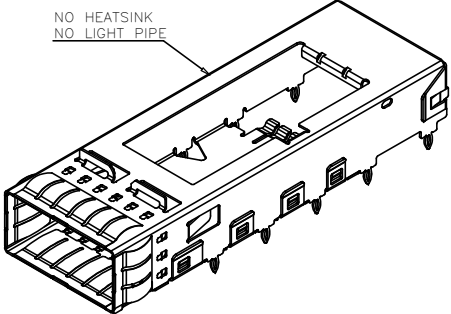


REVISION DESCRIPTION		APP.	DRW.	DATE	CHANGE No.
△ X 4	Add configuration	K.A	O.S	15/02/05	DC15-0005
△ X 3	Add configuration	K.A	O.S	15/03/11	DC15-0012
△ X					

TYPE OPTIONALS, nQSFP+ / QSFP+ STYLE B , 1X1 CAGE ASSEMBLY, SPRING FINGER

1

NO HEATSINK
NO LIGHT PIPE

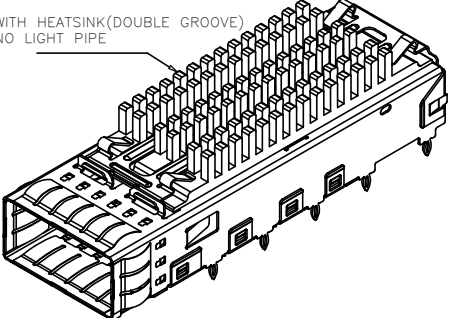


P/N: CNU120A-11000x-0001

NUMBER OF REAR LEGS PER PORT

2

WITH HEATSINK(DOUBLE GROOVE)
NO LIGHT PIPE

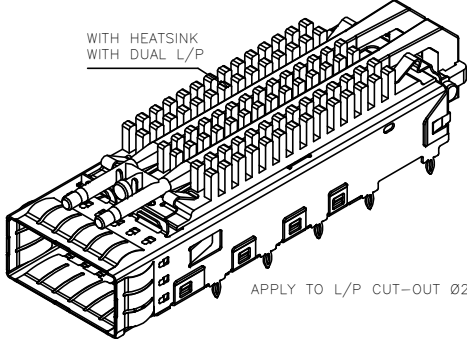


P/N: CNU120A-11x00x-0001

HEATSINK NUMBER OF REAR LEGS PER PORT

3

WITH HEATSINK
WITH DUAL L/P



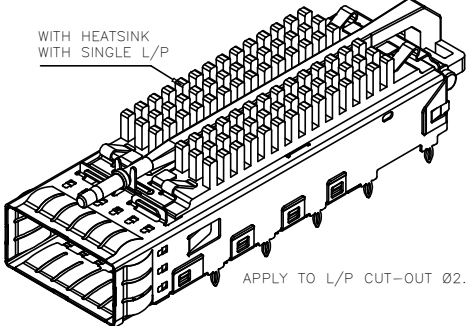
APPLY TO L/P CUT-OUT Ø2.11

P/N: CNU120A-11x26x-0001

HEATSINK NUMBER OF REAR LEGS PER PORT

4

WITH HEATSINK
WITH SINGLE L/P



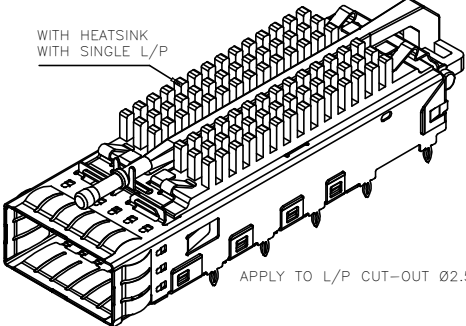
APPLY TO L/P CUT-OUT Ø2.11

P/N: CNU120A-11x16x-0001

HEATSINK NUMBER OF REAR LEGS PER PORT

5

WITH HEATSINK
WITH SINGLE L/P



APPLY TO L/P CUT-OUT Ø2.54

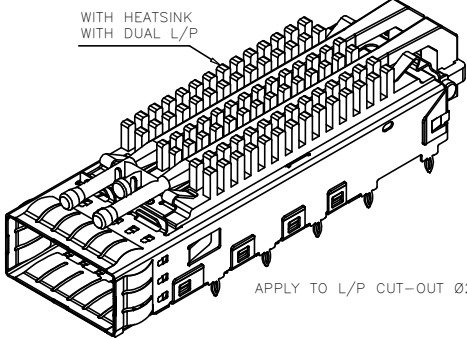
P/N: CNU120A-11x18x-0001

HEATSINK NUMBER OF REAR LEGS PER PORT

SEE NOTE 1

6

WITH HEATSINK
WITH DUAL L/P



APPLY TO L/P CUT-OUT Ø2.54

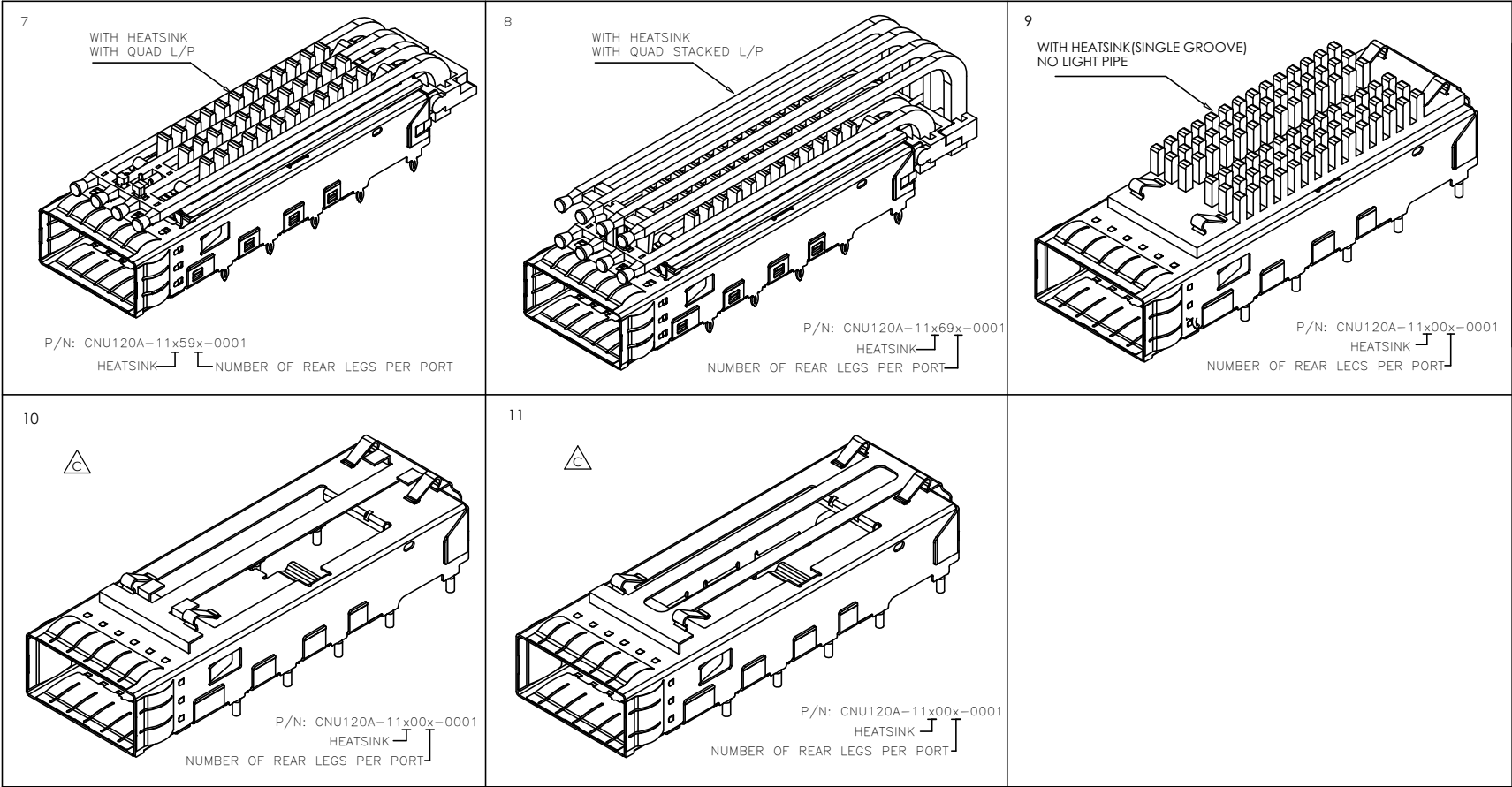
P/N: CNU120A-11x28x-0001

HEATSINK NUMBER OF REAR LEGS PER PORT

NOTE:
1. PLEASE CHECK PART NUMBER DESCRIPTION AT PAGE 11 AND PAGE12

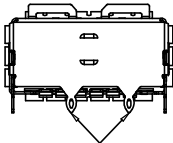
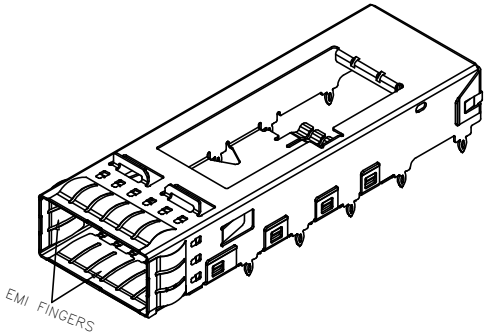
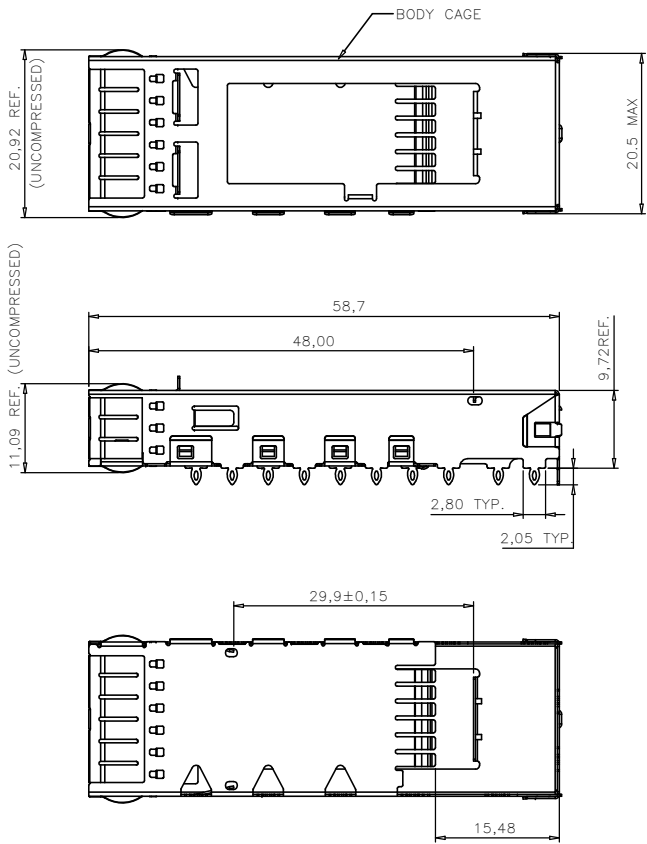
Tolerances ±0.30 unless otherwise specified. () Reference value						 YAMAICHI ELECTRONICS USA INC.	
CLASS QSFP 1x1 TypeB(EMI finger)						Part # CNU120A-11xxxx-0001	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	DRW No. YEU-A2517	
DIMENTION mm						Sheet No. 1/14	
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	REV. C	

TYPE OPTIONALS, nQSFP+ / QSFP+ STYLE B , 1X1 CAGE ASSEMBLY, SPRING FINGER



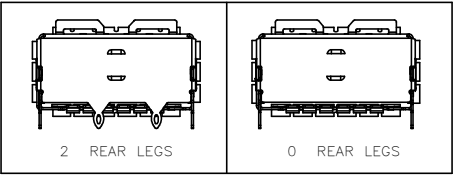
						YAMAICHI ELECTRONICS USA INC.	
Tolerances ± 0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part # CNU120A-11xxx-0001	
DIMENTION mm						DRW No. YEU-A2517	
ANGLE PROJ 3rd						Sheet No. 2/14	REV. C
						A3-001	

CAGE DETAILS



REAR PINS ARE OPTIONAL

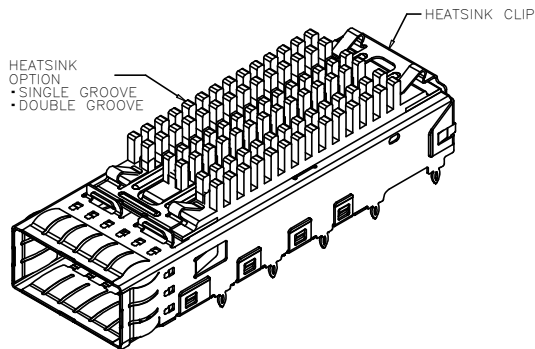
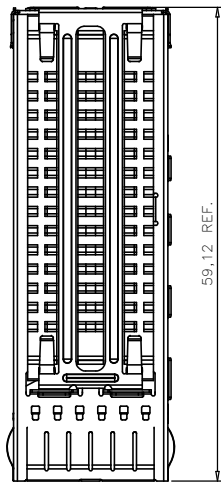
REAR LEG OPTIONALS



- 1. MATERIALS:
BODY CAGE: STAINLESS STEEL, 0.25 THICKNESS
EMI FINGER: STAINLESS STEEL
HEATSINK: ALUMINUM
HEATSINK CLIP: STAINLESS STEEL
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- 2. SURFACE FINISH:
BODY CAGE FINISH: CLEAN AND HOLE SEALING
EMI SPRING FINISH: CLEAN AND HOLE SEALING
HEATSINK FINISH: CLEAR PASSIVATION
HEATSINK CLIP FINISH: CLEAR PASSIVATION
- 3. MATE WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 4. REFERENCE DOCUMENTS:
PRODUCT SPECIFICATION: QSFP MSA
- 5. THIS PRODUCT COMPLY TO ROHS DIRECTIVE 2011/65/EU.

Tolerances ± 0.30 unless otherwise specified. () Reference value						YAMAICHI ELECTRONICS USA INC.	
CLASS QSFP 1x1 TypeB(EMI finger)						Part # CNU120A-11xxx-0001	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	DRW No. YEU-A2517	
DIMENTION mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	Sheet No. 3/14	REV. C
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	A3-001	

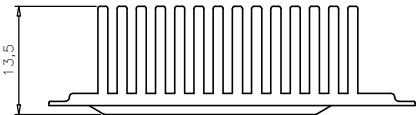
CAGE ASSEMBLY OPTIONALS (WITH HEATSINK, NO L/P)



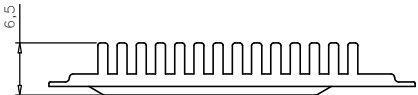
HEATSINK OPTIONALS

OVERALL HEATSINK HEIGHT	DIM "C"
PCI (HEATSINK 4.2MM TALL)	12.82
SAN (HEATSINK 6.5MM TALL)	15.12
NET (HEATSINK 13.5MM TALL)	22.12

REMARK: DIMENSION C ONLY APPLIES BEFORE MODULE INSTALLING INTO THE CAGE



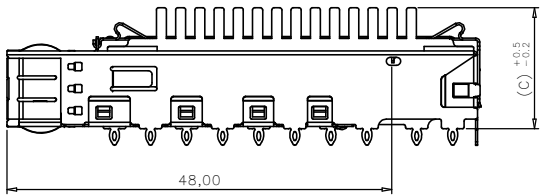
NET HEATSINK



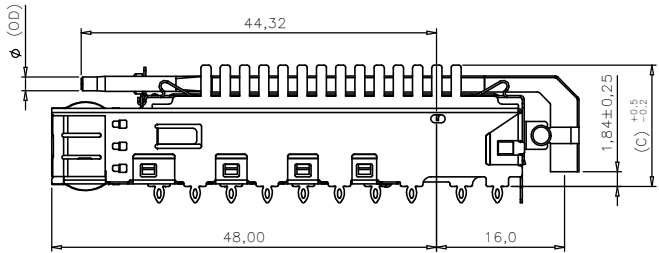
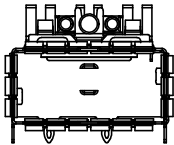
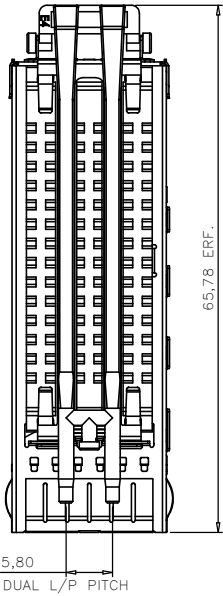
SAN HEATSINK



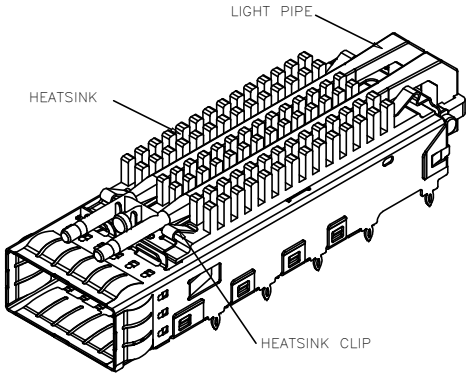
PCI HEATSINK



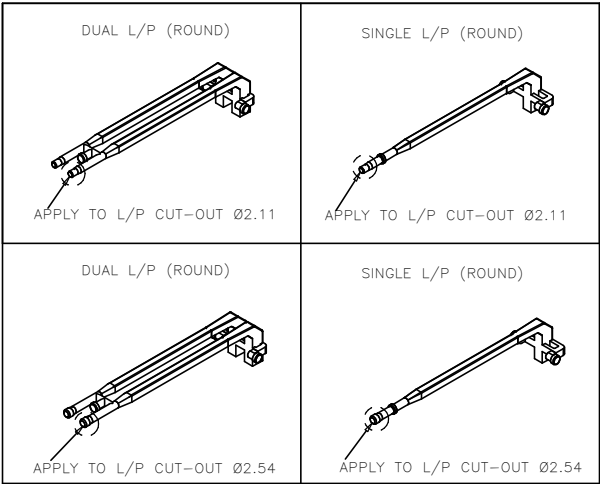
Tolerances ± 0.30 unless otherwise specified. () Reference value						 YAMAICHI ELECTRONICS USA INC.		
						CLASS QSFP 1x1 TypeB(EMI finger)		
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #	
DIMENTION	mm						CNU120A-11xxx-0001	
ANGLE PROJ	3rd						DRW No.	
		K. Abe	K. Abe	O. Shimizu	O. Shimizu		YEU-A2517	
							Sheet No.	REV.
							4/14	C



CAGE ASSEMBLY OPTIONALS (DUAL L/P OR SINGLE L/P)



LIGHT PIPE OPTIONALS

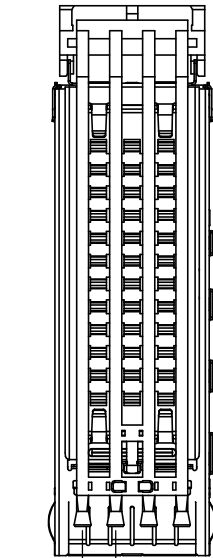


HEATSINK OPTIONALS

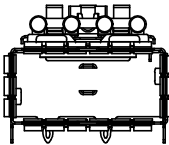
OVERALL HEATSINK HEIGHT	DIM "C"
PCI (HEATSINK 4.2MM TALL)	12.82
SAN (HEATSINK 6.5MM TALL)	15.12
NET (HEATSINK 13.5MM TALL)	22.12

REMARK: DIMENSION C. ONLY APPLIES BEFORE
MODULE INSTALLING INTO THE CAGE

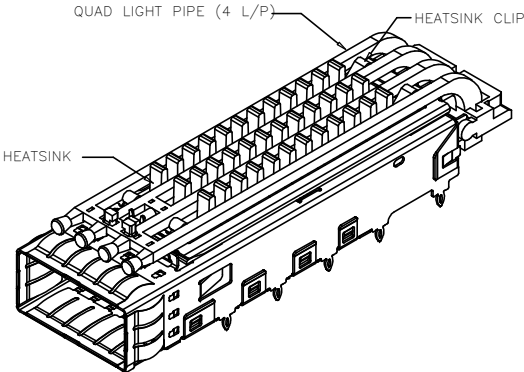
						YAMAICHI ELECTRONICS USA INC.		
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)		
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #	
DIMENTION	mm						CNU120A-11xxxx-0001	
ANGLE PROJ	3rd						DRW No.	YEU-A2517
							Sheet No.	5/14
							REV.	C



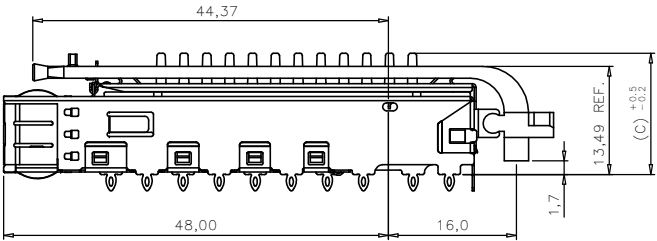
4,13
QUAD L/P PITCH



CAGE ASSEMBLY OPTIONALS (4 L/P)

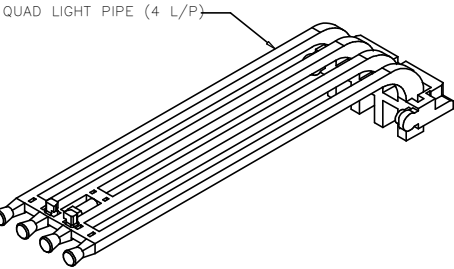


QUAD LIGHT PIPE (4 L/P)
HEATSINK CLIP
HEATSINK



44,37
48,00
16,0
1,7
13,49 REF.
(C) +0,5
-0,2

LIGHT PIPE OPTIONALS



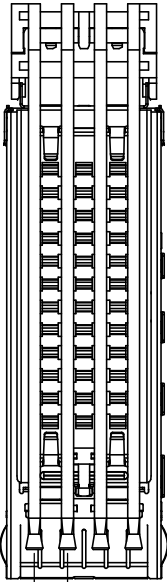
QUAD LIGHT PIPE (4 L/P)

HEATSINK OPTIONALS

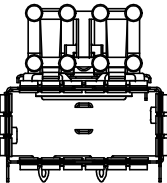
OVERALL HEATSINK HEIGHT	DIM "C"
PCI (HEATSINK 4.2MM TALL)	12.82
SAN (HEATSINK 6.5MM TALL)	15.12
NET (HEATSINK 13.5MM TALL)	22.12

REMARK: DIMENSION C ONLY APPLIES BEFORE
MODULE INSTALLING INTO THE CAGE

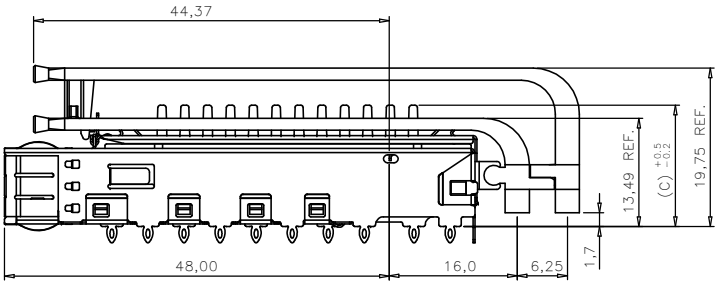
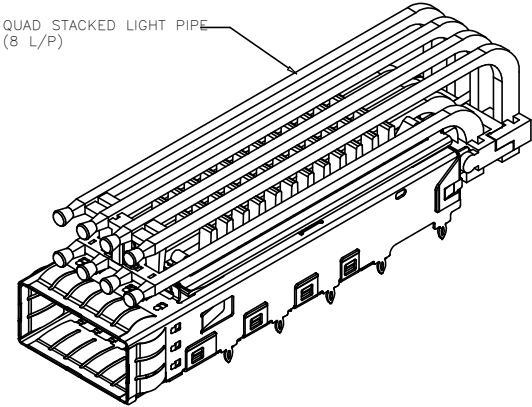
Tolerances ± 0.30 unless otherwise specified. () Reference value						YAMAICHI ELECTRONICS USA INC.	
CLASS QSFP 1x1 TypeB(EMI finger)						Part # CNU120A-11xxxx-0001	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	DRW No. YE-U-A2517	
DIMENTION mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	Sheet No. 6/14	REV. C
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu		



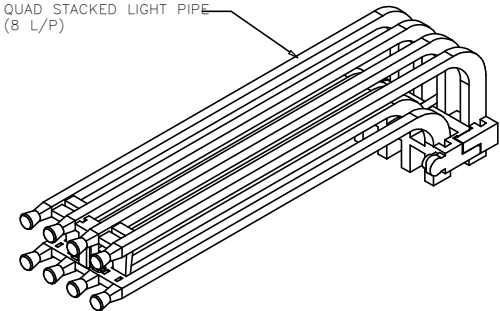
4,13
QUAD STACKED L/P PITCH



CAGE ASSEMBLY OPTIONALS (8 L/P)



LIGHT PIPE OPTIONALS



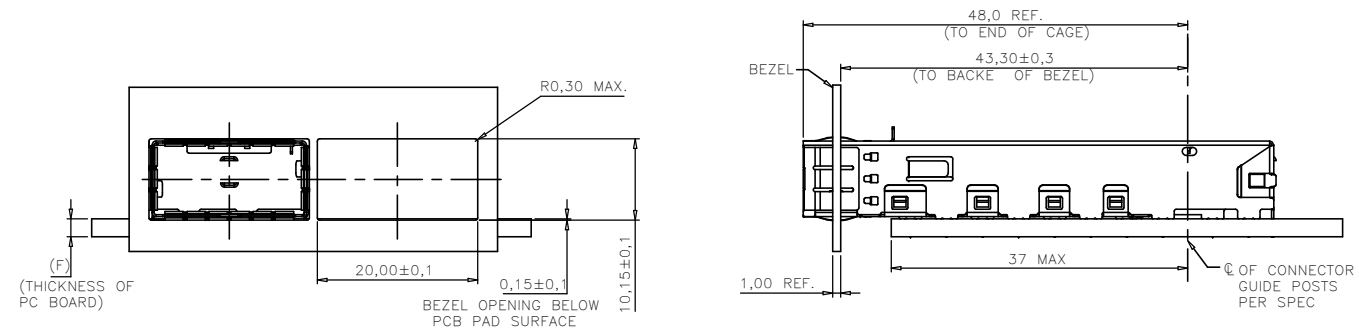
HEATSINK OPTIONALS

OVERALL HEATSINK HEIGHT	DIM "C"
PCI (HEATSINK 4.2MM TALL)	12.82
SAN (HEATSINK 6.5MM TALL)	15.12
NET (HEATSINK 13.5MM TALL)	22.12

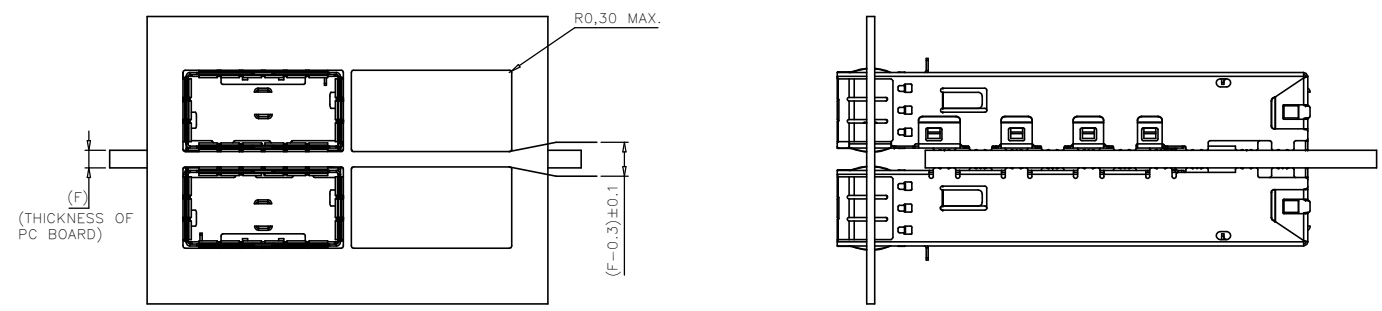
REMARK: DIMENSION C ONLY APPLIES BEFORE
MODULE INSTALLING INTO THE CAGE

Tolerances ± 0.30 unless otherwise specified. () Reference value						 YAMAICHI ELECTRONICS USA INC.	
CLASS QSFP 1x1 TypeB(EMI finger)						Part # CNU120A-11xxxx-0001	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	DRW No. YEU-A2517	
DIMENTION mm						Sheet No. 7/14	
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	REV. C	

BEZEL AND BOARD POSITION DIMENSION
FOR SINGLE SIDE MOUNTING (SPRING FINGER)



BEZEL AND BOARD POSITION DIMENSION
FOR BELLY TO BELLY MOUNTING (SPRING FINGER)

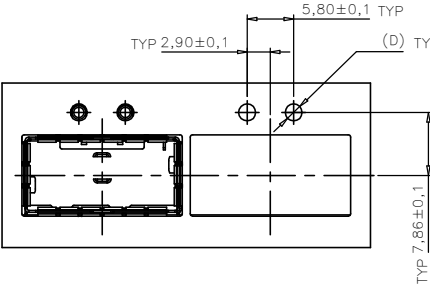
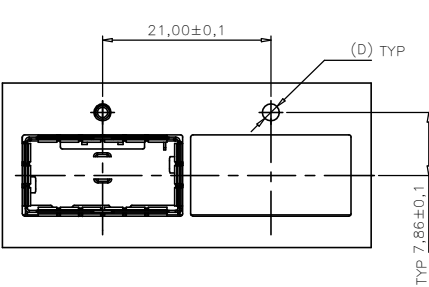


NOTES:
1. THE NORMAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD.(DIM. "F")
SINGLE SIDED PC BOARD THICKNESS: 1.60mm MIN.
BELLY TO BELLY PC BOARD MIN. THICKNESS: 2.2mm MIN.

						 YAMAICHI ELECTRONICS USA INC.		
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)		
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #	
DIMENTION	mm						CNU120A-11xxxx-0001	
ANGLE PROJ	3rd						DRW No.	YEU-A2517
							Sheet No.	8/14
							REV.	C

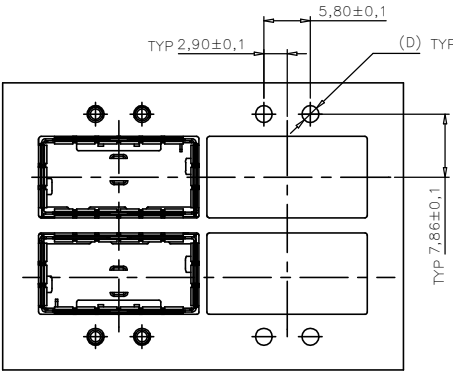
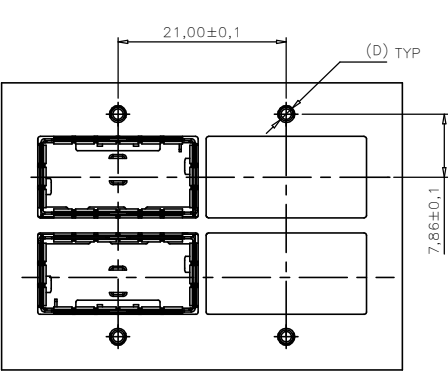
CONFIDENTIAL

BEZEL L/P CUT-OUT POSITION DIMENSION FOR SINGLE SIDE MOUNTING (FOR SINGLE L/P AND DUAL L/P)



	DIM "D"
L/P CUT-OUT	2.11±0.1
OPTIONALS	2.54±0.1

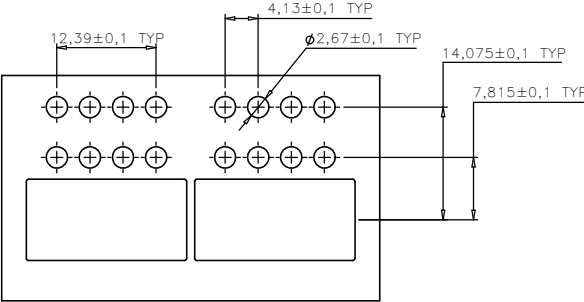
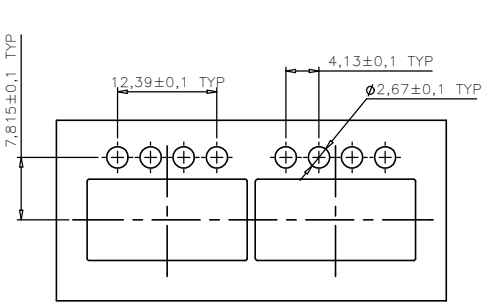
BEZEL L/P CUT-OUT POSITION DIMENSION FOR BELLY TO BELLY MOUNTING (FOR SINGLE L/P AND DUAL L/P)



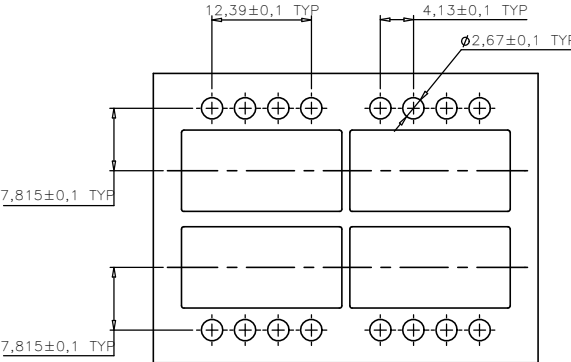
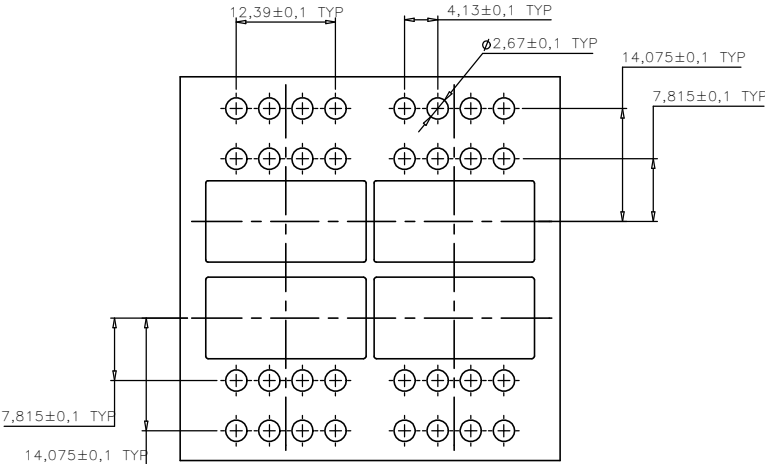
	DIM "D"
L/P CUT-OUT	2.11±0.1
OPTIONALS	2.54±0.1

						 YAMAICHI ELECTRONICS USA INC.	
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)	
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #
DIMENTION	mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	CNU120A-11xxxx-0001
ANGLE PROJ	3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	DRW No. YEU-A2517
						Sheet No. 9/14	REV. C

BEZEL L/P CUT-OUT POSITION DIMENSION FOR SINGLE
SIDE MOUNTING (FOR 4 L/P AND 8 L/P)



BEZEL L/P CUT-OUT POSITION DIMENSION FOR BELLY TO
BELLY MOUNTING (FOR 4 L/P AND 8 L/P)



						 YAMAICHI ELECTRONICS USA INC.	
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)	
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #
DIMENTION	mm						CNU120A-11xxxx-0001
ANGLE PROJ	3rd						DRW No.
		K. Abe	K. Abe	O. Shimizu	O. Shimizu		YEU-A2517
							Sheet No.
							10/14
							REV.
							C

CONFIDENTIAL

PART NUMBER OPTIONALS

CNU120A-11xxxx-0001

NUMBER OF REAR LEGS PER PORT
0= 2 LEGS (DEFAULT)
N= 0 LEG (NO LEG)

MATING BEZEL
SEE TABLE 1

△ HEATSINK
0= NO HEATSINK
a= NO HEATSINK WITH SINGLE GROOVE CLIP
b= NO HEATSINK WITH DOUBLE GROOVE GLIP
1= NET (HEATSINK 13.5MM TALL,DOUBLE GROOVE)
2= SAN (HEATSINK 6.5MM TALL,DOUBLE GROOVE)
3= PCI (HEATSINK 4.2MM TALL,DOUBLE GROOVE)
4= NET (HEATSINK 13.5MM TALL,SINGLE GROOVE)
5= SAN (HEATSINK 6.5MM TALL,SINGLE GROOVE)
6= PCI (HEATSINK 4.2MM TALL,SINGLE GROOVE)

LIGHT PIPE
0= NO LIGHT PIPE
1= SINGLE LIGHT PIPE (ROUND)
2= DUAL LIGHT PIPE (ROUND)
5= QUAD LIGHT PIPE (ROUND)
6= QUAD STACKED LIGHT PIPE (ROUND)

								YAMAICHI ELECTRONICS USA INC.			
Tolerances ±0.30 unless otherwise specified. () Reference value							CLASS QSFP 1x1 TypeB(EMI finger)				
SCALE	3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part #				
DIMENTION	mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	CNU120A-11xxxx-0001				
ANGLE PROJ	3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	DRW No.	YEU-A2517	Sheet No.	11/14	
										REV.	
										C	

PART NUMBER OPTIONALS

TABLE 1

MATING BEZEL (TYPE 1)								
THE DIMENSION FOR MATING BEZEL (UNIT: MM)								
CODE	L/P APPEARANCE	L/P CUT-OUT	L/P PITCH (FRONT)	L/P PITCH (REAR)	L/P HEIGHT	BEZEL THICKNESS	LED HEIGHT	REMARK
0	NO L/P							NO LIGHT PIPE
6	ROUND	Ø2.11	5.80	5.80	7.86	1.0~1.6	0.8~1.1	APPLICABLE
8	ROUND	Ø2.54	5.80	5.80	7.86	1.0~1.6	0.8~1.1	APPLICABLE
		①	②	③	④	⑤	⑥	

① LIGHT PIPE CUT-OUT

② L/P PITCH(FRONT)

SINGLE L/P CENTERLINE

⑤ BEZEL THICKNESS

④ L/P HEIGHT

⑥ LED HEIGHT

L/P PITCH (REAR) ③ OR LED PITCH

SINGLE L/P CENTERLINE

MATING BEZEL (TYPE 2)								
THE DIMENSION FOR MATING BEZEL (UNIT: MM)								
CODE	L/P APPEARANCE	L/P CUT-OUT	L/P PITCH (FRONT)	L/P PITCH (REAR)	L/P HEIGHT	BEZEL THICKNESS	LED HEIGHT	REMARK
9	ROUND	Ø2.67	4.13	4.13	7.815	1.6 REF.	0.8~1.1	APPLICABLE
		⑦	⑧	⑨	⑩	⑪	⑫	

⑦ LIGHT PIPE CUT-OUT

⑧ L/P PITCH(FRONT)

⑩ L/P HEIGHT

⑪ BEZEL THICKNESS

IF IT'S 4 L/P, THERE IS NOT L/P ON THE ABOVE ROW.

⑫ LED HEIGHT

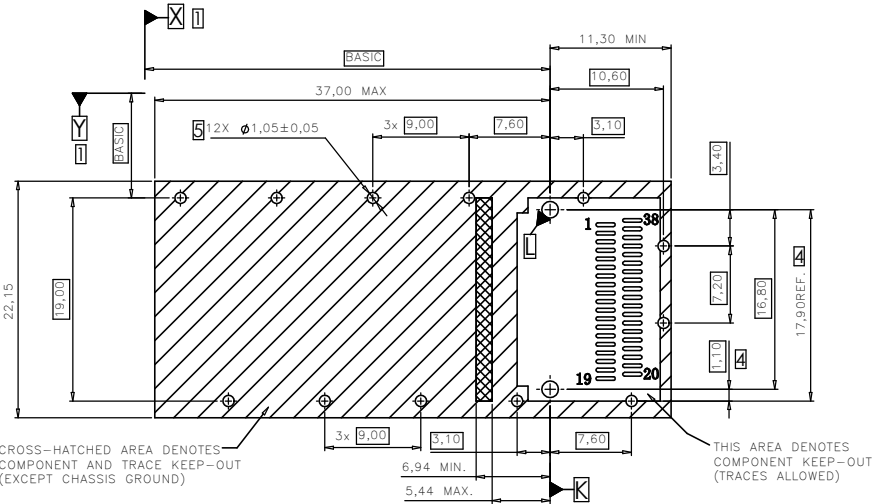
16.00

6.25

L/P PITCH (REAR) ⑨ OR LED PITCH

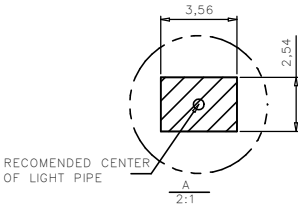
IF IT'S 4 L/P, THERE IS NOT LED ON THE BEHIND ROW.

						 YAMAICHI ELECTRONICS USA INC.		
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)		
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part # CNU120A-11xxxx-0001		
DIMENTION mm		14/11/05	14/11/05	14/11/05	14/11/05	DRW No. YEU-A2517		Sheet No. 12/14
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	REV. C		
6				7		8		A3-001



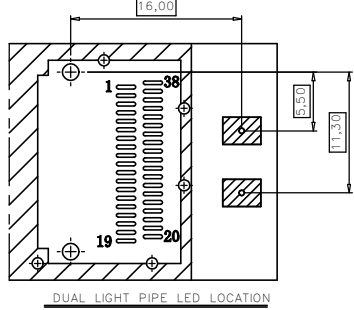
RECOMMENDED SINGLE SIDE PC BOARD LAYOUT

- NOTES:
- 1. DATUM X & Y ARE ESTABLISHED BY THE CUSTOMER'S FIDUCIAL
 - 2. DATUM A IS THE TOP SURFACE OF THE HOST BOARD
 - 3. LOCATION OF THE EDGE OF PCB IS APPLICATION SPECIFIC
 - 4. BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
 - 5. FINISHED HOLE SIZE

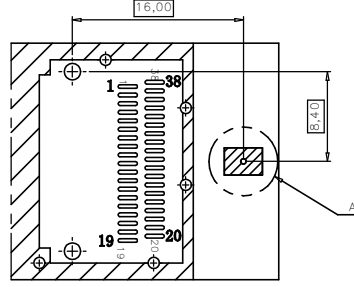


RECOMMENDED CENTER OF LIGHT PIPE

FOR CAGE ASSEMBLIES WITH LIGHT PIPES

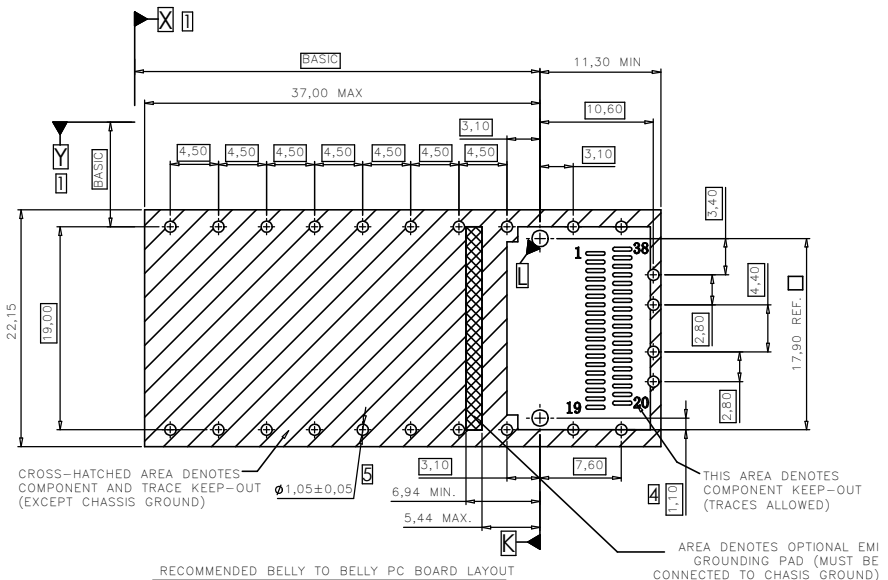


DUAL LIGHT PIPE LED LOCATION

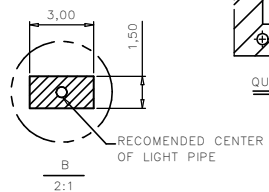
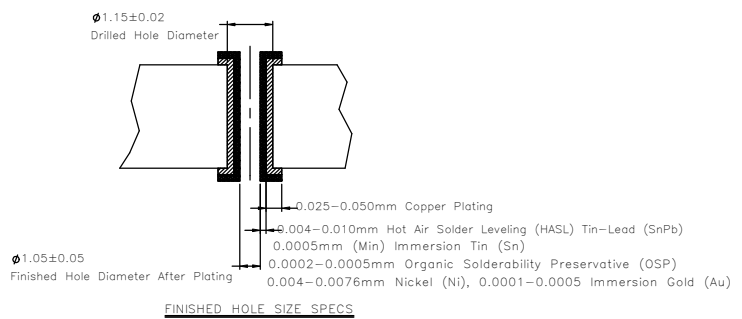
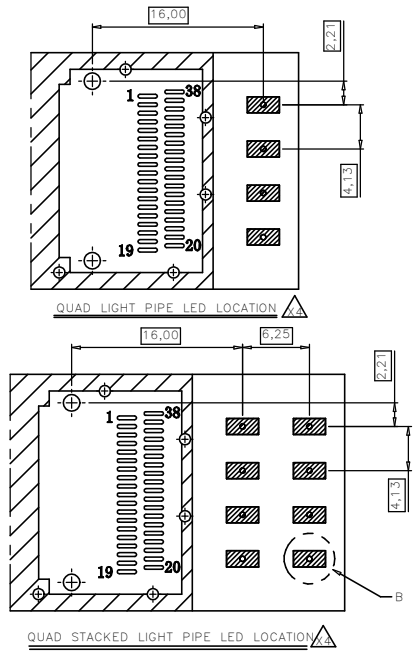


SINGLE LIGHT PIPE LED LOCATION

							
Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)	
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part # CNU120A-11xxxx-0001	
DIMENTION mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	DRW No. YEU-A2517	
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	Sheet No. 13/14	REV. C
6			7			8 A3-001	



FOR CAGE ASSEMBLIES WITH LIGHT PIPES



Tolerances ±0.30 unless otherwise specified. () Reference value						CLASS QSFP 1x1 TypeB(EMI finger)		
SCALE 3/2	APP.	APP.	CHK.	DRW.	DSGN.	Part # CNU120A-11xxx-0001		
DIMENTION mm		'14/11/05	'14/11/05	'14/11/05	'14/11/05	DRW No. YEU-A2517		
ANGLE PROJ 3rd		K. Abe	K. Abe	O. Shimizu	O. Shimizu	Sheet No. 14/14	REV. C	

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