



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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AMPHENOL PART NUMBER CONFIGURATION

U90 - T1 X 1 - 1 X X X

HEAT SINK OPTION

- 5 = PIN STYLE HEAT SINK (NICHEL PLATED) AND C LIP (H=6.5mm; SAN HEIG HT)
- 6 = PIN STYLE HEAT SINK (NICHEL PLATED) AND C LIP (H=4.2mm; PC I HEIG HT)
- 7 = PIN STYLE HEAT SINK (NICHEL PLATED) AND C LIP (H=13.5mm; TALL)
- D = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND C LIP (H=6.5mm; SAN HEIG HT)
- E = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND C LIP (H=4.2mm; PC I HEIG HT)
- F = PIN-FIN HEAT SINK (ANODIZED, BLACK) AND C LIP (H=13.5mm; TALL)
- N = PIN-FIN HEAT SINK (NICHEL PLATED) AND C LIP (H=6.5mm; SAN HEIG HT)
- P = PIN-FIN HEAT SINK (NICHEL PLATED) AND C LIP (H=4.2mm; PC I HEIG HT)
- R = PIN-FIN HEAT SINK (NICHEL PLATED) AND C LIP (H=13.5mm; TALL)

NOTE: FOR DIMENSION "H" LOCATIONS SEE SHEET 2

PACKAGING

- I = 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

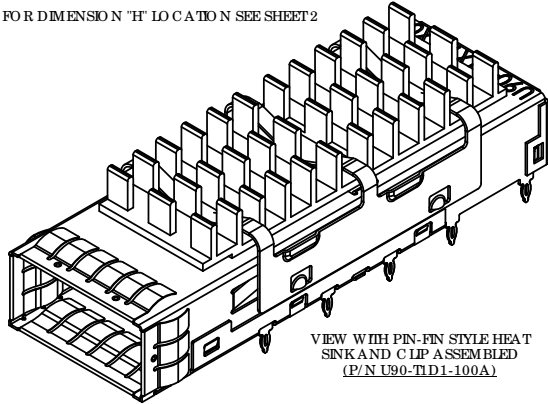
LIGHT PIPE OPTION

- 0 = WITH OPTICAL LIGHT PIPE
- L = WITH LIGHT PIPE

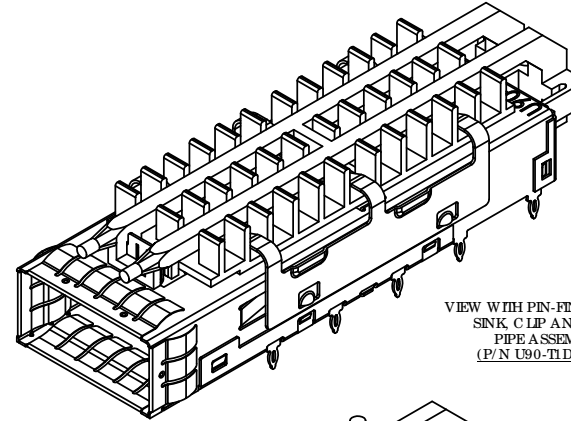
OPTIONAL DUST COVER

- 0 = WITH OPTICAL DUST COVER
- D = WITH DUST COVER SHIPPED AS LOOSE PIECE

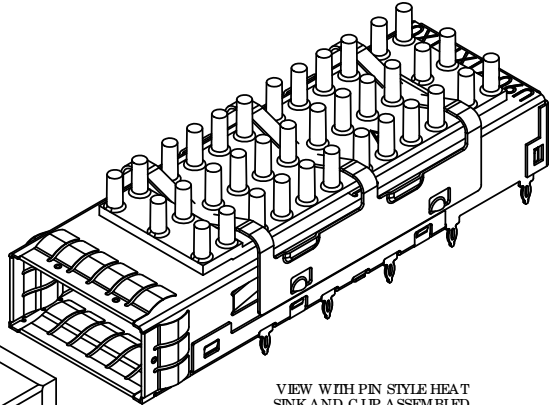
REVISIONS				
REV.	BY	DESCRIPTION	DATE	APPROVED
A		NEW RELEASE	AUG 14/09	ZLJ
B		DIMENSION ADDED	FEB 22/12	ZLJ



VIEW WITH PIN-FIN STYLE HEAT SINK AND C LIP ASSEMBLED (P/N U90-T1D1-100A)

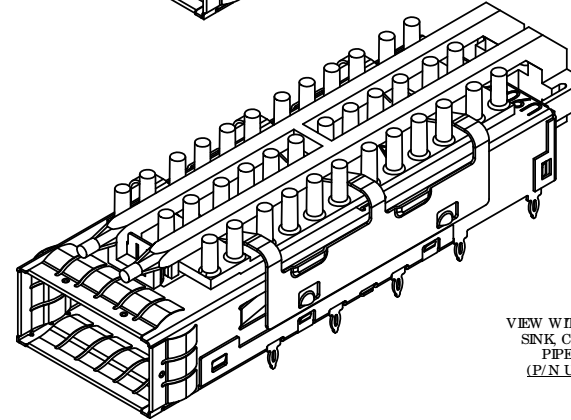


VIEW WITH PIN-FIN STYLE HEAT SINK, C LIP AND LIGHT PIPE ASSEMBLED (P/N U90-T1D1-101A)



VIEW WITH PIN STYLE HEAT SINK AND C LIP ASSEMBLED AND DUST COVER (SHIPPED LOOSE) (P/N U90-T151-1D0A)

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



VIEW WITH PIN STYLE HEAT SINK, C LIP AND LIGHT PIPE ASSEMBLED (P/N U90-T151-101A)

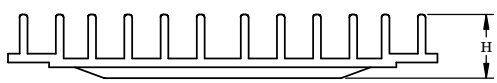
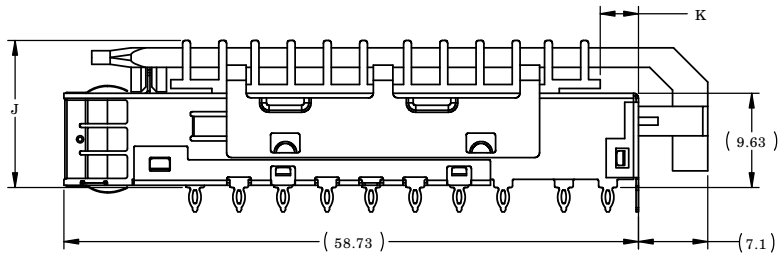
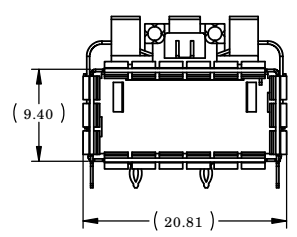
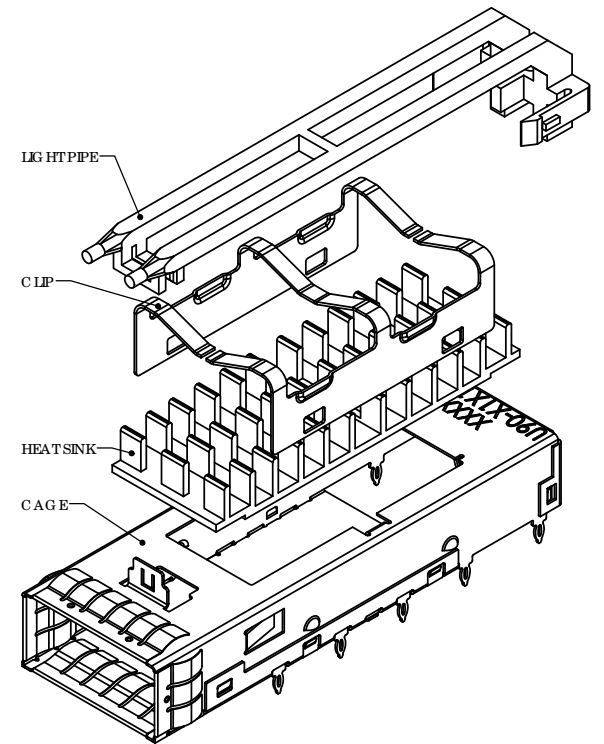
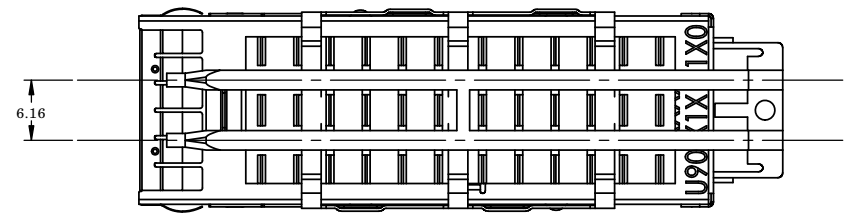


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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TO LEADING DIGIT ARE		APPROVALS		DATE		Amphenol Canada Corp.	
DIM. MAINT. ANGLES XX ± 0.15 ± 0.5° XXX ± 0.10		DRAWN J.HU		FEB 22/12		TITLE	
MATERIAL AND FINISH		DESIGNED ZLJ		MAR 17/09		Q SFP CAGE ASSEMBLY WITH OPTIONAL LIGHT PIPE (WITH LOW PROFILE HEAT SINK C LIP)	
SEE NOTE 1		CHECKED J.SI		MAR 17/09		SIZE DWG. NO. P-U90-T1X1-1XXX REV. B	
REP.		QA APPD.		SCALE 2:1		SUBJECT	
C/O DEPENDENT NO. 03554		DWG APPD. A.GREEN		MAR 17/09		SHEET 1 OF 5	

REVISIONS				
REV.	BY	DESCRIPTION	DATE	APPROVED
B		SEE SHEET 1	FEB 22/12	ZLJ



PART NUMBER	DIM "J"	DIM "H"	DIM "K"
U90-TL51-1X0X	15.03	6.50	3.90
U90-TL61-1X0X	12.73	4.20	
U90-TL71-1X0X	22.03	13.50	
U90-TLD1-1X0X	15.03	6.50	
U90-TLE1-1X0X	12.73	4.20	
U90-TLF1-1X0X	22.03	13.50	
U90-TLN1-1X0X	15.03	6.50	
U90-TLP1-1X0X	12.73	4.20	
U90-TLR1-1X0X	22.03	13.50	

NOTES:

- CAGE AND EMISPRINGS MATERIAL: COPPER ALLOY
CAGE PLATING: 3.81µm [100µ"] MIN. NICKEL
HEAT SINK CLIP MATERIAL: STEEL ALLOY
HEAT SINK MATERIAL: ALUMINUM
LIGHT PIPE MATERIAL: GELXAN CLEAR OPTICAL GRADE
- CAGE IS INTENDED TO BE COMPLIANT WITH THE QUAD SMALL FORM-FACTOR PLUGGABLE (QSFP) TRANSCEIVER SPECIFICATION REVISION 1.0.

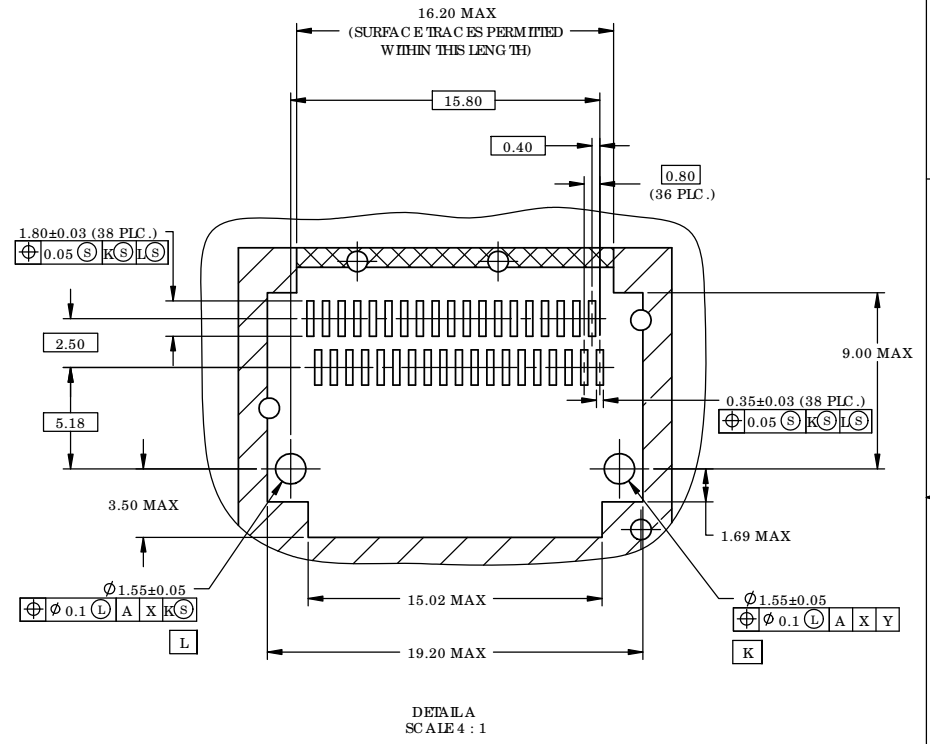
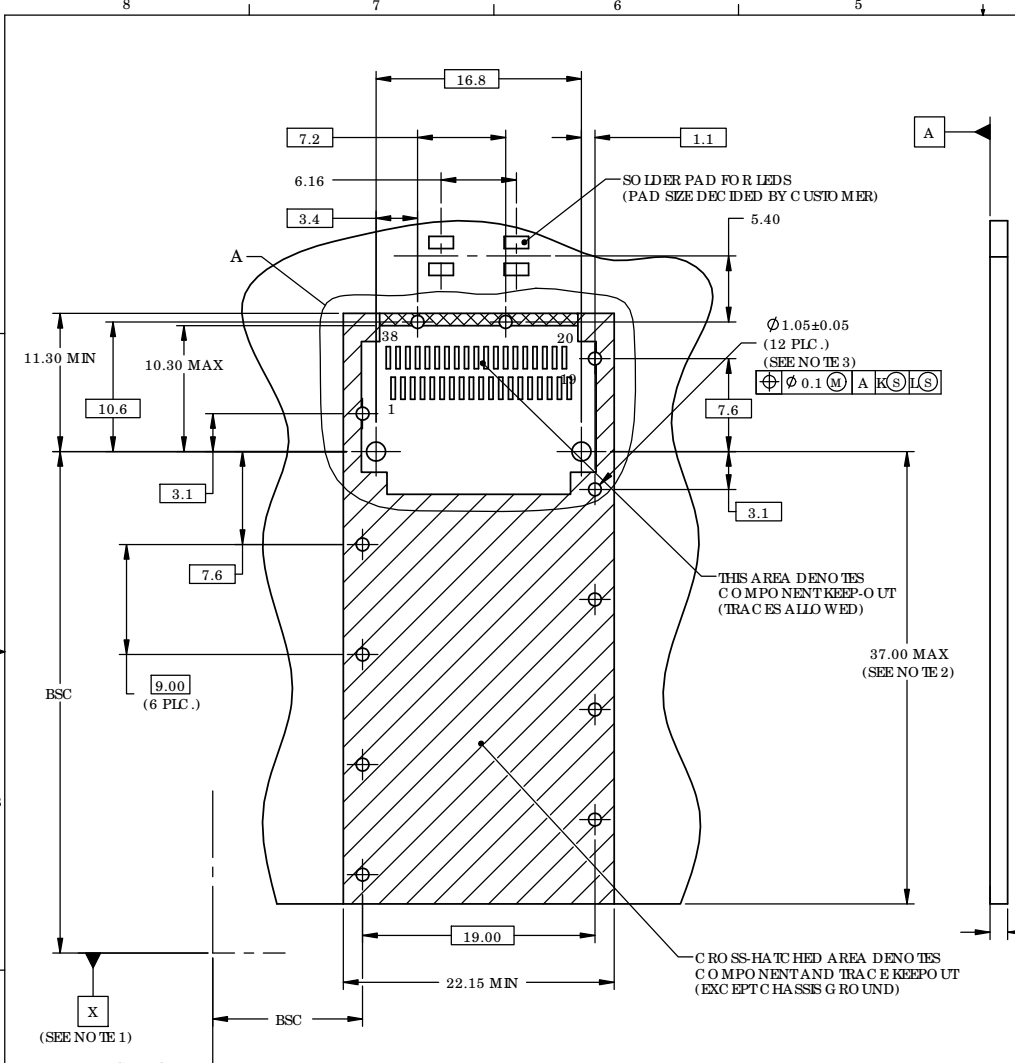


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DRAWN	J.HU	FEB 22/12		TITLE		
DESIGNED	ZLJ	MAR 17/09		Q SFP CAGE ASSEMBLY WITH OPTICAL LIGHT PIPE WITH LOW PROFILE HEAT SINK CLIP		
CHECKED	J.SI	MAR 17/09		SIZE		
MATERIAL FINISH	SEE NOTE 1	QA APPD		DWG. NO. P-U90-TLX1-1XXX		
REV		EAPPD		SCALE		
CODING NO.	03554	A.GREEN		MAR 17/09		2:1
						2 OF 5

REVISIONS				
REV.	BY	DATE	DESCRIPTION	APPROVED
B		FEB 22/12	SEE SHEET 1	ZLJ



RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)

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

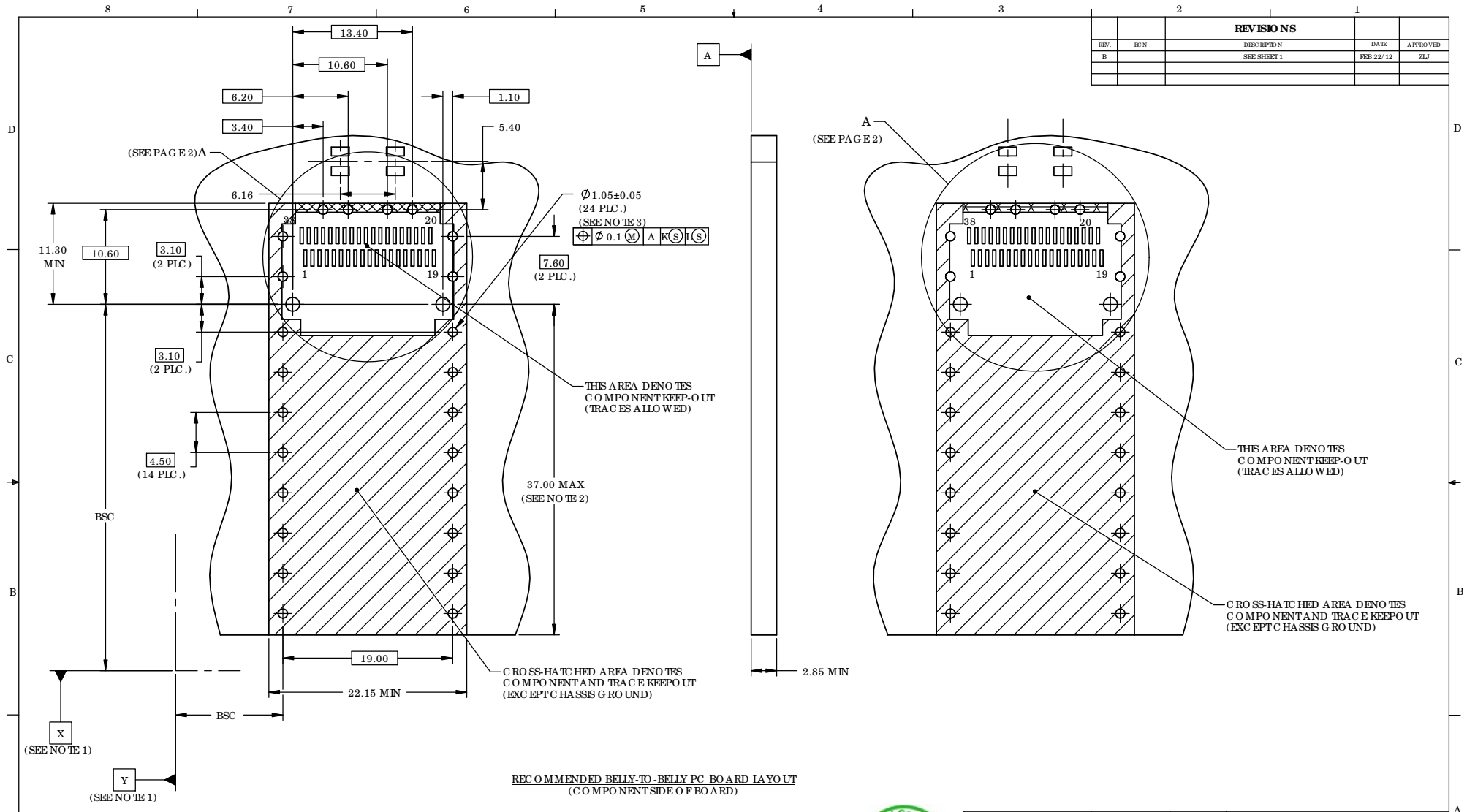
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DRAWN		J.HU		FEB 22/12		TITLE	
DESIGNED		ZLJ		MAR 17/09		Q SFP CAGE ASSEMBLY WITH OPTICAL LIGHT PIPE WITH LOW PROFILE HEAT SINK CLIP	
CHECKED		J.SI		MAR 17/09		SCALE	
MATERIAL AND FINISH		QA APPD				REV. B	
SEE NOTE 1		EAPPD				DWG. NO. P-U90-T1X1-1XXX	
C/O DEPENDENT NO. 03554		DWG. APPD. A.G. REEN		MAR 17/09		SCALE 5:2	
						SHEET 3 OF 5	

REVISIONS				
REV.	BY	DATE	DESCRIPTION	APPROVED
B		FEB 22/12	SEE SHEET 1	ZLJ



- NOTES:
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 - FINISHED HOLE SIZE.

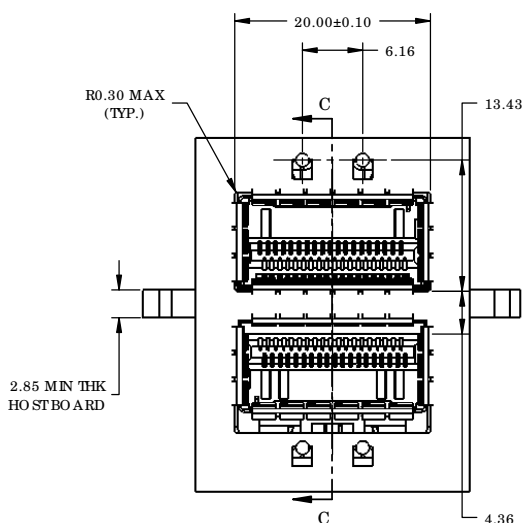
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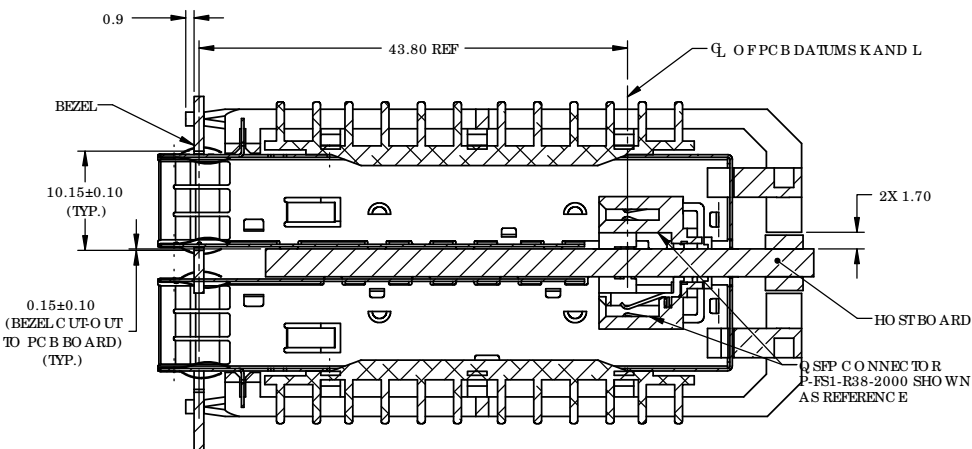


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS		DATE		Amphenol Canada Corp.	
DRAWN	J.HU	FEB 22/12		TITLE			
DESIGNED	ZLJ	MAR 17/09		Q SFP CAGE ASSEMBLY			
CHECKED	J.SI	MAR 17/09		WITH OPTICAL LIGHT PIPE			
QA APPD				(WITH LOW PROFILE HEAT SINK CLIP)			
REP				SIZE	DWG. NO.	REV.	
CODERENT NO.	03554	DWG. APPD	A.G.REEN	SCALE	5:2	P-U90-T1X1-1XXX	B
				PROJCT			SHEET 4 OF 5

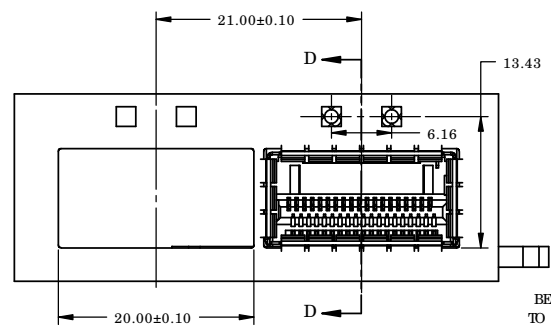
REVISIONS				
REV.	BY	DATE	DESCRIPTION	APPROVED
B		FEB 22/12	SEE SHEET 1	ZLJ



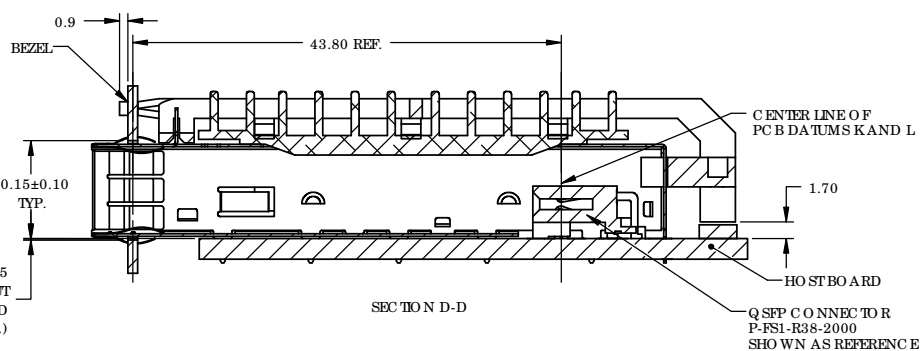
4.36 (BEZEL CUT-OUT SPACING)
RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



SECTION C-C



0.15 BEZEL CUT-OUT TO PCB BOARD (TYP.)
RECOMMENDED SINGLE-SIDED MOUNTING DESIGN



SECTION D-D



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	DRAWN J.HU	FEB 22/12	
	DESIGNED ZLJ	MAR 17/09	
	CHECKED J.SI	MAR 17/09	
	QA APPD		
	EA APPD		
	DWG APPD A.GREEN	MAR 17/09	