

AMPHENOL PART NUMBER CONFIGURATION

UE36 - E 1 6 2 X X - X X X X X

UE36 - DD QSFP

STYLE(ASSEMBLY)

E - STACKED 2xN CONNECTOR/CAGE COMBO

NUMBER OF PORTS PER ROW

1 -NX1 PORTS

EMI TYPE

6 - SPRING FINGER

TERMINATION

2 - ALL PRESS FIT

OPTIONS

0 - STANDARD

VENTING

0 - STANDARD

PACKAGING

1 - TRAY PACKAGE

HEAT SINK

00 - NO HEATSINK/NOHOLE

01- NO HEATSINK WITH QSFP PAD OPENING

03- NO HEATSINK WITH QSFP-DD OPENING

BA- FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=4.2mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

BB- FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=6.5mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

BC- FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=13.5mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

BE- FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=9.0mm, W=X, L=80mm), (2 Bar or Dual 2 Bar Clip)

C3- FIN STYLE- LEFT TO RIGHT, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=3.6mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

CA- FIN STYLE- LEFT TO RIGHT, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=4.2mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

CB- FIN STYLE- LEFT TO RIGHT, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=6.5mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

CC- FIN STYLE- LEFT TO RIGHT, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
(H=13.5mm, W=X, L=Standard), (2 Bar or Dual 2 Bar Clip)

14- FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, BLACK HARD COAT ANODIZE
(H=9.0mm, W=X, L=80mm), (2 Bar or Dual 2 Bar Clip)

25 - (BASE ON "BA" OPTION TOP & INNER HEAT SINK WITH MICRO-TIM COATING)

CAGE PLATING

2 - NICKEL

PLATING FOR MATING CONTACT - PRESS FIT

LETTER	PLATING FOR MATING CONTACT - INTERFACE	PLATING FOR MATING CONTACT - TERMINATION
3	0.76µm MIN. HARD GOLD	0.5-1.5µm DIP PLATING MATTE TIN
4	0.76µm MIN. HARD GOLD	0.5-1.5µm SPOT PLATING MATTE TIN

NOTES:

- 1) MATERIAL:
CAGE-PRESS FIT: COPPER ALLOY
EMI FINGERS: COPPER ALLOY
CAGE PLATING: 1 µm MIN NICKEL
HOUSING: SOLDER REFLOW PROCESS COMPATIBLE LCP, UL 94 V-0
CONTACTS: COPPER ALLOY
HEAT SINK: ALUMINUM, PLATING NICKEL OR ANODIZED

2) ROHS COMPLIANT

3) TRAY PACKAGE

4) COMPLIES WITH QSFP-DD MSA.



UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY.S	MAR. 31, 17
PRIMARY UNITS	MILLIMETERS	CHECKED	Michael.Sc	NOV. 14, 17
SECONDARY	MILLIMETERS	M.E. APP'D	-	NOV. 14, 17
REFERENCE IN PARENTHESES		Q.A. APP'D	-	NOV. 14, 17
GENERAL TOLERANCES		DWG. APP'D	Michael.Sc	NOV. 14, 17
1 DECIMAL PLACE	±0.25	ENG. REL. NO.		
2 DECIMAL PLACES	±0.15	REF.		
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

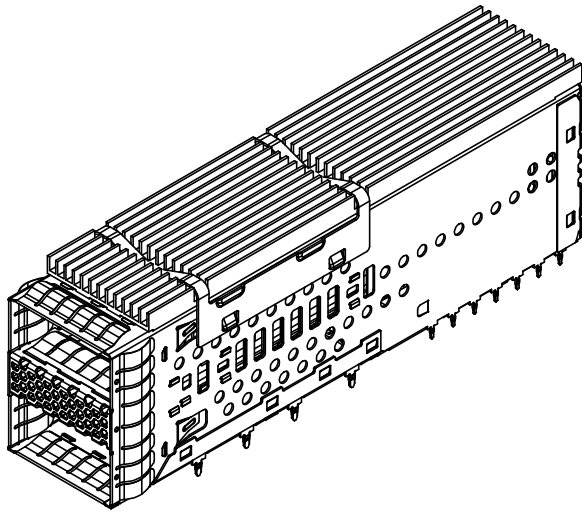
Amphenol High Speed Interconnects
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DD QSFP STACKED
2x1 CAGE&CONNECTOR COMBO

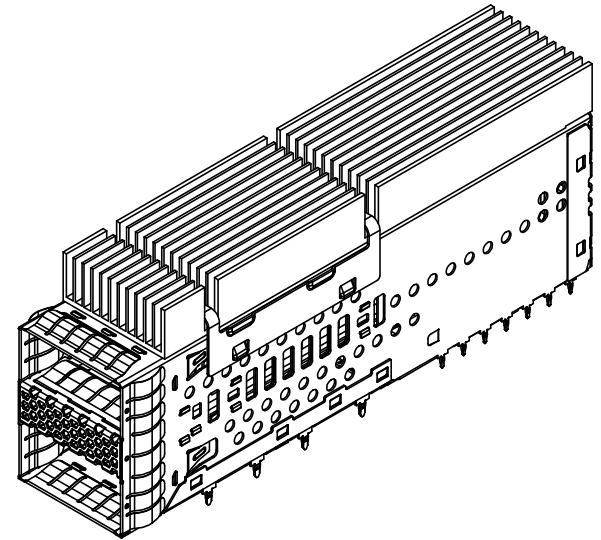
DWG. NO.	P-UE36-E162XX-XXXXX			REV	L
CODE ID NO.	03554	DWG SIZE:	C	SCALE:	2:1
		SHEET	1 OF 7		

REVISIONS

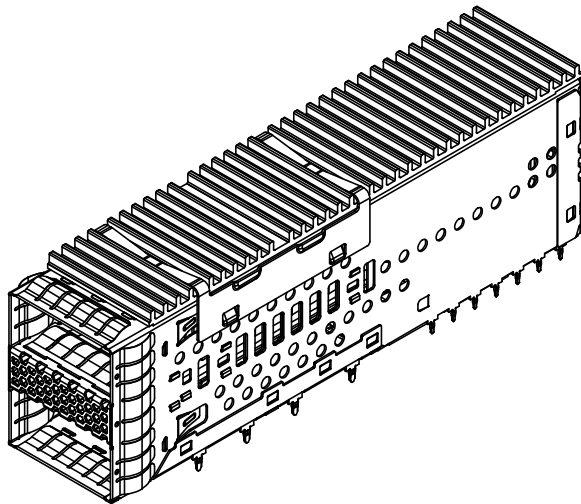
REV.	DESCRIPTION	DATE	APPROVED
A	PROPOSAL	5/31/17	J.S.
B	CORRECTED PLACEMENT OF PANEL	6/26/17	J.S.
C	MSA UPDATES	8/8/17	J.S.
D	RE-DRAWN WITH NEW MODEL AND FORMAT	11/14/17	J.S.
D.1	PLATING NOTE CHANGED	1/16/2018	J.S.
D.2	CORRECTED QUANTITY ON CONNECTOR HOLES	2/9/2018	J.S.
E	ADD OPTION	2019/4/29	J.S.
E1	CORRECTED THE BEZEL OPENING PER MSA 4.0	2019/6/3	J.S.
E2	ADD OPTION	2019/7/16	J.S.
E3	HSK HEIGHT 3.6MM WAS 3.0MM	2019/8/13	J.S.
F	ADD OPTIONS	2019/9/17	J.S.
G	ADD HEATSINK OPTION AND SPECIFIED TOLERANCE FOR REF. DIM.	2021/1/8	J.S.
H	UPDATE RECOMMENDED PCB BOARD LAYOUT	2021/7/30	J.S.
J	ADD OPTION UE36-E16200-32251	2022/11/22	Chigow.X
K	ADD BELLY TO BELLY APPLICATION LAYOUT RECOMMENDATIONS	2024/06/21	Chigow.X
L	ADDED SPOT PLATING TIN OPTION	2024/07/22	Chigow.X



UE36-E16200-XXBA1 & UE36-E16200-XX251 SHOWN



UE36-E16200-XXBE1 (HEATSINK WITH NICKEL PLATING) SHOWN
UE36-E16200-XX141 (HEATSINK WITH BLACK ANODIZE) SHOWN

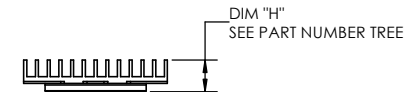
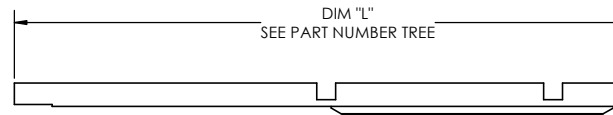
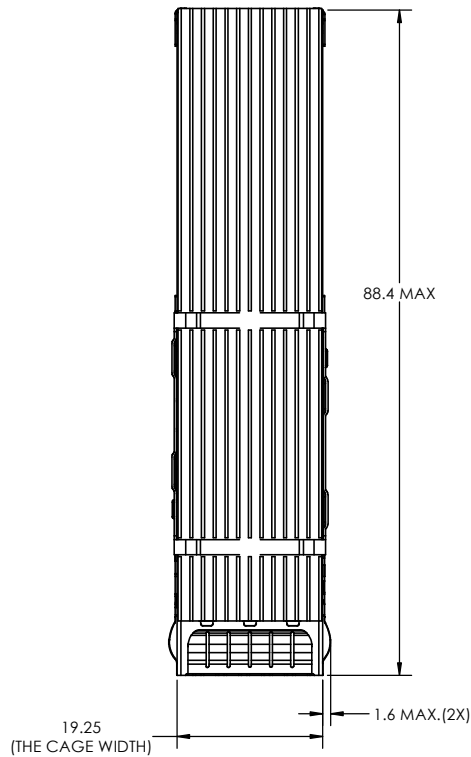
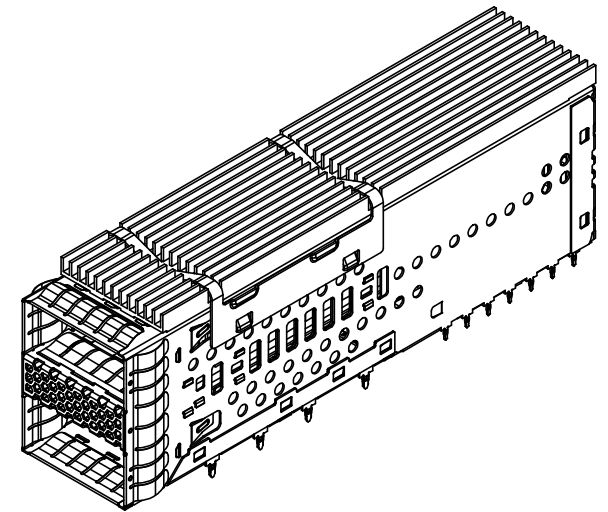


UE36-E16200-XXC31 SHOWN

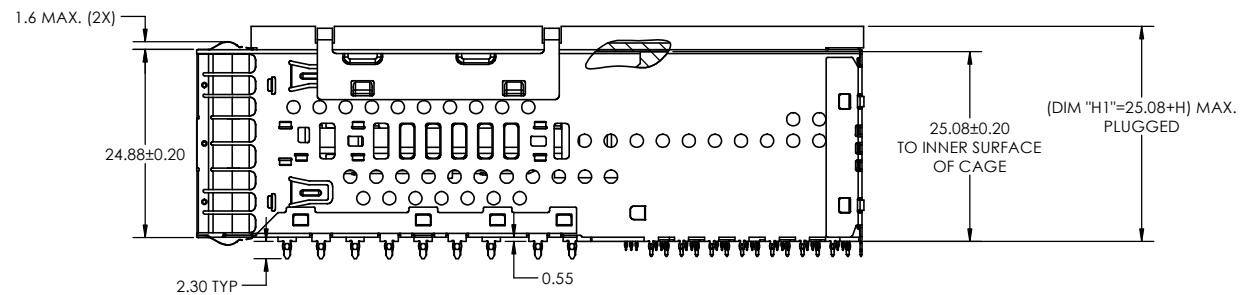
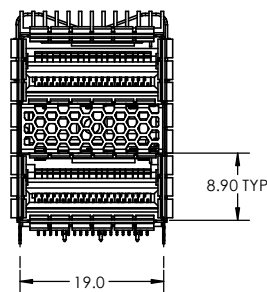
UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY.S	MAR. 31, 17
PRIMARY UNITS	MILLIMETERS	CHECKED	Michael.Sc	NOV. 14, 17
SECONDARY	MILLIMETERS	M.E. APP'D	-	NOV. 14, 17
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2 DECIMAL PLACES	±0.15	REF.		
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

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DD QSFP STACKED 2x1 CAGE&CONNECTOR COMBO			
DWG. NO.	P-UE36-E162XX-XXXXX		REV L
CODE ID NO.	03554	DWG SIZE: C	SCALE: 2:1 SHEET 2 OF 7

UE36-E16200-XXBA1 SHOWN



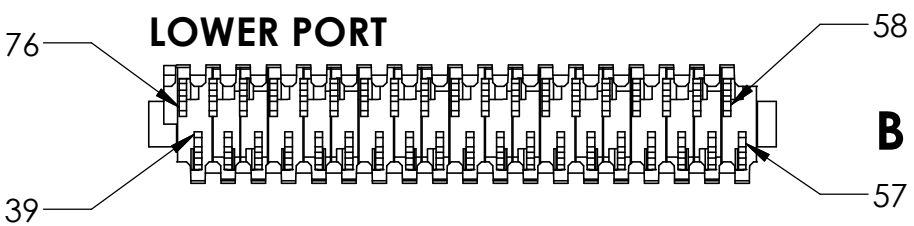
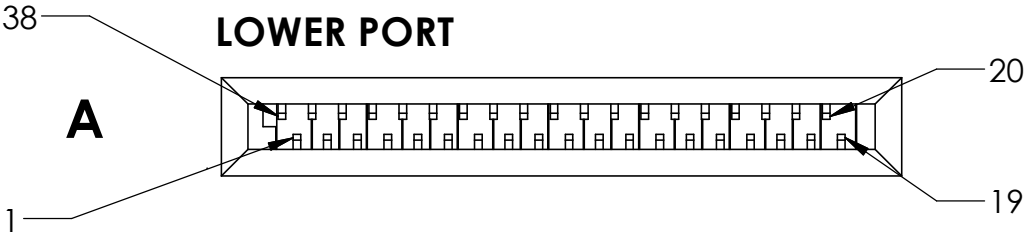
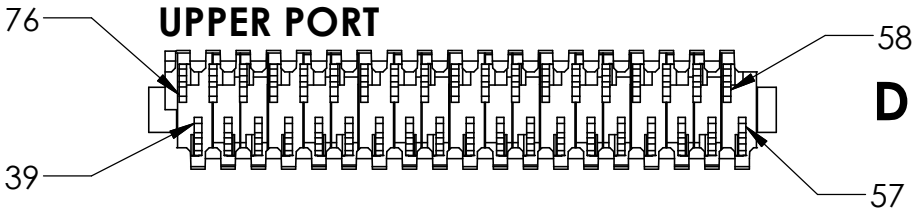
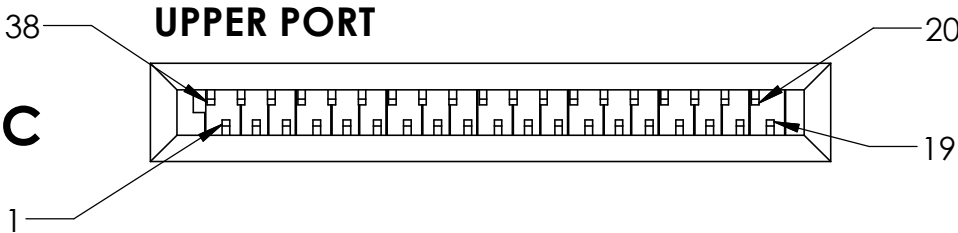
HEAT SINK VIEW



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P-UE36-E162XX-XXXXX			L
CODE ID NO.	03554	DWG. SIZE:	C
SCALE:	2:1	SHEET	3 OF 7

CONNECTOR PINS IN 2X1 STACKED CAGE
AS VIEWED FROM THE FRONT

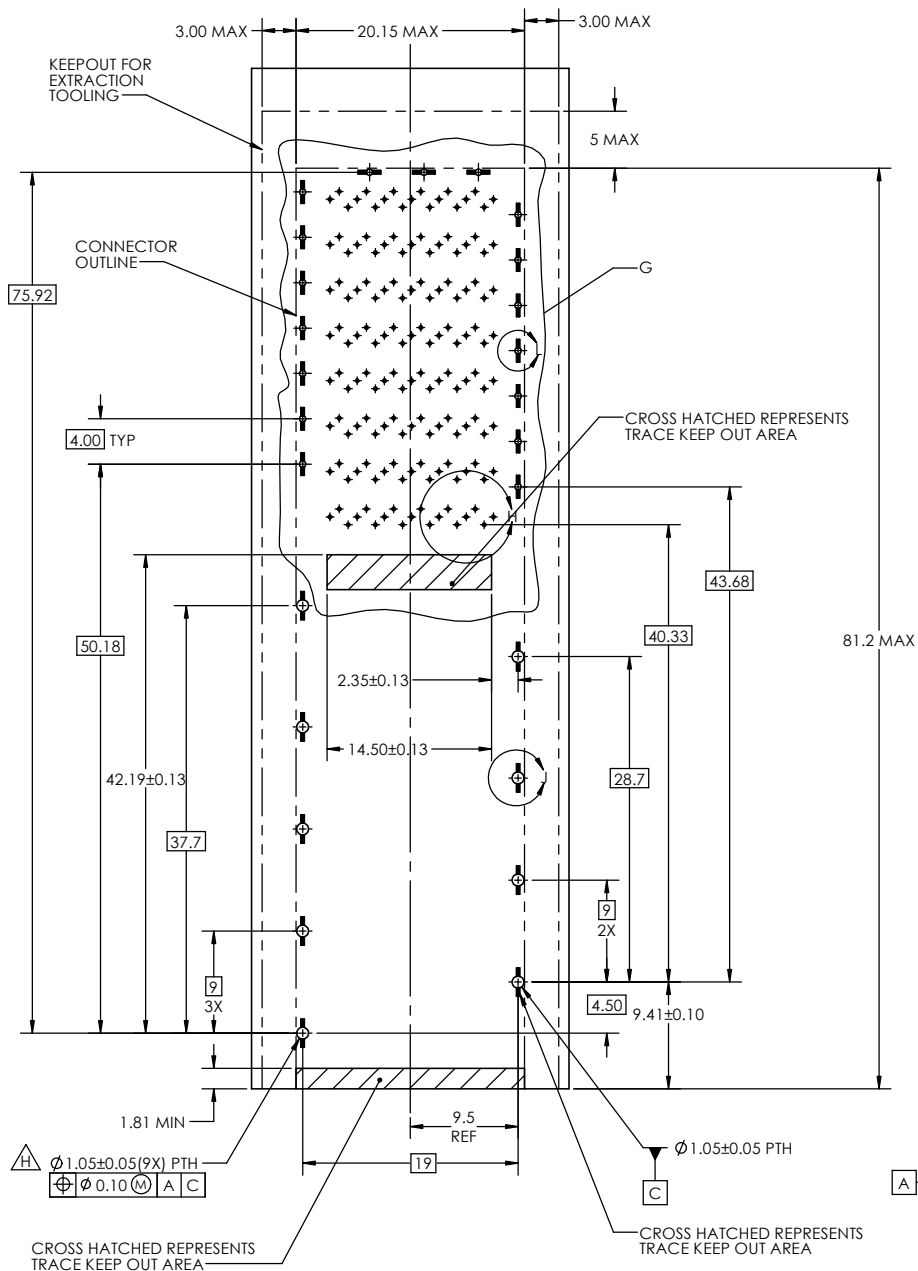


FRONT CONTACTS

REAR CONTACTS

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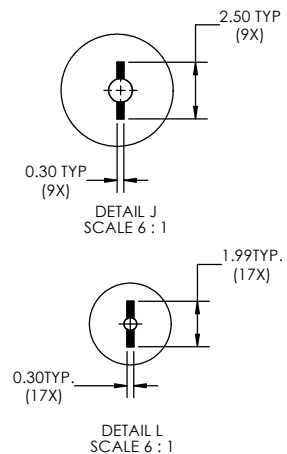
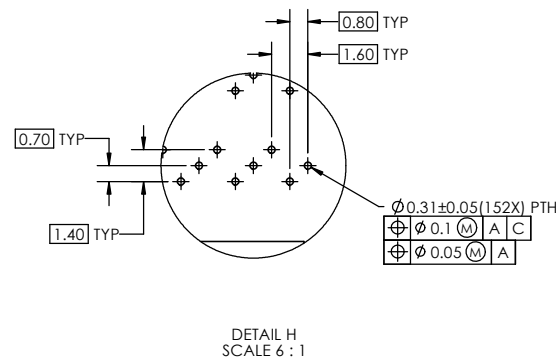
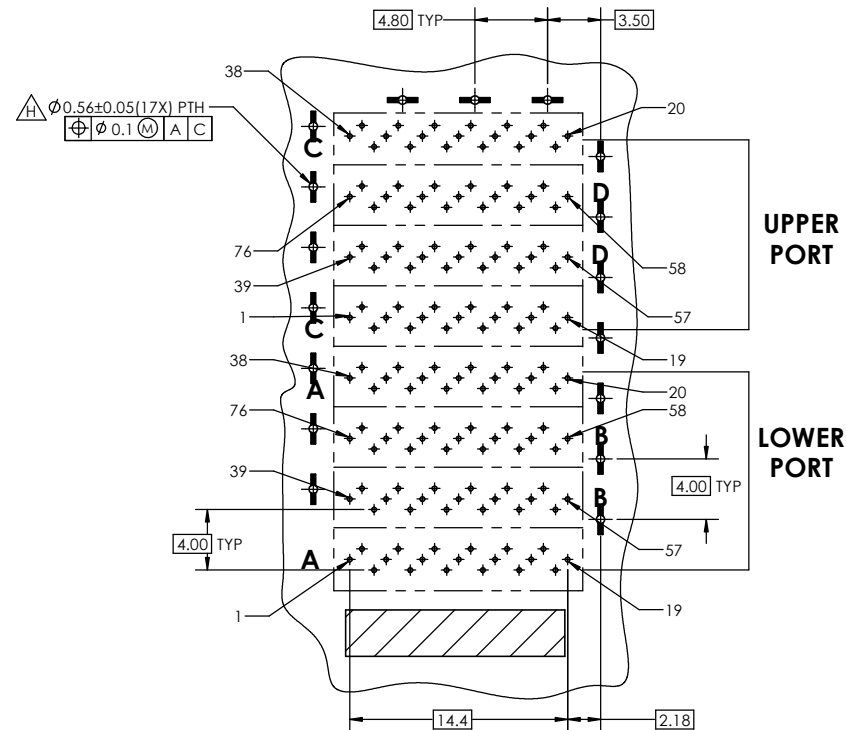
UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY.S	MAR. 31, 17	Amphenol High Speed Interconnects A Division of Amphenol Corp. www.amphenol-highspeed.com	
PRIMARY UNITS	MILLIMETERS	CHECKED	Michael.Sc	NOV. 14, 17		
SECONDARY	MILLIMETERS	M.E. APP'D	-	NOV. 14, 17	DD QSFP STACKED 2x1 CAGE&CONNECTOR COMBO	
REFERENCE IN PARENTHESES		Q.A. APP'D	-	NOV. 14, 17		
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1 DECIMAL PLACE	±0.25	ENG. REL. NO.				
2 DECIMAL PLACES	±0.15	REF.			REV L	
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING		
		CODE ID NO.	03554	DWG SIZE: C	SCALE: 1:1	SHEET 4 OF 7



**RECOMMENDED SINGLE SIDE MOUNTING PCB BOARD LAYOUT
COMPONENT SIDE SHOWN**

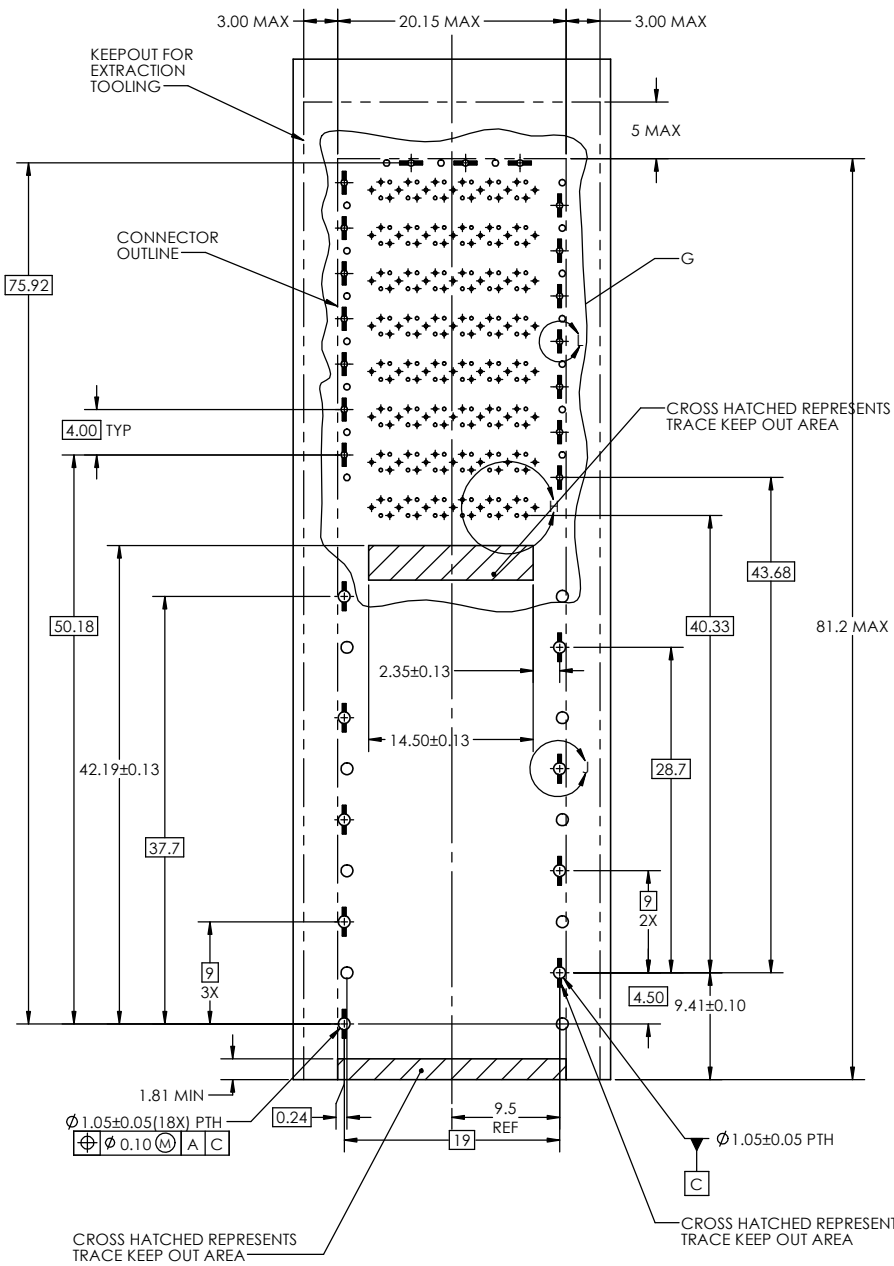
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1.44 MIN

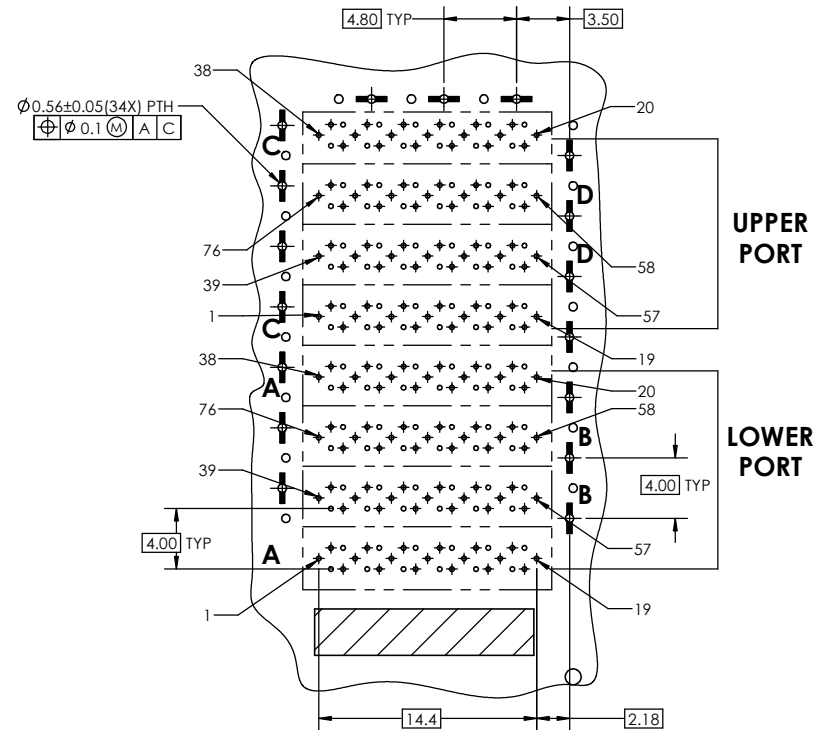


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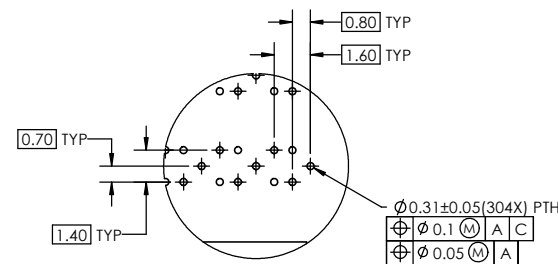
Amphenol High Speed Interconnects	
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DD QSFP STACKED 2x1 CAGE&CONNECTOR COMBO	
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P-UE36-E162XX-XXXXX	L
CODE ID NO. 03554	DWG. SIZE: C SCALE: 2:1 SHEET 5 OF 7



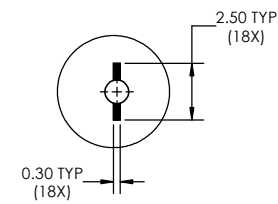
**RECOMMENDED BELLY TO BELLY MOUNTING PCB BOARD LAYOUT
COMPONENT SIDE SHOWN**



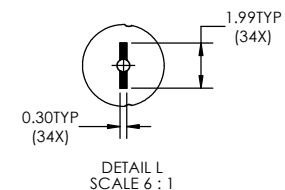
**DETAIL G
SCALE 4 : 1**



**DETAIL H
SCALE 6 : 1**



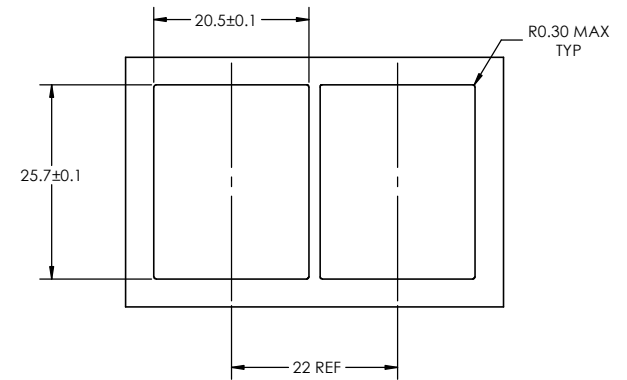
**DETAIL J
SCALE 6 : 1**



**DETAIL L
SCALE 6 : 1**

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2 DECIMAL PLACES	±0.15	REF.	
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION	

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DD QSFP STACKED 2x1 CAGE&CONNECTOR COMBO	
DWG. NO.	REV
P-UE36-E162XX-XXXXX	L
CODE ID NO.	SHEET 6 OF 7



20.5±0.1

22 REF

R0.30 MAX TYP

25.7±0.1

DIM"A"=(DIM"B"+0.20) ±0.10

0.24±0.05

22REF

UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY SMAR, 31, 17
PRIMARY UNITS	MILLIMETERS	CHECKED	Michael.Scott, 11, 17
SECONDARY	MILLIMETERS	M.E. APP'D	- NOV, 14, 17
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DWG. NO.					REV	
P-UE36-E162XX-XXXXX					L	
CODE ID NO.	03554	DWG SIZE:	C	SCALE:	1:1	SHEET 7 OF 7