

AMPHENOL PART NUMBER CONFIGURATION

V95-AAZ01 - XX X 0 X X X

HEAT SINK OPTIONS

00 = NO HEAT SINK, TOP CLOSED
 01 = NO HEAT SINK, TOP OPEN
 02 = SQUAD PIN HEAT SINK, PCI HEIGHT, NICKEL
 03 = SQUAD PIN HEAT SINK, SAN HEIGHT, NICKEL
 04 = SQUAD PIN HEAT SINK, TALL HEIGHT, NICKEL
 05 = SQUAD PIN HEAT SINK, PCI HEIGHT, BLACK ANODIZE
 06 = SQUAD PIN HEAT SINK, SAN HEIGHT, BLACK ANODIZE
 07 = SQUAD PIN HEAT SINK, TALL HEIGHT, BLACK ANODIZE
 08 = PIN-FIN STYLE FOR SIDE TO SIDE, PCI HEIGHT, NICKEL
 09 = PIN-FIN STYLE FOR SIDE TO SIDE, SAN HEIGHT, NICKEL
 10 = PIN-FIN STYLE FOR SIDE TO SIDE, TALL HEIGHT, NICKEL
 11 = PIN-FIN STYLE FOR SIDE TO SIDE, PCI HEIGHT, BLACK ANODIZE
 12 = PIN-FIN STYLE FOR SIDE TO SIDE, SAN HEIGHT, BLACK ANODIZE
 13 = PIN-FIN STYLE FOR SIDE TO SIDE, TALL HEIGHT, BLACK ANODIZE
 14 = PIN-FIN STYLE FOR FRONT - BACK, PCI HEIGHT, NICKEL
 15 = PIN-FIN STYLE FOR FRONT - BACK, SAN HEIGHT, NICKEL
 16 = PIN-FIN STYLE FOR FRONT - BACK, TALL HEIGHT, NICKEL
 17 = PIN-FIN STYLE FOR FRONT - BACK, PCI HEIGHT, BLACK ANODIZE
 18 = PIN-FIN STYLE FOR FRONT - BACK, SAN HEIGHT, BLACK ANODIZE
 19 = PIN-FIN STYLE FOR FRONT - BACK, TALL HEIGHT, BLACK ANODIZE
 20 = CUSTOM TOP ZIPPER FIN HEAT SINK, SAN HEIGHT, NICKEL
 21 = PIN-FIN STYLE FOR FRONT - BACK, 4.8MM HEIGHT, BLACK ANODIZE

EON PIN OPTIONS (SEE PAGE 2)

0 = WITH 0 REAR PIN
 1 = WITH 1 REAR PIN
 2 = WITH 2 REAR PIN

PACKAGING OPTIONS

A = TRAY PACKAGING
 (HEAT SINK & CLIP SHIPPED ASSEMBLED, IF ORDERED)
 T = TAPE & REEL PACKAGING

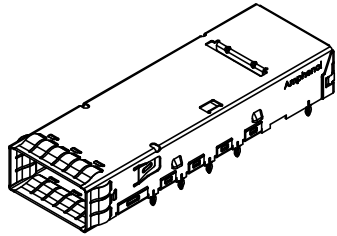
DUST COVER OPTIONS

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

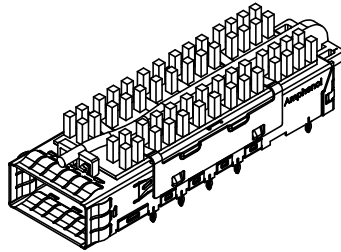
LIGHT PIPE OPTIONS (SEE PAGE 2)

0 = NO LIGHT PIPE
 1 = SINGEL LIGHT PIPE
 2 = DUAL LIGHT PIPE
 3 = QUAD LIGHT PIPE

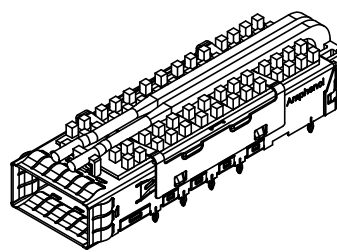
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
G	INITIAL RELEASE	09-Nov-21	J.Si
H	UPDATE DRAWING	30-Nov-21	J.Si
J	UPDATE PCB VIEW	03-Jan-23	J.Si
K	UPDATE HEAT SINK VIEW	05-May-23	Chigow.X
L	ADD OPTIONS	23-Aug-23	Chigow.X
M	ADD VIEW OPTIONS	07-Dec-23	Chigow.X
N	ADD OPTION OF V95-AAZ01-21000A0	27-Mar-24	Chigow.X
P	UPDATE INK-PRINT FOR V95-AAZ01-21000A0	01-Aug-24	Chigow.X



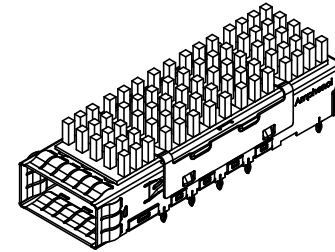
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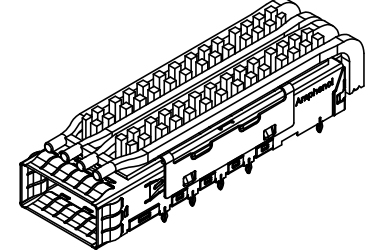
V95-AAZ01-03100A0



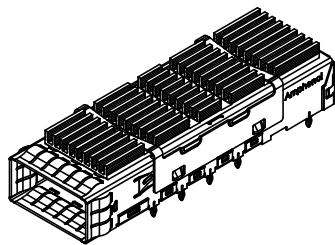
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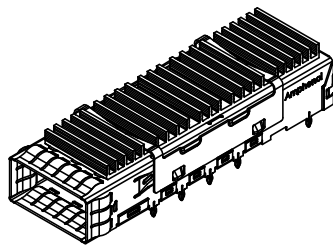
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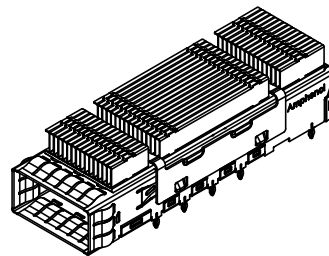
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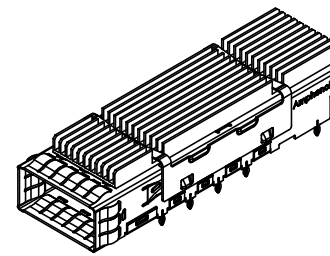
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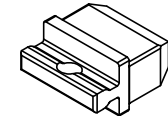
V95-AAZ01-08000A0



V95-AAZ01-20000A2



V95-AAZ01-21000A0



CONDUCTIVE DUST COVER
 SHOWN (OPTIONAL)
 P/N U90-1401-80V0-BP (SHIPPED LOOSE)



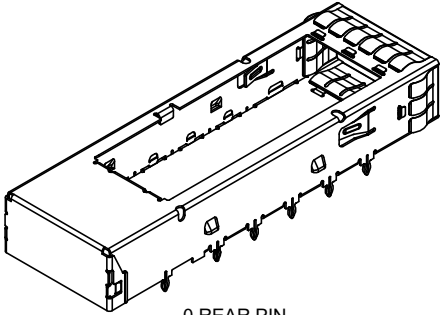
UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20
UNIT		CHECKED	Chigow.X	15-Dec-20
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20
		Q.A. APP'D	Joe.P	15-Dec-20
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-	
2 DECIMAL PLACES	±0.15	REF.		
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION		

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com

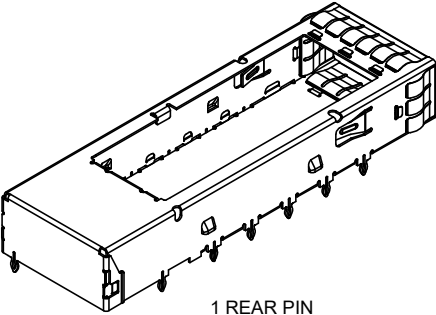
QSFP 112G 1X1 CAGE ASSEMBLY
 THRU BEZEL, WITH REAR PIN OPTIONS
 WITH LP OPTIONS
 WITH HEAT SINK OPTIONS

DWG. NO.		P-V95-AAZ01		REV	P
CODE ID NO.	03554	DWG. SIZE:	C	SCALE:	3:1
		SHEET 1 OF 8			

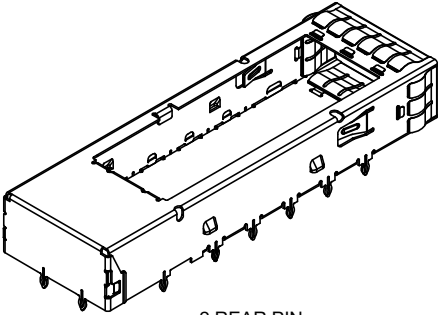
EON PIN OPTIONS



0 REAR PIN

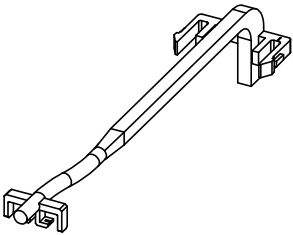


1 REAR PIN

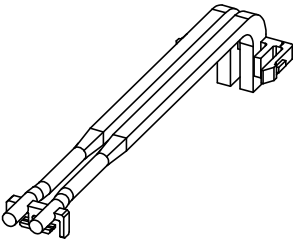


2 REAR PIN

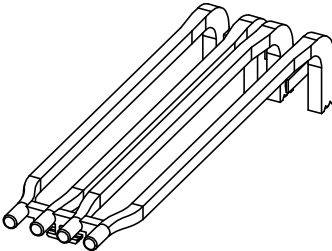
LIGHT PIPE OPTIONS



SINGEL LIGHT PIPE

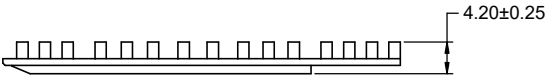


DUAL LIGHT PIPE

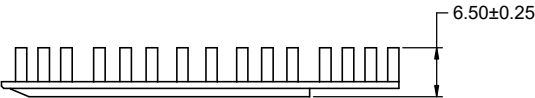


QUAD LIGHT PIPE

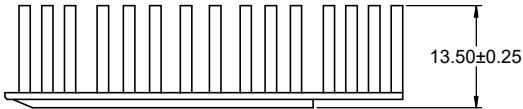
HEAT SINK HEIGHT OPTIONS



PCI HEIGHT



SAN HEIGHT



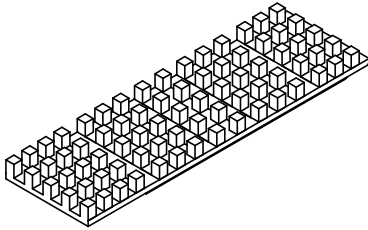
TALL HEIGHT

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		

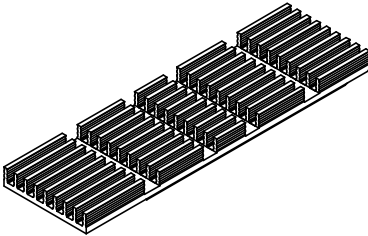
UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20
UNIT		CHECKED	Chigow.X	15-Dec-20
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20
		Q.A. APP'D	Joe.P	15-Dec-20
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20
1 DECIMAL PLACE		ENG. REL. NO.	-	
2 DECIMAL PLACES		REF.		
ANGULAR DEGREES		THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS			
DWG. NO.			REV
P-V95-AAZ01			P
DWG. ID. NO.	03554	DWG. SIZE:	C
SCALE:	3:1	SHEET	2 OF 8

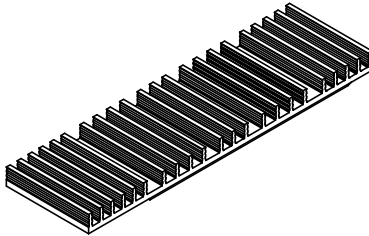
HEAT SINK TYPE



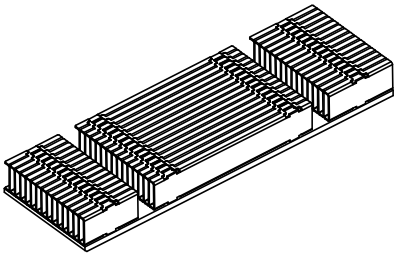
SQUAD PIN



PIN-FIN STYLE FOR FRONT - BACK



PIN-FIN STYLE FOR SIDE TO SIDE



ZIPPER FIN

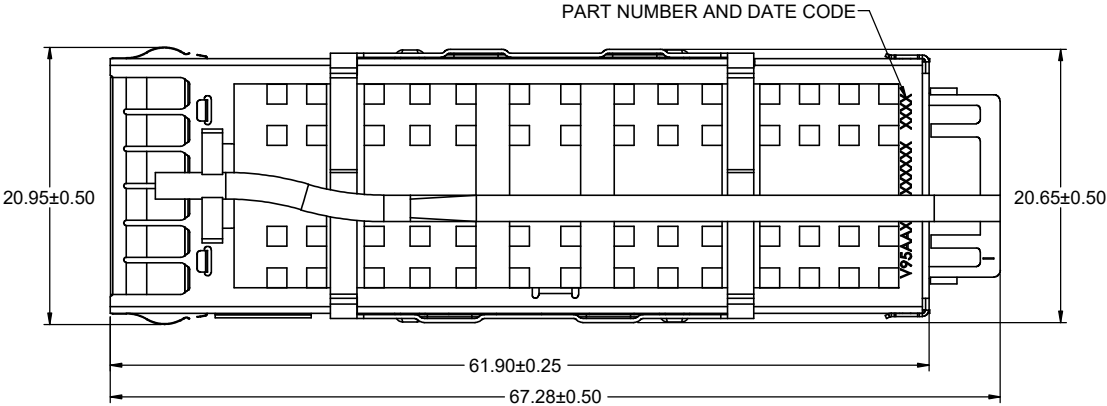
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		

UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS				
UNIT	MILLIMETERS	CHECKED	Chigow.X	15-Dec-20					
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20					
		Q.A. APP'D	Joe.P	15-Dec-20					
GENERAL TOLERANCES		DWG APP'D	Jason.S	15-Dec-20	DWG. NO. P-V95-AAZ01				
1 DECIMAL PLACE	±0.25	ENG. REL. NO.		-					
2 DECIMAL PLACES	±0.15	REF.			CODE ID NO. 03554 DWG SIZE: C SCALE: 3:1 SHEET 3 OF 8				
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING					

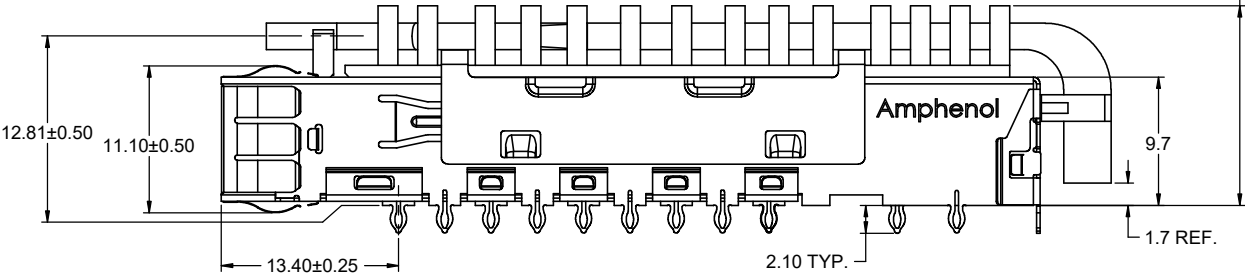
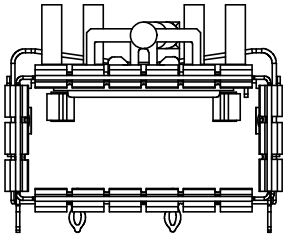
PART NMBER	DIM "A"	DIM "B"
V95-AAZ01-00XXXXX	/	/
V95-AAZ01-02XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-03XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-04XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-05XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-06XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-07XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-08XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-09XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-10XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-11XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-12XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-13XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-14XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-15XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-16XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-17XXXXX	13.7 MAX	12.8±0.30mm
V95-AAZ01-18XXXXX	16.0 MAX	15.1±0.30mm
V95-AAZ01-19XXXXX	23.0 MAX	22.1±0.30mm
V95-AAZ01-20XXXXX	16.0 MAX	15.1±0.30mm

REVISEMENTS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		

(P/N V95-AAZ01-03000A0 SHOWN)



DIM "A" PLUGGED STATE
DIM "B" UNPLUGGED STATE



NOTES:

- MATERIAL:
CAGE AND EMI SPRINGS: STAINLESS SHEEL
HEAT SINK: ALUMINUM ALLOY, NICKEL OR BLC AK
ANODIZED.
HEAT SINK CLIP: STAINLESS STEEL.
LIGHT PIPE: POLYCARBONATE.
DUST COVER: CONDUCTIVE RUBBER.
- DUST COVER IS SHIPPED AS A LOOSE PIECE IF ORDERED.

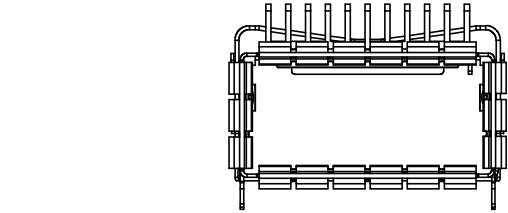
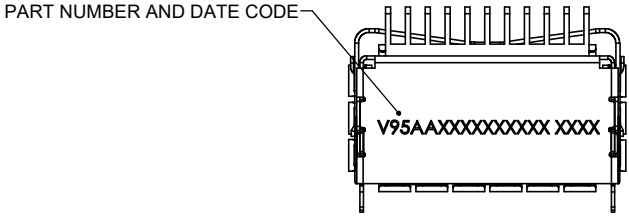
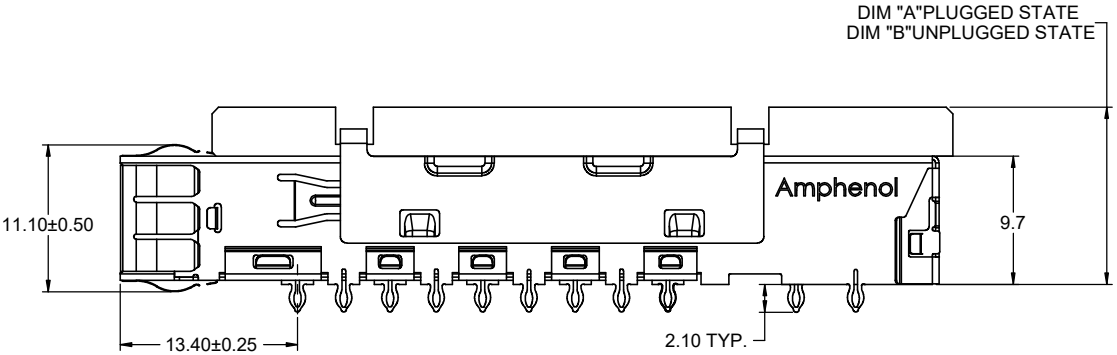
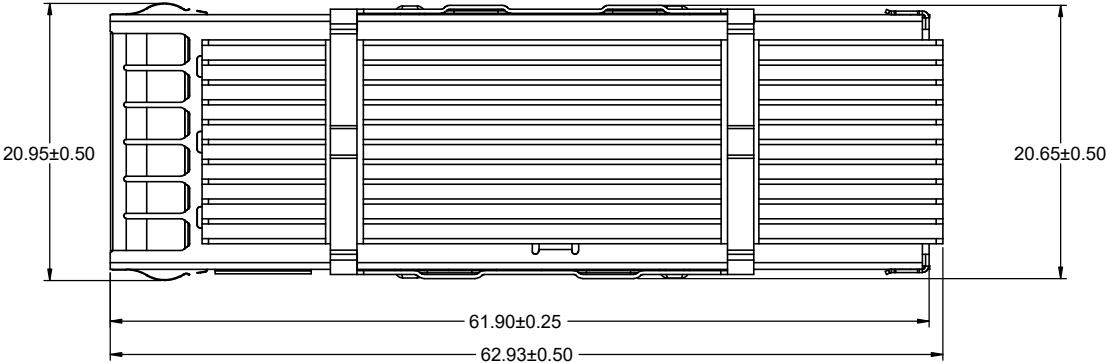
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS SPECIFIED OTHERWISE	DRAWN	Rose.Y	15-Dec-20
UNIT	MILLIMETERS	CHECKED	Chigow.X
REFERENCE IN PARENTHESES	M.E. APP'D	Andy.C	15-Dec-20
	Q.A. APP'D	Joe.P	15-Dec-20
GENERAL TOLERANCES	DWG. APP'D	Jason.S	15-Dec-20
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-
2 DECIMAL PLACES	±0.15	REF.	
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION	

Amphenol High Speed Interconnects			
A Division of Amphenol Corp. www.amphenol-highspeed.com			
QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS			
DWG. NO.	P-V95-AAZ01	REV	P
CODE ID NO.	03554	DWG SIZE:	C
SCALE:	3:1	SHEET	4 OF 8

PART NMBER		DIM "A"	DIM "B"					REVISIONS	
V95-AAZ01-21XXXXX		14.3 MAX	13.4±0.30mm					REV	DESCRIPTION, ECN, EAR NO.
								-	SEE SHEET 1

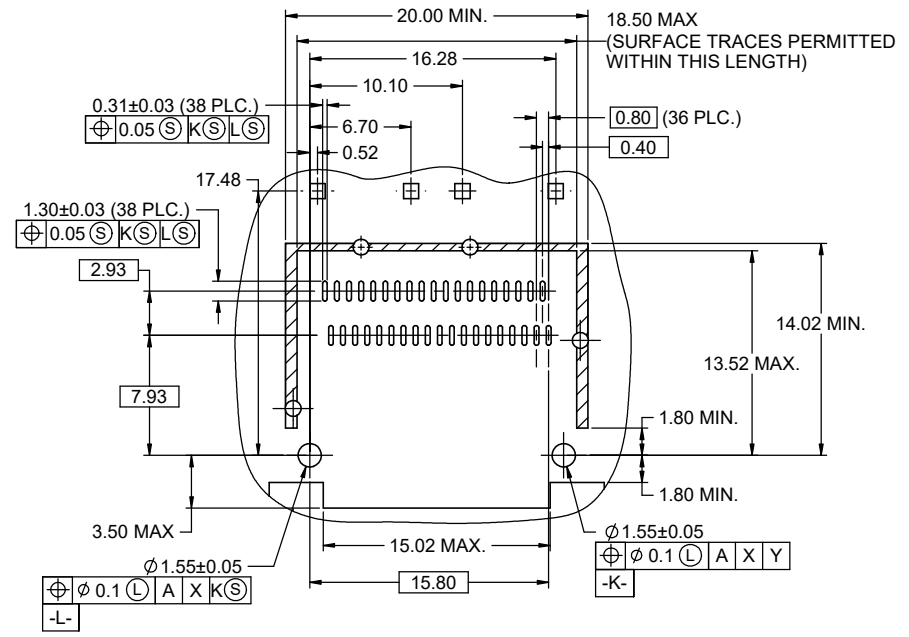
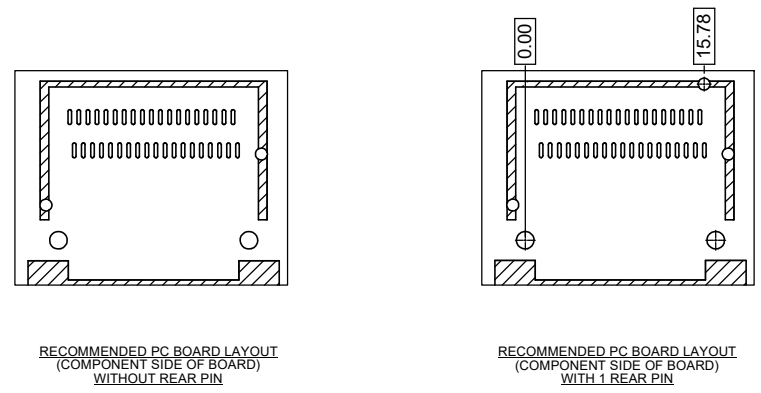
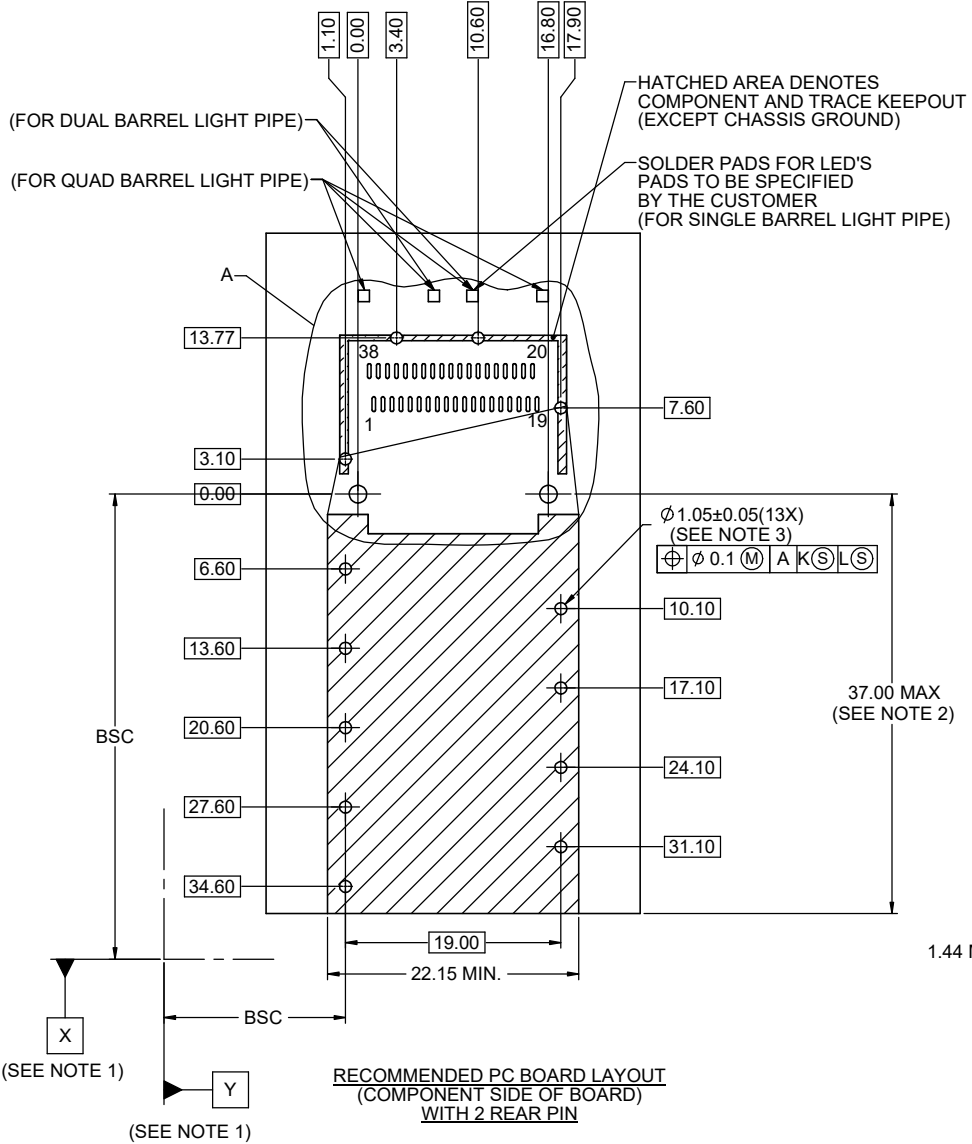
(P/N V95-AAZ01-21000A0 SHOWN)



- NOTES:
- MATERIAL:
CAGE AND EMI SPRINGS: STAINLESS SHEEL
HEAT SINK: ALUMINUM ALLOY, NICKEL OR BLCCK ANODIZED.
HEAT SINK CLIP: STAINLESS STEEL.
LIGHT PIPE: POLYCARBONATE.
DUST COVER: CONDUCTIVE RUBBER.
 - DUST COVER IS SHIPPED AS A LOOSE PIECE IF ORDERED.

UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS			
UNIT		CHECKED	Chigow.X	15-Dec-20				
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20				
		Q.A. APP'D	Joe.P	15-Dec-20				
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20	DWG. NO. P-V95-AAZ01			
1 DECIMAL PLACE		ENG. REL. NO.	-					
2 DECIMAL PLACES		REF.						
ANGULAR DEGREES		THIRD ANGLE PROJECTION						
		DO NOT SCALE DRAWING			CODE ID NO. 03554	DWG SIZE: C	SCALE: 3:1	SHEET 5 OF 8

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		J.Si



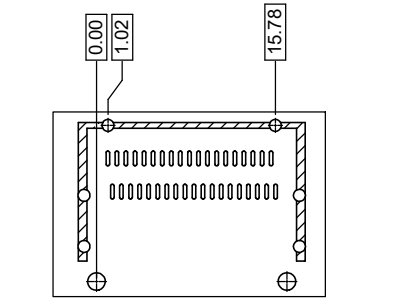
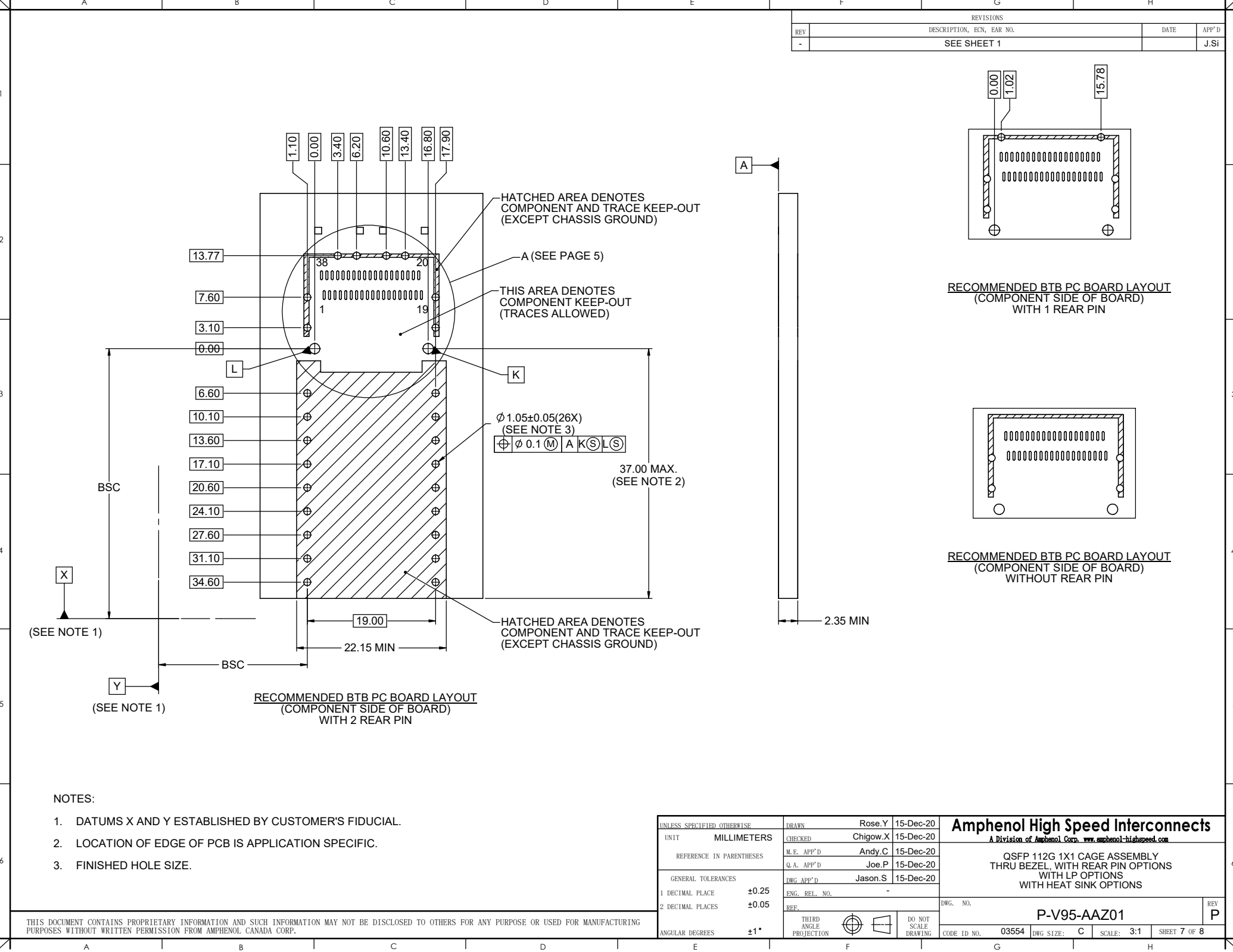
DETAIL A
SCALE 4 : 1

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

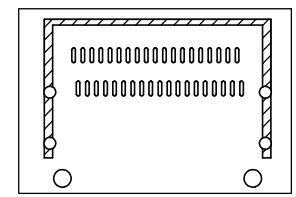
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UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS DWG. NO. P-V95-AAZ01
UNIT	MILLIMETERS	CHECKED	Chigow.X	15-Dec-20	
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20	
		Q.A. APP'D	Joe.P	15-Dec-20	
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20	
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-		DWG. NO. P-V95-AAZ01
2 DECIMAL PLACES	±0.05	REF.			
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION			
		DO NOT SCALE DRAWING			REV P CODE ID NO. 03554 DWG SIZE: C SCALE: 3:1 SHEET 6 OF 8

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		J.Si



RECOMMENDED BTB PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)
WITH 1 REAR PIN



RECOMMENDED BTB PC BOARD LAYOUT
(COMPONENT SIDE OF BOARD)
WITHOUT REAR PIN

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

UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20
UNIT		CHECKED	Chigow.X	15-Dec-20
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20
		Q.A. APP'D	Joe.P	15-Dec-20
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-	
2 DECIMAL PLACES	±0.05	REF.		
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

Amphenol High Speed Interconnects

A Division of Amphenol Corp. www.amphenol-highspeed.com

QSFP 112G 1X1 CAGE ASSEMBLY

THRU BEZEL, WITH REAR PIN OPTIONS

WITH LP OPTIONS

WITH HEAT SINK OPTIONS

DWG. NO.

P-V95-AAZ01

REV

P

CODE ID NO.

03554

DWG SIZE:

C

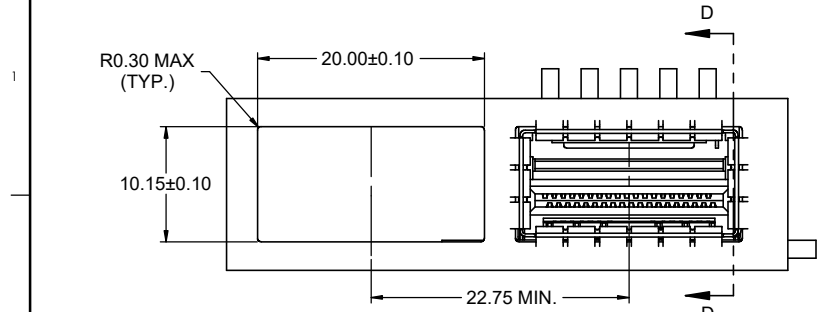
SCALE:

3:1

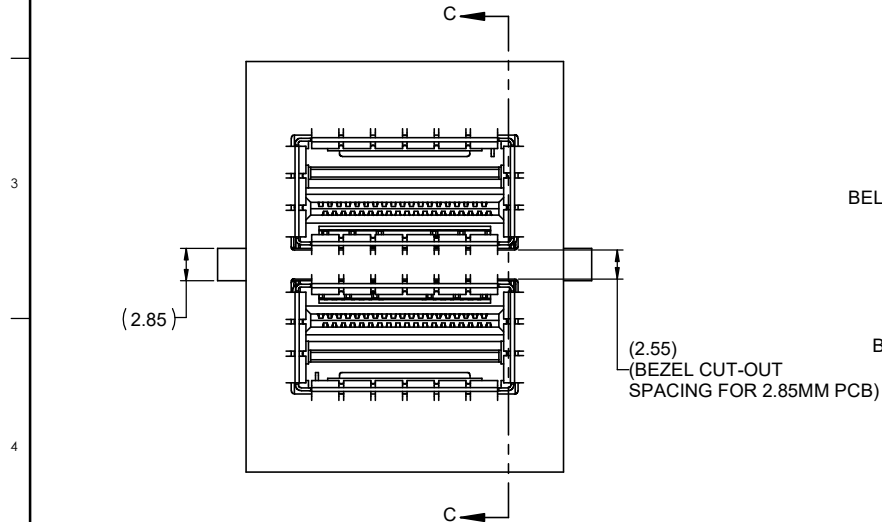
SHEET

7 OF 8

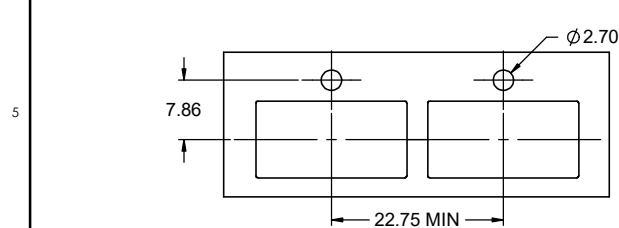
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
-	SEE SHEET 1		J.Si



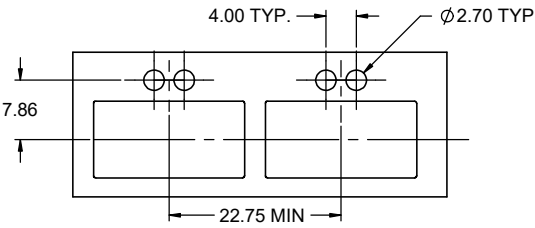
RECOMMENDED SINGLE SIDED MOUNTING DESIGN



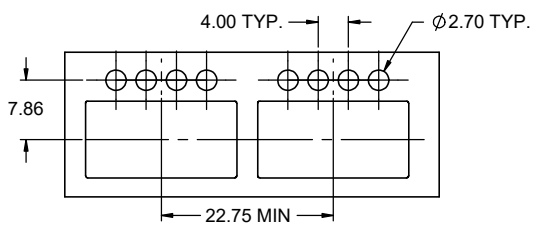
RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN



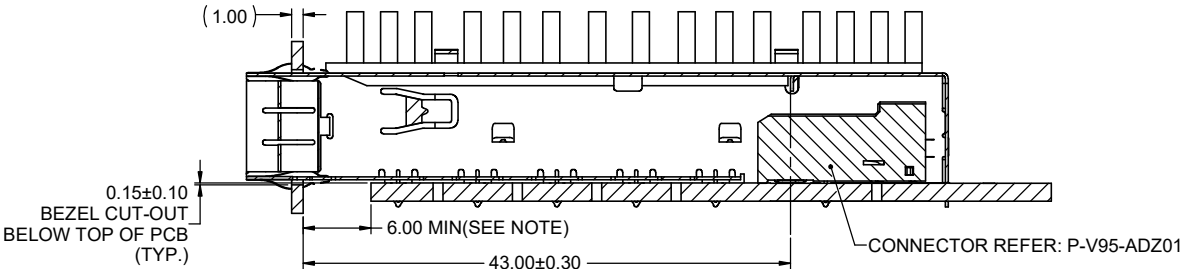
RECOMMENDED SINGLE SIDED MOUNTING DESIGN FOR SINGLE LIGHT PIPE



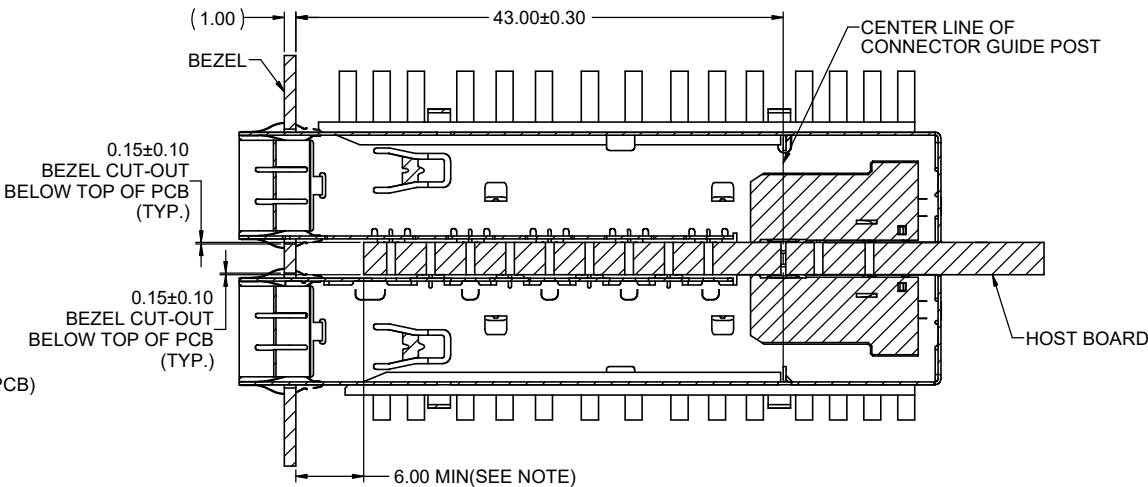
RECOMMENDED SINGLE SIDED MOUNTING DESIGN FOR DUAL LIGHT PIPE



RECOMMENDED SINGLE SIDED MOUNTING DESIGN FOR SINGLE QUAD PIPE



SECTION D-D



SECTION C-C

NOTES:
LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.

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UNLESS SPECIFIED OTHERWISE		DRAWN	Rose.Y	15-Dec-20
UNIT		CHECKED	Chigow.X	15-Dec-20
REFERENCE IN PARENTHESES		M.E. APP'D	Andy.C	15-Dec-20
		Q.A. APP'D	Joe.P	15-Dec-20
GENERAL TOLERANCES		DWG. APP'D	Jason.S	15-Dec-20
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-	
2 DECIMAL PLACES	±0.10	REF.		
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION		

Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com			
QSFP 112G 1X1 CAGE ASSEMBLY THRU BEZEL, WITH REAR PIN OPTIONS WITH LP OPTIONS WITH HEAT SINK OPTIONS			
DWG. NO. P-V95-AAZ01			REV P
CODE ID NO. 03554	DWG SIZE: C	SCALE: 3:1	SHEET 8 OF 8