

AMPHENOL PART NUMBER CONFIGURATION

U90 - A 1 X 1 - 1 X 0 X

HEAT SINK OPTION
8 = ANODIZED, BLACK
9 = NICKEL PLATED

PACKAGING

1 = TRAY PACKAGING W/ HEAT SINK IN SEPARATE TRAY
A = TRAY PACKAGING W/ HEAT SINK ASSEMBLED
I = TAPE AND REEL PACKAGING W/ HEAT SINK IN SEPARATE TRAY

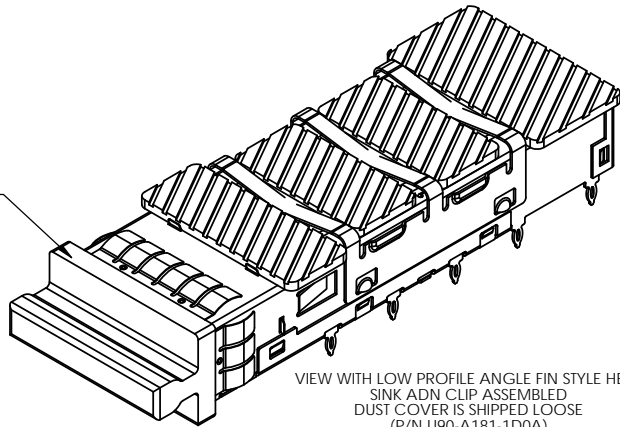
OPTIONAL DUST COVER

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

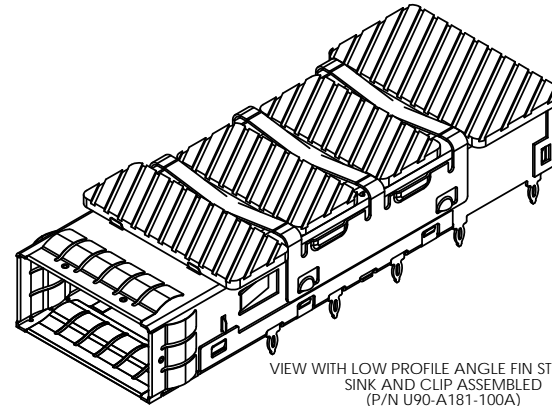
REVISIONS

REV	ECN	DESCRIPTION	DATE	APPROVED
A		INITIAL RELEASE	NOV 13/10	ZLJ
B		RAISED HEAT SINK POSITION	NOV 24/10	ZLJ
C		2.5 mm DIMENSION ADDED	FEB 06/11	ZLJ
D		HEAT SINK PLATING OPTION ADDED	FEB 22/11	ZLJ
E		HEAT SINK PLATING OPTION MODIFIED	AUG 26/11	ZLJ
F		ADD DIMENSIONS IN PAGE 2	SEP 12/12	ZLJ
G		UPDATED TOLERANCE	AUG 19/15	J.S.

DUST COVER
 (SHIPPED LOOSE)
 P/N U79-111-9000-P



VIEW WITH LOW PROFILE ANGLE FIN STYLE HEAT SINK AND CLIP ASSEMBLED
 DUST COVER IS SHIPPED LOOSE
 (P/N U90-A181-1D0A)



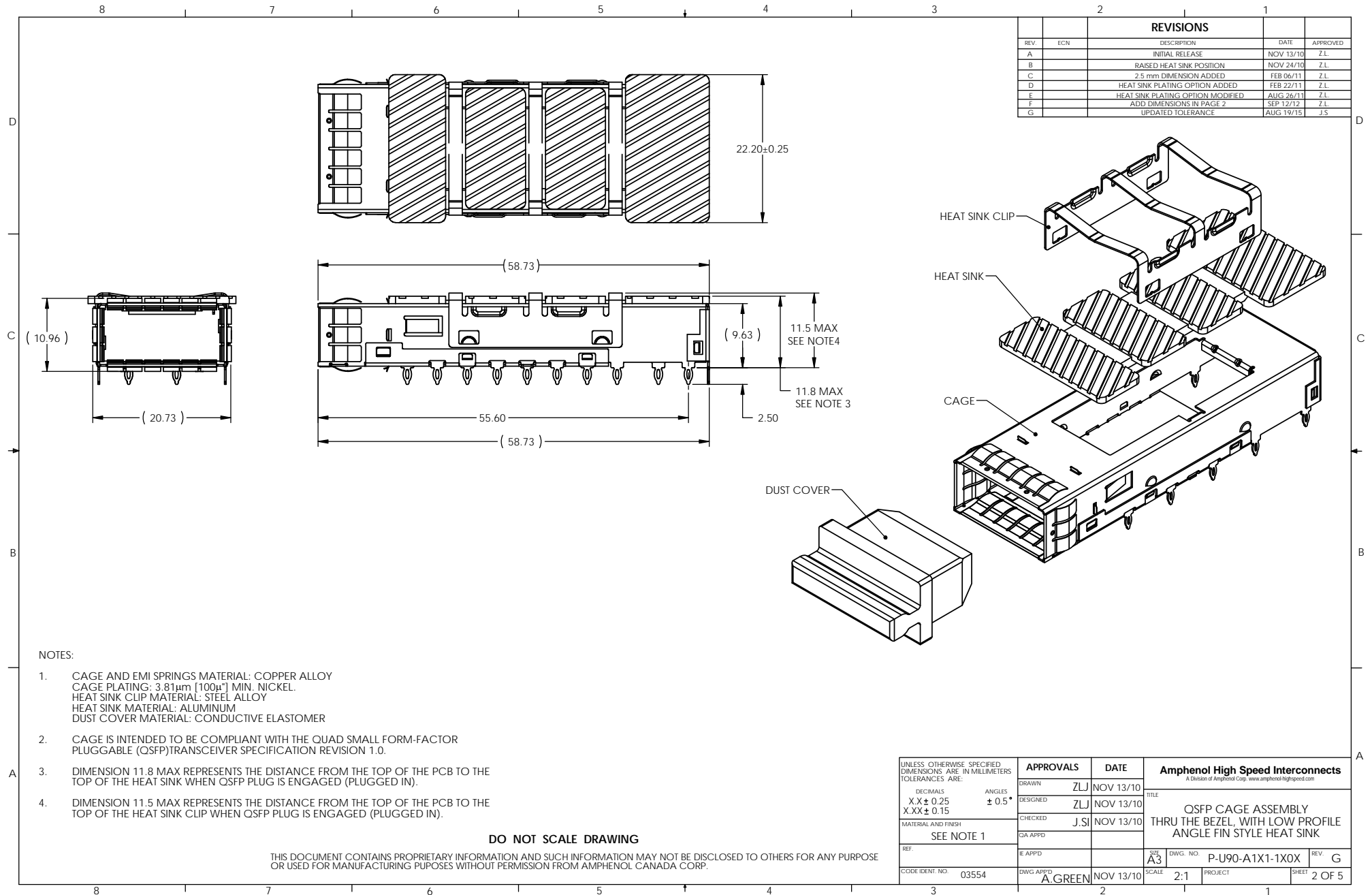
VIEW WITH LOW PROFILE ANGLE FIN STYLE HEAT SINK AND CLIP ASSEMBLED
 (P/N U90-A181-100A)



DO NOT SCALE DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE		Amphenol High Speed Interconnects <small>A Division of Amphenol Corp. www.amphenolhighspeed.com</small>	
DIGITALS X.X ± 0.15 X.XX ± 0.10		ANGLES ± 0.5°		DRAWN	ZLJ	NOV 13/10	TITLE
MATERIAL AND FINISH		CHECKED		DESIGNED	ZLJ	NOV 13/10	OSFP CAGE ASSEMBLY THRU THE BEZEL, WITH LOW PROFILE ANGLE FIN STYLE HEAT SINK
SEE NOTE 1		J.S.		CIA APPD			
REF	E APPD	DWG APPD	A.GREEN	NOV 13/10	SCALE	2:1	PROJECT
CODE IDENT NO:	03554	SCALE	2:1	PROJECT			SHEET 1 OF 5

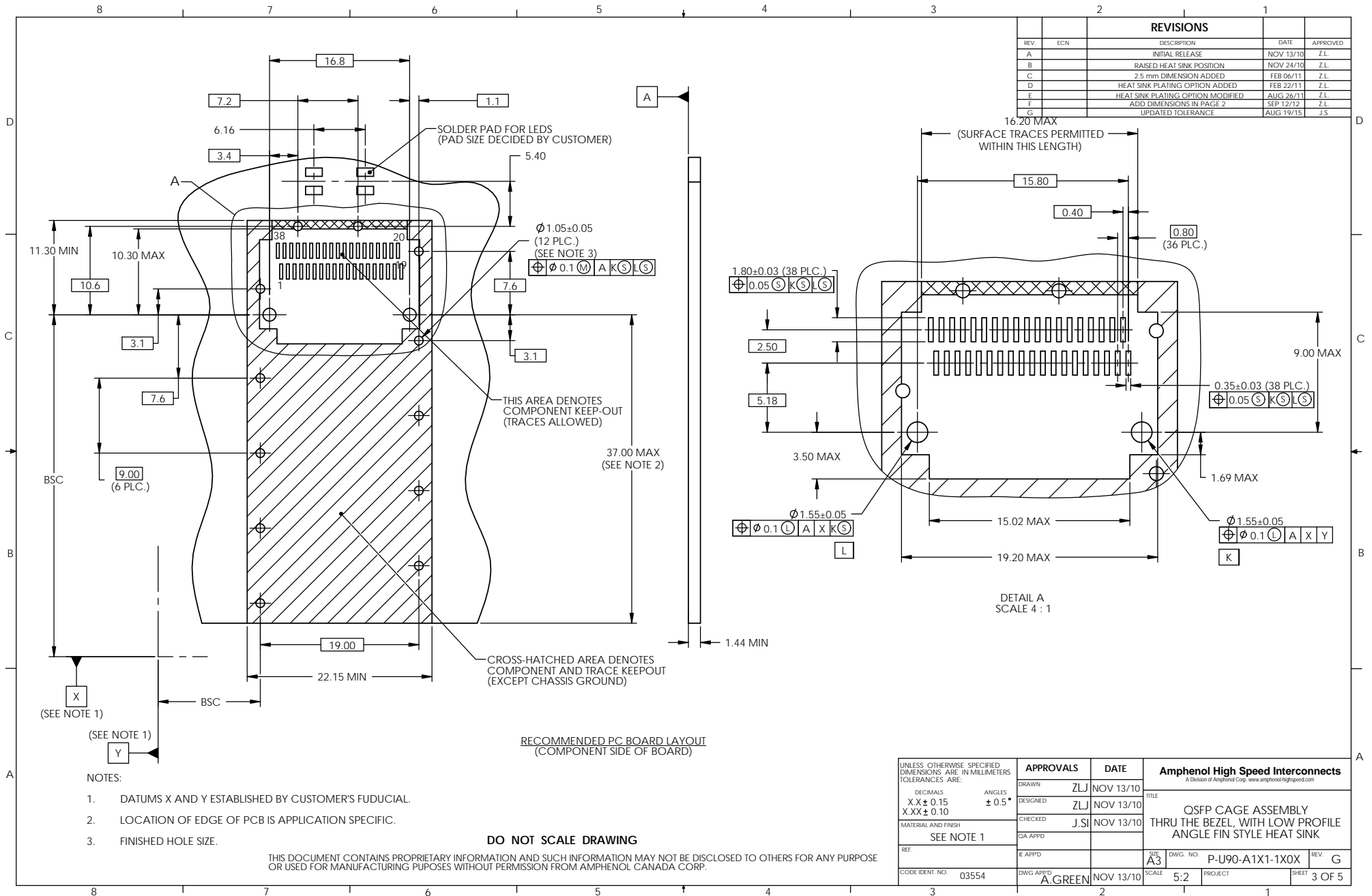


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- NOTES:
- CAGE AND EMI SPRINGS MATERIAL: COPPER ALLOY
CAGE PLATING: 3.81µm [100µ"] MIN. NICKEL.
HEAT SINK CLIP MATERIAL: STEEL ALLOY
HEAT SINK MATERIAL: ALUMINUM
DUST COVER MATERIAL: CONDUCTIVE ELASTOMER
 - CAGE IS INTENDED TO BE COMPLIANT WITH THE QUAD SMALL FORM-FACTOR PLUGGABLE (QSFP) TRANSCEIVER SPECIFICATION REVISION 1.0.
 - DIMENSION 11.8 MAX REPRESENTS THE DISTANCE FROM THE TOP OF THE PCB TO THE TOP OF THE HEAT SINK WHEN QSFP PLUG IS ENGAGED (PLUGGED IN).
 - DIMENSION 11.5 MAX REPRESENTS THE DISTANCE FROM THE TOP OF THE PCB TO THE TOP OF THE HEAT SINK CLIP WHEN QSFP PLUG IS ENGAGED (PLUGGED IN).

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DIGITALS: X.X ± 0.25 X.XX ± 0.15		ANGLES: ± 0.5°		DRAWN	ZLJ	NOV 13/10	TITLE
MATERIAL AND FINISH		SEE NOTE 1		DESIGNED	ZLJ	NOV 13/10	OSFP CAGE ASSEMBLY THRU THE BEZEL, WITH LOW PROFILE ANGLE FIN STYLE HEAT SINK
REF		EA APPD		CHECKED	J.S	NOV 13/10	
CODE IDENT NO:	03554	E APPD		SCALE			
		DWG APPD	A.GREEN	SCALE	2:1	NOV 13/10	
				SCALE	2:1		
				PROJECT			
				REV	G		
				SHEET	2 OF 5		



REVISIONS				
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DETAIL A
SCALE 4 : 1

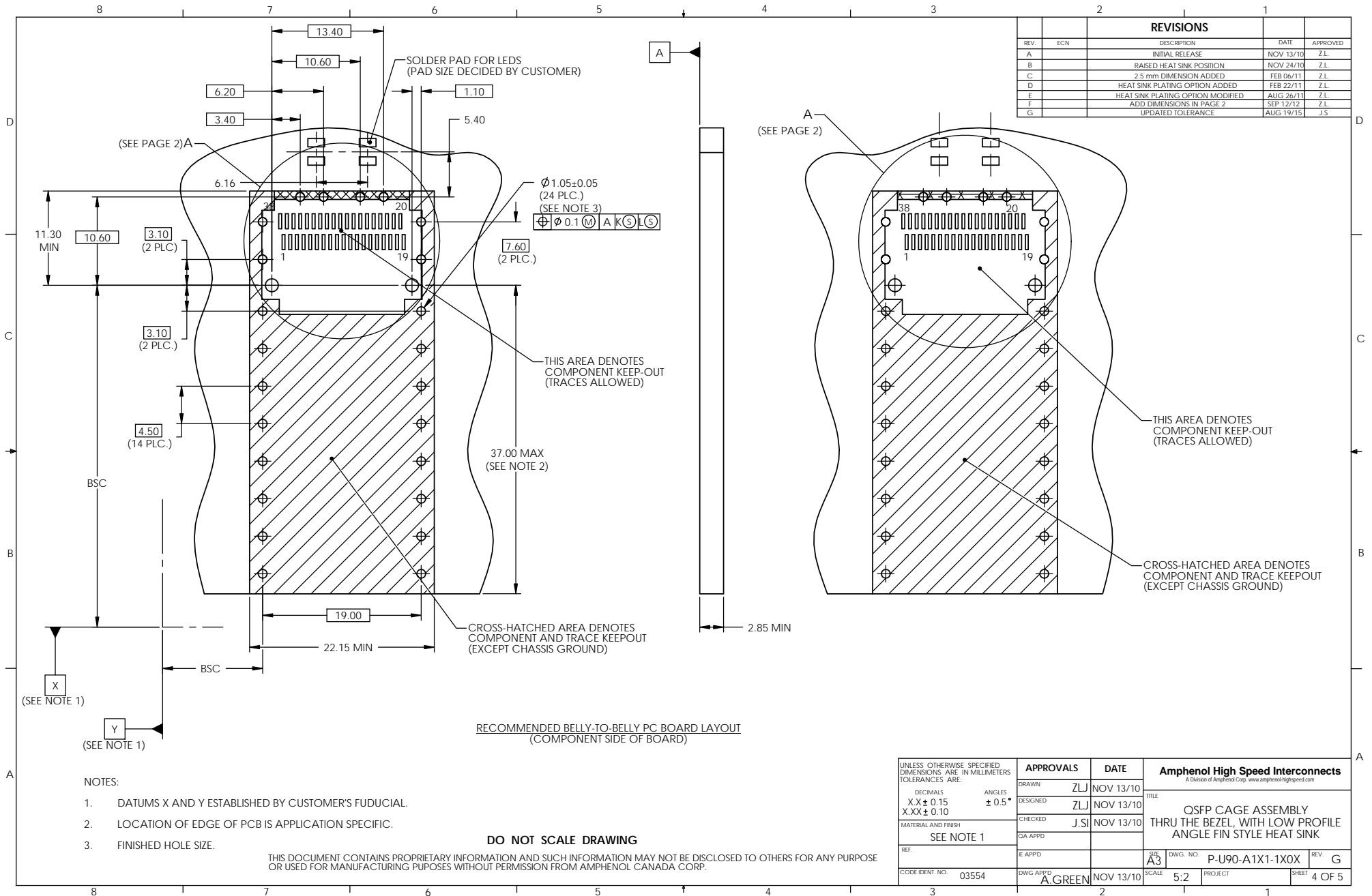
RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)

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

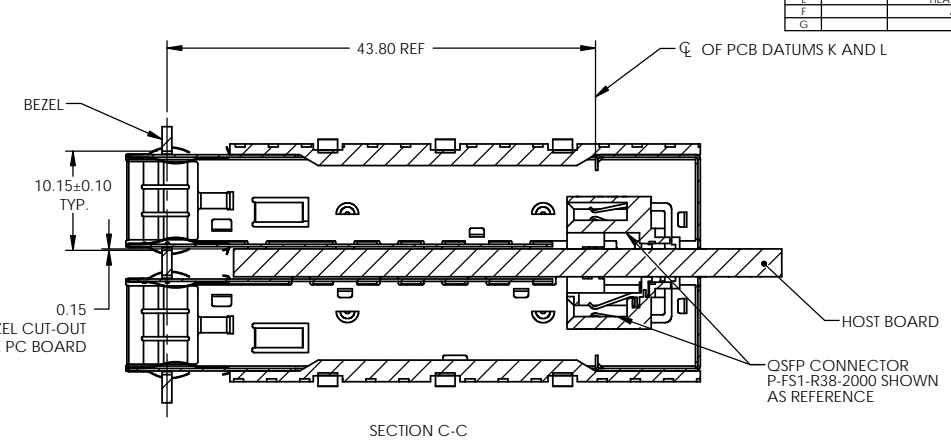
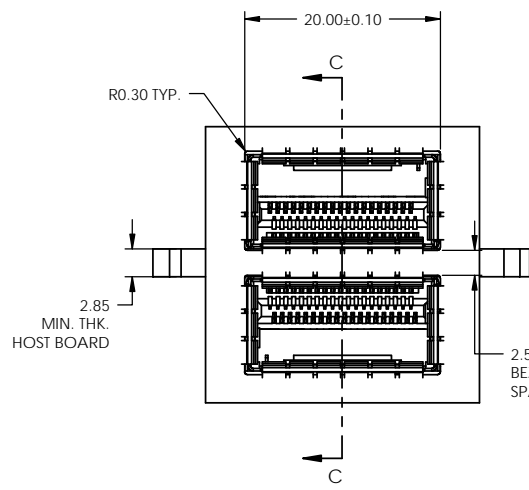
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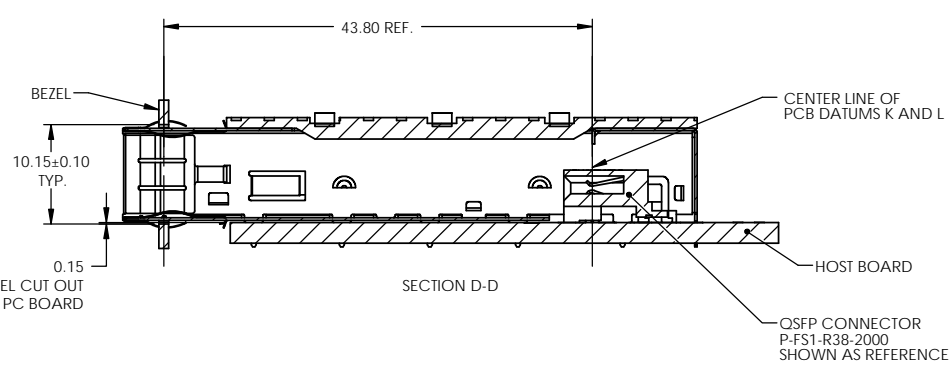
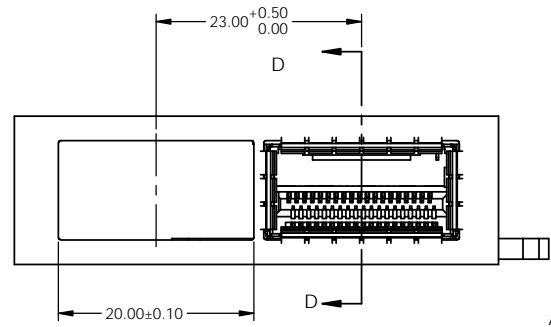
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	DRAWN	ZLJ	NOV 13/10	TITLE OSFP CAGE ASSEMBLY THRU THE BEZEL, WITH LOW PROFILE ANGLE FIN STYLE HEAT SINK
	DESIGNED	ZLJ	NOV 13/10	
	CHECKED	J.SJ	NOV 13/10	
	CA APPD		SEE A3	DWG. NO: P-U90-A1X1-1X0X
	E APPD		SCALE 5:2	PROJECT
	DWG APPD	A.GREEN	NOV 13/10	REV G
				SHEET 3 OF 5



REVISIONS				
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RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



RECOMMENDED SINGLE SIDED MOUNTING DESIGN

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	CHECKED	J.SI	NOV 13/10	
	CA APPD			
	E APPD		SIZE	DWG. NO.
			A3	P-U90-A1X1-1X0X
	DWG APPD	NOV 13/10	SCALE	PROJECT
	A.GREEN		2:1	
				REV
				G
				SHEET
				5 OF 5