

AMPHENOL PART NUMBER CONFIGURATION

UE36 - E 1 6 2 X X - X X XX 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=19mm, L=81mm), (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=19mm, L=81mm), (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=19mm, L=81mm), (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=19mm, 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=19mm, L=81mm), (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=19mm, L=81mm), (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=19mm, L=81mm), (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=19mm, L=81mm), (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=19mm, L=80mm), (2 Bar or Dual 2 Bar Clip)
 ⚠ 25 - (BASE ON "BA" OPTION TOP & INNER HEAT SINK WITH MICRO-TIM COATING)
 ⚠ 15 - FIN STYLE- FRONT TO BACK, STANDARD FIN SIZE and QTY, QSFP-DD PAD, NICKEL
 (H=7.77mm, W=19mm, L=81mm), (2 Bar or Dual 2 Bar Clip)

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:

- 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
SECONDARY	MILLIMETERS	M.E. APP'D	-
REFERENCE IN PARENTHESES		Q.A. APP'D	-
GENERAL TOLERANCES		DWG. APP'D	Michael.Sc
1 DECIMAL PLACE	±0.25	ENG. REL. NO.	
2 DECIMAL PLACES	±0.15	REF.	
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION	

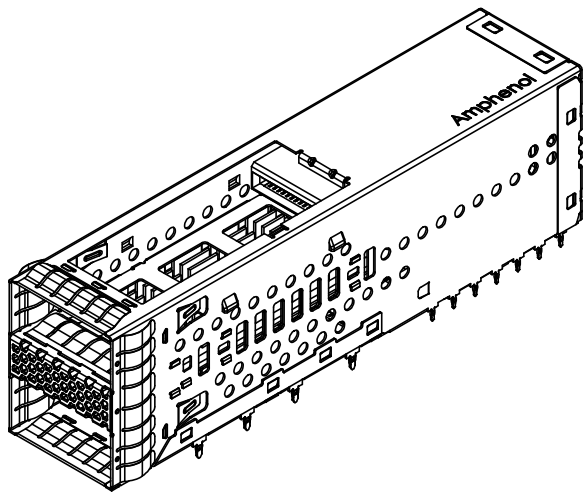
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**DD QSFP STACKED
 2x1 CAGE&CONNECTOR COMBO**

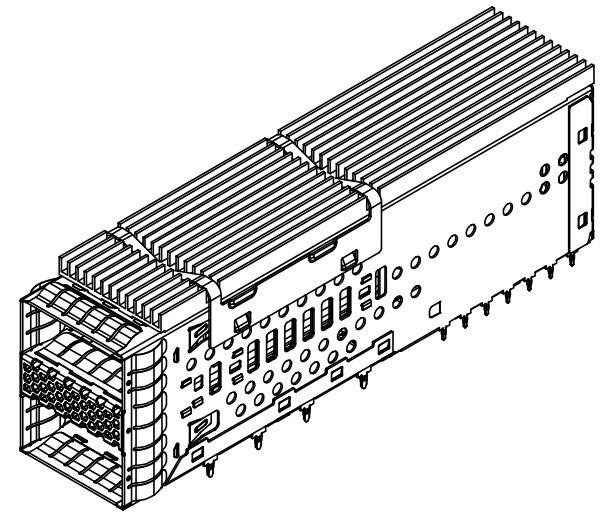
DWG. NO. **P-UE36-E162XX-XXXXX** REV **M**

CODE ID. NO. **03554** DWG. SIZE: **C** SCALE: **2:1** SHEET **1** OF **8**

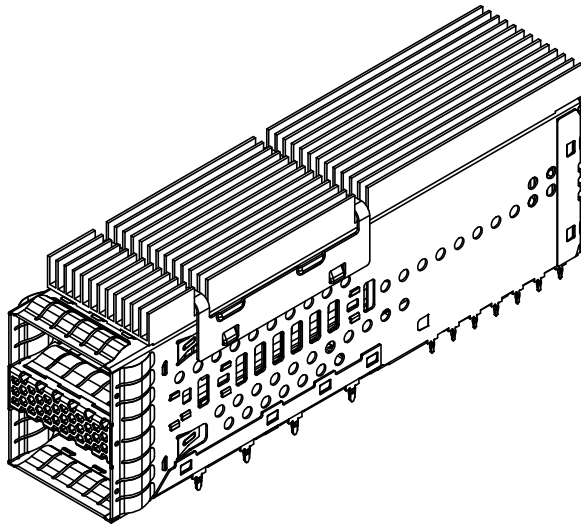
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PROPOSAL	5/31/17	J.S.
B	CORRECTED PLACEMENT OF PANEL	4/26/17	J.S.
C	MSA UPDATES	8/8/17	J.S.
D	RE-DRAWN WITH NEW MODEL AND FORMAT	11/14/17	J.S.
D.1	PLATING NOTE CHANGED	1/16/2018	J.S.
D.2	CORRECTED QUANTITY ON CONNECTOR HOLES	2/9/2018	J.S.
E	ADD OPTION	2019/4/29	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
M	ADD SMOE ISOMETRIC VIEWS; ADD OPTION UE36-E16200-42151	2025/05/09	Chigow.X



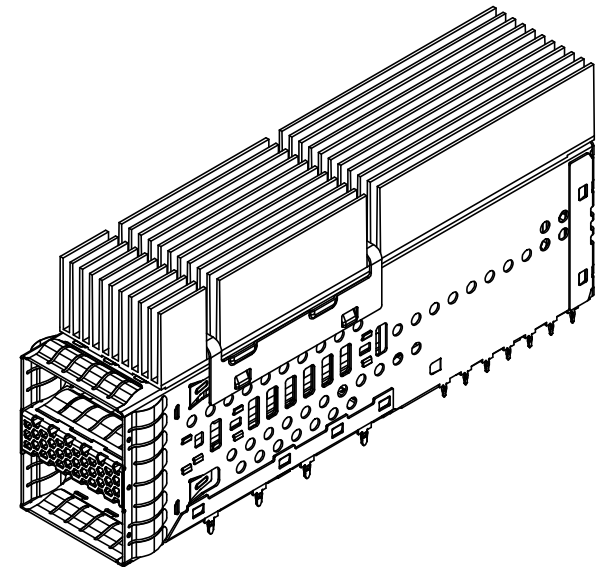
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
UE36-E16200-X2BA1 SHOWN



UE36-E16200-X2BB1 SHOWN 



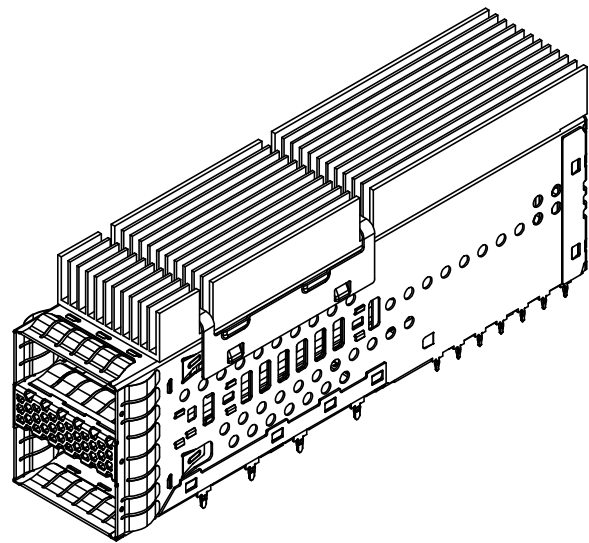
UE36-E16200-X2BC1 SHOWN 

UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY.Sc	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
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2 DECIMAL PLACES	±0.15	REF.		
ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

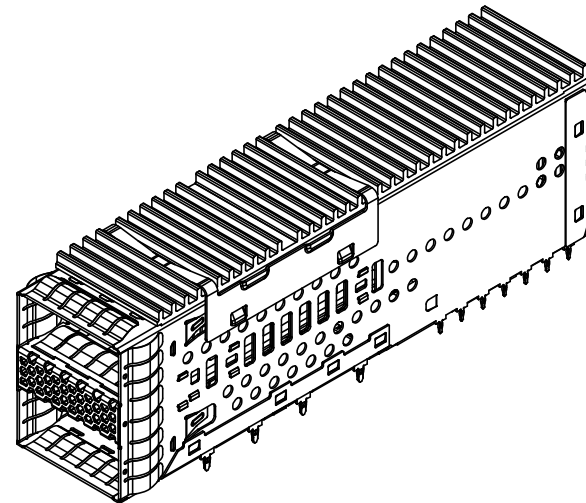
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DD QSFP STACKED
 2x1 CAGE&CONNECTOR COMBO

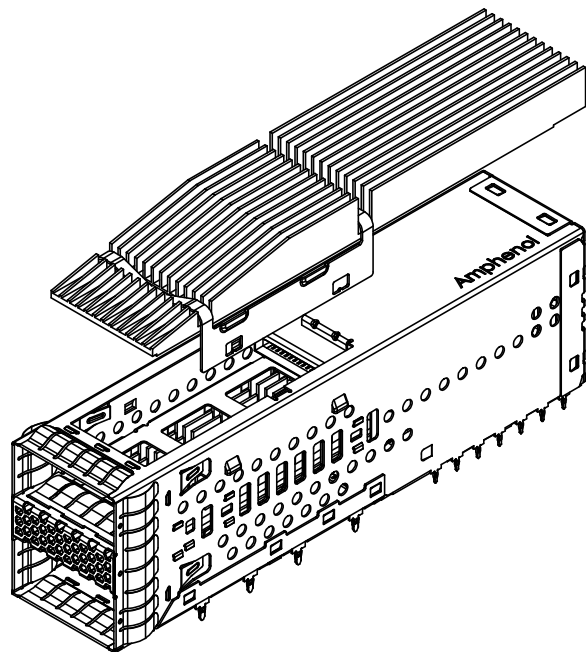
DWG. NO.	P-UE36-E162XX-XXXXX	REV	M
CODE ID NO.	03554	DWG SIZE:	C
SCALE:	2:1	SHEET 2 OF 8	



UE36-E16200-X2BE1 (TOP HEATSINK WITH NICKEL PLATING) SHOWN
UE36-E16200-X2141 (TOP HEATSINK WITH BLACK ANODIZE) SHOWN



UE36-E16200-X2C31 SHOWN



UE36-E16200-42151 SHOWN
TOP HEATSINK AND CLIP NOT ASSEMBLED WITH CAGE.
WILL PACKED SEPARATELY IN THE TRAY/COVER IN SAME CAGE BOX.

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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 M
CODE ID NO.	03554	DWG SIZE: C	SCALE: 2:1 SHEET 3 OF 8

A

B

C

D

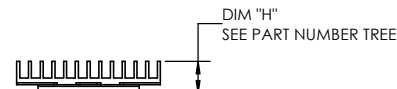
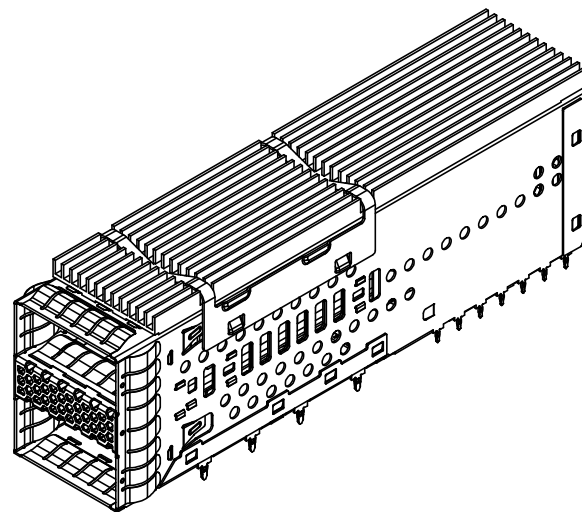
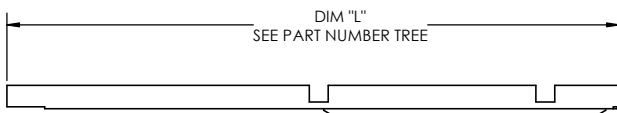
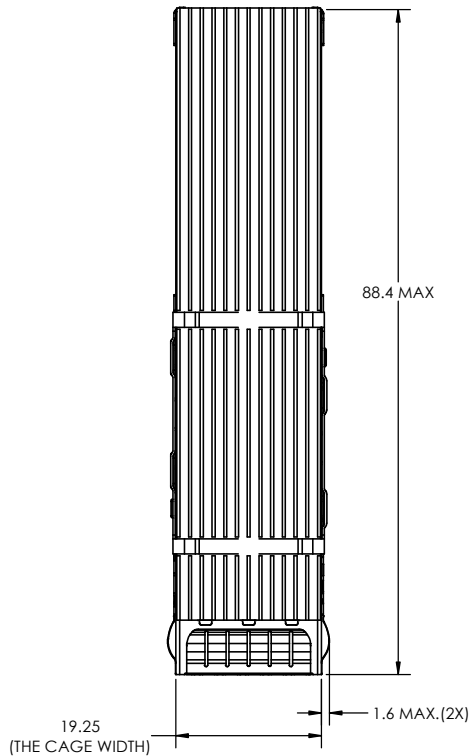
E

F

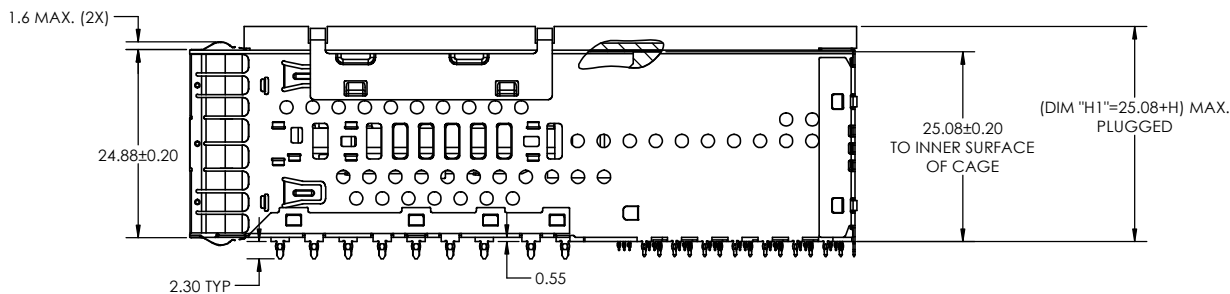
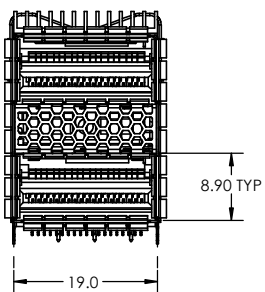
G

H

UE36-E16200-XXBA1 SHOWN



HEAT SINK VIEW



UNLESS SPECIFIED OTHERWISE	DRAWN	JEREMY.S	MAR. 31, 17
PRIMARY UNITS	MILLIMETERS	CHECKED	Michael.Sc NOV. 14, 17
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**DD QSFP STACKED
 2x1 CAGE&CONNECTOR COMBO**

DWG. NO.	P-UE36-E162XX-XXXXX	REV	M
CODE ID. NO.	03554	DWG. SIZE:	C
SCALE:	2:1	SHEET	4 OF 8

A

B

C

D

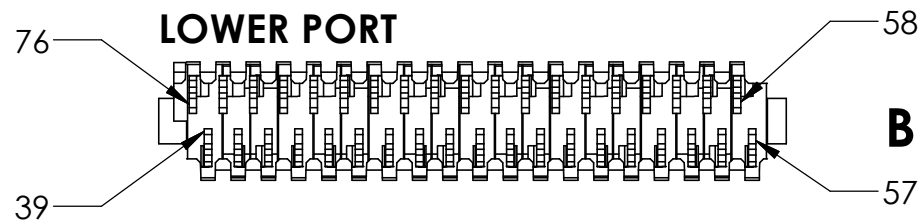
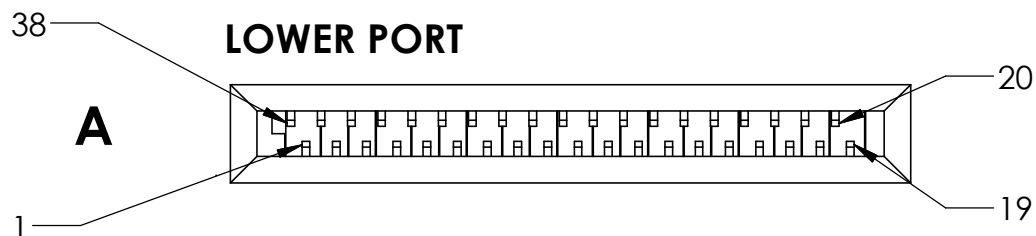
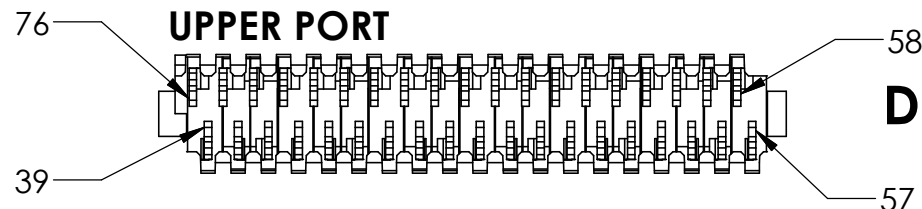
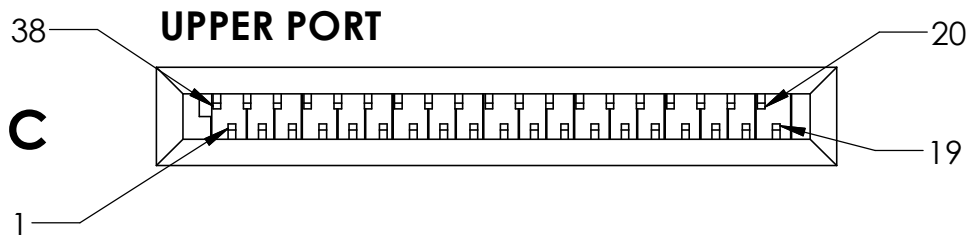
E

F

G

H

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



FRONT CONTACTS

REAR CONTACTS

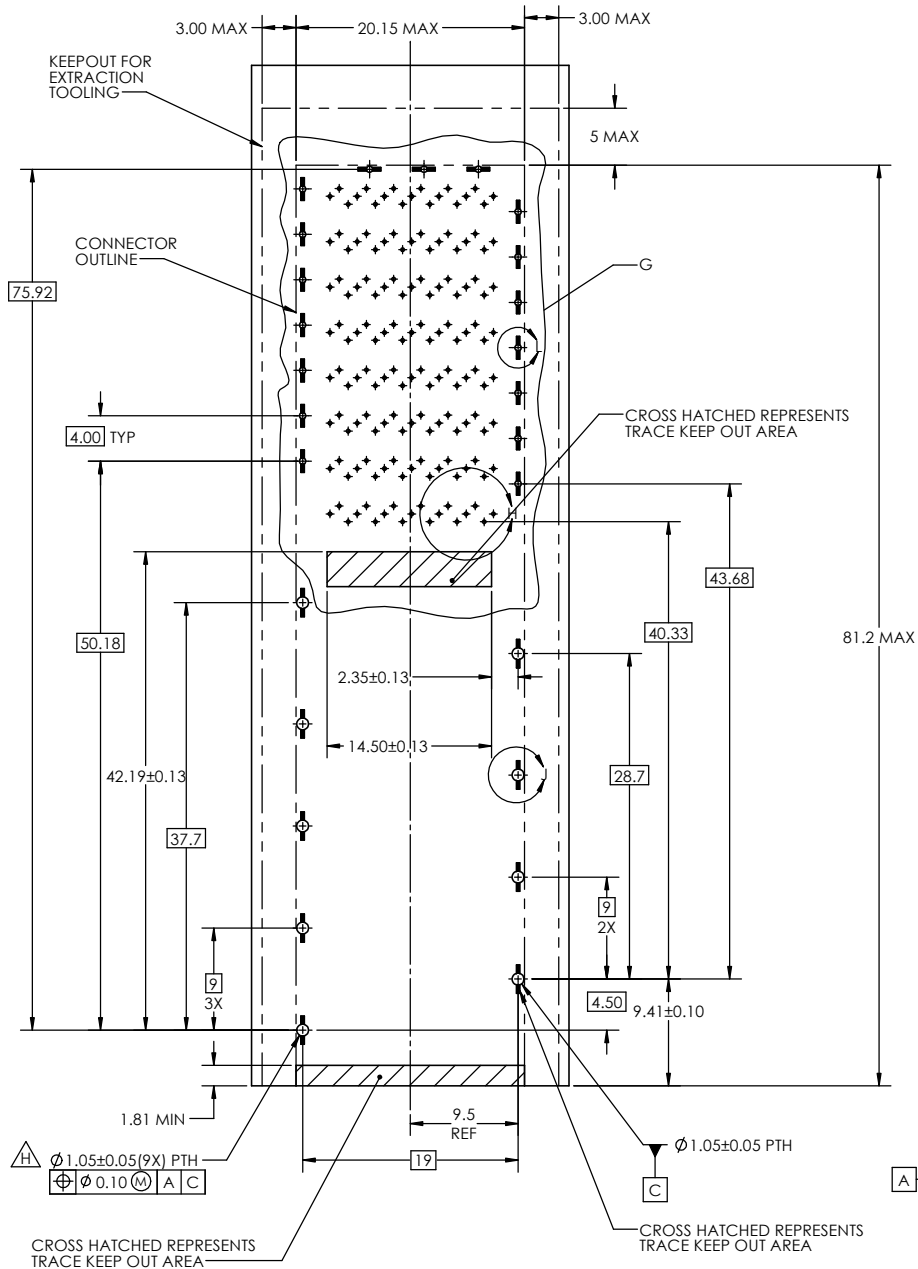
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ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		
		DO NOT SCALE DRAWING		

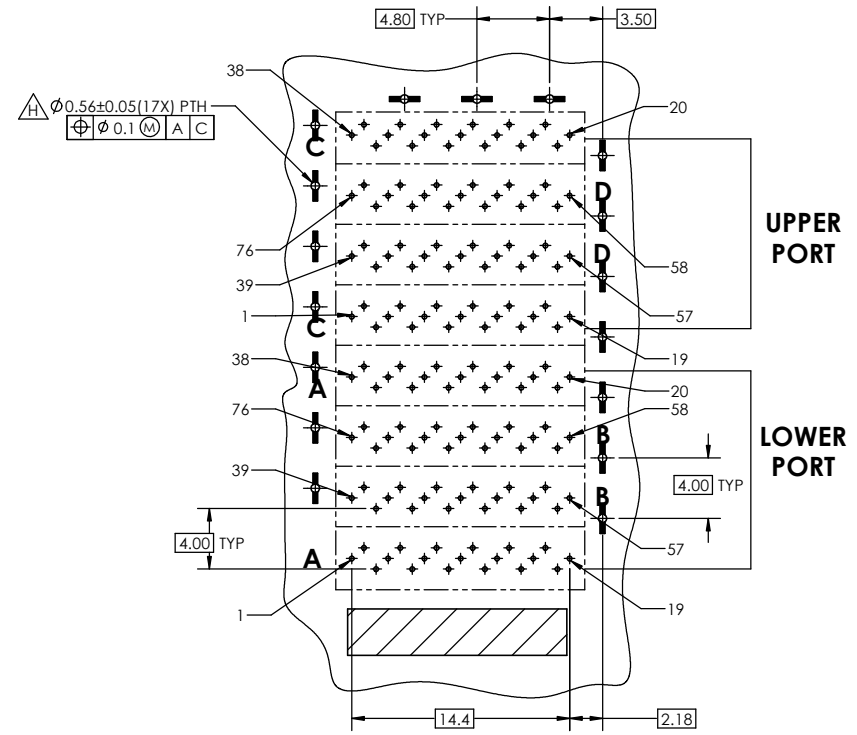
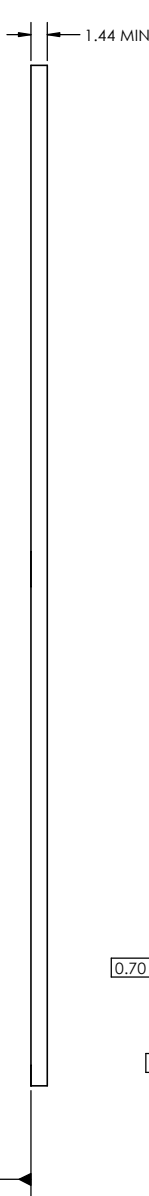
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**DD QSFP STACKED
2x1 CAGE&CONNECTOR COMBO**

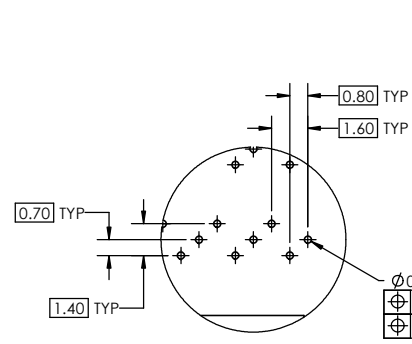
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CODE ID NO.	03554	DWG SIZE:	C
SCALE:	1:1	SHEET	5 OF 8



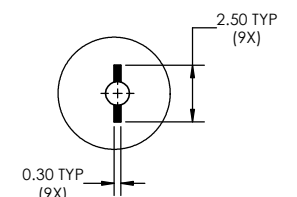
**RECOMMENDED SINGLE SIDE MOUNTING PCB BOARD LAYOUT
COMPONENT SIDE SHOWN**



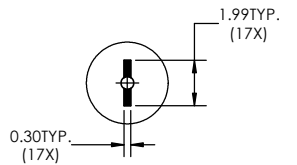
DETAIL G
SCALE 4 : 1



DETAIL H
SCALE 6 : 1



DETAIL J
SCALE 6 : 1



DETAIL L
SCALE 6 : 1

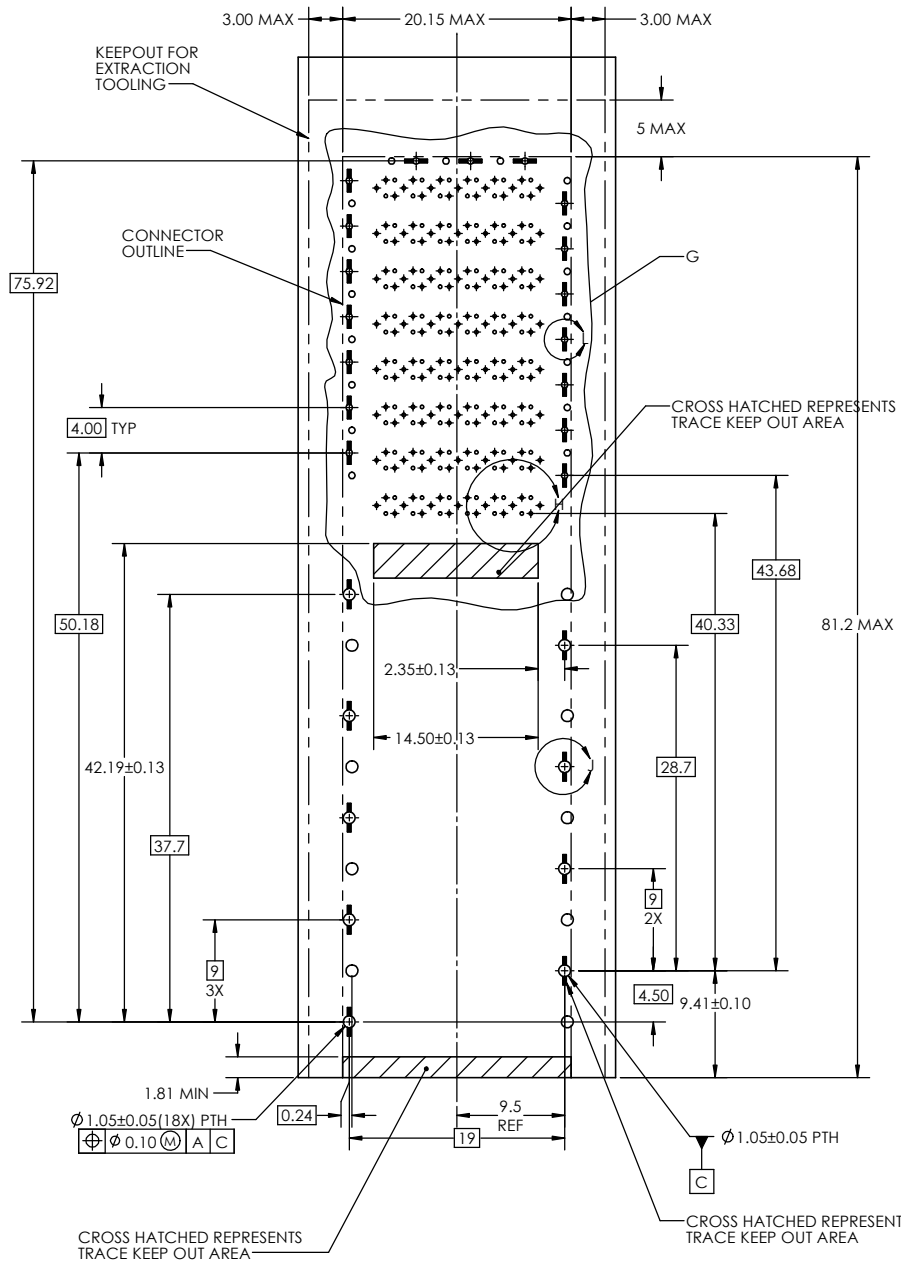
UNLESS SPECIFIED OTHERWISE		DRAWN	JEREMY.S	MAR. 31, 17
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ANGULAR DEGREES	±0.5°	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING

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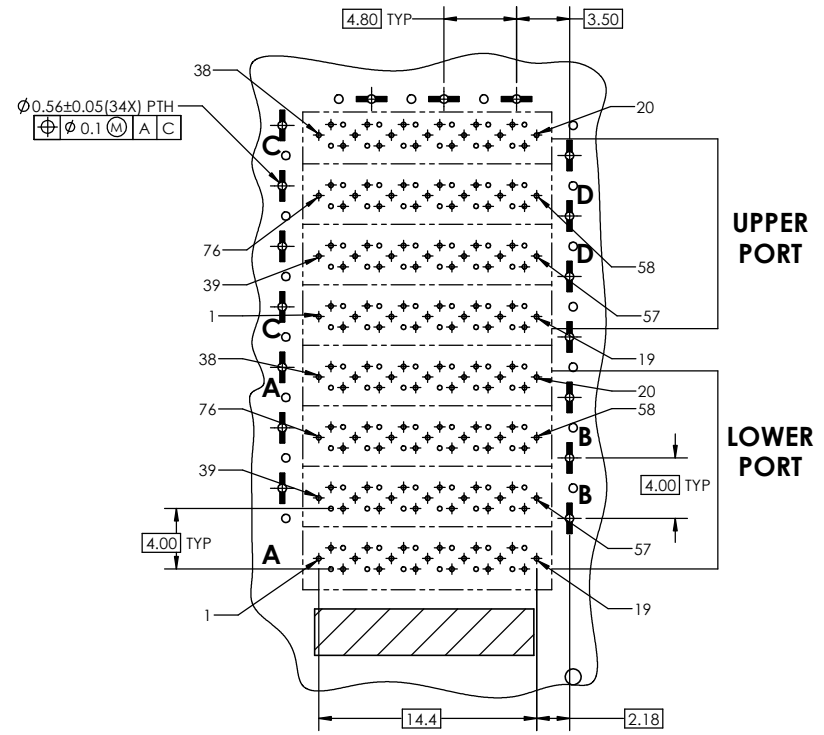
**DD QSFP STACKED
2x1 CAGE&CONNECTOR COMBO**

DWG. NO. **P-UE36-E162XX-XXXXX** REV **M**

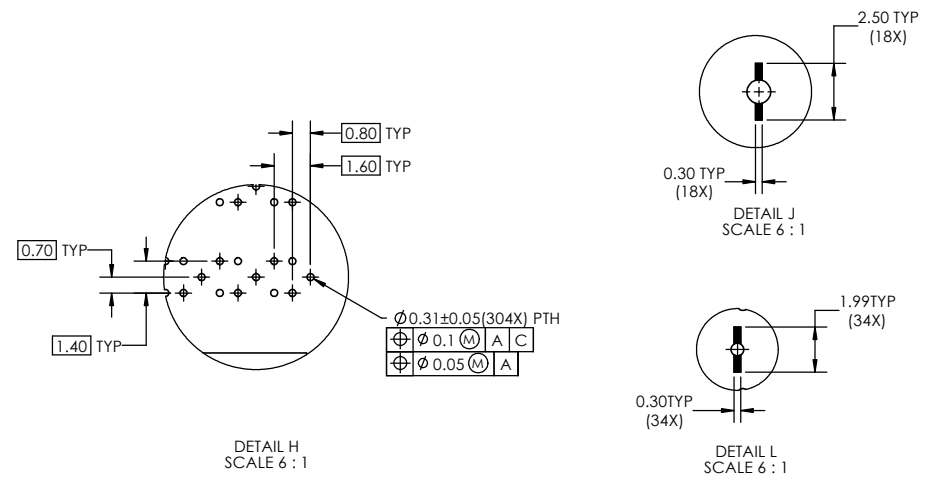
CODE ID. NO. **03554** DWG SIZE: **C** SCALE: **2:1** SHEET **6** OF **8**



**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

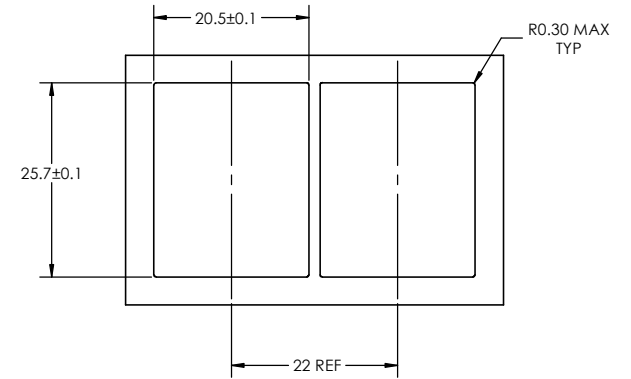
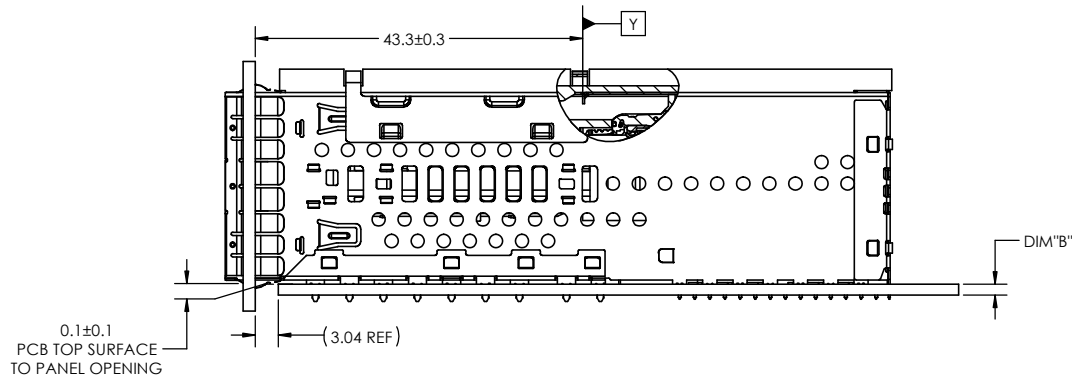
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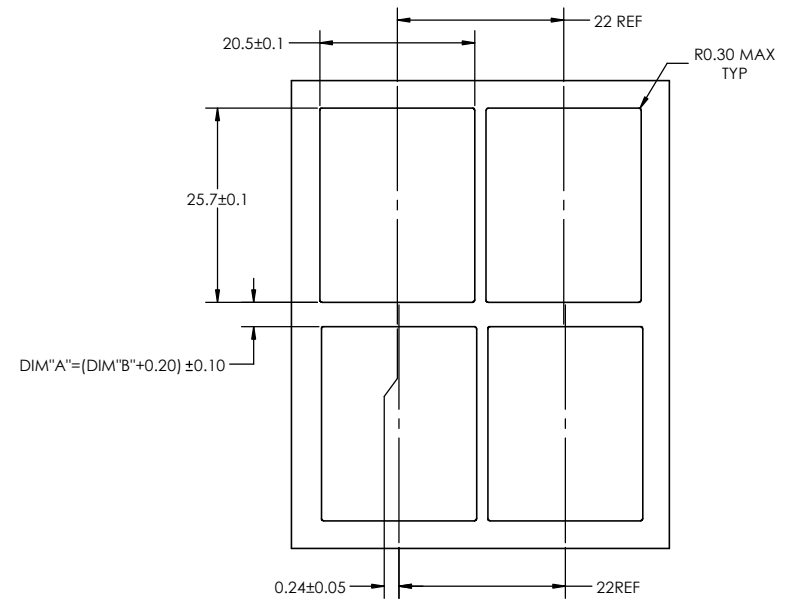
**DD QSFP STACKED
2x1 CAGE&CONNECTOR COMBO**

DWG. NO. **P-UE36-E162XX-XXXXX** REV **M**

CODE ID NO. **03554** DWG SIZE: **C** SCALE: **2:1** SHEET **7** OF **8**



SINGLE SIDE APPLICATION PANEL OPENINGS
SCALE 2 : 1



BELLY TO BELLY APPLICATION PANEL OPENINGS
SCALE 2 : 1

UNLESS SPECIFIED OTHERWISE	DRAWN	JEREMY.S	MAR. 31, 17
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**DD QSFP STACKED
2x1 CAGE&CONNECTOR COMBO**

P-UE36-E162XX-XXXXX

DWG. NO.	REV
CODE ID NO. 03554	M
DWG. SIZE: C	SCALE: 1:1
SHEET 8 OF 8	