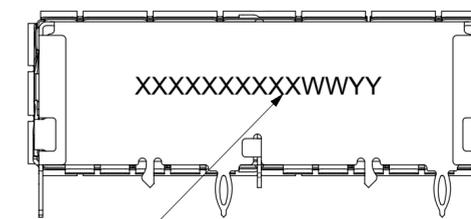
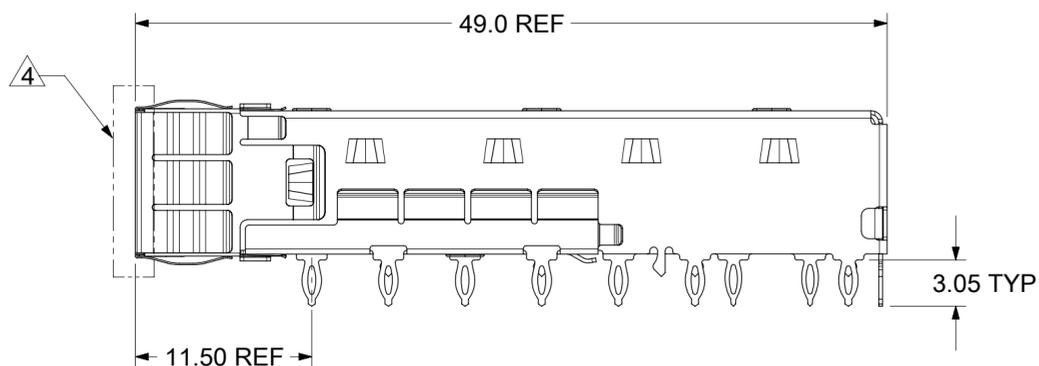
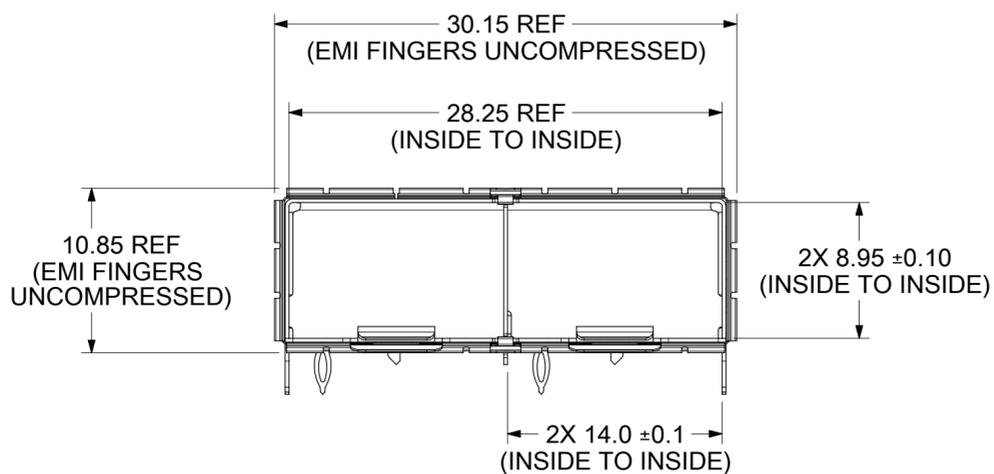
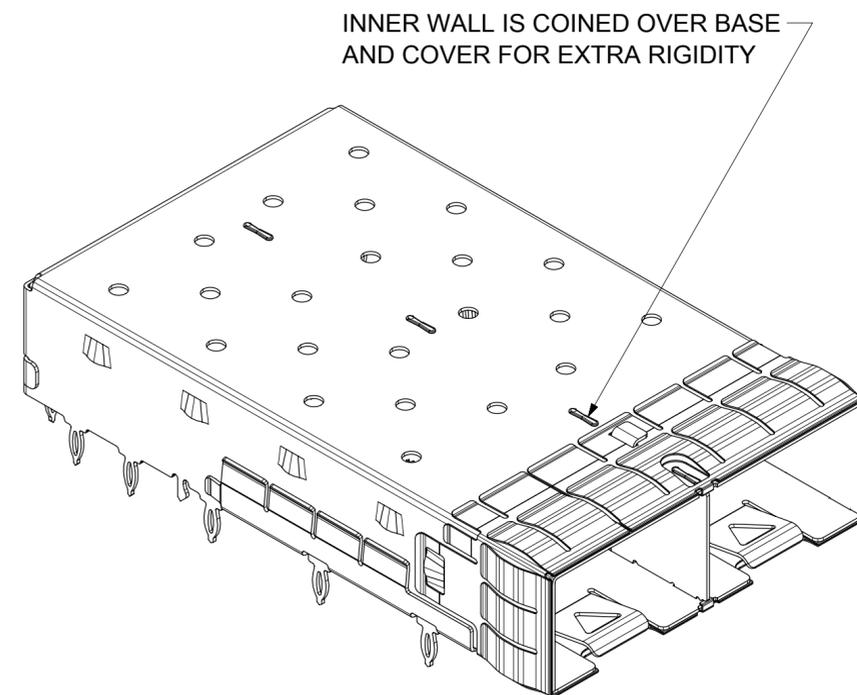
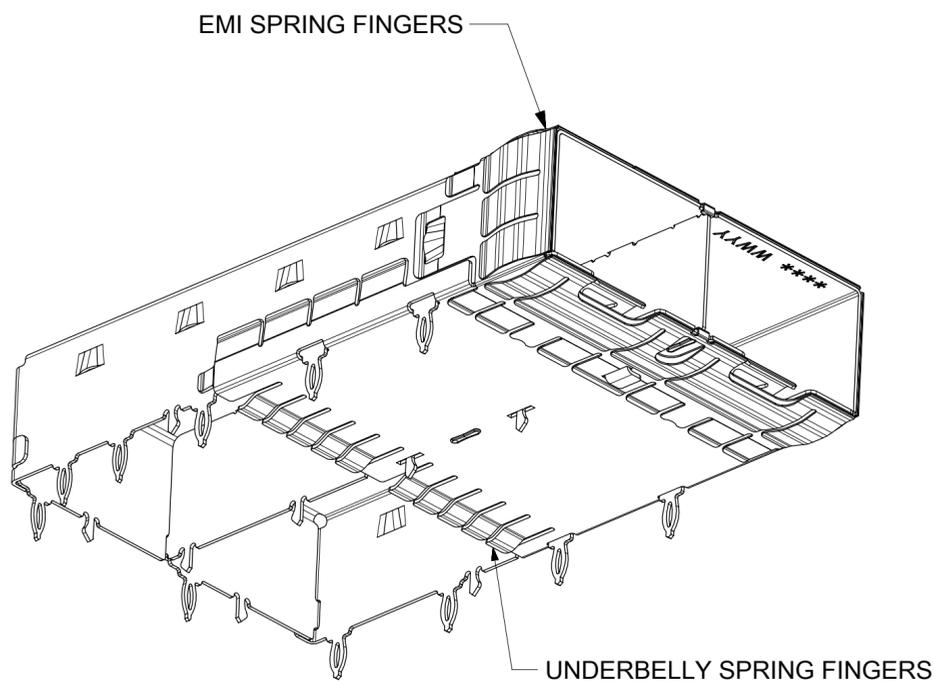
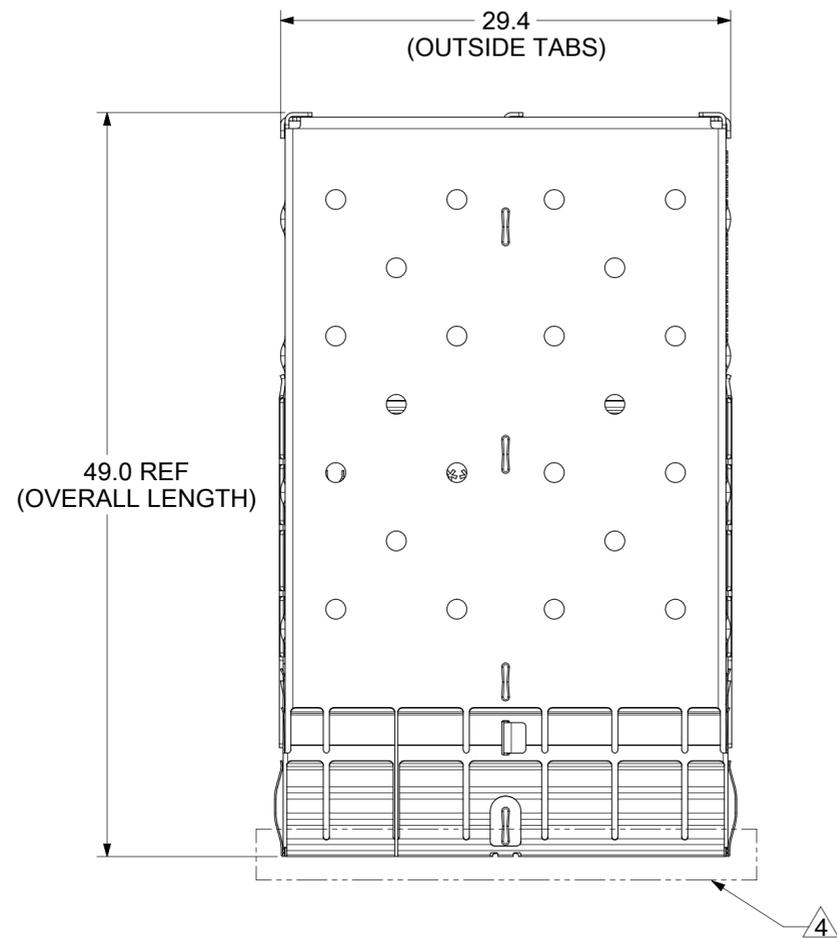


BASE CAGE DETAILS

747548220



PN/DATE CODE TO BE PRINTED ON THE BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. FOR 74754 SERIES CAGE (747540247 NO NEED PRINTED)

NOTES:

- MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
SPRING FINGERS: STAINLESS STEEL.
HEATSINK: ALUMINUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
- PRESS FIT LEGS 3.05mm LONG
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS. THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
- WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
- NO RoHS EXEMPTIONS.
- CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

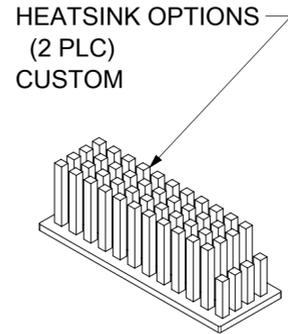
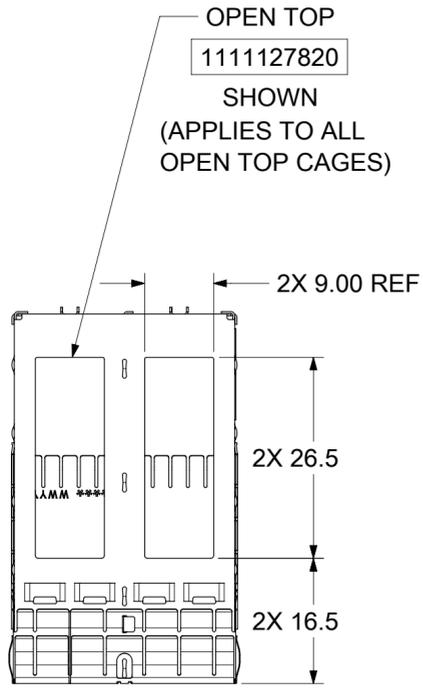
WEEK/YEAR DATE CODE TABLE

WW	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE:01= FIRST WEEK OF YEAR 52=LAST WEEK OF YEAR)
YY	23, 24, 25 ETC. EXAMPLE: YEAR 2023 = 23

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	FA = 0	mm 3:1			
E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 741451		SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS
	ANGULAR TOL ± 1.0°		DRWN: DKUMARG 2023/03/08		
P = 0	4 PLACES ±		CHK'D: SMALLESHAPPA 2023/03/08		PRODUCT CUSTOMER DRAWING
	3 PLACES ±		APPR: TKUMARKC 2023/03/08		
DIVISIONAL SYMBOLS	2 PLACES ± 0.13		INITIAL REVISION:		DOCUMENT NUMBER
	1 PLACE ± 0.25		DRWN: ABHILT2 2022/04/11		
0 PLACES ±		APPR: SCHIEN 2022/05/26		111128820	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			C-SIZE	111112	SEE SHEET 3
					CUSTOMER
					PSD ASY A1
					SHEET NUMBER
					1 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/08	11:03:09
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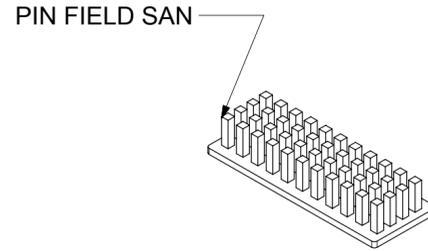
CAGE ASSEMBLY OPTIONS



OVERALL HEATSINK HEIGHT

STYLE	DIM 'A'	DIM 'B'
CUSTOM	20.4	16.7

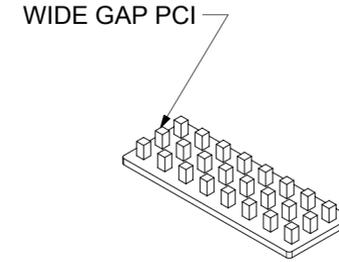
HEATSINK OPTIONS (2 PLC)



OVERALL HEATSINK HEIGHT

APPLICATION	STYLE	DIM 'A'
SAN	PIN FIELD	16.6

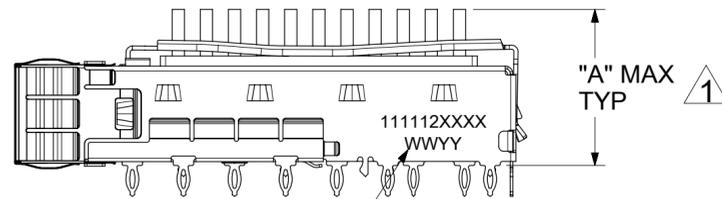
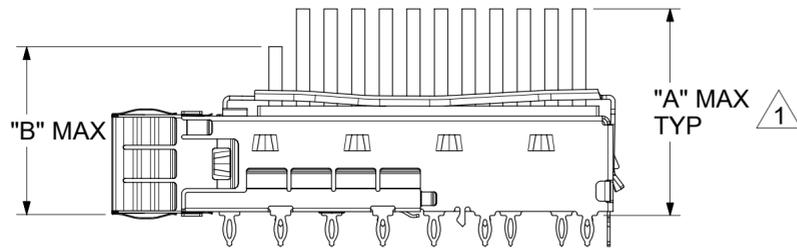
HEATSINK OPTIONS (2 PLC)



OVERALL HEATSINK HEIGHT

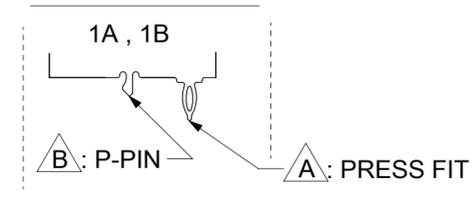
APPLICATION	STYLE	DIM 'A'
PCI	WIDE GAP PIN	14.3

NOTE: PCI - 13 ROWS
SAN - 11 ROWS



PN/DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. FOR 11112 SERIES CAGES

REAR LEG OPTIONS (PER PORT)



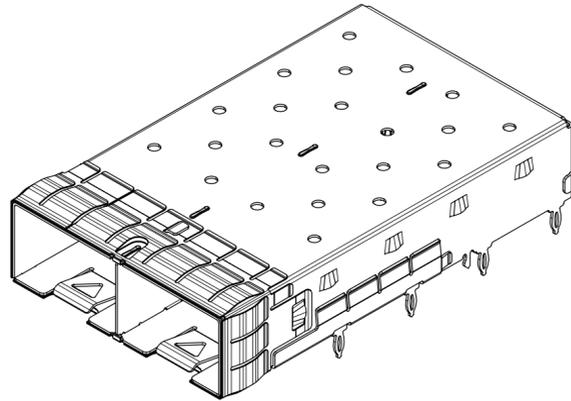
WEEK/YEAR DATE CODE TABLE

WW	01 THRU 52 OR 53	EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	23, 24, 25 ETC.	EXAMPLE: YEAR 2023 = 23

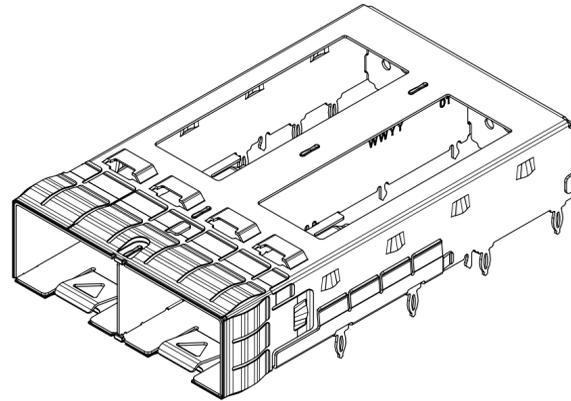
WITH MODULE INSERTED, DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
$\frac{E}{A} = 0$	DIMENSION UNITS	SCALE			SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS	
$\frac{E}{E} = 0$	mm	1.5:1			PRODUCT CUSTOMER DRAWING	
$\frac{E}{P} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				DOCUMENT NUMBER	
	ANGULAR TOL $\pm 1.0^\circ$				111128820	
	4 PLACES \pm		EC NO: 741451		DOC TYPE	
	3 PLACES \pm		DRWN: DKUMARG 2023/03/08		PSD	
	2 PLACES ± 0.13		CHK'D: SMALLESHAPPA 2023/03/08		DOC PART	
	1 PLACE ± 0.25		APPR: TKUMARKC 2023/03/08		ASY	
	0 PLACES \pm		INITIAL REVISION:		REVISION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: ABHILT2 2022/04/11		A1	
	THIRD ANGLE PROJECTION		APPR: SCHIEN 2022/05/26		SHEET NUMBER	
	DRAWING		SERIES		2 OF 7	
	C-SIZE		111112		MATERIAL NUMBER	
					CUSTOMER	
					SEE SHEET 3	

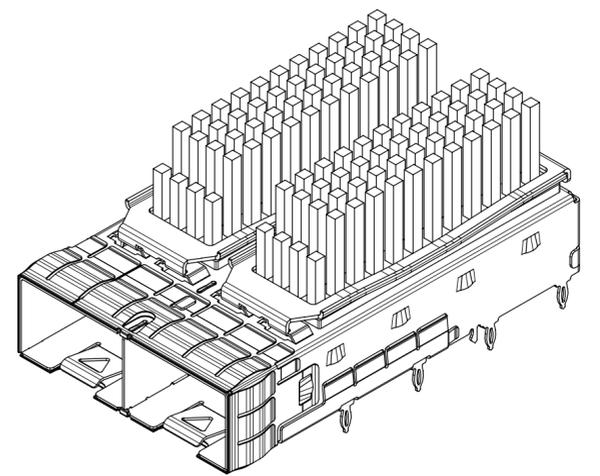
PART NUMBER SELECTION



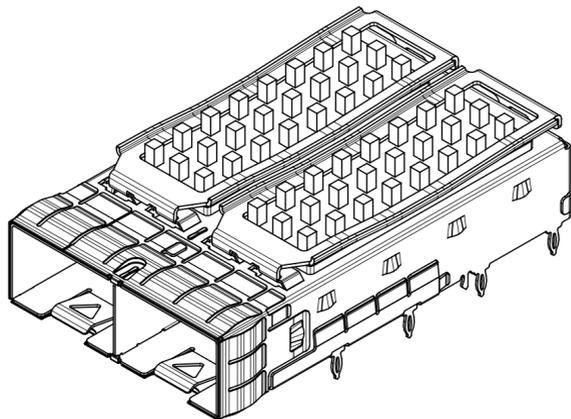
SFP+ CLOSED TOP BASE CAGE	
PART NO.	DESCRIPTION
747548220	SFP FOOTPRINT (STD B TO B), 5 WELD POINTS
747548247	SAME AS ABOVE BUT NO PN/DATE CODE PRINTED



SFP+ OPEN TOP BASE CAGE FOR HEATSINK	
PART NO.	
	1111127820



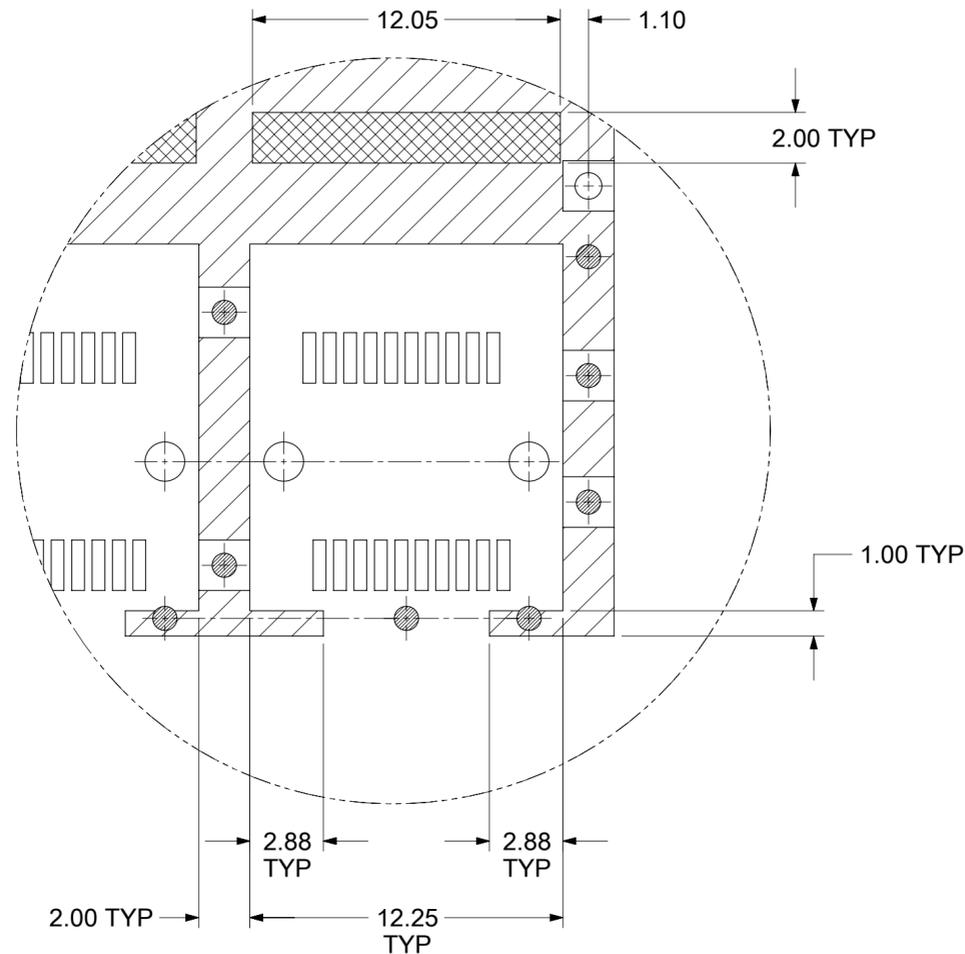
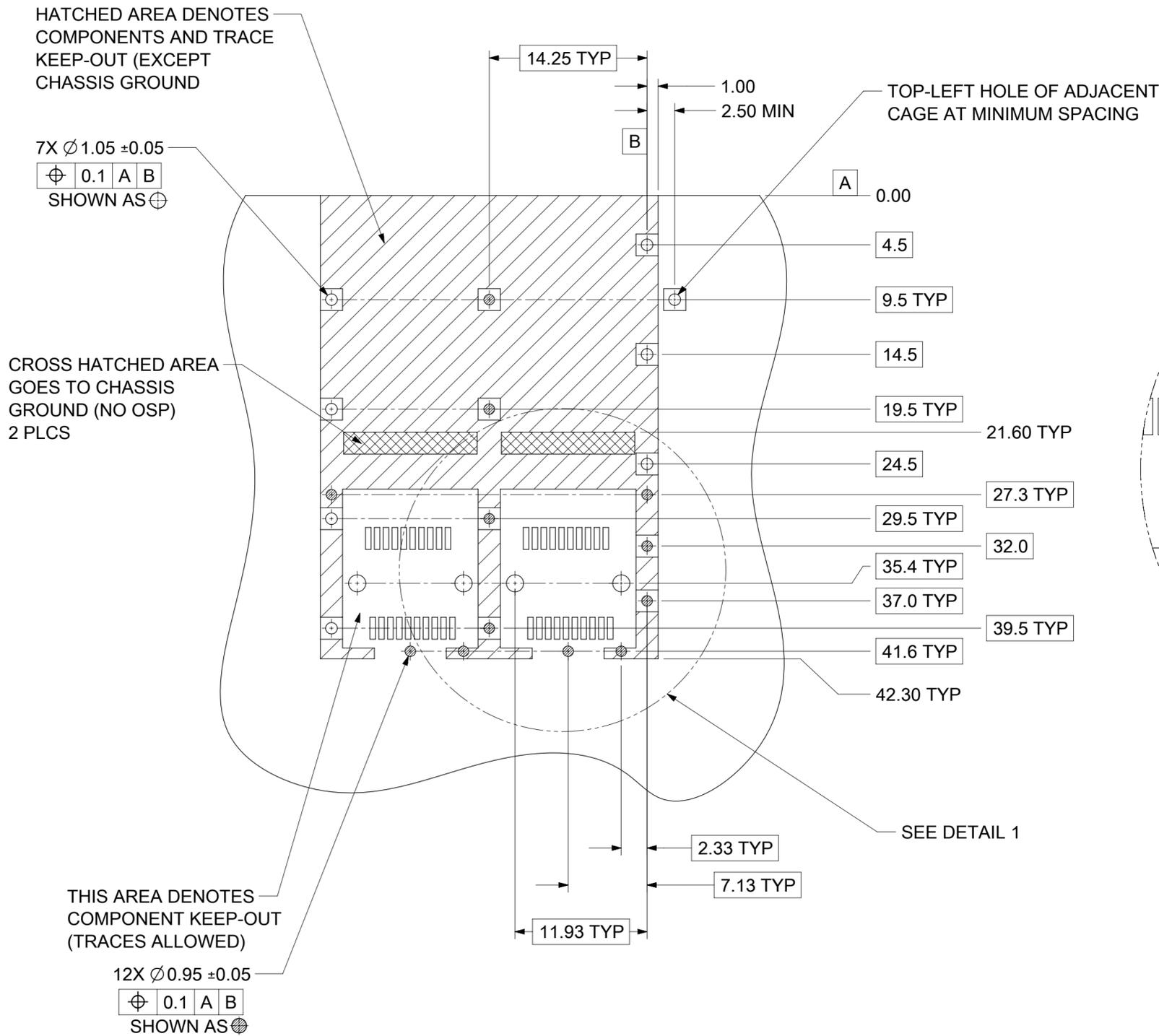
SFP+ CUSTOM HEATSINK OPTION	
PART NO.	
	1111128226



SFP+ LATERAL FIN HEATSINK OPTION	
PART NO.	APPLICATION
1111128820	PCI

FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 1.25:1	CURRENT REV DESC: EC NO: 741451 DRWN: DKUMARG CHK'D: SMALLESHAPPA APPR: TKUMARKC					
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$	4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES \pm	INITIAL REVISION: DRWN: ABHILT2 APPR: SCHIEN				2023/03/08 2023/03/08 2023/03/08	PRODUCT CUSTOMER DRAWING
	DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: C-SIZE SERIES: 111112	DOCUMENT NUMBER: 1111128820	DOC TYPE: PSD DOC PART: ASY REVISION: A1	MATERIAL NUMBER: SEE SHEET 3 CUSTOMER:	SHEET NUMBER: 3 OF 7
	DOCUMENT STATUS: P1	RELEASE DATE: 2023/03/08 11:03:09						

PCB LAYOUT - SINGLE SIDE ONLY

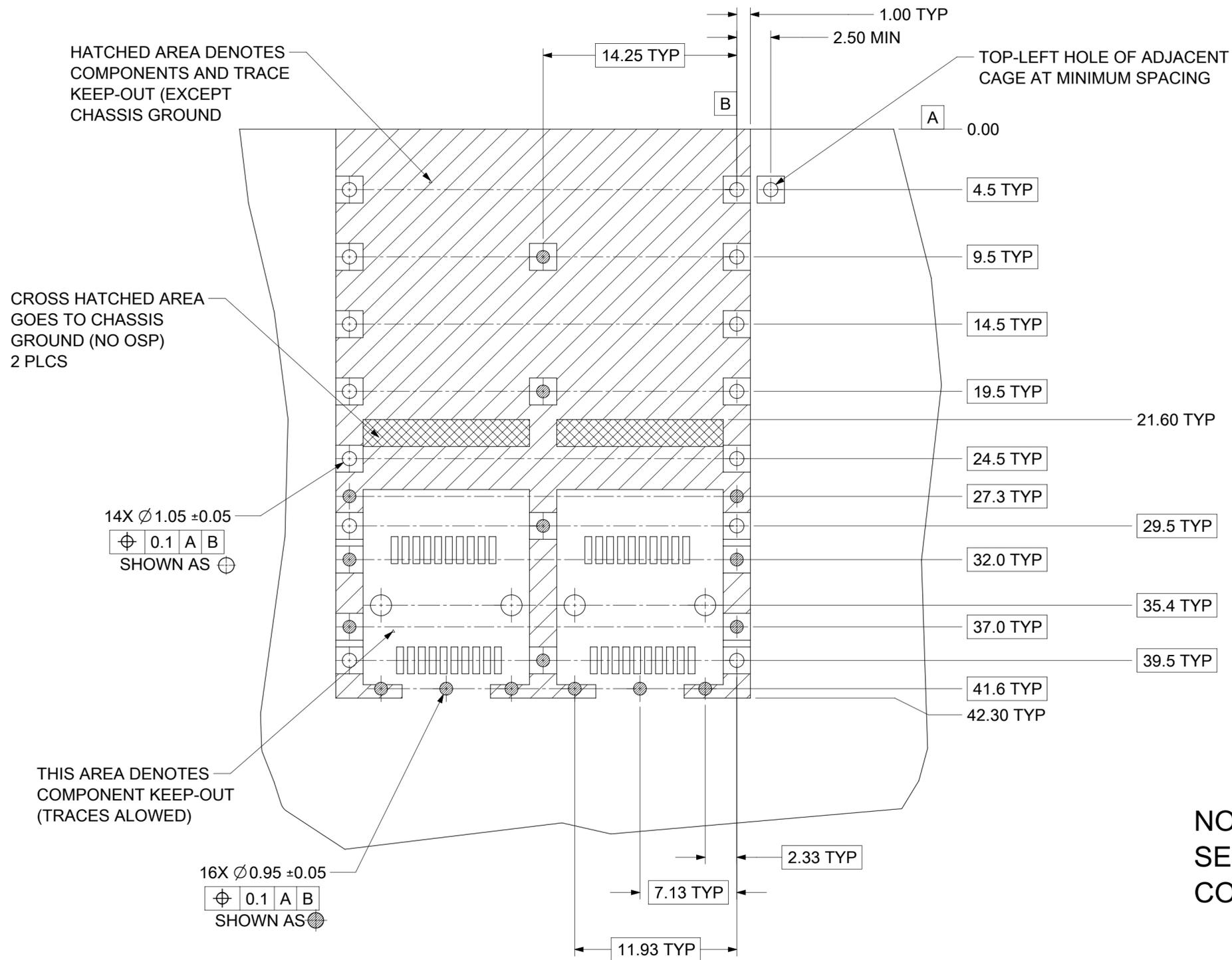


DETAIL 1
SCALE 5:1

- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 4. SPACING BETWEEN PORTS IS 14.25mm
 5. 1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:						
	DIMENSION UNITS	SCALE							
$\frac{F}{A} = 0$	mm	1:1	EC NO: 741451 DRWN: DKUMARG 2023/03/08 CHK'D: SMALLESHAPPA 2023/03/08 APPR: TKUMARKC 2023/03/08		SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS				
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)								
$\frac{F}{P} = 0$	ANGULAR TOL ± 1.0°								
DIVISIONAL SYMBOLS	4 PLACES	±	INITIAL REVISION: DRWN: ABHILT2 2022/04/11 APPR: SCHIEN 2022/05/26		PRODUCT CUSTOMER DRAWING				
	3 PLACES	±			DOCUMENT NUMBER				
	2 PLACES	± 0.13			111128820				
	1 PLACE	± 0.25			PSD ASY A1				
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
					C-SIZE	111112	SEE SHEET 3		4 OF 7

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



HATCHED AREA DENOTES COMPONENTS AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 2 PLCS

14X Ø1.05 ±0.05

⊕	0.1	A	B
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 SHOWN AS ⊕

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

16X Ø0.95 ±0.05

⊕	0.1	A	B
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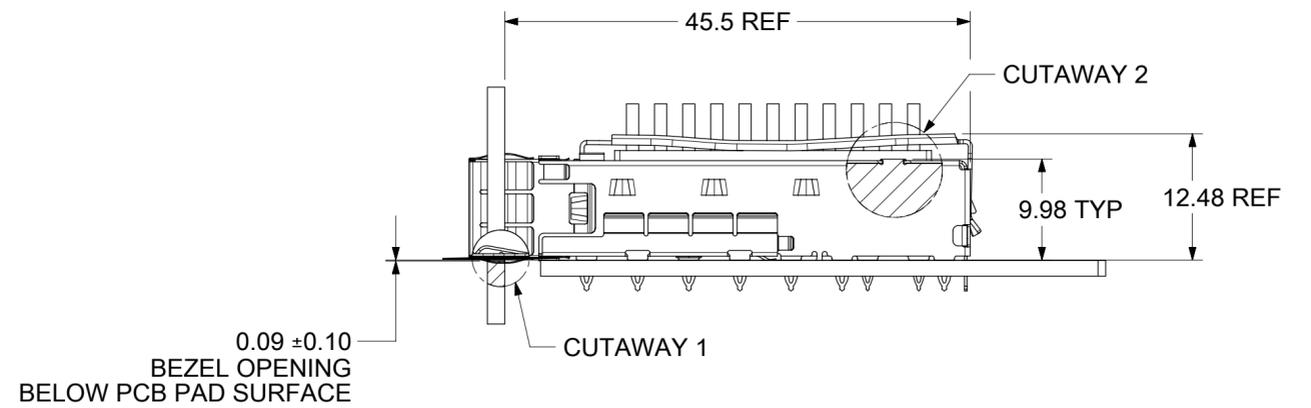
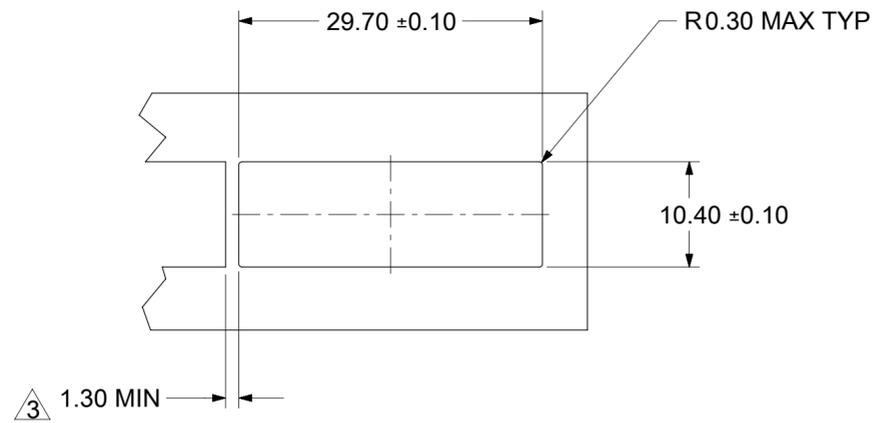
 SHOWN AS ⊕

NOTE:
SEE SHEET 4 FOR HOST CONNECTOR DETAIL

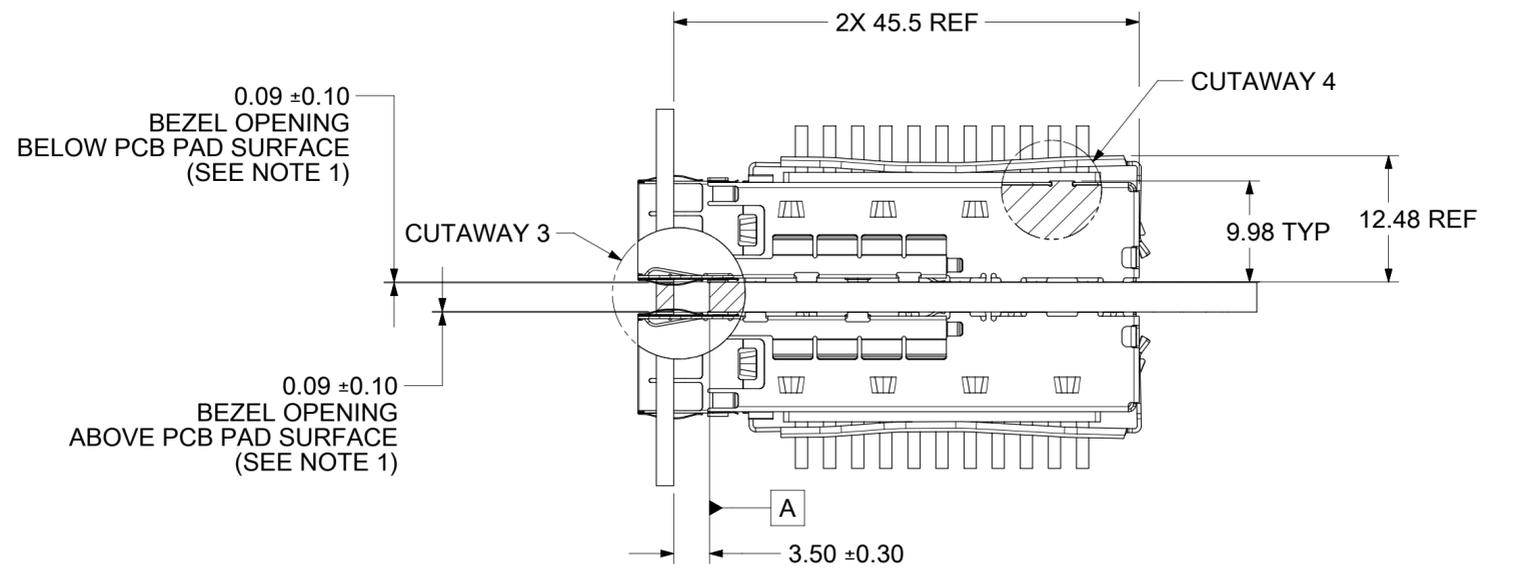
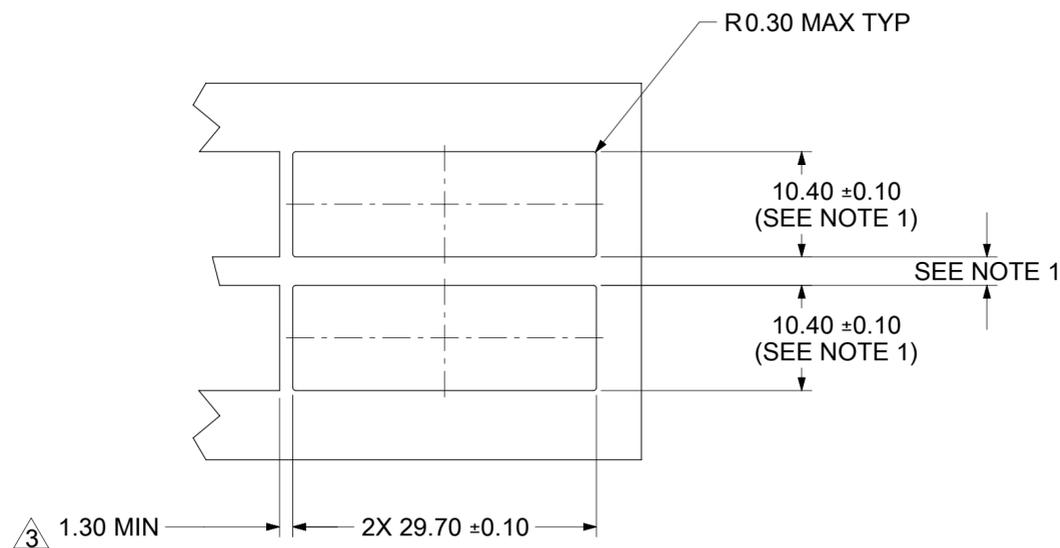
- NOTES:**
1. PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 4. SPACING BETWEEN PORTS IS 14.25mm
 5. 3.00mm [.118 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
FA = 0	mm	SCALE	4:1	EC NO: 741451			
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: DKUMARG		2023/03/08	SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS	
FD = 0	ANGULAR TOL ± 1.0°		CHK'D: SMALLESHAPPA		2023/03/08	PRODUCT CUSTOMER DRAWING	
DIVISIONAL SYMBOLS		4 PLACES ±	APPR: TKUMARKC		2023/03/08	DOCUMENT NUMBER	
		3 PLACES ±	INITIAL REVISION:		1111128820		DOC TYPE
		2 PLACES ± 0.13	DRWN: ABHILT2		2022/04/11	PSD	DOC PART
		1 PLACE ± 0.25	APPR: SCHIEN		2022/05/26	ASY	REVISION
		0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES		A1
		THIRD ANGLE PROJECTION		DRAWING	C-SIZE	MATERIAL NUMBER	CUSTOMER
		SEE SHEET 3		111112		SHEET NUMBER	
		5 OF 7					

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (SPRING FINGER)



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (SPRING FINGER)



- NOTE:**
- PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING SIZE AND LOCATION.
 - CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.
 - THIS DIMENSION IS FOR REF ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. HOLE OF ADJACENT CAGE ON PCB LAYOUT VARIES ON MODIFICATION.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex					
	DIMENSION UNITS	SCALE								
$\frac{E}{A} = 0$	mm	2:1	EC NO: 741451 DRWN: DKUMARG 2023/03/08 CHK'D: SMALLESHAPPA 2023/03/08 APPR: TKUMARKC 2023/03/08		SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS					
$\frac{E}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)									
$\frac{E}{P} = 0$	ANGULAR TOL ± 1.0°									
DIVISIONAL SYMBOLS	4 PLACES	±	INITIAL REVISION: DRWN: ABHILT2 2022/04/11 APPR: SCHIEN 2022/05/26		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	3 PLACES	±			111128820		PSD	ASY	A1	
	2 PLACES	± 0.13								
	1 PLACE	± 0.25								
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
					C-SIZE	111112	SEE SHEET 3			6 OF 7

