

BASE CAGE DETAILS
P/N: 902GEA3P00C6X0A0 SHOWN

MATERIALS:

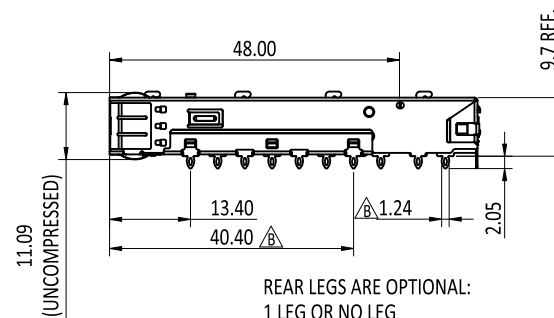
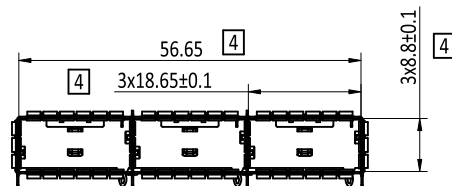
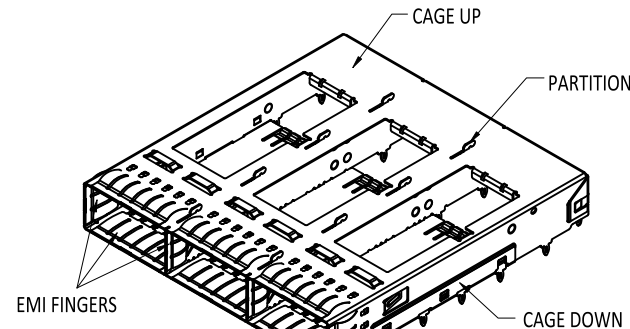
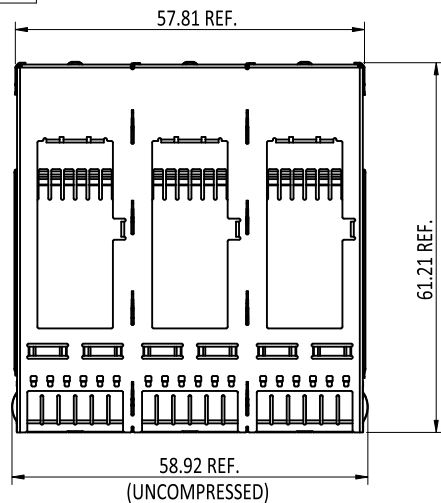
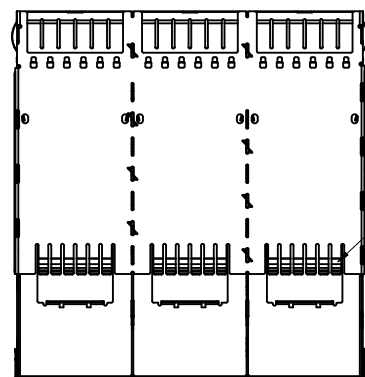
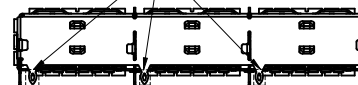
1. CAGE UP: STAINLESS STEEL, 0.25 THICKNESS
2. CAGE DOWN: STAINLESS STEEL, 0.25 THICKNESS
3. PARTITION: STAINLESS STEEL
4. EMI FINGERS: STAINLESS STEEL
5. HEATSINK: ALUMINUM
6. HEATSINK CLIP: STAINLESS STEEL
7. LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
8. CAP: HIGH TEMPERATURE THERMOPLASTIC 94V-0, BLACK

SURFACE FINISH:

1. BODY CAGE: CLEANING
2. EMI SPRING FINISH: CLEANING AND HOLE SEALING
3. HEATSINK FINISH: BLACK ANODIZED
4. HEATSINK CLIP FINISH: CLEANING

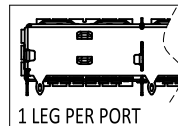
NOTE:

1. MATE WITH QSFP MSA COMPATIBLE TRANSCEIVER
2. INSIDE SURFACE OF CASKET WHEN FULLY COMPRESSED
3. REFERENCE DOCUMENTS: PRODUCT SPECIFICATION: SFF-8663

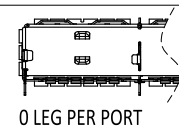
REAR LEGS ARE OPTIONAL:
1 LEG OR NO LEG

UNDER BELLY EMI FINGERS

REAR LEGS OPTIONAL

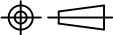


1 LEG PER PORT



0 LEG PER PORT

REMARK: APPLIES TO ALL CAGES IN THIS DRAWING

2	59252050020	902GEA3P00C670A0	1 LEG PER PORT	
1	59252050010	902GEA3P00C610A0	0 LEG PER PORT	
ITEM	NEW P/N	OLD P/N	REAR LEGS OPTIONAL	NOTE
UNLESS OTHERWISE SPECIFIED TOLERANCE		 SIP  Cmk Cpk	 CHANT SINCERE CO.,LTD	
ANG. ±2°				
1 PLACE ±0.3				
2 PLACE ±0.2				
3 PLACE ±0.1				
SCALE: AS SHOWN		UNIT: mm		
DRAWN: SUNNY_LIU		26 Feb 2024	TITLE: PDR-	
CHECKED: PEARL_HUNG		07 Mar 2024	QSFP+ 28G CAGE 1X3 THROUGH BEZEL	
APPROVED: PEARL_HUNG		07 Mar 2024	PART NO. 5925205XXXX	
	SIZE A4	SHEET 1/7	REV. B	C
7		8	9	
			10	

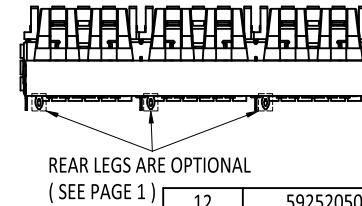
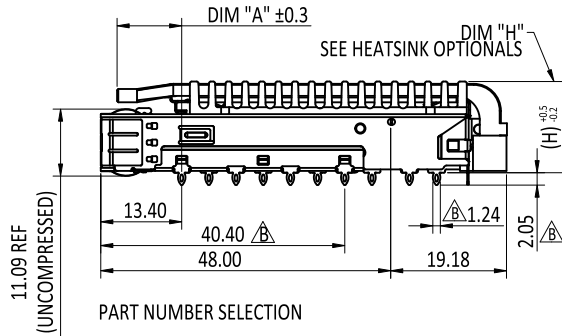
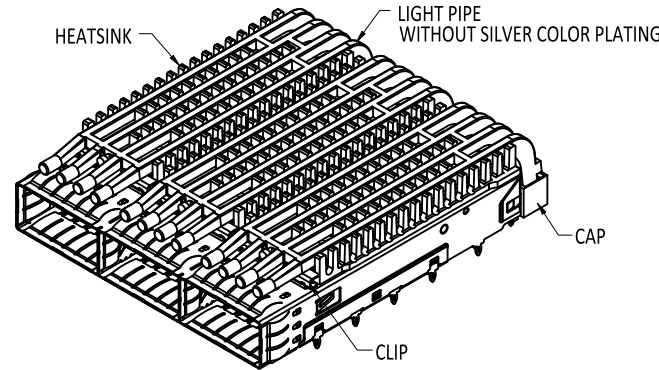
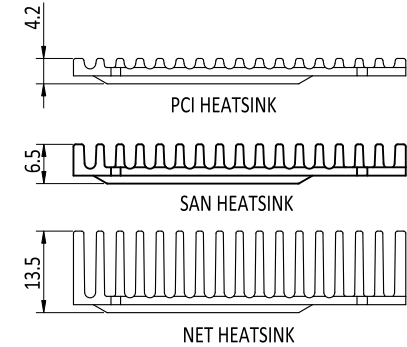
D4, D5	B	ECN-2402018(JOLIN)ADD NEW P/N&ADD DIMENSION	20FEB2024
	A	ECN-201035(KEVIN)ADD NEW FACTORY & RELEASE A VERSION	20JAN2020
	X2	ECR-17060086(LITING)ADD DWG 3/7	23JUN2017
ZONE	REVISION	DESCRIPTION	DATE

RoHS
compliant

WITH HATSINK, WITH QUAD LIGHT PIPE AND CAP
LIGHT PIPE WITHOUT SILVER COLOR PLATING

HEATSINK OPTIONS

OVERALL HEATSINK HEIGHT	DIM "H"	
	BEFORE MODULE INSTALLING	AFTER MODULE INSTALLING
PCI HS (4.2mm)	12.8	13.7
SAN HS (6.5mm)	15.1	16.0
NET HS (13.5mm)	22.1	23.0

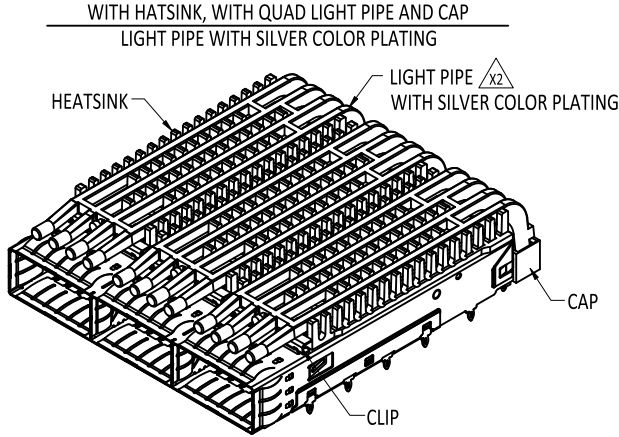
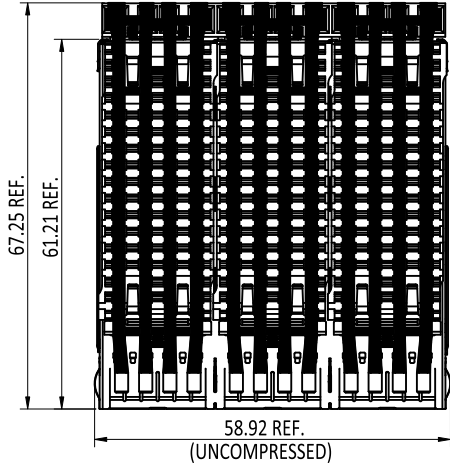


12	59252050140	902GEA3PCAC673A0	NET	10.7mm	1 LEG
11	59252050130	902GEA3P7AC673A0	NET	9.7mm	1 LEG
10	59252050120	902GEA3PCAC613A0	NET	10.7mm	0 LEG
9	59252050110	902GEA3P7AC613A0	NET	9.7mm	0 LEG
8	59252050100	902GEA3PCAC672A0	SAN	10.7mm	1 LEG
7	59252050090	902GEA3P7AC672A0	SAN	9.7mm	1 LEG
6	59252050080	902GEA3PCAC612A0	SAN	10.7mm	0 LEG
5	59252050070	902GEA3P7AC612A0	SAN	9.7mm	0 LEG
4	59252050060	902GEA3PCAC671A0	PCI	10.7mm	1 LEG
3	59252050050	902GEA3P7AC671A0	PCI	9.7mm	1 LEG
2	59252050040	902GEA3PCAC611A0	PCI	10.7mm	0 LEG
1	59252050030	902GEA3P7AC611A0	PCI	9.7mm	0 LEG
ITEM	NEW P/N	OLD P/N	HEATSINK	DIM "A"	REAR LEGS

UNLESS OTHERWISE SPECIFIED TOLERANCE		SIP Cmk Cpk	 CHANT SINCERE CO.,LTD	
ANG	±2°			
1 PLACE	±0.3	SCALE: AS SHOWN		UNIT: mm
2 PLACE	±0.2			
3 PLACE	±0.1	DRAWN: SUNNY_LIU		26 Feb 2024
CHECKED: PEARL_HUNG		07 Mar 2024		TITLE: PDR- QSFP+ 28G CAGE 1X3 THROUGH BEZEL
APPROVED: PEARL_HUNG		07 Mar 2024		PART NO. 5925205XXXX
REV. B		CODE: X8, X07		CUSTOMER:

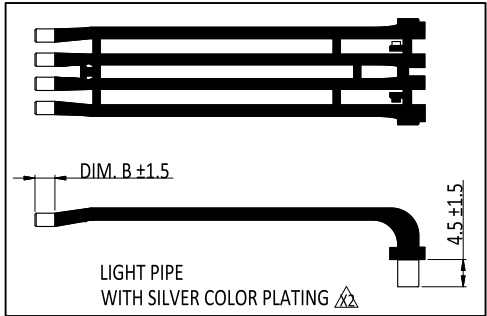
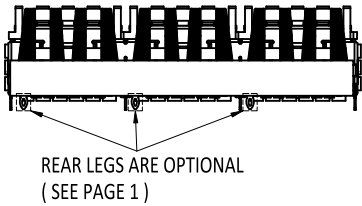
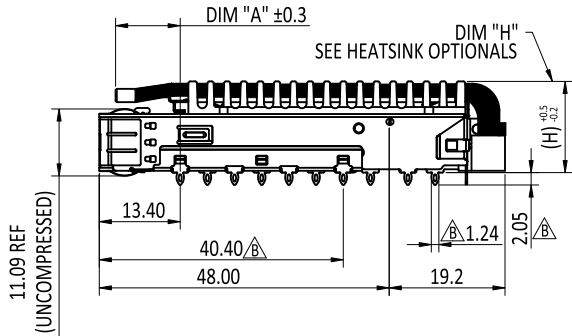
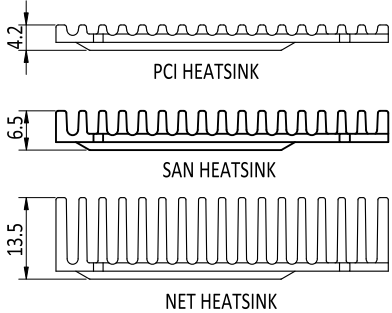
D4, D5, D6	B	ECN-2402018(JOLIN)ADD NEW P/N&ADD DIMENSION	20FEB2024
	A	ECN-201035(KEVIN)ADD NEW FACTORY & RELEASE A VERSION	20JAN2020
	X2	ECR-17060086(LITING)ADD DWG 3/7	23JUN2017
ZONE	REVISION	DESCRIPTION	DATE

RoHS
compliant



HEATSINK OPTIONS

OVERALL HEATSINK HEIGHT	DIM "H"	
	BEFORE MODULE INSTALLING	AFTER MODULE INSTALLING
PCI HS (4.2mm)	12.8	13.7
SAN HS (6.5mm)	15.1	16.0
NET HS (13.5mm)	22.1	23.0



12	59252050260	902GEA3P9AC673A0	NET	10.7mm	1 LEG
11	59252050250	902GEA3P8AC673A0	NET	9.7mm	1 LEG
10	59252050240	902GEA3P9AC613A0	NET	10.7mm	0 LEG
9	59252050230	902GEA3P8AC613A0	NET	9.7mm	0 LEG
8	59252050220	902GEA3P9AC672A0	SAN	10.7mm	1 LEG
7	59252050210	902GEA3P8AC672A0	SAN	9.7mm	1 LEG
6	59252050200	902GEA3P9AC612A0	SAN	10.7mm	0 LEG
5	59252050190	902GEA3P8AC612A0	SAN	9.7mm	0 LEG
4	59252050180	902GEA3P9AC671A0	PCI	10.7mm	1 LEG
3	59252050170	902GEA3P8AC671A0	PCI	9.7mm	1 LEG
2	59252050160	902GEA3P9AC611A0	PCI	10.7mm	0 LEG
1	59252050150	902GEA3P8AC611A0	PCI	9.7mm	0 LEG
ITEM	NEW P/N	OLD P/N	HEATSINK	DIM "A"	REAR LEGS

UNLESS OTHERWISE SPECIFIED TOLERANCE

ANG. ±2°

1 PLACE ±0.3

2 PLACE ±0.2

3 PLACE ±0.1

SIP

ST Cmk Cpk

SCALE: AS SHOWN

UNIT: mm

DRAWN: SUNNY_LIU

CHECKED: PEARL_HUNG

APPROVED: PEARL_HUNG

26 Feb 2024

07 Mar 2024

07 Mar 2024

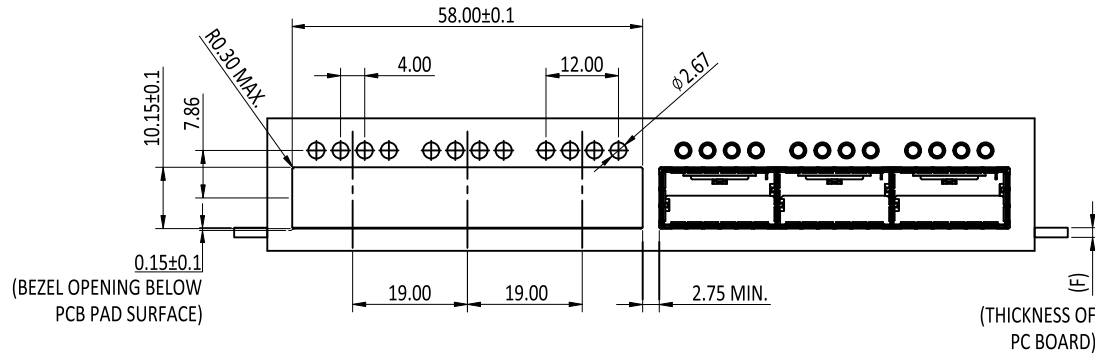
TITLE: PDR-
QSFP+ 28G CAGE 1X3 THROUGH BEZEL

PART NO. 5925205XXXX

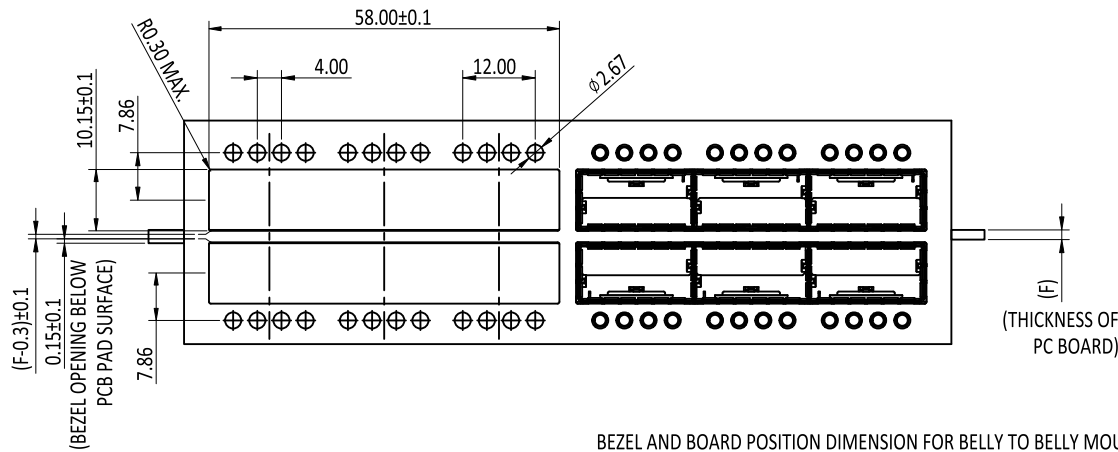
CODE: X8, X07

CUSTOMER:

D4, D5, D6	B	ECN-2402018(JOLIN)ADD NEW P/N&ADD DIMENSION	20FEB2024
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ZONE	REVISION	DESCRIPTION	DATE



BEZEL AND BOARD POSITION DIMENSION FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSION FOR BELLY TO BELLY MOUNTING

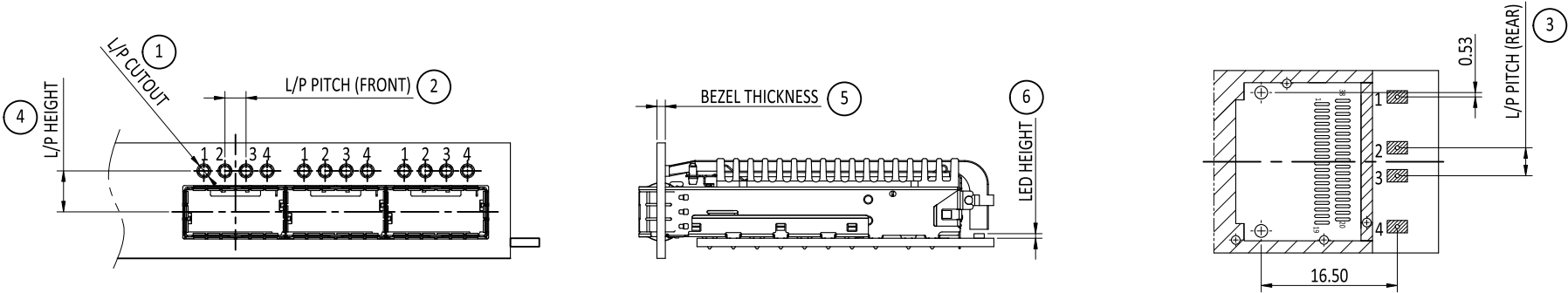
NOTES:

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: 3.0mm MIN.
2. GENERAL TOLERANCE: ±0.05.

UNLESS OTHERWISE SPECIFIED TOLERANCE		 SIP		 CHANT SINCERE CO.,LTD	
ANG. ±2°		 Cmk Cpk			
1 PLACE ±0.3					
2 PLACE ±0.2					
3 PLACE ±0.1					
SCALE: AS SHOWN		UNIT: mm		TITLE: PDR- QSFP+ 28G CAGE 1X3 THROUGH BEZEL	
DRAWN: SUNNY_LIU		26 Feb 2024			
CHECKED: PEARL_HUNG		07 Mar 2024		PART NO. 5925205XXXX	
APPROVED: PEARL_HUNG		07 Mar 2024		C	
		SIZE A4	SHEET 4/7	REV. B	CODE: X8, X07
7		8		9	
				10	

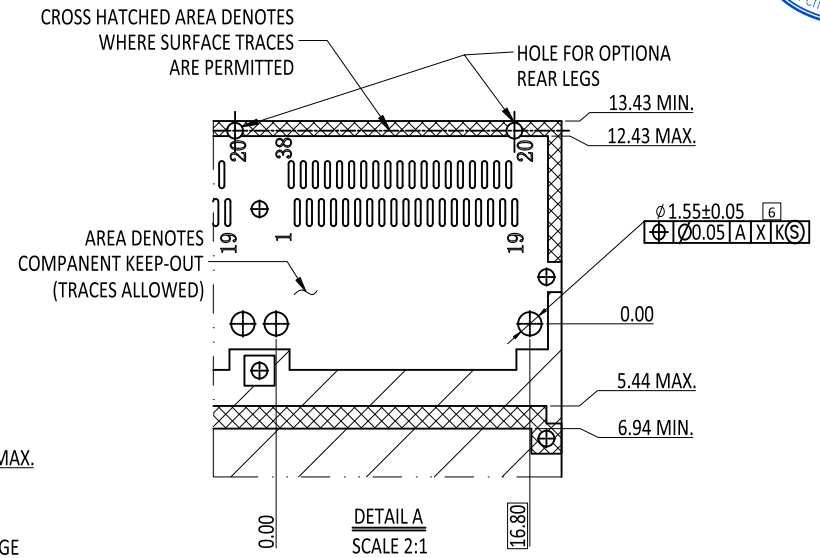
B		ECR-2402018(JOLIN)SEE PAGE 1/7, 2/7, 3/7	20FEB2024
A9	A	ECN-201035(KEVIN)ADD NEW FACTORY & RELEASE A VERSION	20JAN2020
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		THE DIMENSION FOR MATING BEZEL (UNIT: mm)						
CODE	L/P APPEARANCE	L/P CUT-OUT	L/P PITCH (FRONT)	L/P PITCH (REAR)	L/P HEIGHT	BEZEL THICKNESS	LED HEIGHT	REMARK
0	NO L/P							WITHOUT LIGHT PIPE
A	ROUND	Ø2.67	4.00(Equal)	1,4=15.75 2,3=3.40	7.86	1.60	0.8~1.1	APPLIES TO QUAD L/P
		①	②	③	④	⑤	⑥	

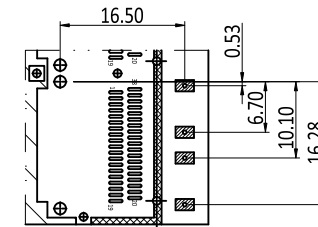


UNLESS OTHERWISE SPECIFIED TOLERANCE		 SIP		 CHANT SINCERE CO.,LTD	
ANG. ±2°		 Cmk Cpk			
1 PLACE ±0.3					
2 PLACE ±0.2					
3 PLACE ±0.1					
SCALE: AS SHOWN		UNIT: mm			
DRAWN: SUNNY_LIU		26 Feb 2024		TITLE: PDR-	
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APPROVED: PEARL_HUNG		07 Mar 2024		PART NO. 5925205XXXX	
		REV. B		C	
SIZE A4		SHEET 5/7		CODE: X8, X07	
7		8		CUSTOMER:	
				9 10	

	B	ECR-2402018(JOLIN)SEE PAGE 1/7, 2/7, 3/7	20FEB2024
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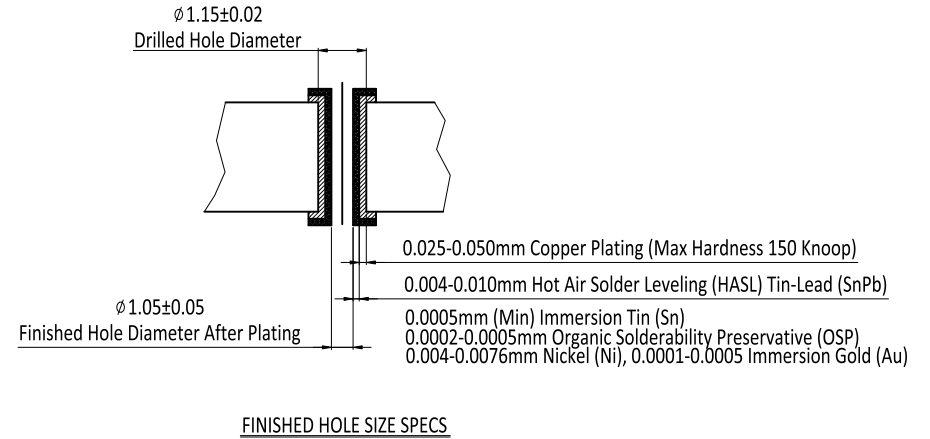
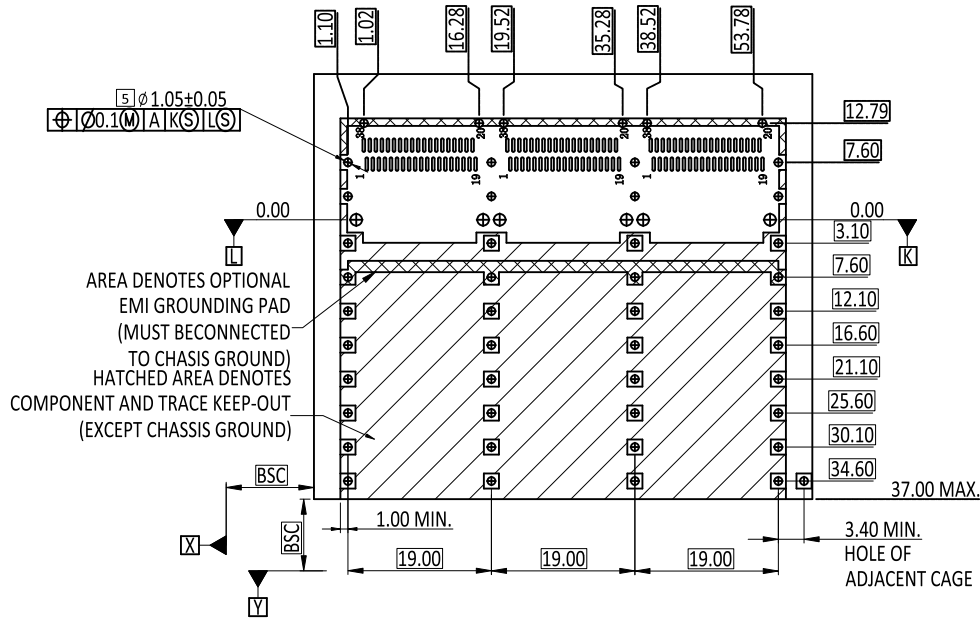


FOR CAGE ASSEMBLIES WITH LIGHT PIPES



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
6. UNPLATED THRU HOLE
7. REFER TO SFF8662 FOR CONNECTOR FOOTING DIMENSIONS

UNLESS OTHERWISE SPECIFIED TOLERANCE ANG. $\pm 2^\circ$ 1 PLACE ± 0.3 2 PLACE ± 0.2 3 PLACE ± 0.1		 SIP  Cmk Cpk		 CHANT SINCERE CO.,LTD	
SCALE: AS SHOWN		UNIT: mm			
DRAWN: SUNNY_LIU		26 Feb 2024		TITLE: PDR- QSFP+ 28G CAGE 1X3 THROUGH BEZEL	
CHECKED: PEARL_HUNG		07 Mar 2024			
APPROVED: PEARL_HUNG		07 Mar 2024		PART NO. 5925205XXXX	
  SIZE A4		SHEET 6/7		REV. B	
  7		  8		  9	
				CUSTOMER:	
				10	



RECOMMENDED BELLY TO BELLY PC BOARD LAYOUT

UNLESS OTHERWISE
SPECIFIED TOLERANCE
ANG. $\pm 2^\circ$
1 PLACE ± 0.3
2 PLACE ± 0.2
3 PLACE ± 0.1

SIP
Cmk
Cpk

OXOC
CHANT SINCERE CO., LTD

SCALE: AS SHOWN

UNIT: mm

DRAWN: SUNNY_LIU

26 Feb 2024

CHECKED: PEARL_HUNG

07 Mar 2024

APPROVED: PEARL_HUNG

07 Mar 2024

ϕ - ∇

SIZE A4

SHEET 7/7

REV. B

TITLE: PDR-
QSFP+ 28G CAGE 1X3 THROUGH BEZEL

PART NO. 5925205XXXX

CODE: X8, X07

CUSTOMER:

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