

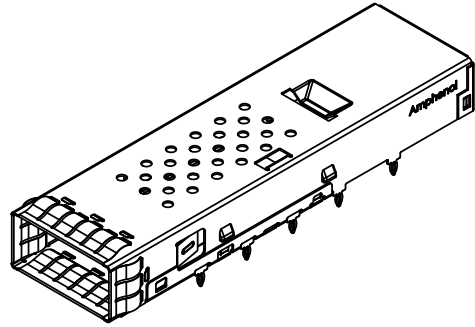
REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	INITIAL RELEASE	FEB.2, 21	A.Z
B	ADD HEAT SINK OPTION "AE"	MAR.17, 21	A.Z
C	ADD HEAT SINK OPTION "UH","UM","UJ","11"	MAY.12, 21	A.Z

**AMPHENOL PART NUMBER CONFIGURATION**  
**UE36 - C1620 X -05 XX X**

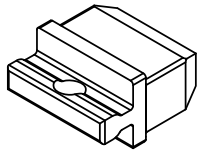
**VENTING OPTION**  
**0** = STANDARD  
**4** = TOP CLOSED

**PACKAGING OPTION**  
**1**= TRAY PACKAGING(HEAT SINK AND CLIP SHIPPED LOOSE)  
**A**= TRAY PACKAGING(HEAT SINK AND CLIP SHIPPED ASSEMBLED)  
**2**= BASED ON "A", WITH DUST COVER

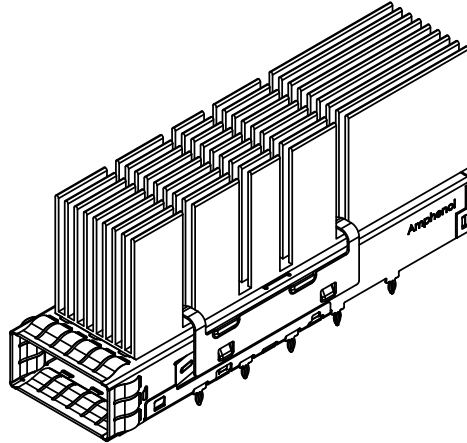
**HEAT SINK OPTION**  
**00**= NO HEAT SINK  
**01**= NO HEAT SINK, WITH CLIP  
**A2**= WITH FIN PIN STYLE HEAT SINK(H=4.2MM; PCI HEIGHT, FRONT-BACK AIR FLOW)  
**A3**= WITH FIN PIN STYLE HEAT SINK(H=6.5MM; SAN HEIGHT, FRONT-BACK AIR FLOW)  
**A4**= WITH FIN PIN STYLE HEAT SINK(H=13.5MM; TALL HEIGHT, FRONT-BACK AIR FLOW)  
**A5**= WITH FIN PIN STYLE HEAT SINK(H=4.5MM; SPECIAL HEIGHT, FRONT-BACK AIR FLOW)  
**A6**= WITH FIN PIN STYLE HEAT SINK(H=21.5MM; SPECIAL HEIGHT, FRONT-BACK AIR FLOW)  
**AE**= WITH FIN PIN STYLE HEAT SINK(H=11.1MM; SPECIAL HEIGHT, FRONT-BACK AIR FLOW)  
**B2**= WITH SQUARE PIN STYLE HEAT SINK(H=4.2MM; PCI HEIGHT)  
**B3**= WITH SQUARE PIN STYLE HEAT SINK(H=6.5MM; SAN HEIGHT)  
**B4**= WITH SQUARE PIN STYLE HEAT SINK(H=13.5MM; TALL HEIGHT)  
**BJ**= WITH SQUARE PIN STYLE HEAT SINK(H=9.5MM; SPECIAL HEIGHT)  
**C2**= WITH FIN PIN STYLE HEAT SINK(H=4.2MM; PCI HEIGHT, SIDE TO SIDE AIR FLOW)  
**C3**= WITH FIN PIN STYLE HEAT SINK(H=6.5MM; SAN HEIGHT, SIDE TO SIDE AIR FLOW)  
**C4**= WITH FIN PIN STYLE HEAT SINK(H=13.5MM; TALL HEIGHT, SIDE TO SIDE AIR FLOW)  
**D6**= WITH FIN PIN STYLE HEAT SINK(H=21.5MM; SPECIAL HEIGHT;TOTAL 9FINS)  
**ML**= WITH FIN PIN STYLE HEAT SINK(H=16.2MM; SPECIAL HEIGHT;TOTAL 10FINS)  
**19**= WITH FIN PIN STYLE HEAT SINK(H=6.6MM; SPECIAL HEIGHT;TOTAL 11FINS; COLORLESS ANODIZED)  
**UH**=WITH ZIPPED-FIN STYLE HEAT SINK(H=10.3MM; SPECIAL HEIGHT;TOTAL 14FINS)  
**UM**=WITH ZIPPED-FIN STYLE HEAT SINK(H=5.4MM; SPECIAL HEIGHT;TOTAL 14FINS)  
**UJ**=WITH ZIPPED-FIN STYLE HEAT SINK(H=9.5MM; SPECIAL HEIGHT;TOTAL 14FINS)  
**11**=WITH FIN PIN STYLE HEAT SINK(H=10.4MM; SPECIAL HEIGHT;TOTAL 9FINS)



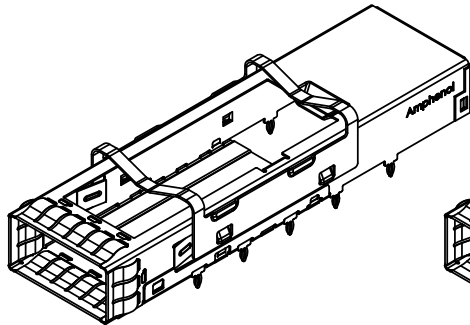
**PN: UE36-C16204-05001**  
**SHOWN**



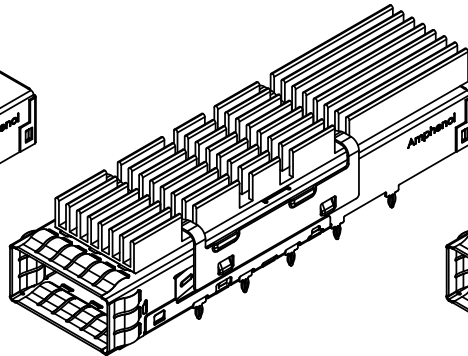
**CONDUCTIVE DUST COVER**  
**SHOWN (OPTIONAL)**  
**SHIPPED LOOSE**  
**P/N U90-1401-8000-BP**



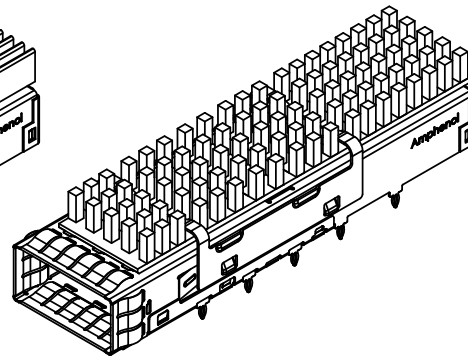
**PN: UE36-C16200-05D6A**  
**SHOWN**



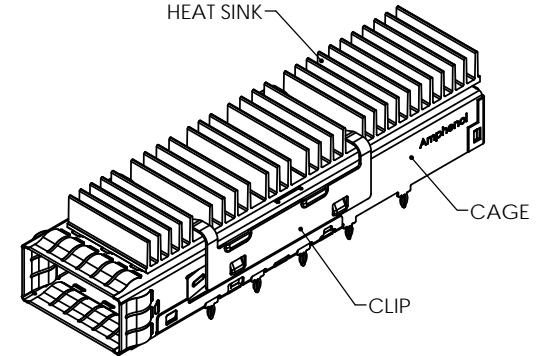
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**SHOWN**



**PN: UE36-C16200-05AAX**  
**SHOWN**



**PN: UE36-C16200-05BXX**  
**SHOWN**



**PN: UE36-C16200-05CXX**  
**SHOWN**

**NOTES:**

- MATERIAL:  
 CAGE AND EMI SPRINGS: STAINLESS STEEL  
 HEAT SINK: ALUMINUM ALLOY  
 HEAT SINK CLIP: STAINLESS STEEL  
 DUST COVER: CONDUCTIVE RUBBER

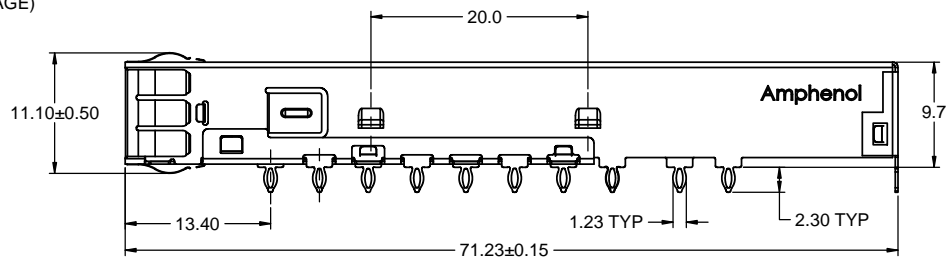
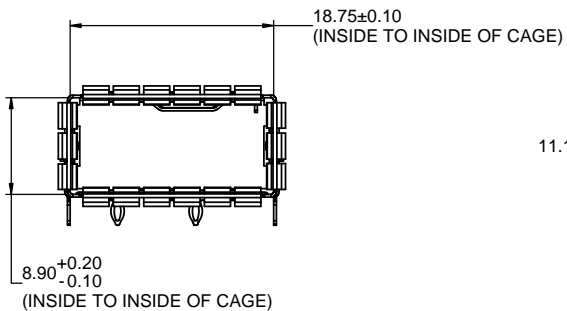
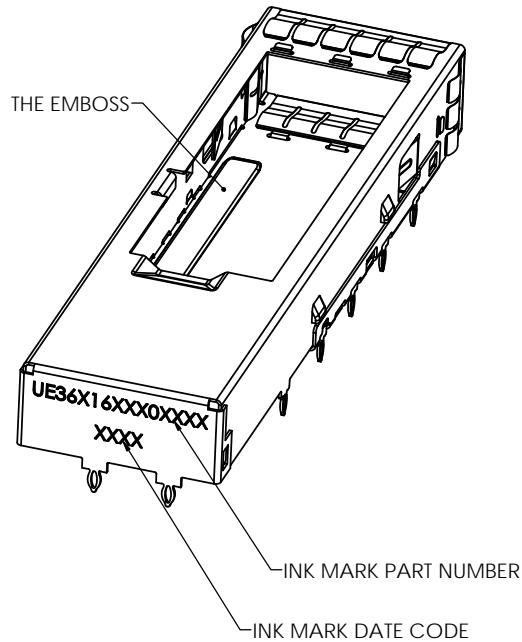
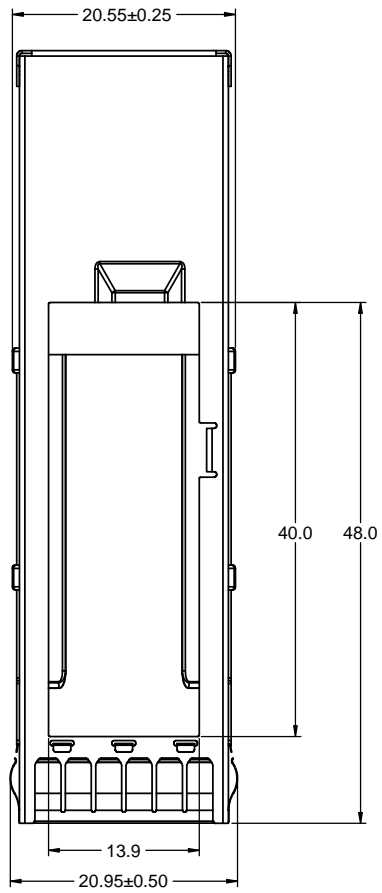


UNLESS SPECIFIED OTHERWISE	DRAWN	Peter Z	FEB.2, 21
UNIT MILLIMETERS	CHECKED	Chigow X	FEB.2, 21
REFERENCE IN PARENTHESES	M.E. APP'D		
	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Arkady Z	FEB.2, 21
1 DECIMAL PLACE ±0.25	ENG. REL. NO.	-	
2 DECIMAL PLACES ±0.15	REF.		
ANGULAR DEGREES ±1°	THIRD ANGLE PROJECTION		
	DO NOT SCALE DRAWING		

**Amphenol High Speed Interconnects**  
 A Division of Amphenol Corp. [www.amphenol-highspeed.com](http://www.amphenol-highspeed.com)  
**QSFP-DD 1X1 CAGE ASSEMBLY**  
**2 REAR PIN**  
**WITH HEAT SINK OPTION, WITH**  
**EMBOSES ON THE BOTTOM CAGE**

DWG. NO.	P-UE36-C162XX-05XXX	REV	C
CODE ID NO.	03554	DWG. SIZE:	C
SCALE:	1:1	SHEET 1 OF 10	

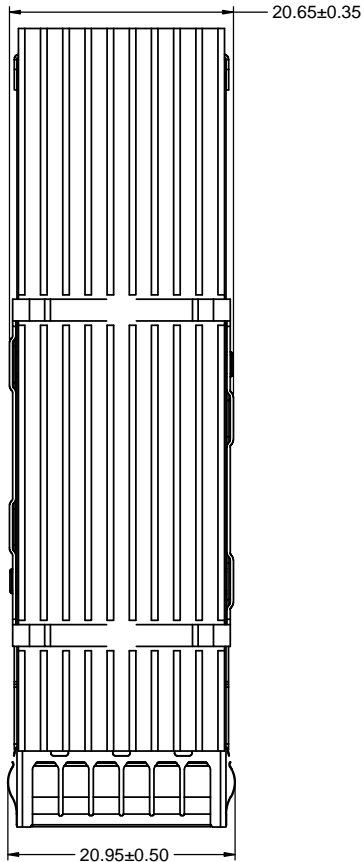
PN: UE36-C16200-05001 SHOWN



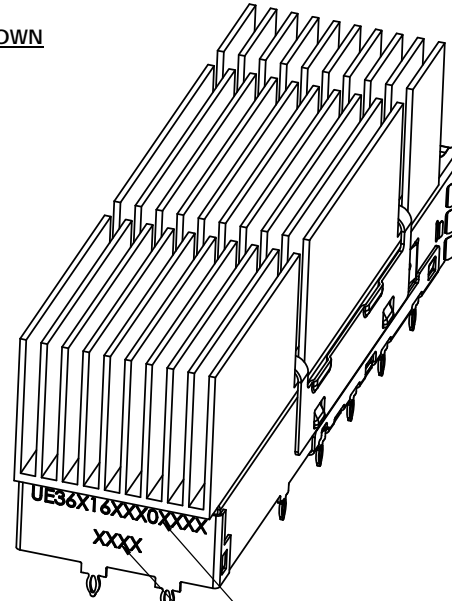
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UNLESS SPECIFIED OTHERWISE		DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES		M.E. APP'D		
GENERAL TOLERANCES		Q.A. APP'D	Arkady Z	JAN.2, 19
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	-	
2 DECIMAL PLACES	±0.15	REF.		
ANGULAR DEGREES	±1°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSSSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		REV
CODE ID NO.	03554	DWG SIZE: C	C
SCALE:	2:1	SHEET	2 OF 10

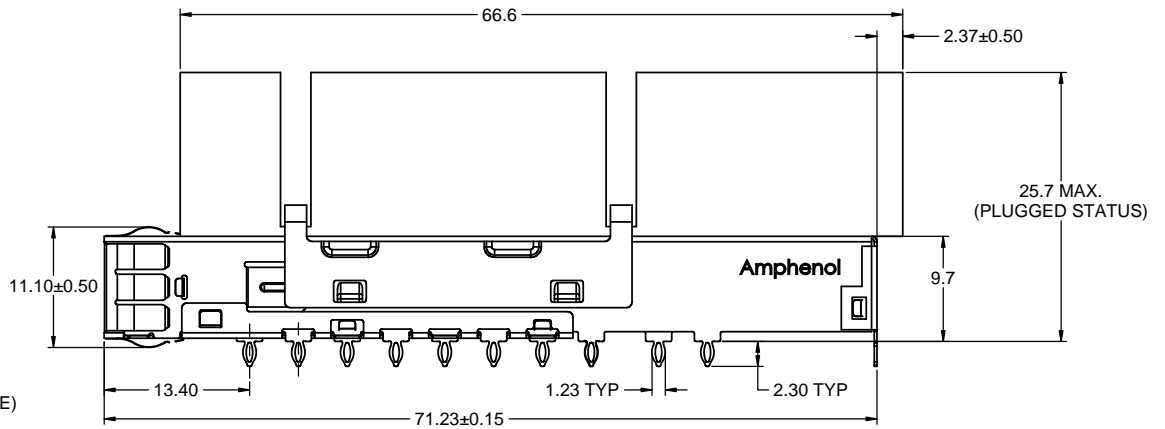
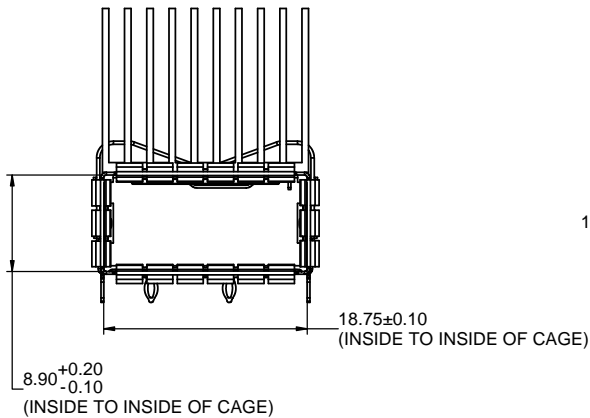


PN: UE36-C16200-05MLA SHOWN



INK MARK PART NUMBER

INK MARK DATE CODE



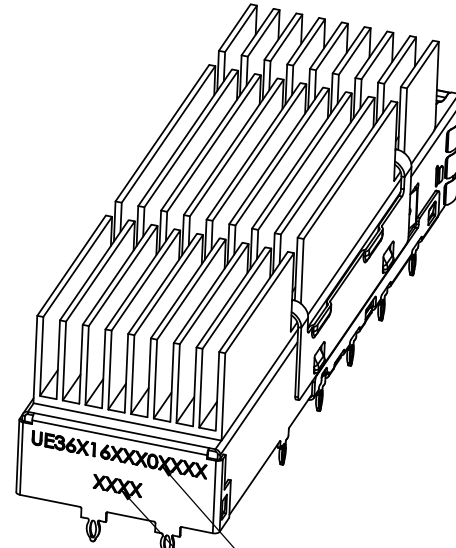
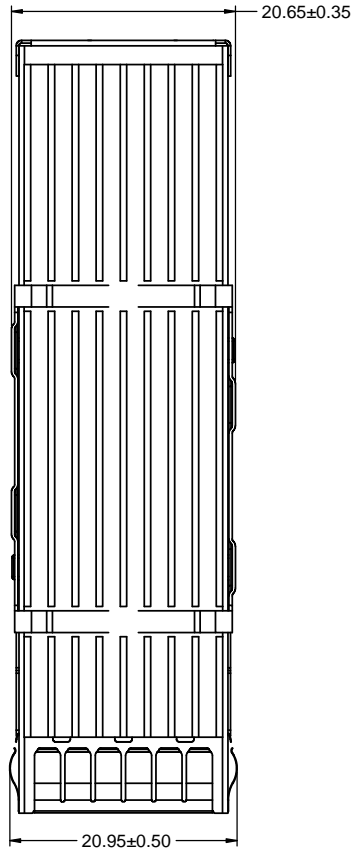
UNLESS SPECIFIED OTHERWISE		DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES		M.E. APP'D		
GENERAL TOLERANCES		Q.A. APP'D		
1 DECIMAL PLACE	±0.25	DWG APP'D	Arkady Z	JAN.2, 19
2 DECIMAL PLACES	±0.15	ENG. REL. NO.	-	
ANGULAR DEGREES	±1°	REF.		
		THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		REV
CODE ID NO.	03554	DWG SIZE: C	C
SCALE:	2:1	SHEET	3 OF 10

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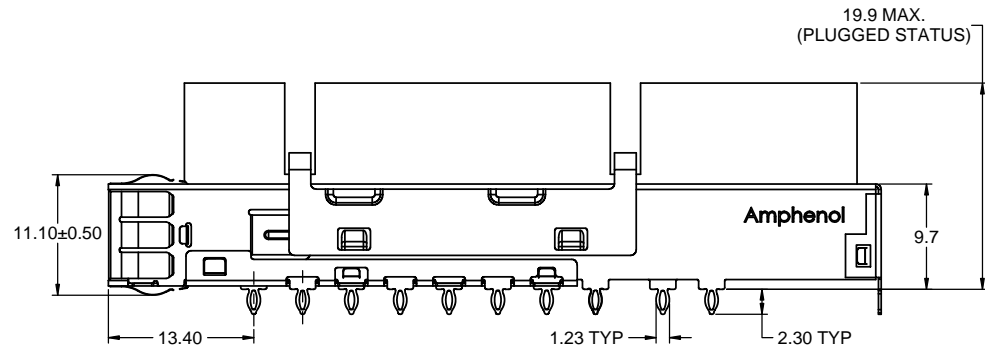
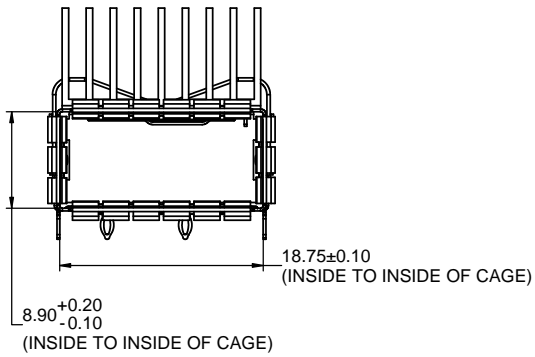
A B C D E F G H

PN: UE36-C16200-0511A SHOWN



INK MARK PART NUMBER

INK MARK DATE CODE



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UNLESS SPECIFIED OTHERWISE	DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X
REFERENCE IN PARENTHESES	M.E. APP'D		JAN.2, 19
GENERAL TOLERANCES	Q.A. APP'D		
1 DECIMAL PLACE	DWG APP'D	Arkady Z	JAN.2, 19
2 DECIMAL PLACES	ENG. REL. NO.	-	
ANGULAR DEGREES	REF.		
	THIRD ANGLE PROJECTION		
	DO NOT SCALE DRAWING		

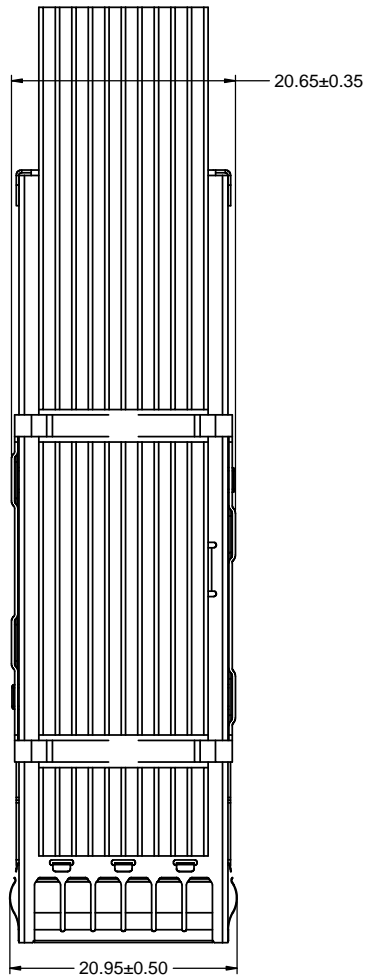
<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		
REV	C		
CODE ID NO.	03554	DWG SIZE:	C
SCALE:	2:1	SHEET	4 OF 10

6

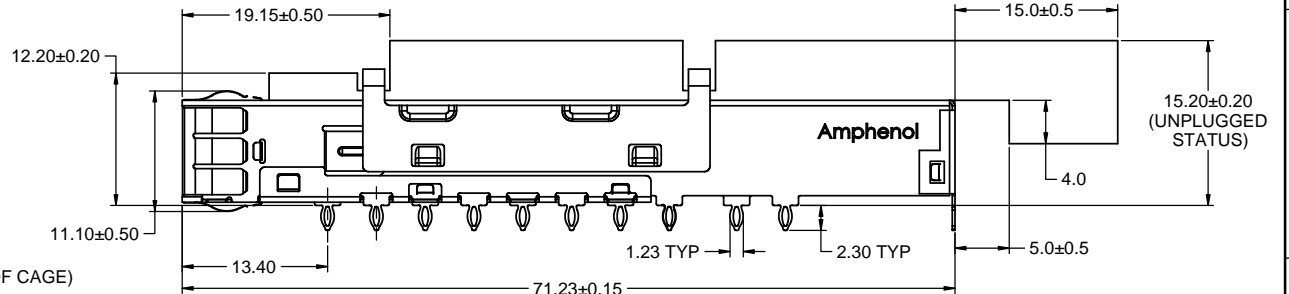
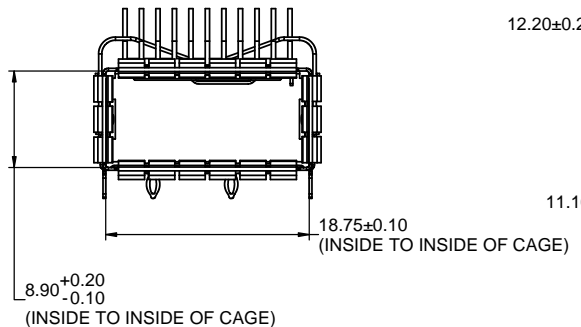
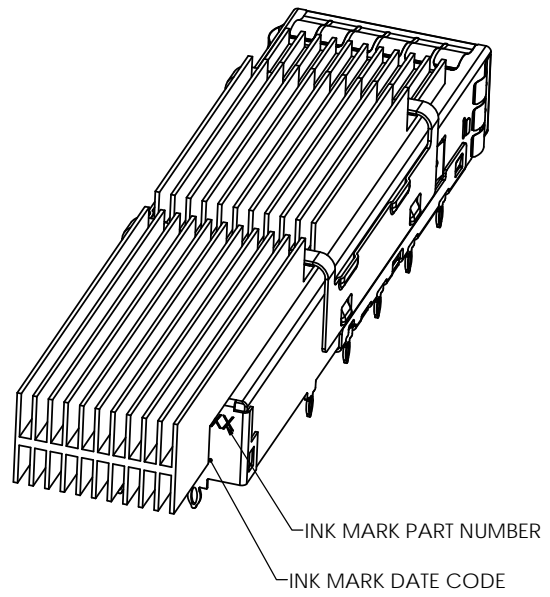
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A B C D E F G H

A B C D E F G H



PN: UE36-C16200-0519A SHOWN

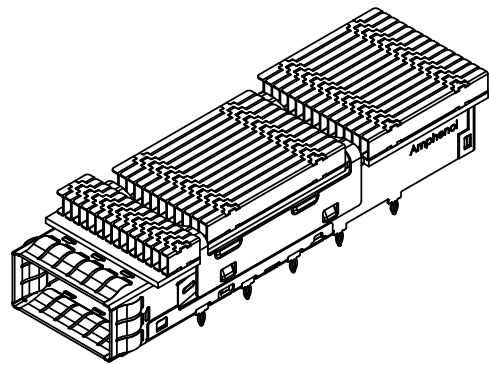


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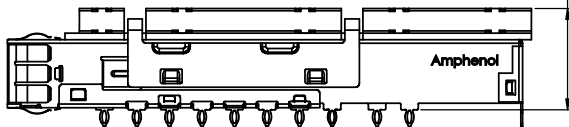
UNLESS SPECIFIED OTHERWISE		DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES		M.E. APP'D		
GENERAL TOLERANCES		Q.A. APP'D		
1 DECIMAL PLACE	±0.25	DWG APP'D	Arkady Z	JAN.2, 19
2 DECIMAL PLACES	±0.15	ENG. REL. NO.	-	
ANGULAR DEGREES	±1°	REF.		
		THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		REV
CODE ID NO.	03554	DWG SIZE: C	C
SCALE:	2:1	SHEET	5 OF 10

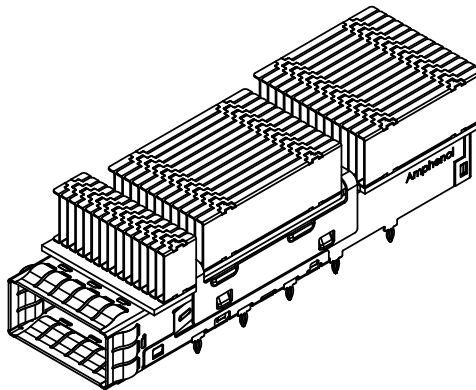
A B C D E F G H



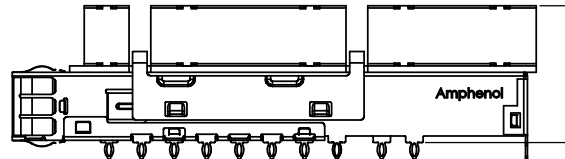
15.0 MAX.  
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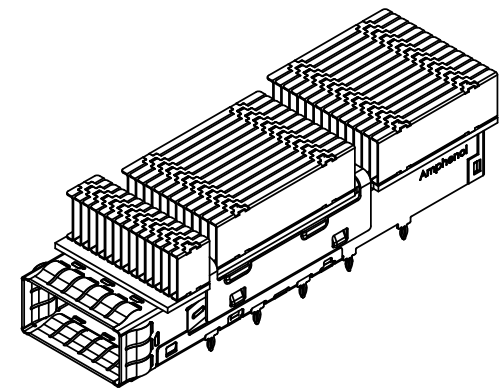
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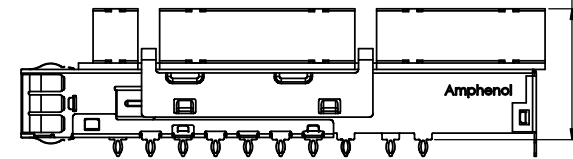
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PN: UE36-C16200-05UHA  
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19.1 MAX.  
(PLUGGED STATUS)

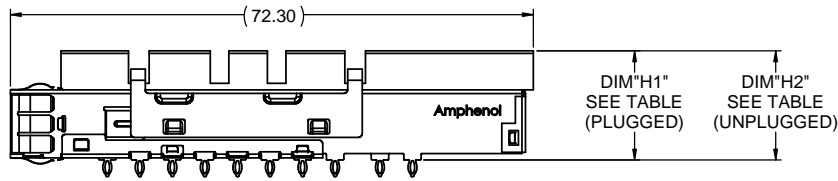


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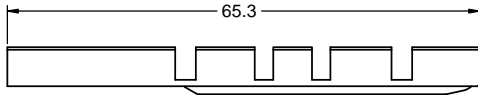
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UNLESS SPECIFIED OTHERWISE		DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES		M.E. APP'D		
GENERAL TOLERANCES		Q.A. APP'D		
1 DECIMAL PLACE	±0.25	DWG APP'D	Arkady Z	JAN.2, 19
2 DECIMAL PLACES	±0.15	ENG. REL. NO.	-	
ANGULAR DEGREES	±1°	REF.		
		THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

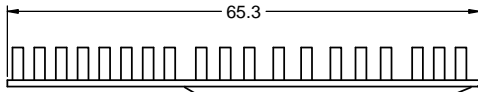
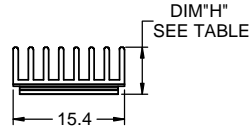
<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		REV
CODE ID NO.	03554	DWG SIZE: C	C
SCALE:	2:1	SHEET	6 OF 10



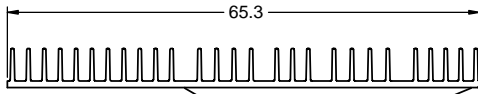
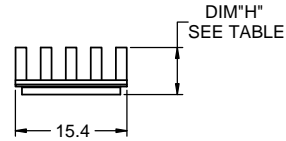
PN: UE36-C16200-05XXX SHOWN  
WITH HEAT SINK VIEW  
OTHER DIMENSIONS SEE PAGE 2.



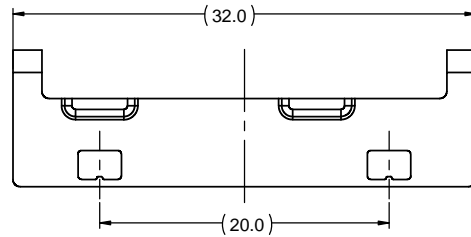
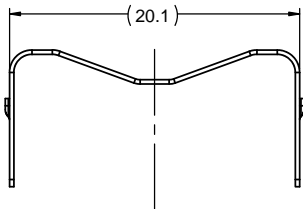
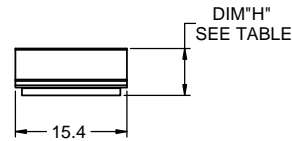
HEAT SINK VIEW PN U36-1101-6XXA-BP  
SEE TABLE



HEAT SINK VIEW PN U36-1101-6XXB-BP  
SEE TABLE



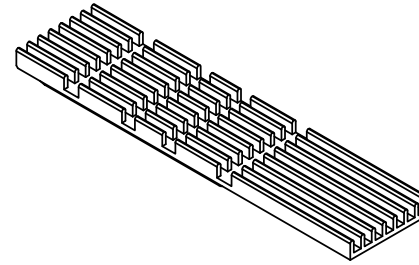
HEAT SINK VIEW PN U36-1101-6XXC-BP  
SEE TABLE



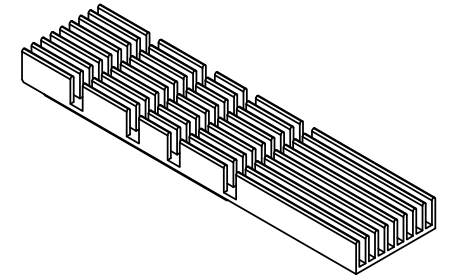
CLIP VIEW PN U90-1101-7060-BP

NOTE: DIMENSION OF CLIP AND HEAT SINK IS ONLY FOR REFERENCE, WHICH IS CHECKED BY ASSY.

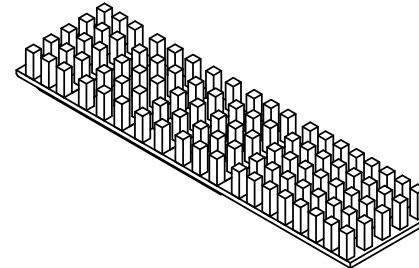
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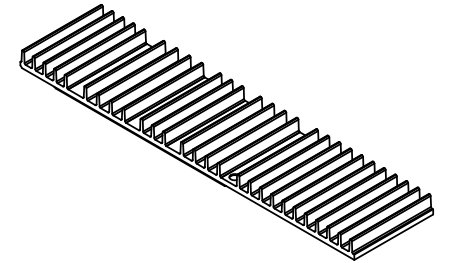
HEAT SINK VIEW PN U36-1101-6XXA-BP



HEAT SINK VIEW PN U36-1101-6XXA-F-BP



HEAT SINK VIEW PN U36-1101-6XXB-BP

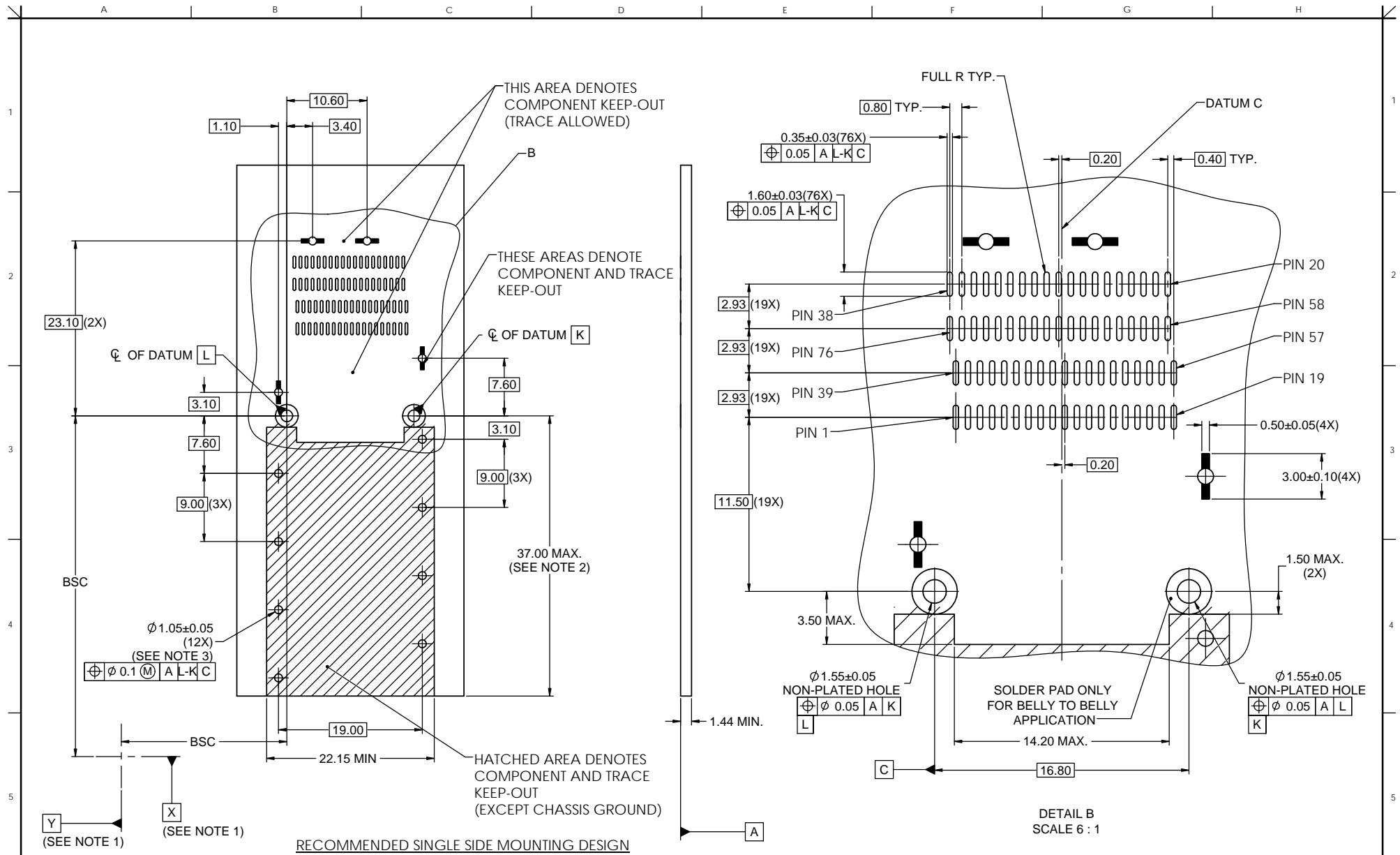


HEAT SINK VIEW PN U36-1101-6XXC-BP

PART NUMBER	HEAT SINK P/N	DIM"H"	DIM"H1"	DIM"H2"
UE36C1620005X2X	U36-1101-611X-BP	4.2MM	13.7MM	12.8MM
UE36C1620005X3X	U36-1101-610X-BP	6.5MM	16.0MM	15.1MM
UE36C1620005X4X	U36-1101-612X-BP	13.5MM	23.0MM	22.1MM
UE36C1620005X5X	U36-1101-613X-BP	4.5MM	14.0MM	13.1MM
UE36C1620005X6X	U36-1101-615X-BP	21.5MM	31.0MM	30.1MM
UE36C1620005XJX	U36-1101-61AX-BP	9.5MM	19.0MM	18.1MM
UE36C1620005XEX	U36-1101-61FX-BP	11.1MM	20.6MM	19.7MM

UNLESS SPECIFIED OTHERWISE	DRAWN	Peter Z	JAN.2, 19
UNIT	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES	M.E. APP'D		
GENERAL TOLERANCES	Q.A. APP'D		
1 DECIMAL PLACE	DWG APP'D	Arkady Z	JAN.2, 19
2 DECIMAL PLACES	ENG. REL. NO.		
ANGULAR DEGREES	REF.		
	THIRD ANGLE PROJECTION		
	DO NOT SCALE DRAWING		

<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		
REV	C		
CODE ID NO.	03554	DWG SIZE: C	SCALE: 2:1 SHEET 7 OF 10



RECOMMENDED SINGLE SIDE MOUNTING DESIGN

DETAIL B  
SCALE 6 : 1

NOTES:

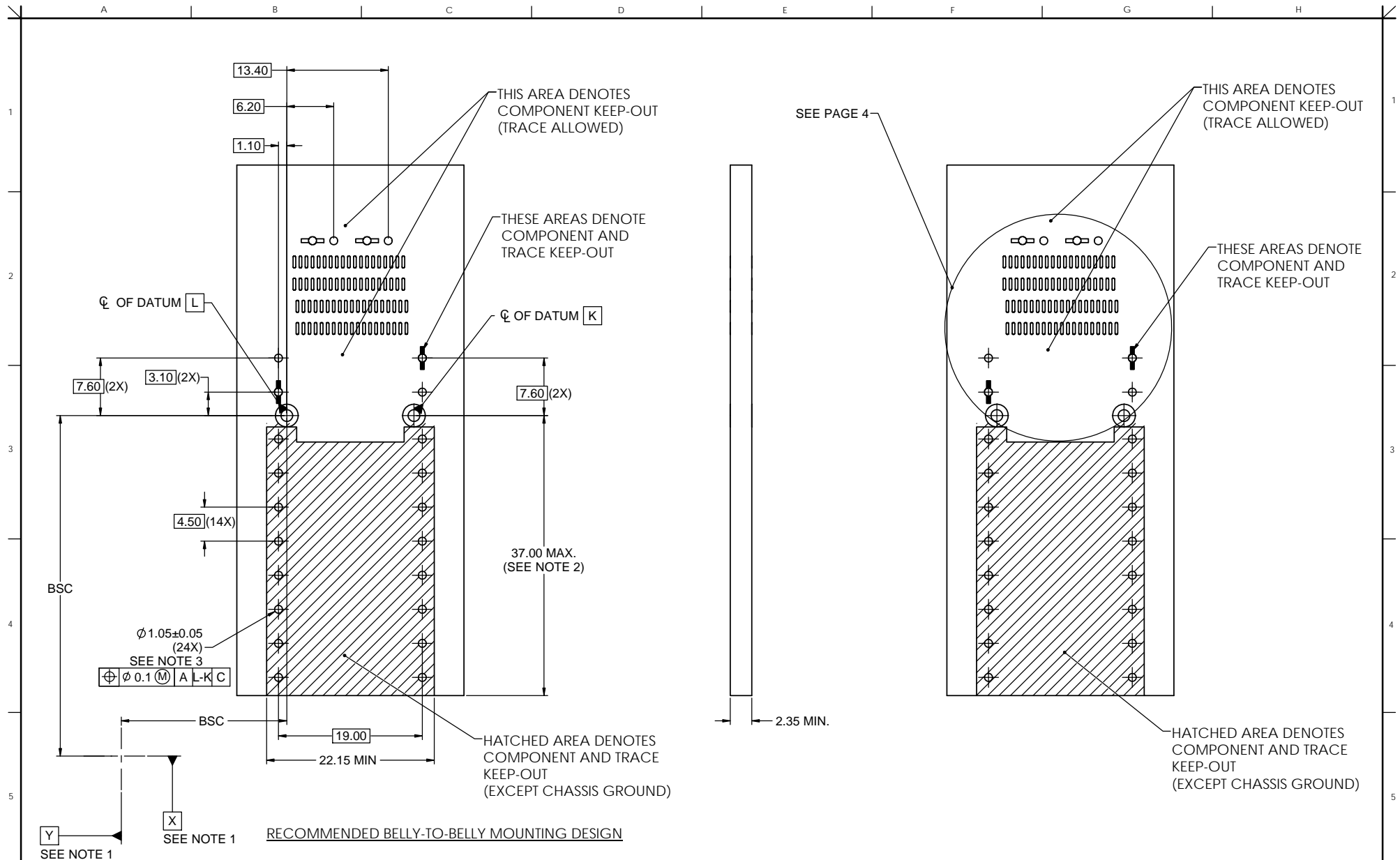
1. DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FIDUCIAL.
2. LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
3. FINISHED HOLE SIZE.

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UNLESS SPECIFIED OTHERWISE	DRAWN	Peter Z	JAN.2, 19
UNIT	MILLIMETERS	CHECKED	Chigow X
REFERENCE IN PARENTHESES		M.E. APP'D	
GENERAL TOLERANCES		Q.A. APP'D	
1 DECIMAL PLACE	±0.25	DWG APP'D	Arkady Z
2 DECIMAL PLACES	±0.15	ENG. REL. NO.	-
ANGULAR DEGREES	±1°	REF.	
		THIRD ANGLE PROJECTION	
		DO NOT SCALE DRAWING	

<b>Amphenol High Speed Interconnects</b>			
A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>			
QSFP-DD 1X1 CAGE ASSEMBLY			
2 REAR PIN			
WITH HEAT SINK OPTION, WITH			
EMBOSSES ON THE BOTTOM CAGE			
DWG. NO.	P-UE36-C162XX-05XXX		REV
CODE ID NO.	03554	DWG SIZE: C	C
SCALE:	2:1	SHEET	8 OF 10





NOTES:

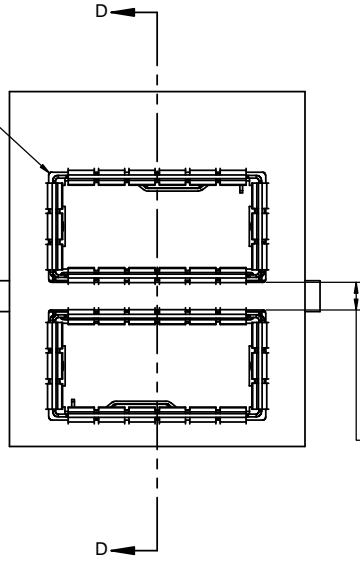
- DATUMS X AND Y ESTABLISHED BY CUSTOMER'S FIDUCIAL.
- LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.
- FINISHED HOLE SIZE.

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UNLESS SPECIFIED OTHERWISE	DRAWN Peter Z	JAN.2, 19	<b>Amphenol High Speed Interconnects</b> A Division of Amphenol Corp. <a href="http://www.amphenol-highspeed.com">www.amphenol-highspeed.com</a>		
UNIT MILLIMETERS	CHECKED Chigow X	JAN.2, 19			
REFERENCE IN PARENTHESES	M.E. APP'D		QSFP-DD 1X1 CAGE ASSEMBLY 2 REAR PIN WITH HEAT SINK OPTION, WITH EMBOSES ON THE BOTTOM CAGE		
GENERAL TOLERANCES	Q.A. APP'D				
1 DECIMAL PLACE ±0.25	DWG APP'D Arkady Z	JAN.2, 19	DWG. NO.	P-UE36-C162XX-05XXX	REV C
2 DECIMAL PLACES ±0.15	ENG. REL. NO.	-	CODE ID NO.	03554	DWG SIZE: C
ANGULAR DEGREES ±1°	THIRD ANGLE PROJECTION		SCALE: 2:1	SHEET 9 OF 10	

R0.30 MAX.  
TYP.

(2.85)



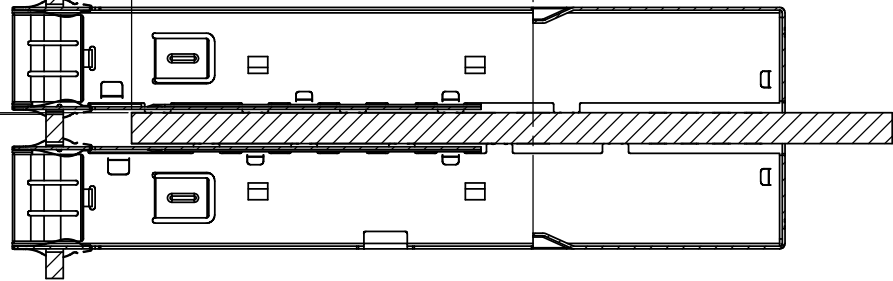
2.55  
(BEZEL CUT-OUT  
SPACING FOR 2.85MM PCB)

0.15±0.10  
BEZEL CUT-OUT  
BELOW PCB  
(TYP)

(1.60)

PANEL

6.30 REF.  
(SEE NOTE)



CENTER LINE OF  
CONNECTOR GUIDE POST

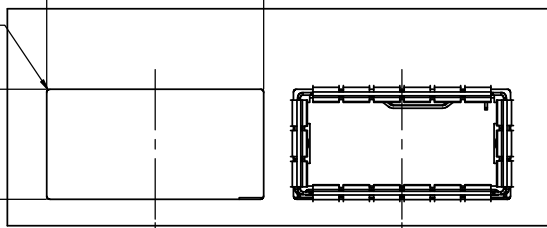
SECTION D-D  
SCALE 3 : 1

RECOMMENDED BELLY-TO-BELLY MOUNTING DESIGN

R0.30 MAX.  
TYP.

10.15±0.10

20.00±0.10



1.44 MIN.

RECOMMENDED SINGLE SIDE MOUNTING DESIGN

NOTES:

LOCATION OF EDGE OF PCB IS APPLICATION SPECIFIC.

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UNLESS SPECIFIED OTHERWISE	DRAWN	Peter Z	JAN.2, 19
UNIT	CHECKED	Chigow X	JAN.2, 19
REFERENCE IN PARENTHESES	M.E. APP'D		
	Q.A. APP'D		
GENERAL TOLERANCES	DWG APP'D	Arkady Z	JAN.2, 19
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](http://www.amphenol-highspeed.com)

QSFP-DD 1X1 CAGE ASSEMBLY  
2 REAR PIN  
WITH HEAT SINK OPTION, WITH  
EMBOSSES ON THE BOTTOM CAGE

DWG. NO.	P-UE36-C162XX-05XXX	REV	C
CODE ID NO.	03554	DWG SIZE:	C
SCALE:	2:1	SHEET	10 OF 10