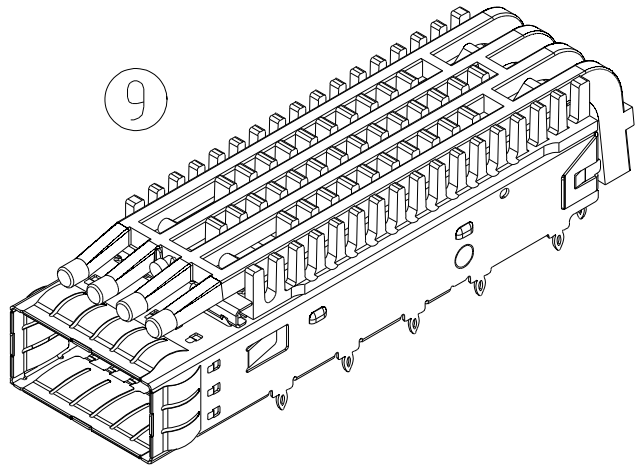
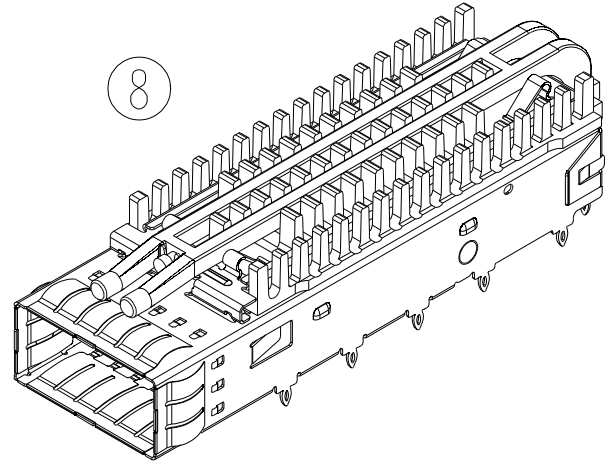
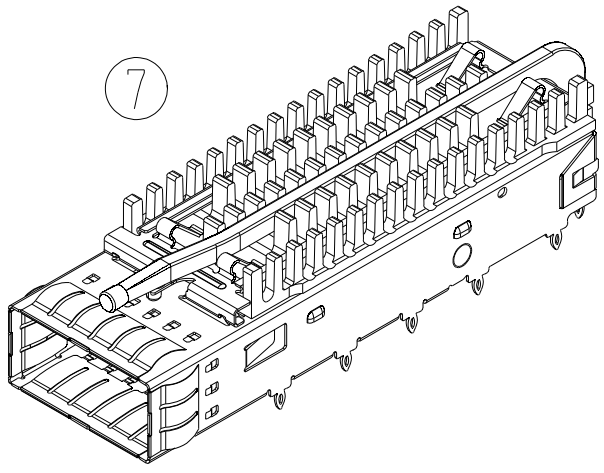


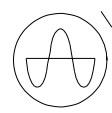

Without cut out

Light pipe option

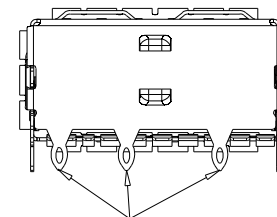
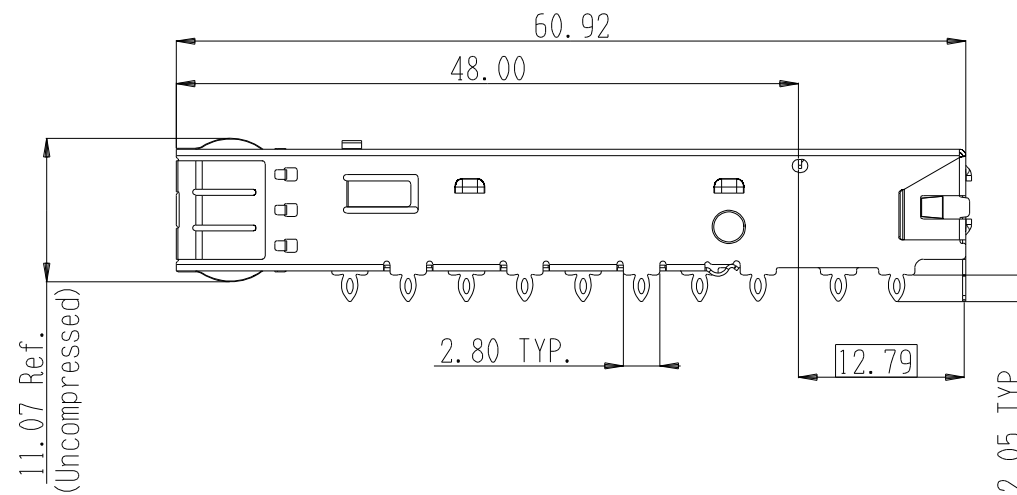
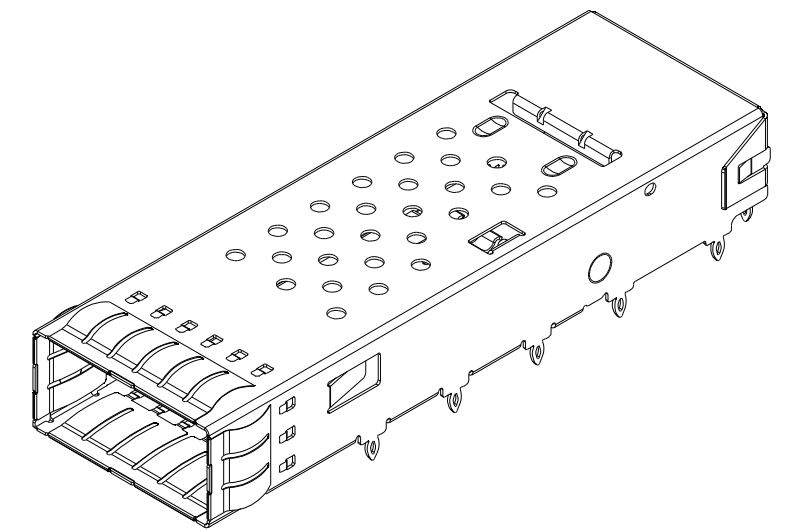
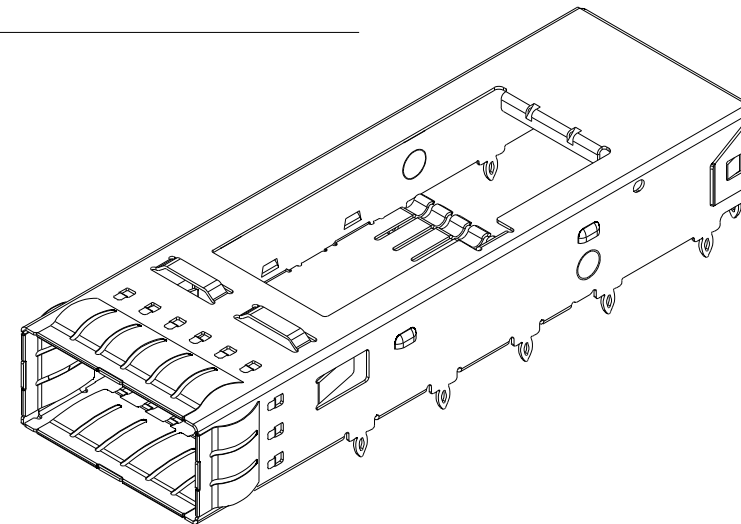
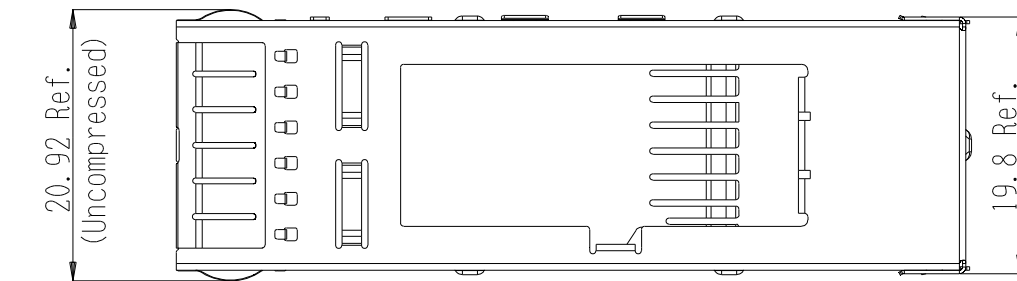


Heat sink option



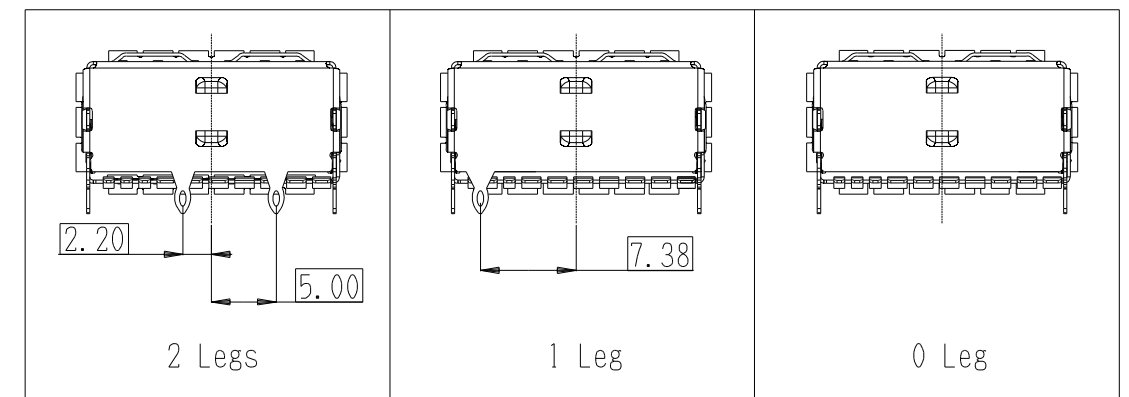
						 YAMAICHI ELECTRONICS U.S.A., INC.		
Tolerances ± 0.3 unless otherwise specified. () Reference value						(CLASS) QSFP cage style A (EMI finger type)		
SCALE	3 / 2	APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxxx-0001-A	
DIMENSION	mm		12/07/15	12/07/15	12/07/15	12/07/15	(DRW. NO.) YEU-A2996	
3RD. ANGLE PROJECTION			T. Nish	H. Takahira	O. Shimizu	O. Shimizu	Sheet No. 1 / 7	REV. A

Base dimensions



Legs are optional

Leg options

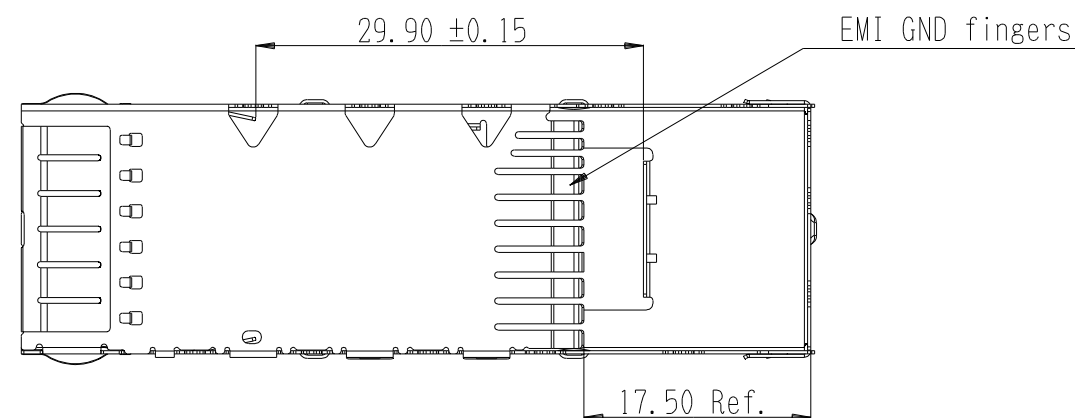


Note.


1.Materials
Base Cage : Stainless steel, t0.25
EMI finger : Stainless steel
Heatsink : Aluminum
Heatsink clip : Stainless steel
Lite pipe : Clear polycarbonate

4.Reference documents
Product specification:QSFP MSA
5.RoHS compliant

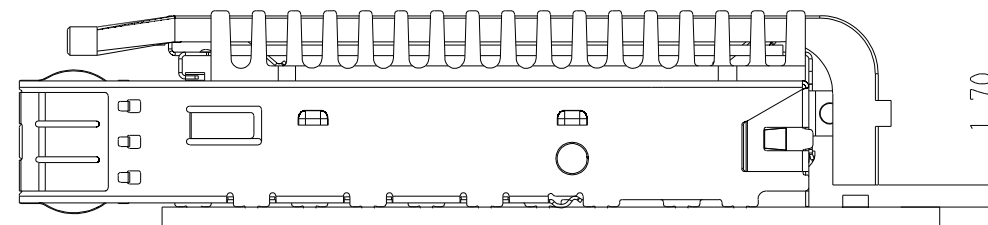
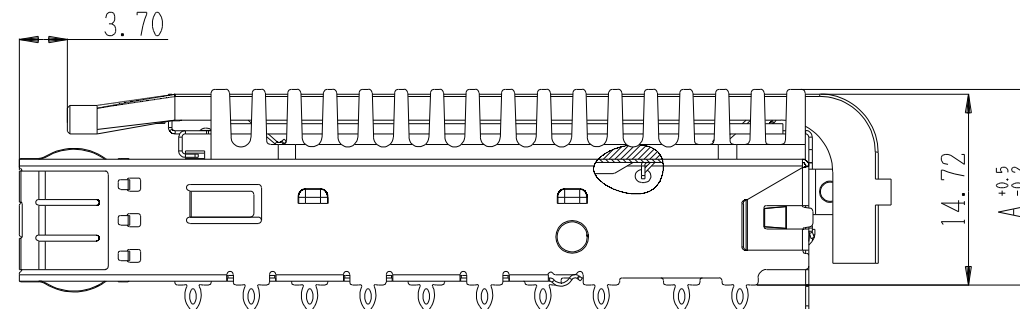
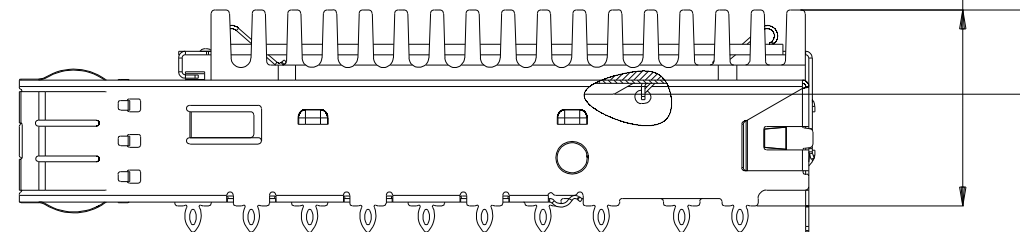
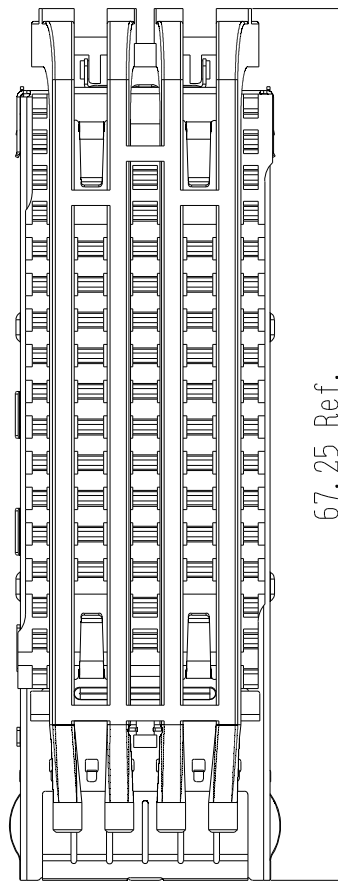
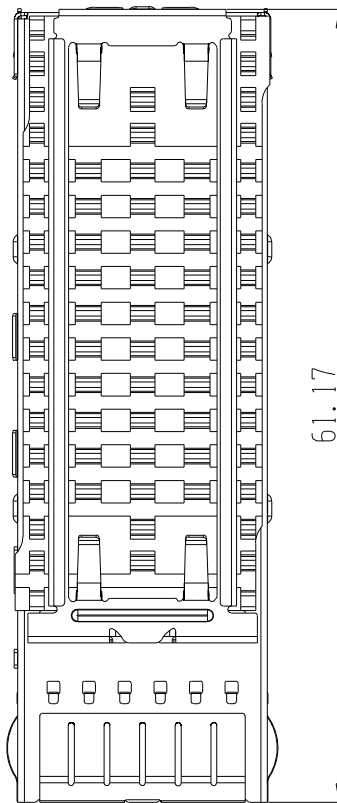
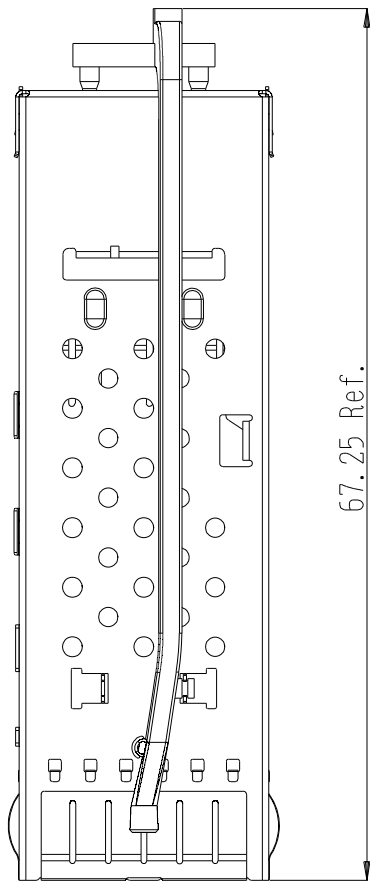
2.Surface finish
Case cage : Cleaning
EMI spring : Cleaning and hole sealing
Heat sink : Black anodized
Heatsink clip : Cleaning



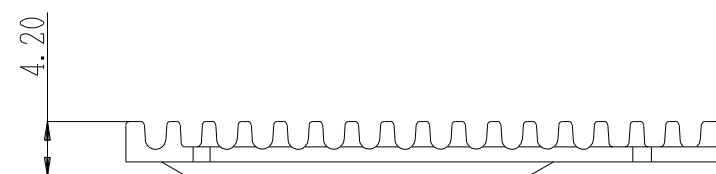
	mm
4 Place	±xx
3 Place	±0.1
2 Place	±0.2
1 Place	±0.3
Angular	X° ±2°

						<div><div></div><div>YAMAICHI ELECTRONICS U.S.A., INC.</div></div>		
Tolerances±0.3 unless otherwise specified. () Reference value						(CLASS) QSFP cage style A (EMI finger type)		
SCALE 3 / 2 mm		APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxxx-0001-A	
DIMENSION		<div><div></div><div></div><div></div></div>	12/07/15	12/07/15	12/07/15	12/07/15	(DRW. NO.) YEU-A2996	
3RD ANGLE PROJECTION			T. Nish	H. Takahira	O. Shimizu	O. Shimizu	Sheet No. 2 / 7 REV. A	

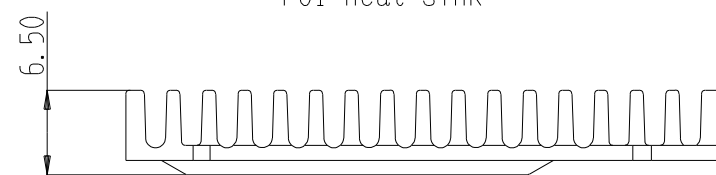
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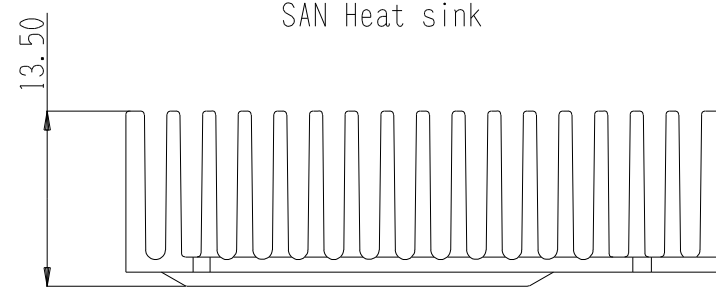
(A) $\begin{smallmatrix} +0.5 \\ -0.2 \end{smallmatrix}$
Heat Sink height



PCI Heat sink



SAN Heat sink



NET Heat sink

Overall Heat Sink Height	Dim. A
PCI	12.8
SAN	15.1
NET	22.1

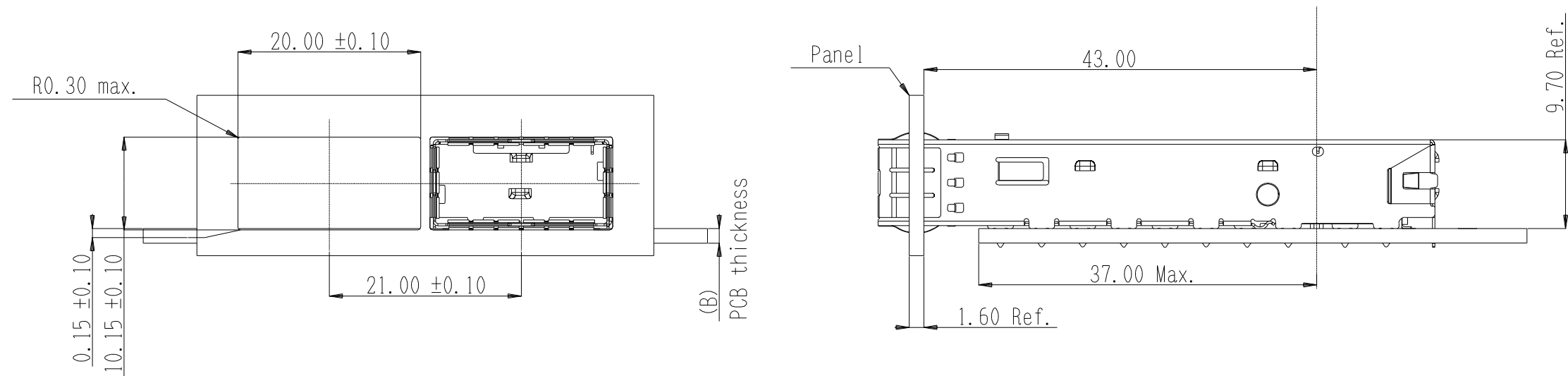
Note. Dimension A appliys before
module insertion into the cage.

	mm
4 Place	$\pm xx$
3 Place	± 0.1
2 Place	± 0.2
1 Place	± 0.3
Angular	$X^{\circ} \pm 2^{\circ}$

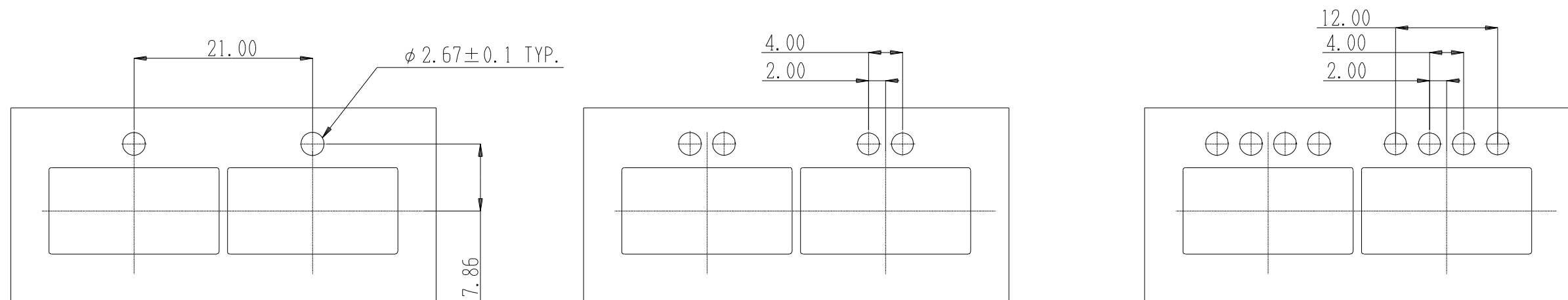
Tolerances ± 0.3 unless otherwise specified. () Reference value						YAMAICHI ELECTRONICS U.S.A., INC.		
						(CLASS) QSFP cage style A (EMI finger type)		
SCALE 3 / 2 mm	APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxxx-0001-A		
DIMENSION		12/07/15	12/07/15	12/07/15	12/07/15	(DRW. NO.) YEU-A2996		
3RD. ANGLE PROJECTION		T. Nish	H. Takahira	O. Shimizu	O. Shimizu	Sheet No. 3 / 7	REV. A	

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Panel and board position




Cut out dimension of Panel for Light pipe



Note.
B : PCB thickness
Side to Side : PC board thickness 1.6mm min.
Belly to Belly : PC board thickness 2.2mm min.

	mm
4 Place	±xx
3 Place	±0.1
2 Place	±0.2
1 Place	±0.3
Angular	X° ±2°

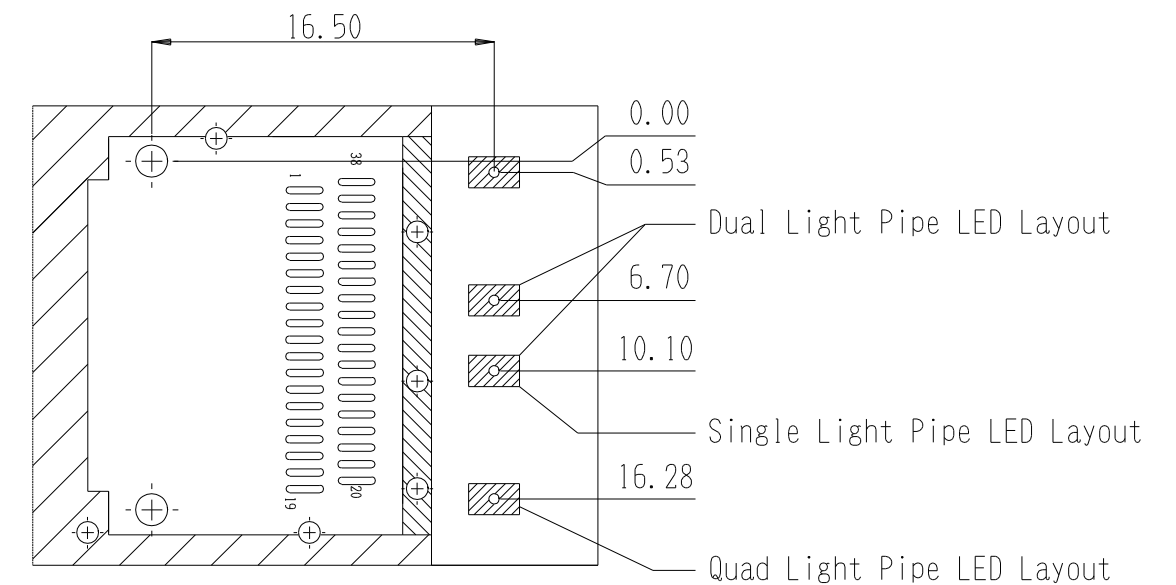
						<div><div></div><div>YAMAICHI ELECTRONICS U.S.A.. INC.</div></div>		
Tolerances±0.3 unless otherwise specified. () Reference value						(CLASS) QSFP cage style A (EMI finger type)		
SCALE 3 / 2 mm		APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxxx-0001-A	
DIMENSION		<div><div></div><div></div></div>	12/07/15	12/07/15	12/07/15	12/07/15	(DRW. NO.) YEU-A2996	
3RD. ANGLE PROJECTION			T. Nish	H. Takahira	O. Shimizu	O. Shimizu	Sheet No. 4 / 7	REV. A

Recommendation of side to side layout

Note.

1. Datum X and Y are established by customer's fiducial
2. Baseline is the center of compliant pin hole.
3. Finished hole size.
4. Connector foot print : refer SFF86620
5. Surface traces permitted within shaded area.
6. Location of the edge of PC board is application spec.
7. Indicated holes are optional.

Option	Leg	Dim. A	Dim. B	Dim. C
1	2	3.40	10.60	—
2	1	—	—	15.78
3	0	—	—	—



Light Pipe LED Location

Note 3
12x $\phi 1.05 \pm 0.05$
 $\oplus \phi 0.1 \text{ (M)} \text{ A K S L S}$

$\phi 1.15 \pm 0.02$
Drilled Hole Diameter

$\phi 1.05 \pm 0.05$
Finished Hole Diameter
After Plating

0.025 to 0.05 Copper Plating
0.004 to 0.001 : Hot Air Solder Leveling (HASL) Tin-Lead(SnPb)
0.0005 (Min.) Immersion Tin (Sn)
0.0002 to 0.0005 : Organic Solderability Preservative (OSP)
0.004 to 0.0076 : Nickel (Ni), 0.0001 to 0.0005 Immersion Gold (Au)

Cross hatched area denotes
component and trace keep out
(Excep chassis GND)

	mm
4 Place	$\pm xx$
3 Place	± 0.1
2 Place	± 0.2
1 Place	± 0.3
Angular	$X^\circ \pm 2^\circ$

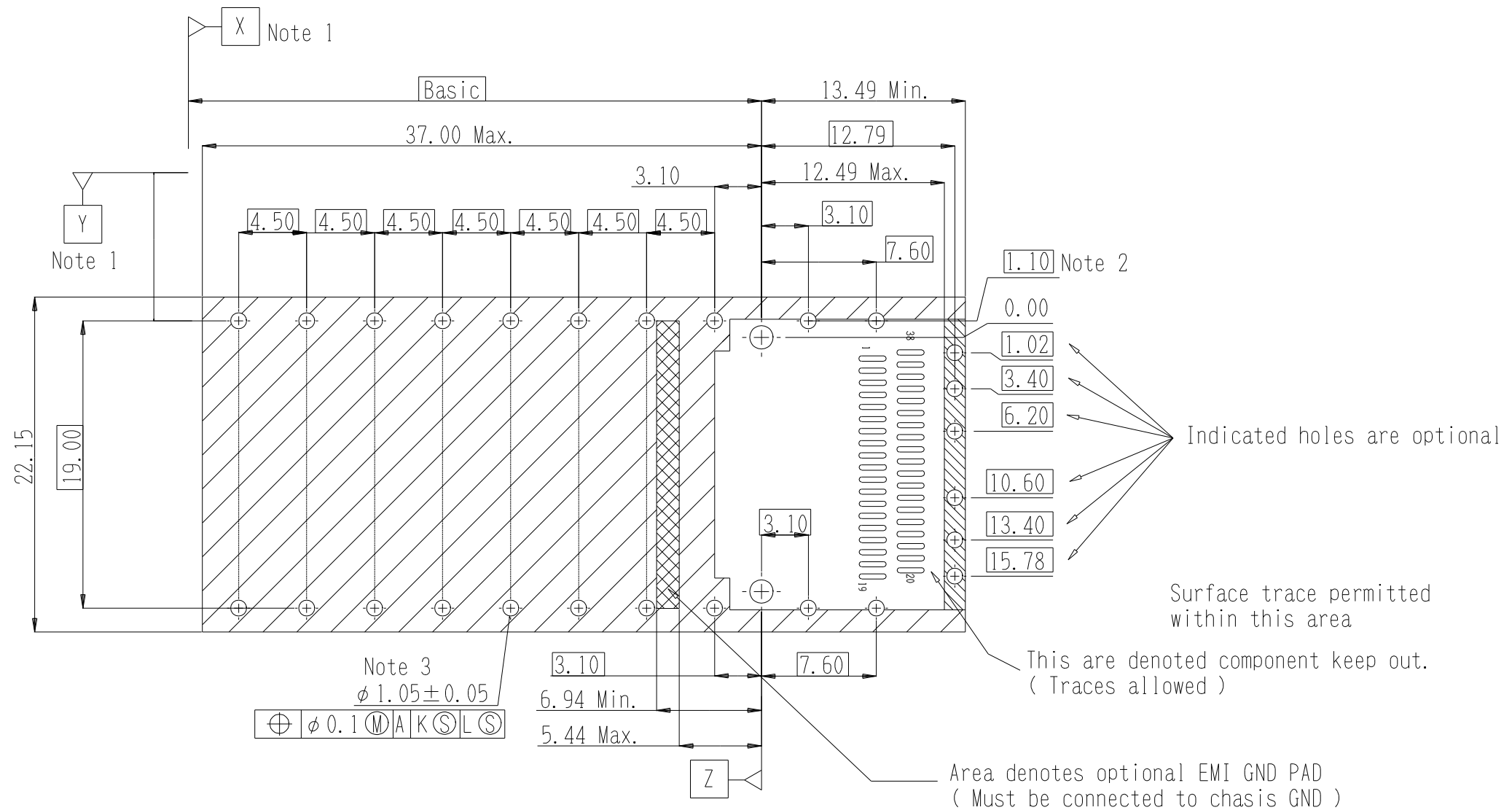
Tolerances ± 0.3 unless otherwise specified.
() Reference value

SCALE	3 / 2	APP.	APP.	CHK.	DRW.	DSGN.
DIMENSION	mm					
3RD. ANGLE PROJECTION		T. Nish	H. Takahira	O. Shimizu	O. Shimizu	


YAMAICHI ELECTRONICS U.S.A., INC.			
(CLASS) QSFP cage style A (EMI finger type)			
(TITLE) CNU120A-11xxxx-0001-A			
(DRW. NO.) YE-U-A2996	Sheet No. 5 / 7	REV. A	

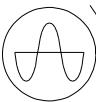

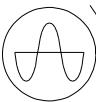

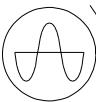

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Recommendation of belly to belly layout



	mm
4 Place	$\pm xx$
3 Place	± 0.1
2 Place	± 0.2
1 Place	± 0.3
Angular	$X^\circ \pm 2^\circ$

						<div><div></div><div>YAMAICHI ELECTRONICS U.S.A., INC.</div></div>				
Tolerances±0.3 unless otherwise specified. () Reference value						(CLASS) QSFP cage style A (EMI finger type)				
SCALE 3 / 2		APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxxx-0001-A			
mm										
DIMENSION										
3RD. ANGLE PROJECTION		<div><div></div></div>	T. Nish	H. Takahira	O. Shimizu	O. Shimizu	(DRW. NO.) YEU-A2996		Sheet No. 6 / 7	REV. A

	1	2	3	4	5	6	7	8																																							
	CONFIDENTIAL																																														
A																																															
B	P/N Description																																														
C	CNU120A-11 X X X X -0001-A																																														
D	<div>Base Cage 1. With cut out 2. Without cut out</div> <div>Heat sink 1. No heat sink 2. NET heat sink(13.5mm tall) 3. SAN heat sink(6.5mm tall) 4. PCI heat sink(4.2mm tall)</div> <div>Number of rear legs per port 1. 2 legs 2. 1 leg 3. 0 leg</div> <div>Light pipe 1. No Light pipe 2. Single light pipe 3. Dual light pipe 4. Quad light pipe</div>																																														
E																																															
F	<table><tr><td colspan="6"></td><td colspan="2">YAMAICHI ELECTRONICS U.S.A., INC.</td></tr><tr><td colspan="6">Tolerances±0.3 unless otherwise specified. () Reference value</td><td colspan="2">(CLASS) QSFP cage style A (EMI finger type)</td></tr><tr><td>SCALE 3 / 2 mm</td><td>APP.</td><td>APP.</td><td>CHK.</td><td>DRW.</td><td>DSGN.</td><td colspan="2">(TITLE) CNU120A-11xxx-0001-A</td></tr><tr><td>DIMENSION</td><td rowspan="2"></td><td>T. Nish</td><td>H. Takahira</td><td>O. Shimizu</td><td>O. Shimizu</td><td>(DRW. NO.) YEU-A2996</td><td>Sheet No. 7 / 7</td></tr><tr><td>3RD. ANGLE PROJECTION</td><td></td><td></td><td></td><td></td><td></td><td>REV. A</td></tr></table>														 YAMAICHI ELECTRONICS U.S.A., INC.		Tolerances±0.3 unless otherwise specified. () Reference value						(CLASS) QSFP cage style A (EMI finger type)		SCALE 3 / 2 mm	APP.	APP.	CHK.	DRW.	DSGN.	(TITLE) CNU120A-11xxx-0001-A		DIMENSION		T. Nish	H. Takahira	O. Shimizu	O. Shimizu	(DRW. NO.) YEU-A2996	Sheet No. 7 / 7	3RD. ANGLE PROJECTION						REV. A
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3RD. ANGLE PROJECTION							REV. A																																								
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