

AMPHENOL PART NUMBER CONFIGURATION

U90 - H 1 X 1 - 1 X X X

HEAT SINK OPTION

- S** = PIN STYLE HEAT SINK (NICKEL PLATED) AND CLIP (H=6.5mm: SAN HEIGHT)
- 5** = PIN STYLE HEAT SINK (NICKEL PLATED) AND CLIP (H=4.2mm: PCI HEIGHT)
- 6** = PIN STYLE HEAT SINK (NICKEL PLATED) AND CLIP (H=13.5mm: TALL)
- 7** = PIN STYLE HEAT SINK (NICKEL PLATED) AND CLIP (H=13.5mm: TALL)
- D** = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND CLIP (H=6.5mm: SAN HEIGHT)
- F** = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND CLIP (H=4.2mm: PCI HEIGHT)
- E** = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND CLIP (H=13.5mm: TALL)
- N** = PIN-FIN HEAT SINK (NICKEL PLATED) AND CLIP (H=6.5mm: SAN HEIGHT)
- P** = PIN-FIN HEAT SINK (NICKEL PLATED) AND CLIP (H=4.2mm: PCI HEIGHT)
- R** = PIN-FIN HEAT SINK (NICKEL PLATED) AND CLIP (H=13.5mm: TALL)

NOTE: FOR DIMENSION "H" SEE SHEET 2

PACKAGING

- 1** = TRAY PACKAGING W/ HEAT SINK IN SEPARATE TRAY
- A** = TRAY PACKAGING W/ HEAT SINK ASSEMBLED
- T** = TAPE AND REEL PACKAGING W/ HEAT SINK IN SEPARATE TRAY

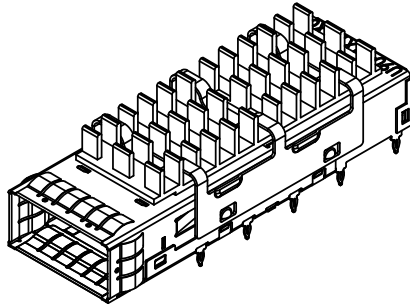
LIGHT PIPE OPTION

- 0** = WITHOUT LIGHT PIPE
- 1** = WITH DUAL ROUND LIGHT PIPE INSTALLED
- 3** = WITH SQUARE LIGHT PIPE INSTALLED (SEE SHEET 3 & 7 FOR DETAILS)
- 7** = WITH SINGLE ROUND LIGHT PIPE INSTALLED

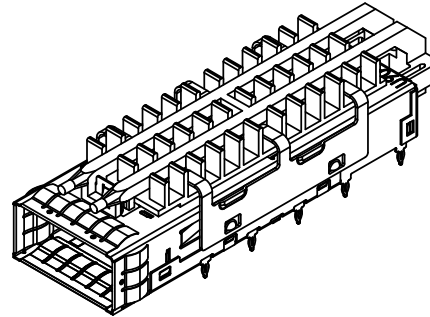
OPTIONAL DUST COVER

- 0** = WITHOUT DUST COVER
- D** = WITH DUST COVER SHIPPED AS LOOSE PIECE)

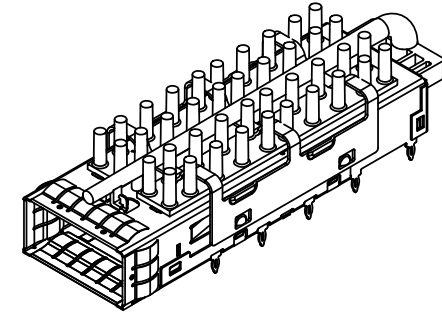
REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



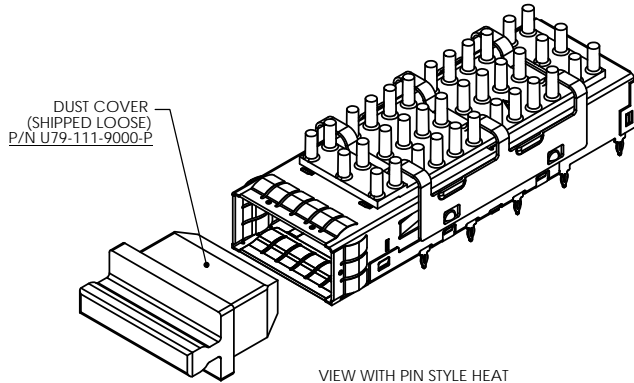
VIEW WITH PIN-FIN STYLE HEAT SINK AND CLIP ASSEMBLED (P/N U90-H1D1-100A)



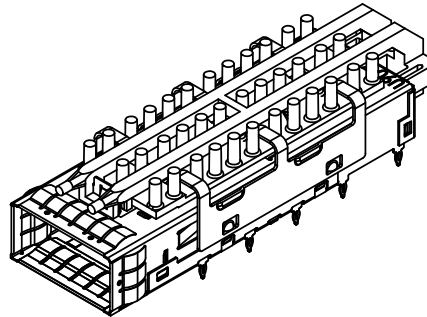
VIEW WITH PIN-FIN STYLE HEAT SINK, CLIP AND LIGHT PIPE ASSEMBLED (P/N U90-H1D1-101A)



VIEW WITH PIN STYLE HEAT SINK, CLIP AND LIGHT PIPE ASSEMBLED (P/N U90-H151-107A)



VIEW WITH PIN STYLE HEAT SINK AND CLIP ASSEMBLED AND DUST COVER (SHIPPED LOOSE) (P/N U90-H151-1D0A)



VIEW WITH PIN STYLE HEAT SINK, CLIP AND LIGHT PIPE ASSEMBLED (P/N U90-H151-101A)

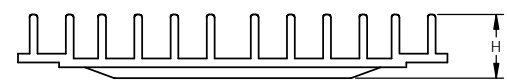
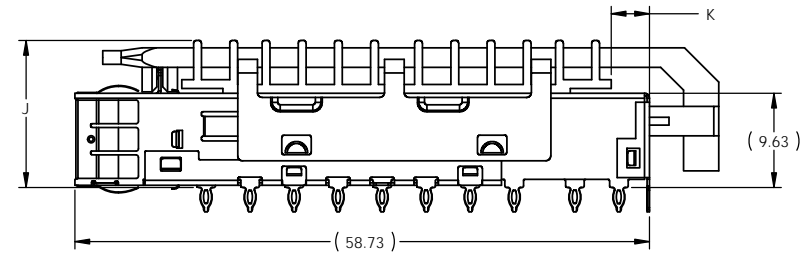
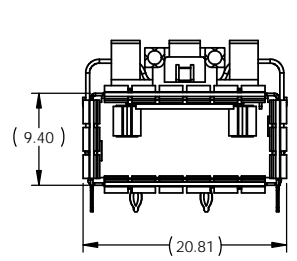
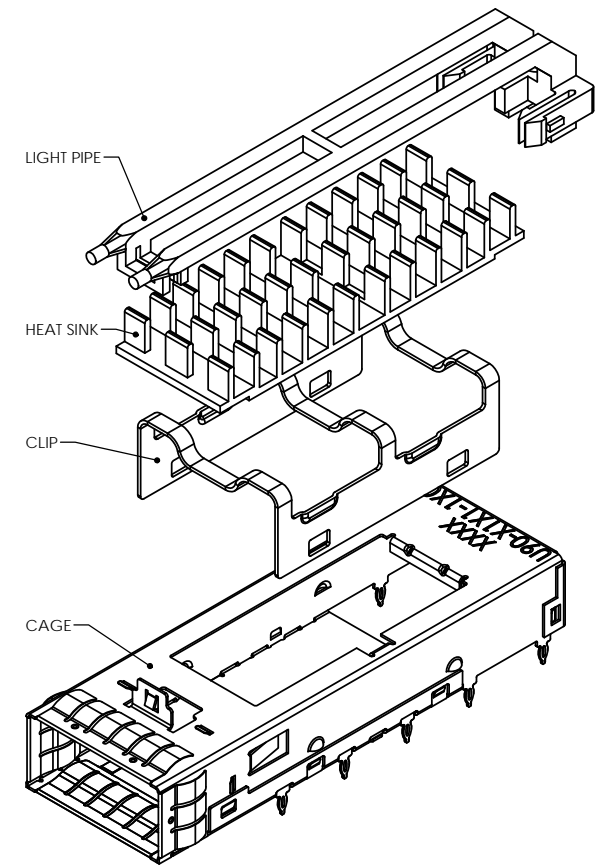
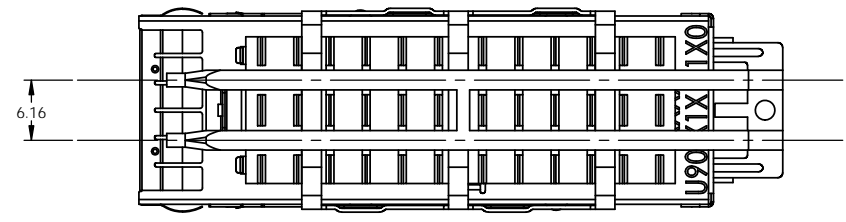


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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS ANGLES .XX ± 0.15 ± 0.5° X.XX ± 0.10	APPROVALS	DATE	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenolhighspeed.com		
	DRAWN ZLJ	SEP 24/08			
	DESIGNED ZLJ	SEP 24/08	OSFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE		
	CHECKED J.SI	SEP 24/08			
MATERIAL AND FINISH	SEE NOTE 1	E APPD A.GREEN	SIZE DWG. NO. A3 P-U90-H1X1-1XXX	REV J	
CODE IDENT NO. 03554	DWG APPD A.GREEN	SEP 24/08	SCALE PROJECT 2:1	SHEET 1 OF 8	

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



PART NUMBER	DIM "J"	DIM "H"	DIM "K"
U90-H151-1XXX	15.03	6.50	3.90
U90-H161-1XXX	12.73	4.20	
U90-H171-1XXX	22.03	13.50	
U90-H1D1-1XXX	15.03	6.50	
U90-H1E1-1XXX	12.73	4.20	
U90-H1F1-1XXX	22.03	13.50	
U90-H1N1-1XXX	15.03	6.50	
U90-H1P1-1XXX	12.73	4.20	
U90-H1R1-1XXX	22.03	13.50	

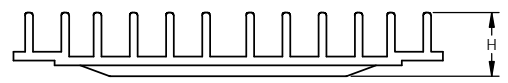
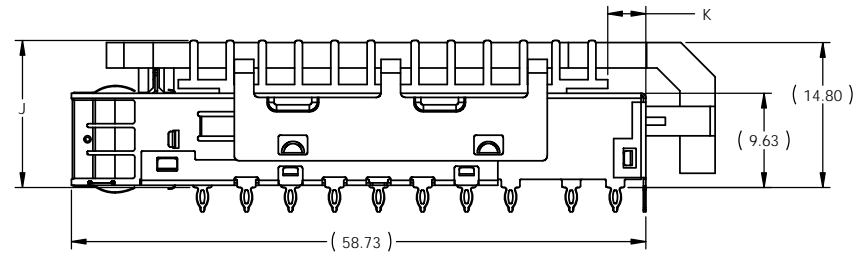
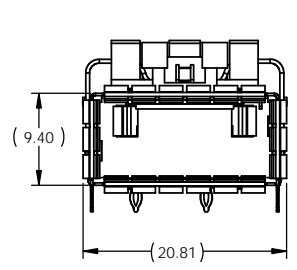
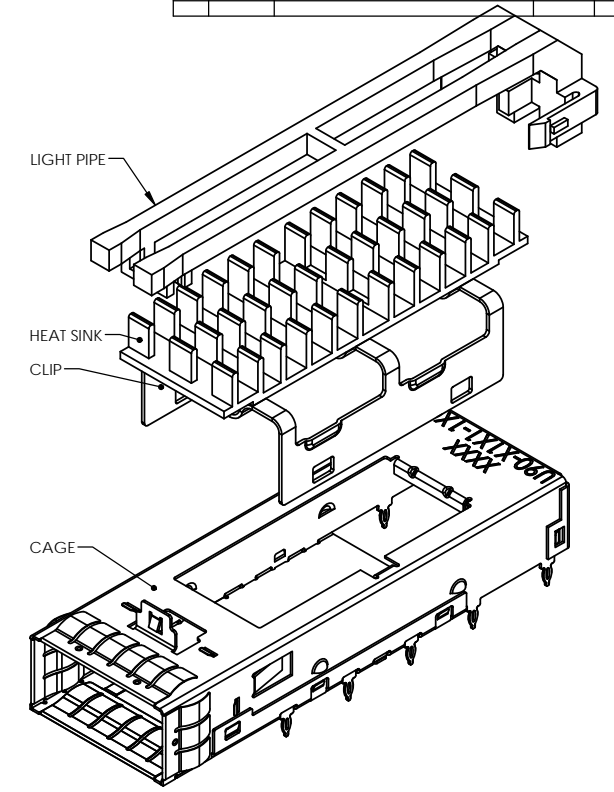
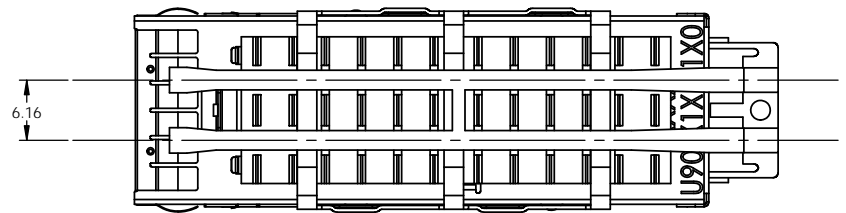
- NOTES:
- CAGE AND EMI SPRINGS MATERIAL: COPPER ALLOY
CAGE PLATING: 2.54µm [100µ"] MIN. NICKEL.
HEAT SINK CLIP MATERIAL: STEEL ALLOY
HEAT SINK MATERIAL: ALUMINUM
LIGHT PIPE MATERIAL: GE LEXAN CLEAR OPTICAL GRADE
 - CAGE IS INTENDED TO BE COMPLIANT WITH THE QUAD SMALL FORM-FACTOR PLUGGABLE (QSFP) TRANSCEIVER SPECIFICATION REVISION 1.0.

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	DRAWN	ZLJ	SEP 24/08	TITLE	
	DESIGNED	ZLJ	SEP 24/08	OSFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE	
	CHECKED	J.SI	SEP 24/08		
MATERIAL AND FINISH	SEE NOTE 1		SIZE	DWG. NO.	REV.
REF.	E APPD		A3	P-U90-H1X1-1XXX	J
CODE IDENT NO.	DWG APPD	SEP 24/08	SCALE	PROJECT	SHEET
03554	A.GREEN		2:1		2 OF 8

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



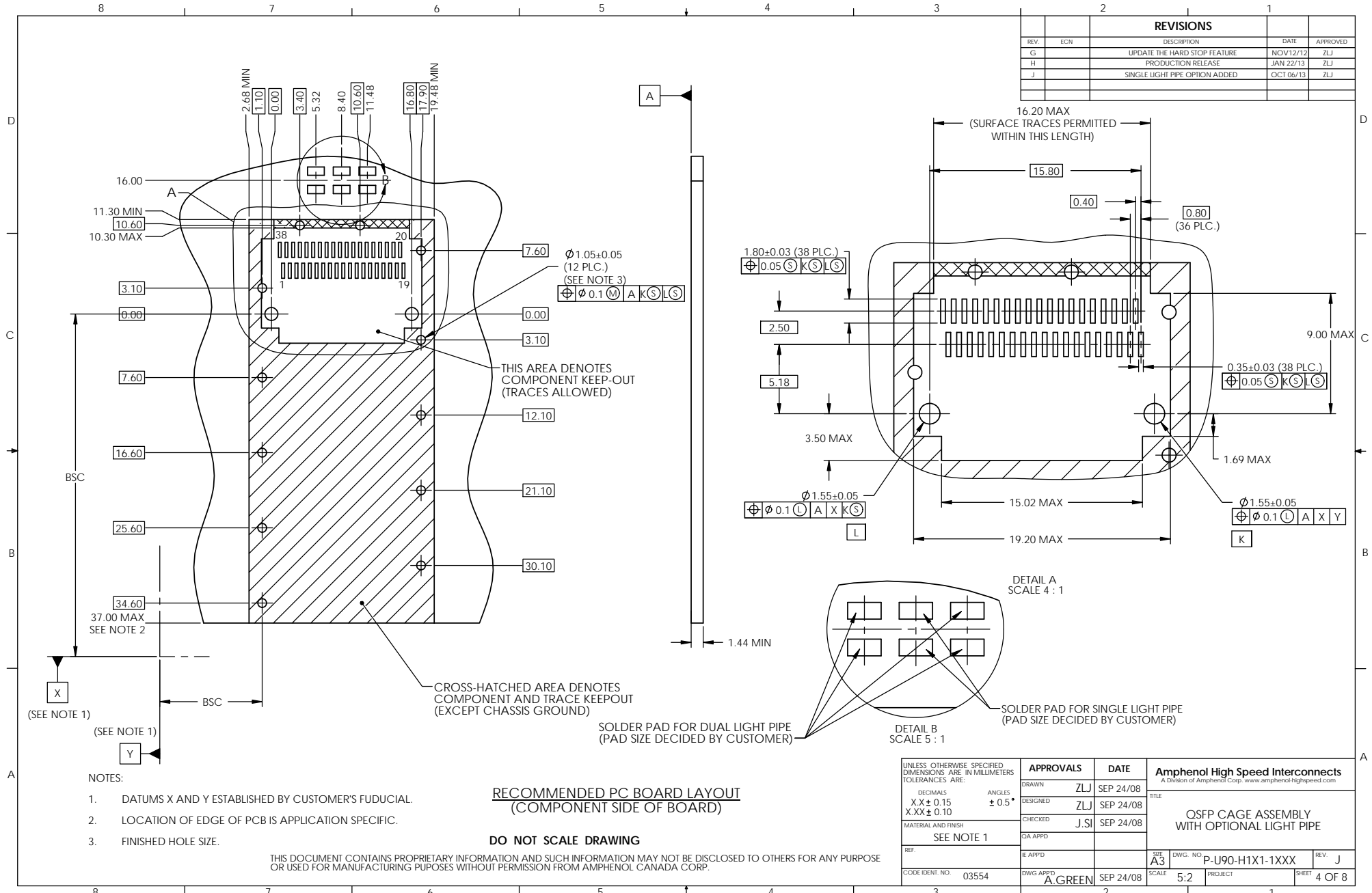
NOTE:
1. FOR DIMENSION "H", "J" AND "K" SEE SHEET 2.

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	DRAWN ZLJ	SEP 24/08	TITLE		
	DESIGNED ZLJ	SEP 24/08	OSFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE		
	CHECKED J.SI	SEP 24/08	<small>SIZE DWG. NO. REV.</small> A3 P-U90-H1X1-1XXX J		
REF.	E APPD		SCALE	PROJECT	SHEET
CODE IDENT NO. 03554	DWG APPD A.GREEN	SEP 24/08	2:1		3 OF 8

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



(SEE NOTE 1)
X

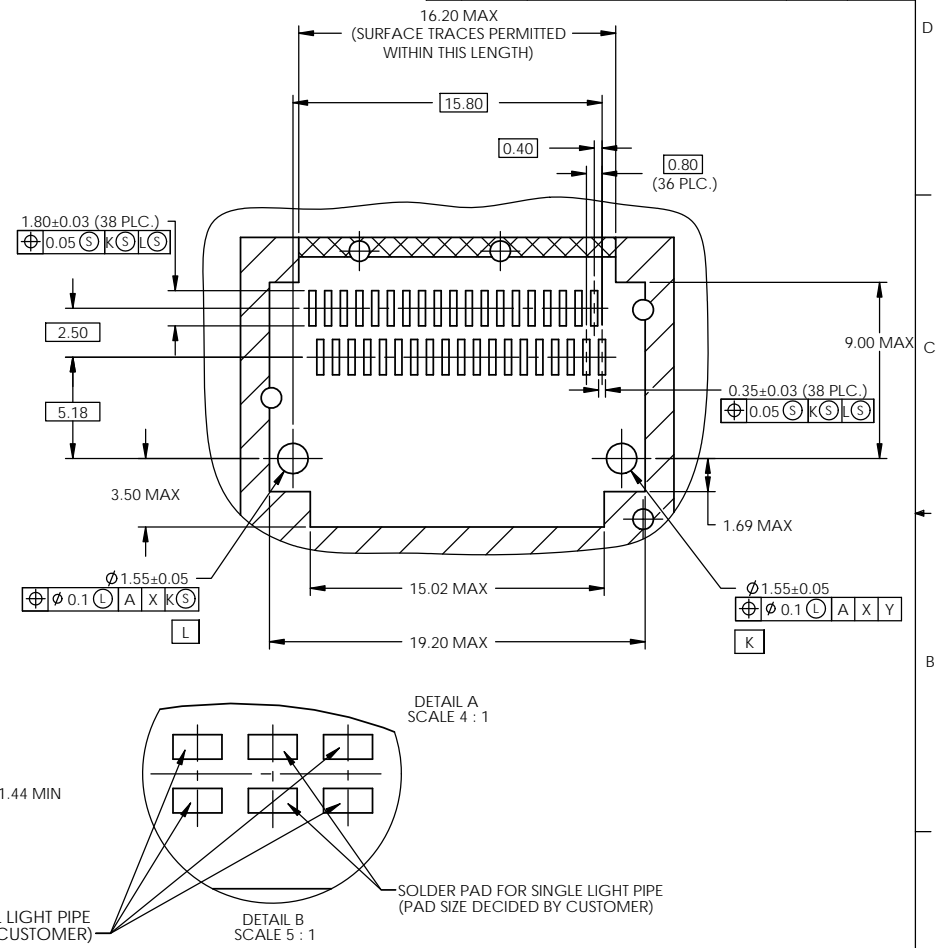
(SEE NOTE 1)
Y

- NOTES:
- DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FUDICIAL.
 - LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
 - FINISHED HOLE SIZE.

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)

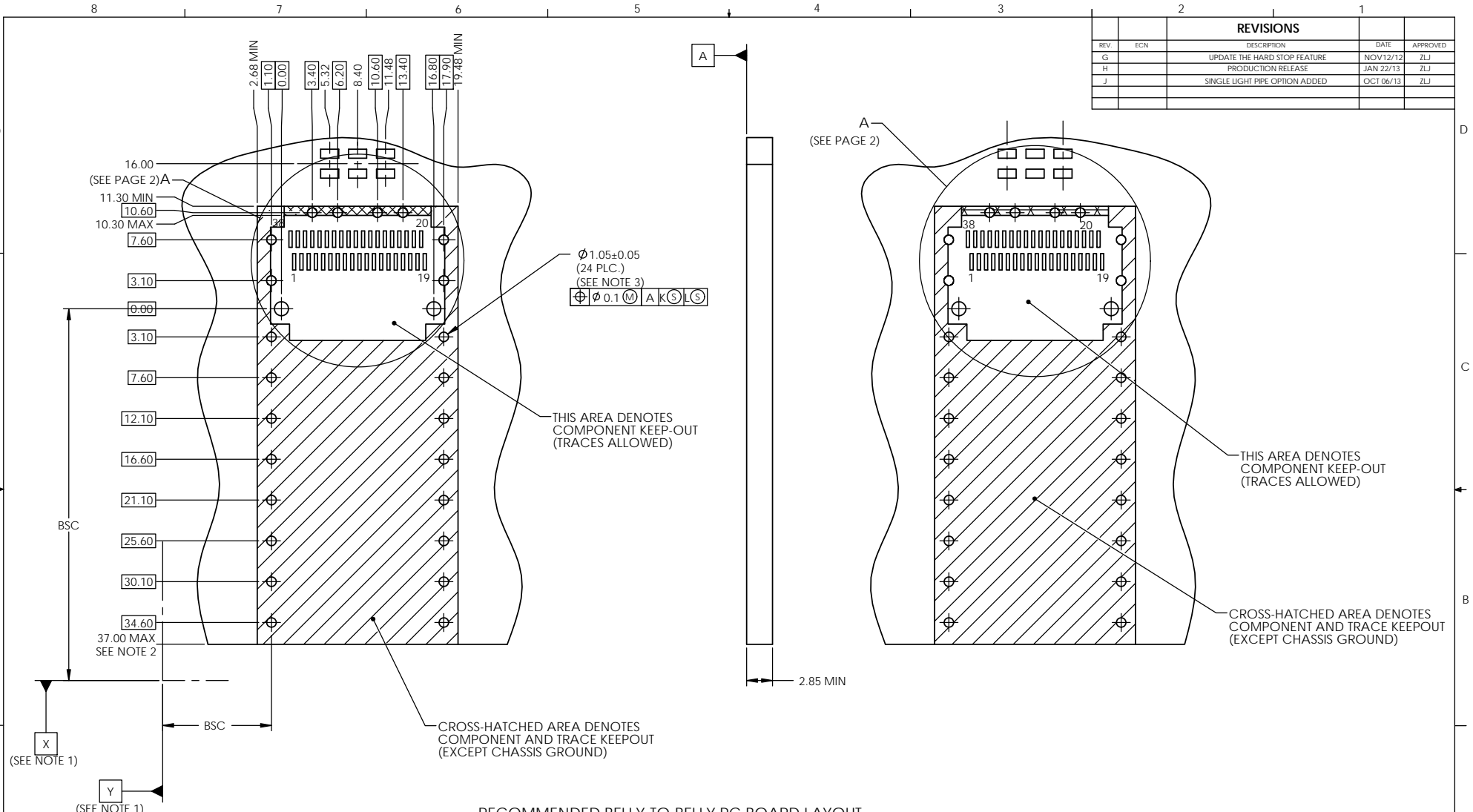
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	DRAWN ZLJ	SEP 24/08	TITLE	
	DESIGNED ZLJ	SEP 24/08	QSPF CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE	
	CHECKED J.SI	SEP 24/08	SIZE A3 DWG. NO. P-U90-H1X1-1XXX SCALE 5:2 PROJECT SHEET 4 OF 8	
	SEP 24/08			

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



**RECOMMENDED BELLY-TO-BELLY PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)**

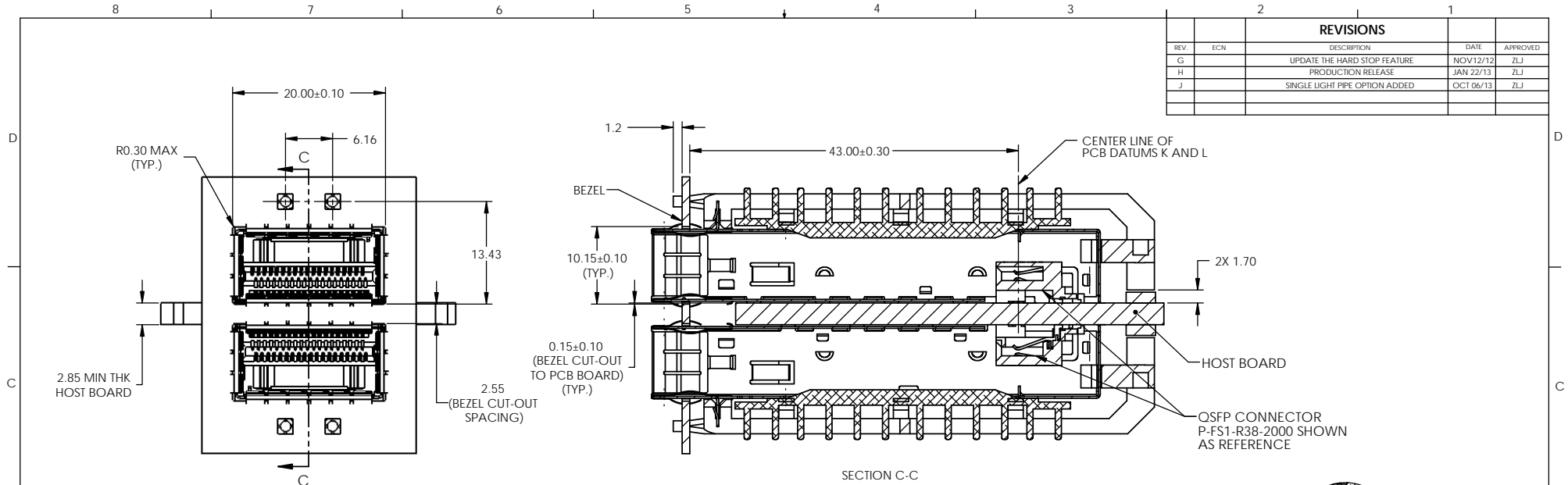
- NOTES:
- DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FUDICIAL.
 - LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
 - FINISHED HOLE SIZE.

DO NOT SCALE DRAWING

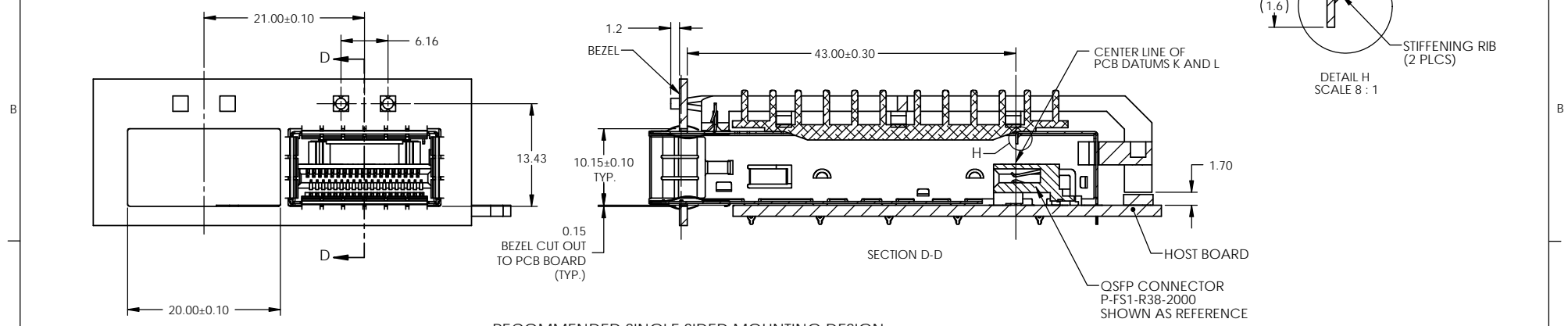
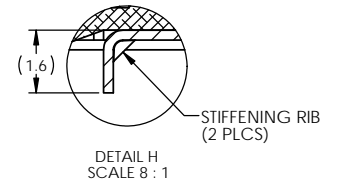
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	DRAWN ZLJ	SEP 24/08	TITLE	
	DESIGNED ZLJ	SEP 24/08	OSFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE	
	CHECKED J.SI	SEP 24/08	REV J	
	EA APPD		SIZE A3	DWG. NO. P-U90-H1X1-1XXX
	E APPD		SCALE 5:2	PROJECT
	DWG APPD A.GREEN	SEP 24/08	SHEET 5 OF 8	

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



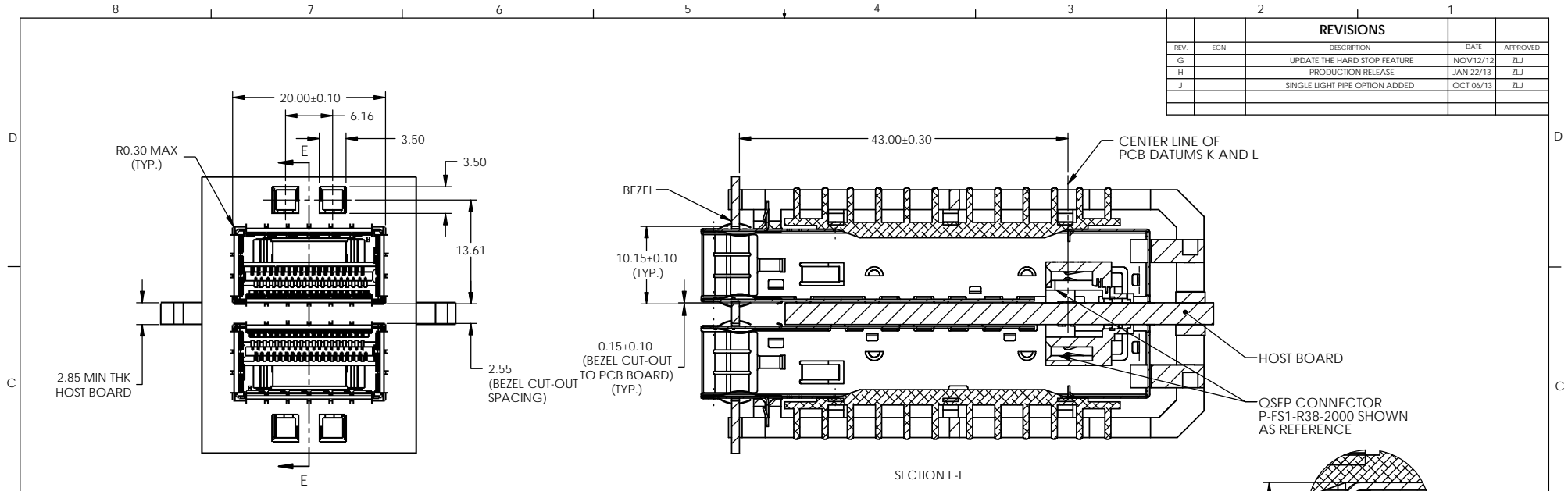
RECOMMENDED SINGLE SIDED MOUNTING DESIGN

DO NOT SCALE DRAWING

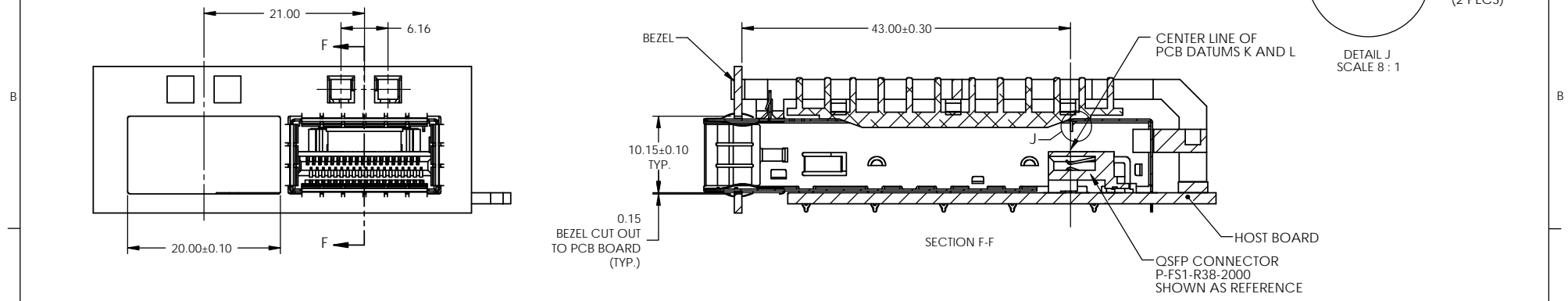
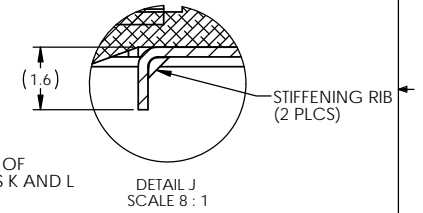
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	DRAWN: ZLJ	SEP 24/08			
	DESIGNED: ZLJ	SEP 24/08	SIZE: A3	DWG. NO: P-U90-H1X1-1XXX	REV: J
	CHECKED: J.SI	SEP 24/08	SCALE: 2:1	PROJECT:	SHEET: 6 OF 8
	DATE APPD:		DWG APPD: A.GREEN	SEP 24/08	

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



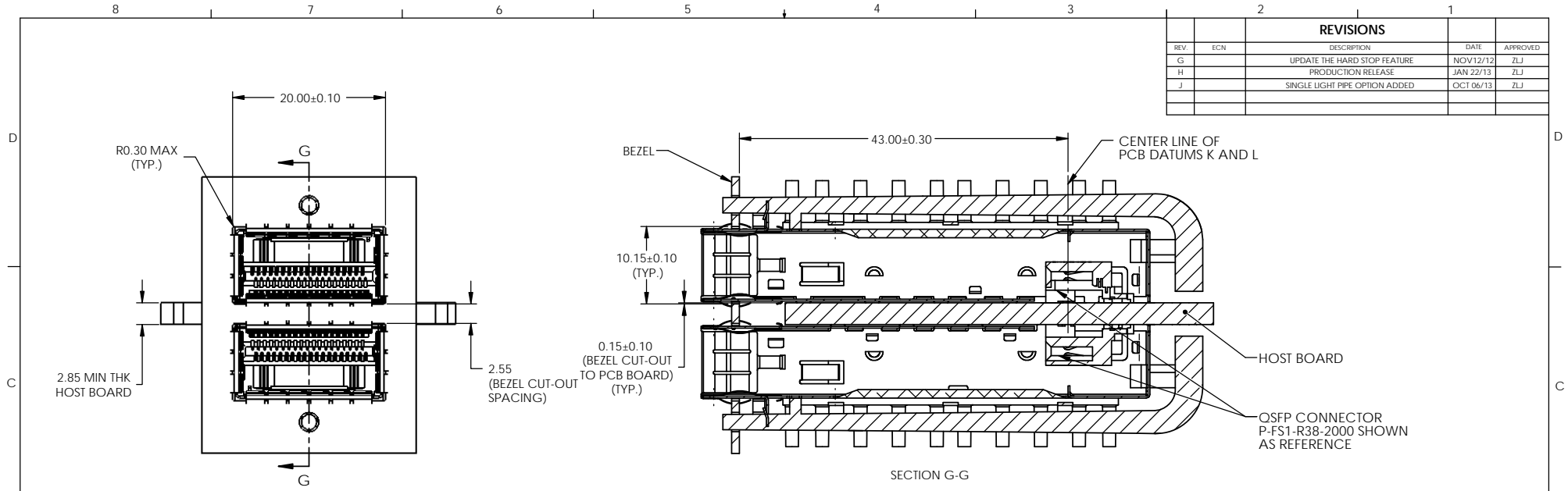
RECOMMENDED SINGLE SIDED MOUNTING DESIGN

DO NOT SCALE DRAWING

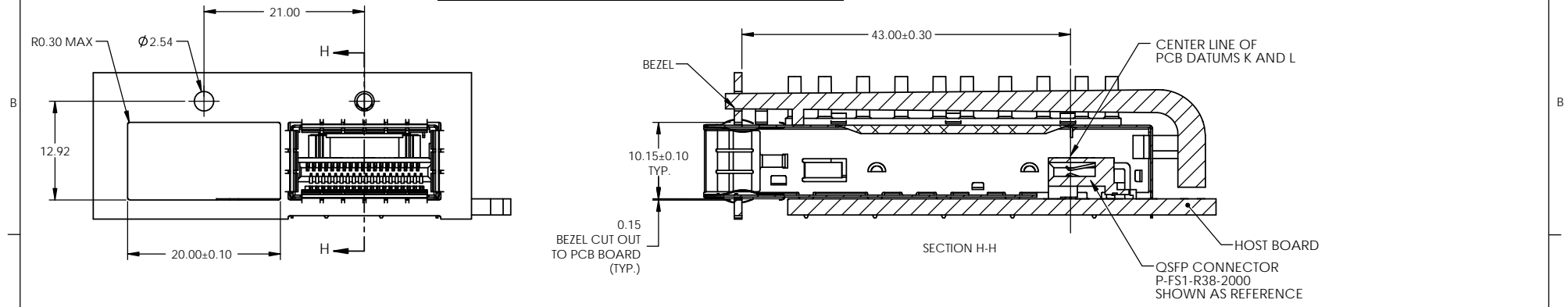
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	DRAWN: ZLJ	SEP 24/08			
	DESIGNED: ZLJ	SEP 24/08	SIZE: A3	DWG. NO: P-U90-H1X1-1XXX	REV: J
	CHECKED: J.SI	SEP 24/08	SCALE: 2:1	PROJECT:	SHEET: 7 OF 8
REF:	E APPD:				
CODE IDENT NO: 03554	DWG APPD: A.GREEN	SEP 24/08			

REVISIONS				
REV	ECN	DESCRIPTION	DATE	APPROVED
G		UPDATE THE HARD STOP FEATURE	NOV12/12	ZLJ
H		PRODUCTION RELEASE	JAN 22/13	ZLJ
J		SINGLE LIGHT PIPE OPTION ADDED	OCT 06/13	ZLJ



RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



RECOMMENDED SINGLE SIDED MOUNTING DESIGN

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	DRAWN ZLJ	SEP 24/08			TITLE	
	DESIGNED ZLJ	SEP 24/08	QSFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE			
	CHECKED J.SI	SEP 24/08				
MATERIAL AND FINISH	SEE NOTE 1	SCALE	SIZE	DWG. NO.	REV.	
REF.		SCALE	A3	P-U90-H1X1-1XXX	J	
CODE IDENT. NO.	03554	DWG. APP'D	A.GREEN	SEP 24/08	PROJECT	SHEET
						8 OF 8

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

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