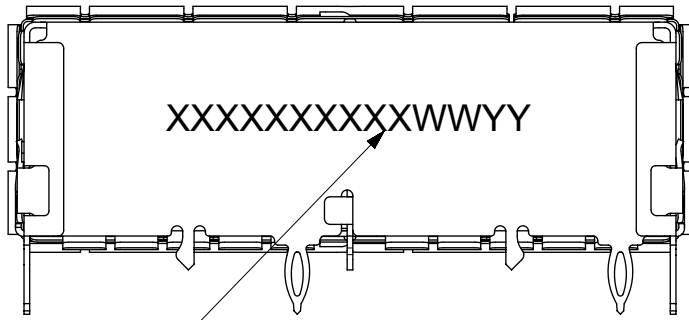
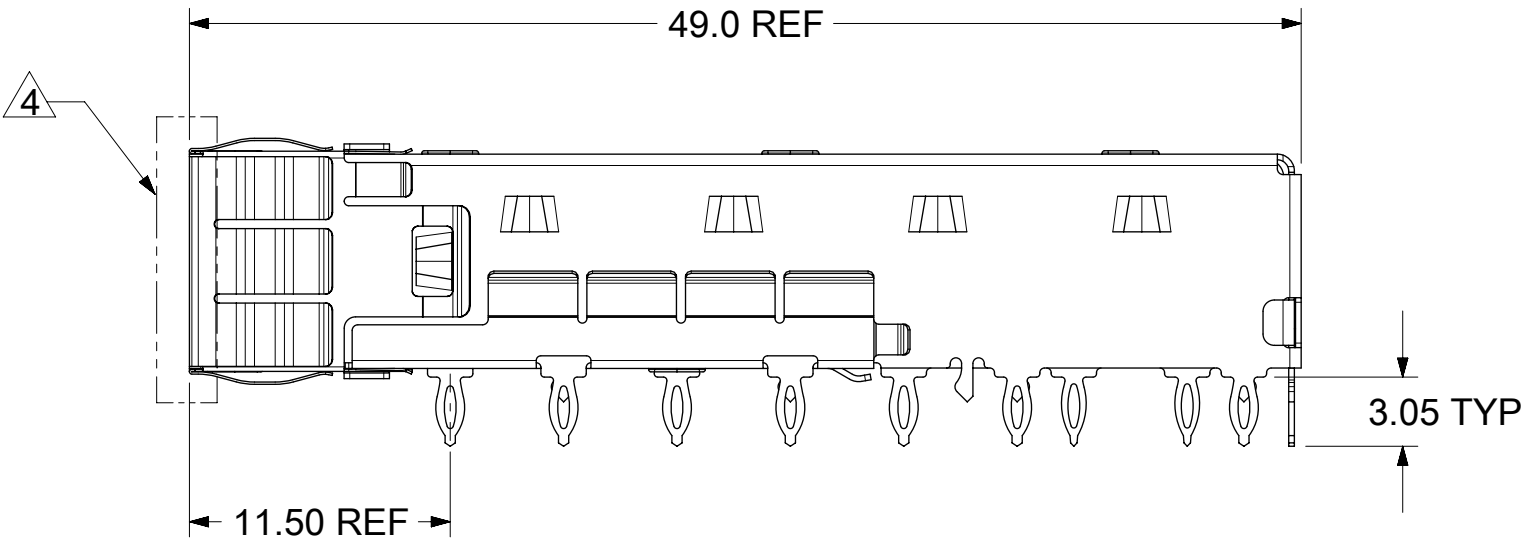
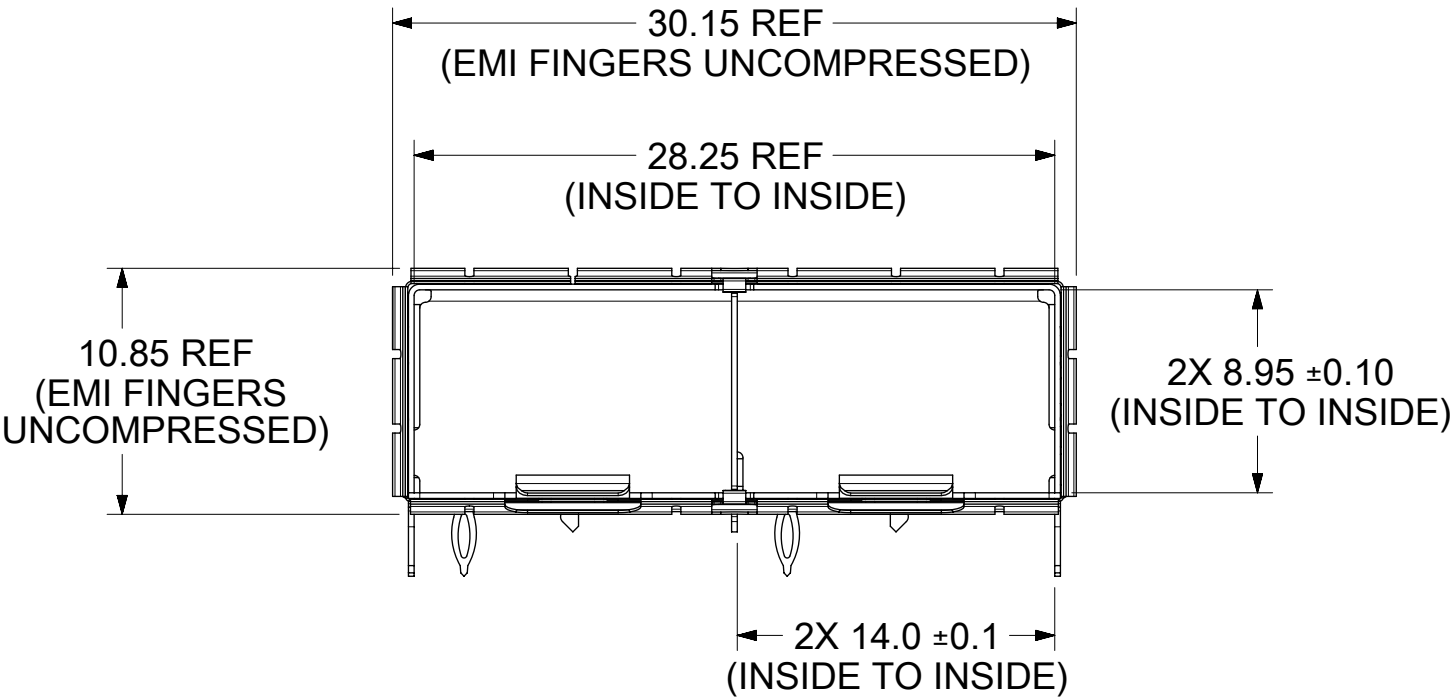
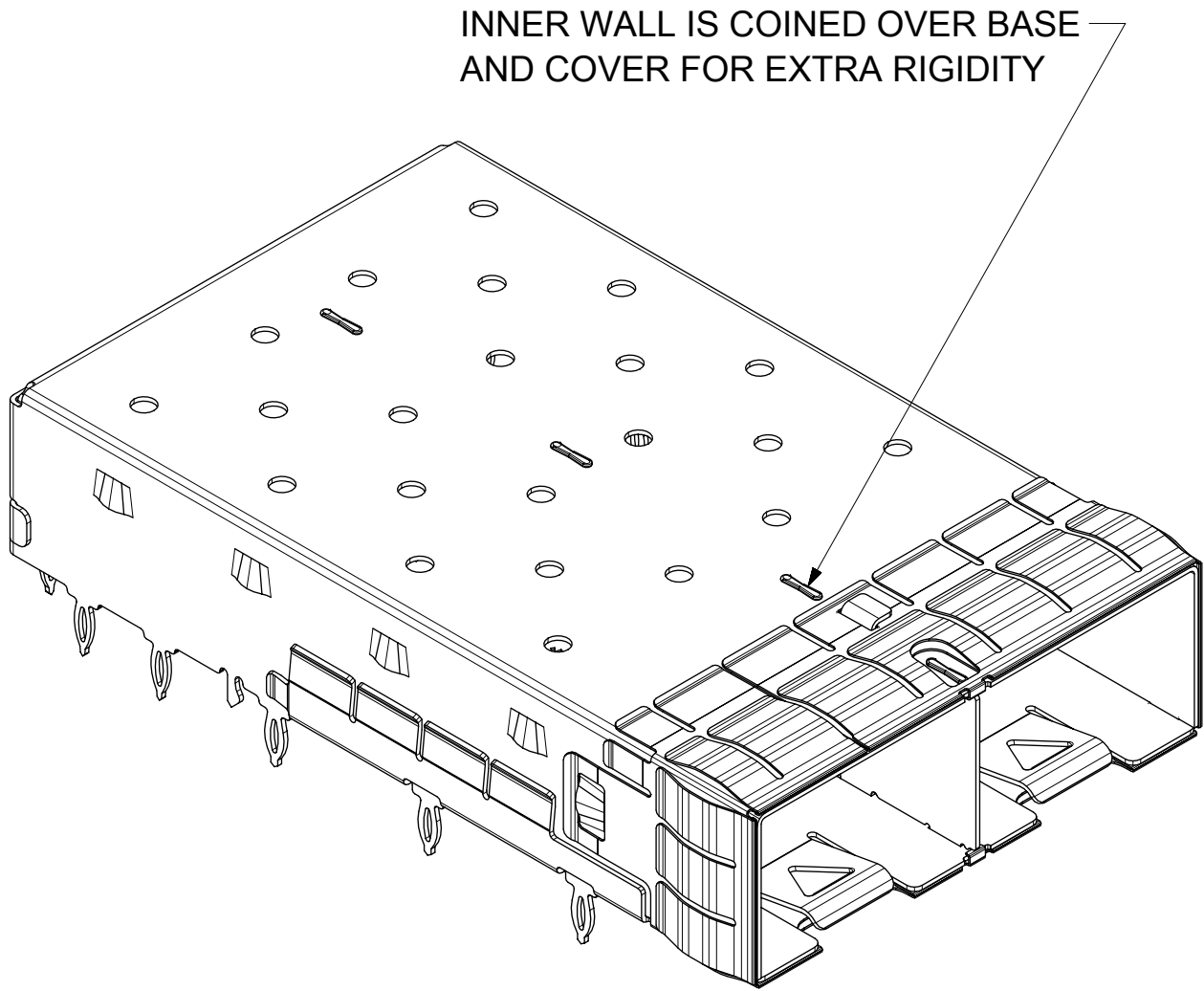
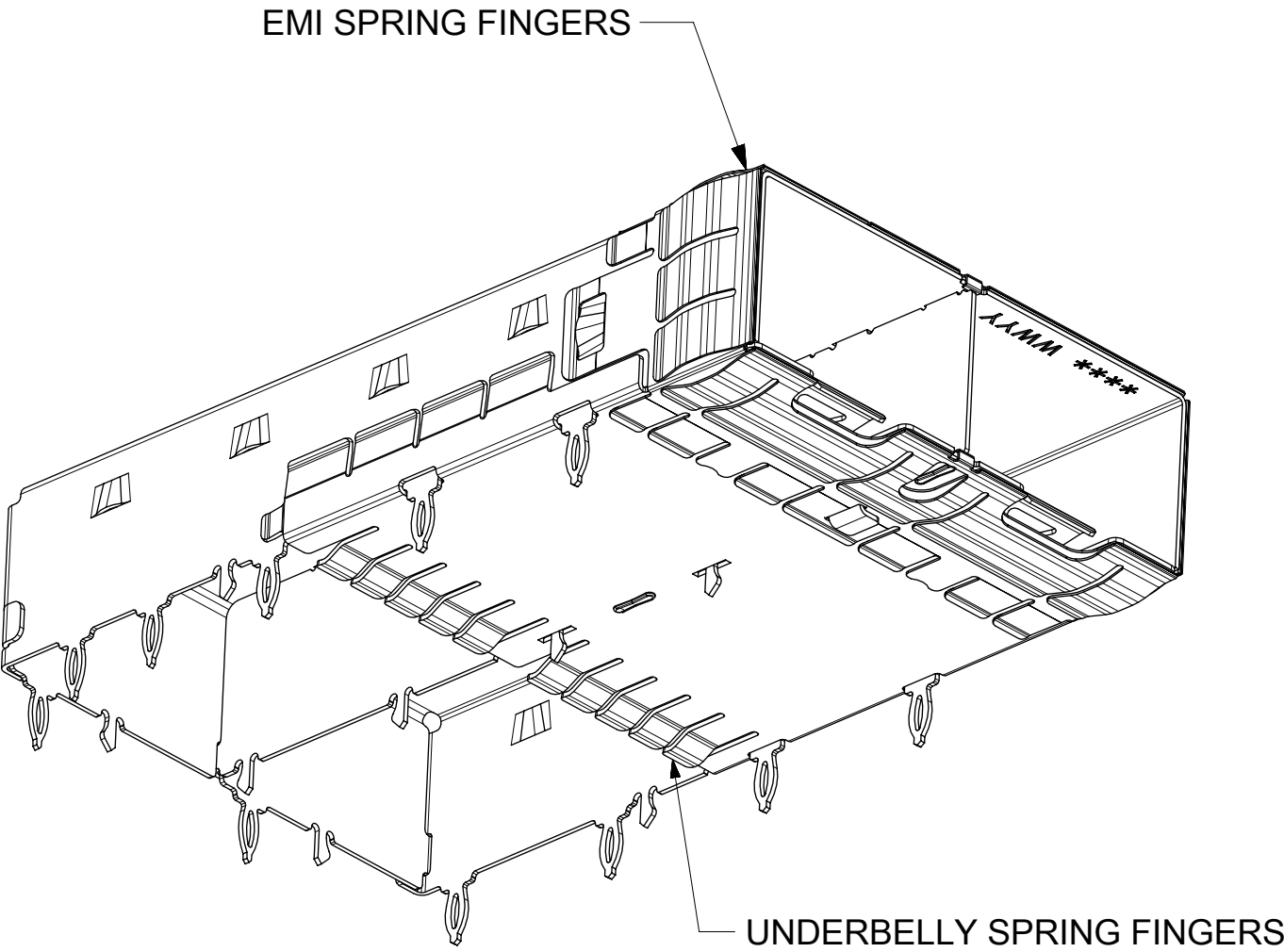
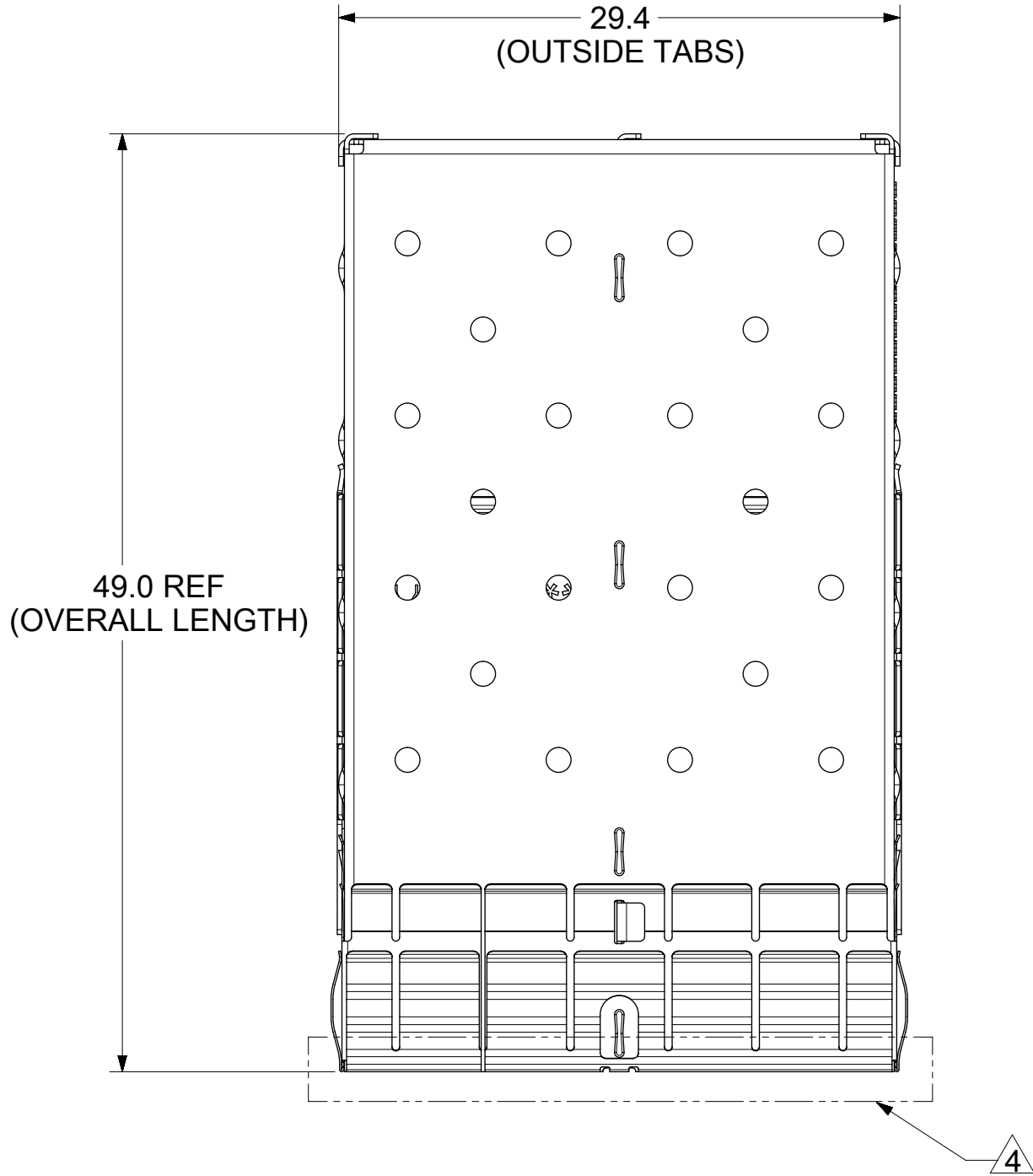


BASE CAGE DETAILS

747548220



- NOTES:
1. MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
SPRING FINGERS: STAINLESS STEEL.
HEATSINK: ALUMINUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
 2. PRESS FIT LEGS 3.05mm LONG
 3. 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.
 4. WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
 5. NO RoHS EXEMPTIONS.
 6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

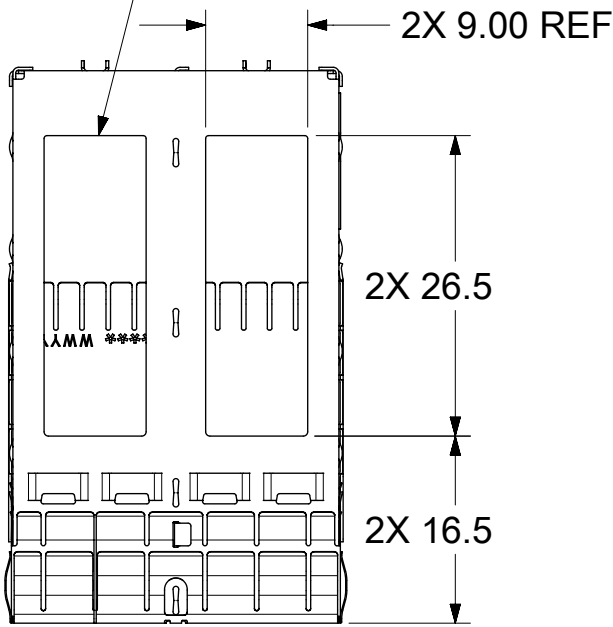
WEEK/YEAR DATE CODE TABLE	
WW	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE:01= FIRST WEEK OF YEAR 52=LAST WEEK OF YEAR)
YY	23, 24, 25 ETC. EXAMPLE: YEAR 2023 = 23

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			
	DIMENSION UNITS	SCALE						
$\frac{F}{A} = 0$	mm	3:1	GENERAL TOLERANCES (UNLESS SPECIFIED)		SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS			
$\frac{E}{C} = 0$								
$\frac{P}{D} = 0$	ANGULAR TOL	± 1.0 °	4 PLACES ±		PRODUCT CUSTOMER DRAWING			
DIVISIONAL SYMBOLS	3 PLACES ±		EC NO: 741451		DOCUMENT NUMBER			
	2 PLACES ± 0.13		DRWN: DKUMARG	2023/03/08	111128820			
	1 PLACE ± 0.25		CHK'D: SMALLESHAPPA	2023/03/08	PSD ASY A1			
	0 PLACES ±		APPR: TKUMARKC	2023/03/08	SEE SHEET 3			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			C-SIZE	111112	SEE SHEET 3		1 OF 7	

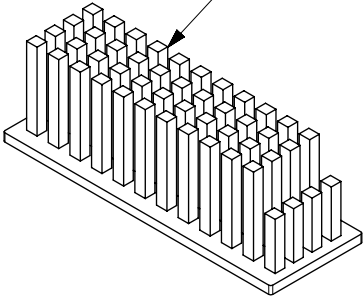
DOCUMENT STATUS	P1	RELEASE DATE	2023/03/08	11:03:09
-----------------	----	--------------	------------	----------

CAGE ASSEMBLY OPTIONS

OPEN TOP
1111127820
SHOWN
(APPLIES TO ALL
OPEN TOP CAGES)



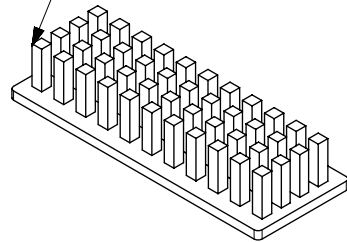
HEATSINK OPTIONS
(2 PLC)
CUSTOM



OVERALL HEATSINK HEIGHT

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

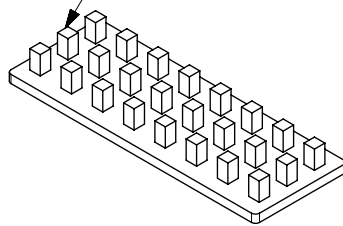
HEATSINK OPTIONS
(2 PLC)
PIN FIELD SAN



OVERALL HEATSINK HEIGHT

APPLICATION	STYLE	DIM 'A'
SAN	PIN FIELD	16.6

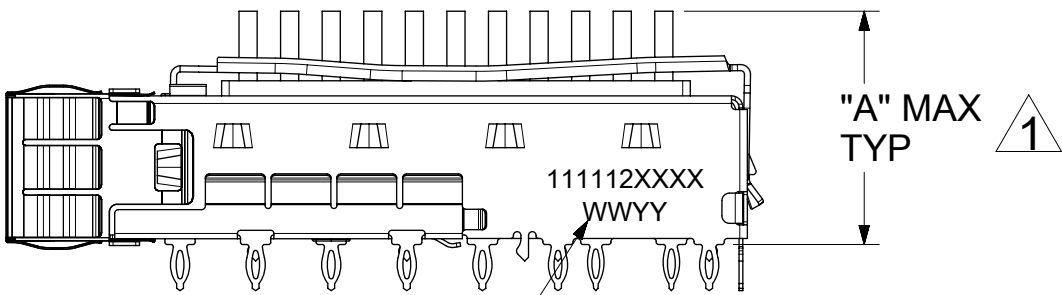
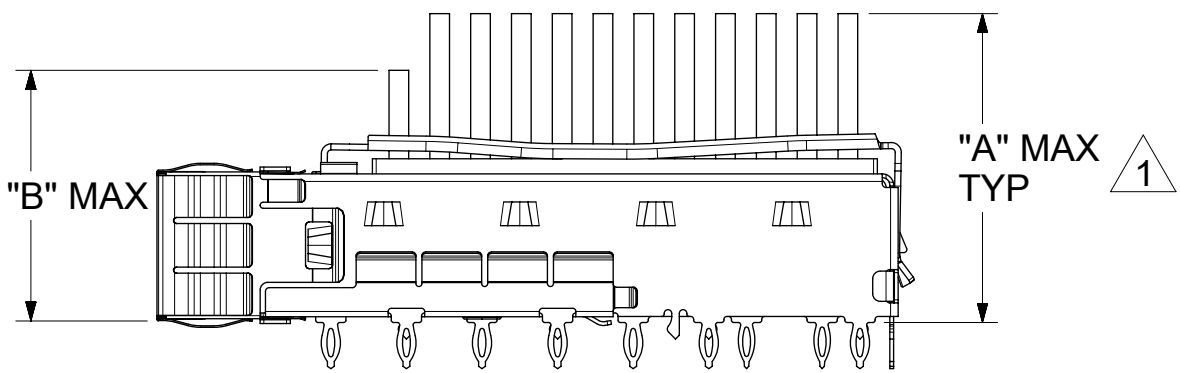
HEATSINK OPTIONS
(2 PLC)
WIDE GAP PCI



OVERALL HEATSINK HEIGHT

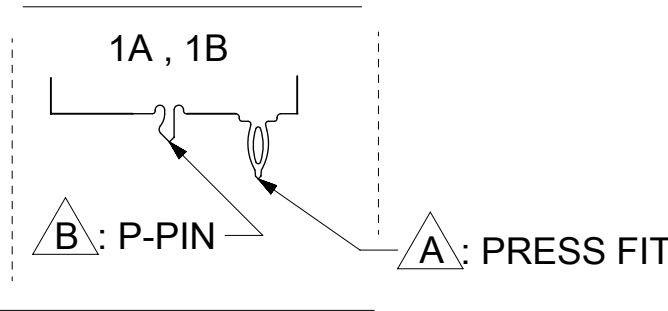
APPLICATION	STYLE	DIM 'A'
PCI	WIDE GAP PIN	14.3

NOTE: PCI - 13 ROWS
SAN - 11 ROWS



PN/DATE CODE TO BE PRINTED ON THE SIDE OF
COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
FOR 111112 SERIES CAGES

REAR LEG OPTIONS
(PER PORT)



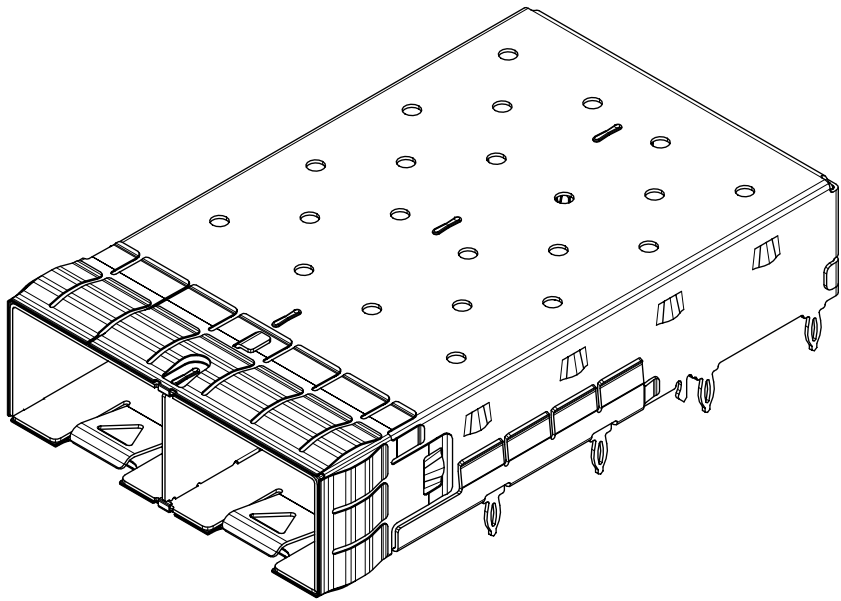
WEEK/YEAR DATE CODE TABLE

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

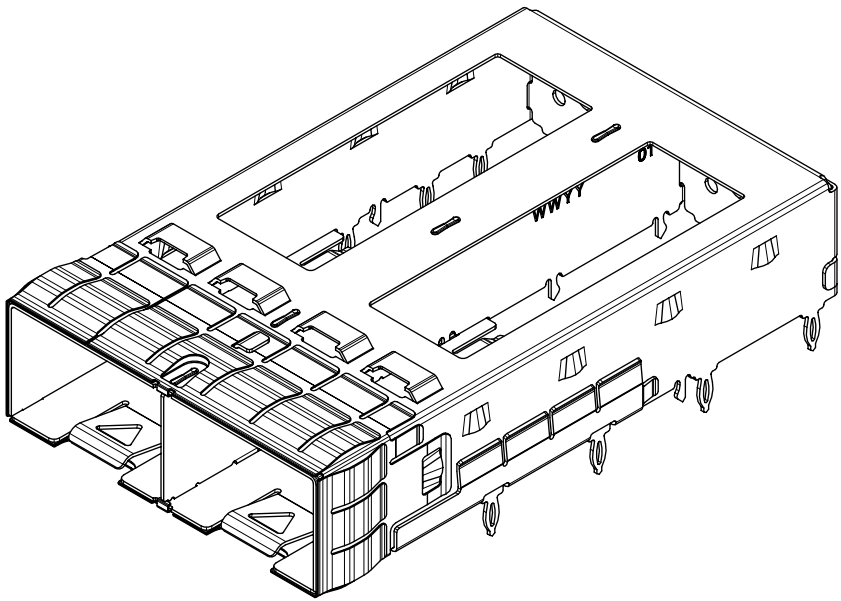
1 WITH MODULE INSERTED, DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex						
	mm		1.5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 1.0 °														
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 741451				SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS						
	3 PLACES		±		DRWN: DKUMARG 2023/03/08										
	2 PLACES		± 0.13		2023/03/08										
	1 PLACE		± 0.25		CHK'D: SMALLESHAPPA 2023/03/08										
	0 PLACES		±		APPR: TKUMARKC 2023/03/08										
	0 PLACES		±		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING						
0 PLACES		±		DRWN: ABHILT2 2022/04/11				DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION		
0 PLACES		±		APPR: SCHIEN 2022/05/26				1111128820		PSD		ASY	A1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		111112		SEE SHEET 3				2 OF 7	

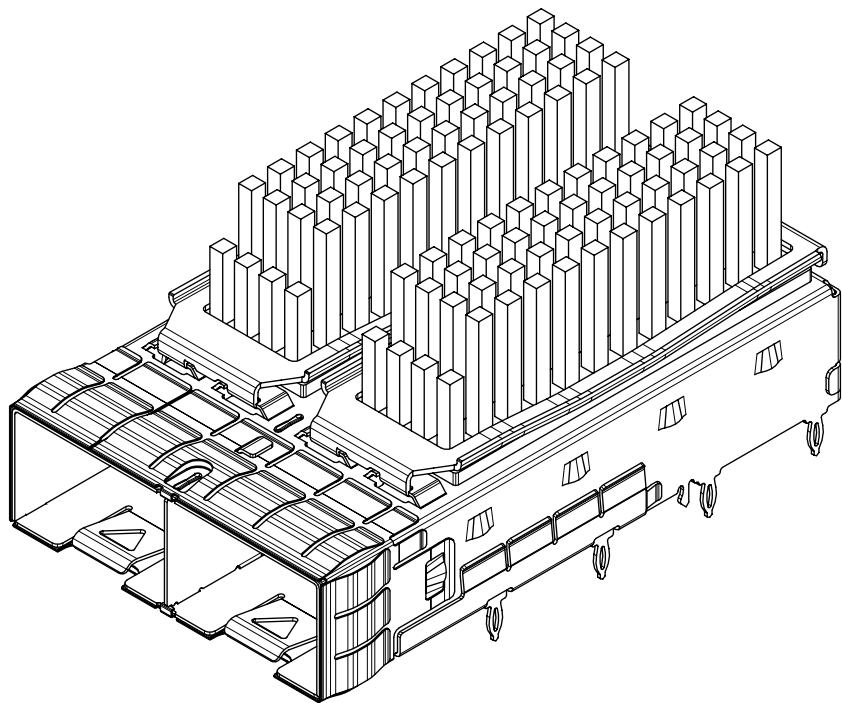
PART NUMBER SELECTION



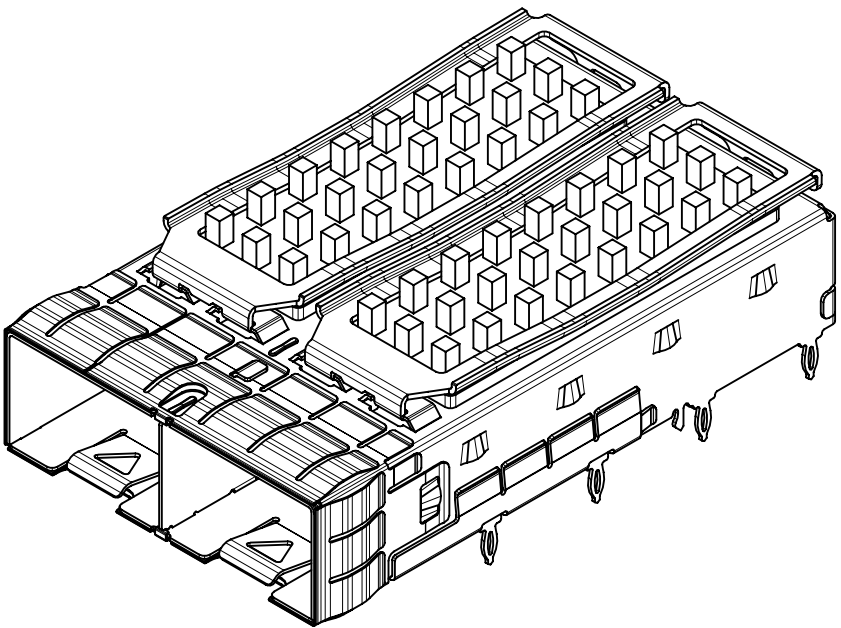
SFP+ CLOSED TOP BASE CAGE	
PART NO.	DESCRIPTION
747548220	SFP FOOTPRINT (STD B TO B), 5 WELD POINTS
747548247	SAME AS ABOVE BUT NO PN/DATE CODE PRINTED



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



SFP+ CUSTOM HEATSINK OPTION	
PART NO.	1111128226

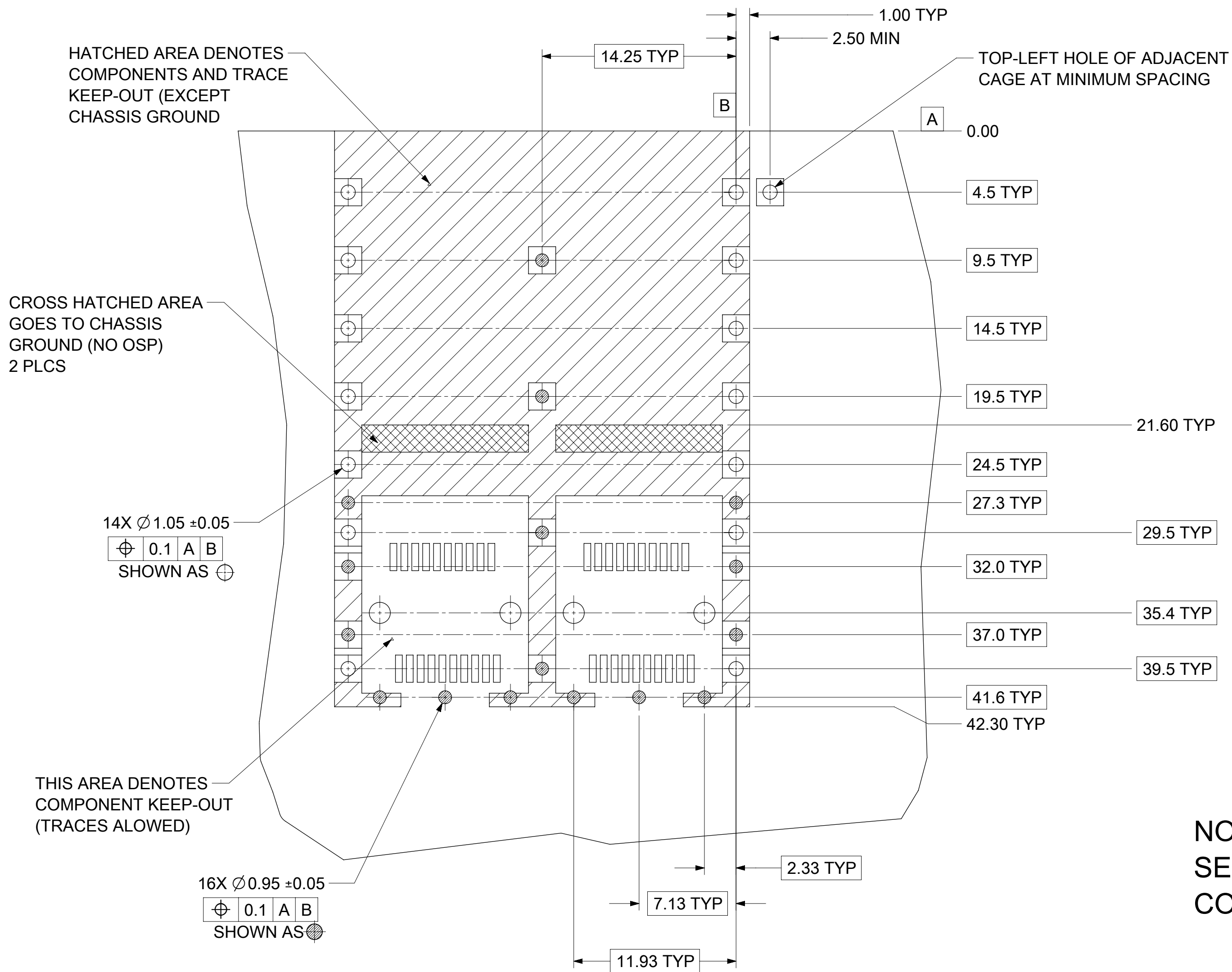


SFP+ LATERAL FIN HEATSINK OPTION	
PART NO.	APPLICATION
1111128820	PCI

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex							
	mm		1.25:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)									SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS							
ANGULAR TOL ± 1.0 °																	
= 0	4 PLACES		±		EC NO: 741451					PRODUCT CUSTOMER DRAWING							
	3 PLACES		±		DRWN: DKUMARG 2023/03/08												
	2 PLACES		± 0.13		CHK'D: SMALLESHAPPA 2023/03/08												
	1 PLACE		± 0.25		APPR: TKUMARKC 2023/03/08												
	0 PLACES		±		INITIAL REVISION:					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
				C-SIZE		111112		SEE SHEET 3				3 OF 7					

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/08	11:03:09
-----------------	----	--------------	------------	----------

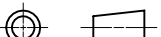
PCB LAYOUT FOR BELLY TO BELLY MOUNTING



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													
F_A = 0		DIMENSION UNITS mm		SCALE 4:1		CURRENT REV DESC: EC NO: 741451 DRWN: DKUMARG 2023/03/08 CHK'D: SMALLESHAPPA 2023/03/08 APPR: TKUMARKC 2023/03/08 INITIAL REVISION: DRWN: ABHILT2 2022/04/11 APPR: SCHIEN 2022/05/26				molex					
F_C = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)								SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SUS SPRING FINGERS					
F_P = 0		ANGULAR TOL ± 1.0 °													
DIVISIONAL SYMBOLS		4 PLACES		±						PRODUCT CUSTOMER DRAWING					
		3 PLACES		±											
		2 PLACES		± 0.13											
		1 PLACE		± 0.25											
0 PLACES		±				DOCUMENT NUMBER 1111128820		DOC TYPE PSD	DOC PART ASY	REVISION A1					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 111112		MATERIAL NUMBER SEE SHEET 3		CUSTOMER		SHEET NUMBER 5 OF 7	

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

Top View Dimensions:

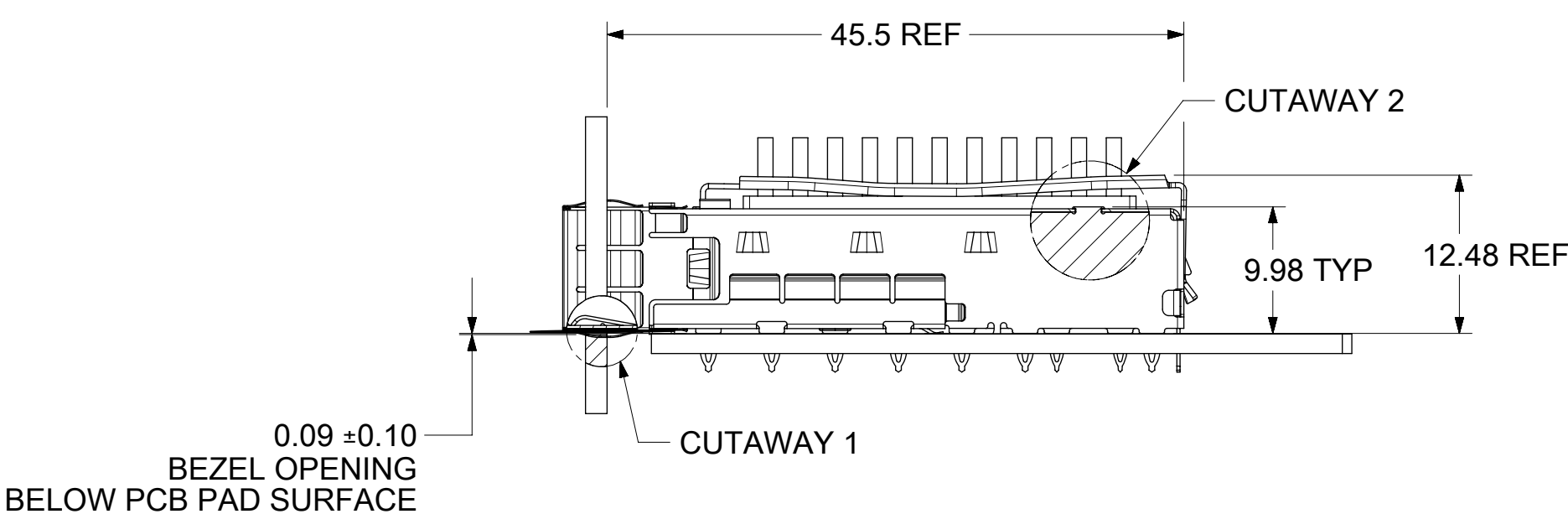
- Width: 29.70 ± 0.10
- Height: 10.40 ± 0.10
- Radius: $R0.30 \text{ MAX TYP}$
- Feature 3: 1.30 MIN

Side View Dimensions:

- Length: 45.5 REF
- Height: 9.98 TYP
- Height: 12.48 REF
- Gap: 0.09 ± 0.10

Notes:

- CUTAWAY 1
- CUTAWAY 2
- BEZEL OPENING BELOW PCB PAD SURFACE



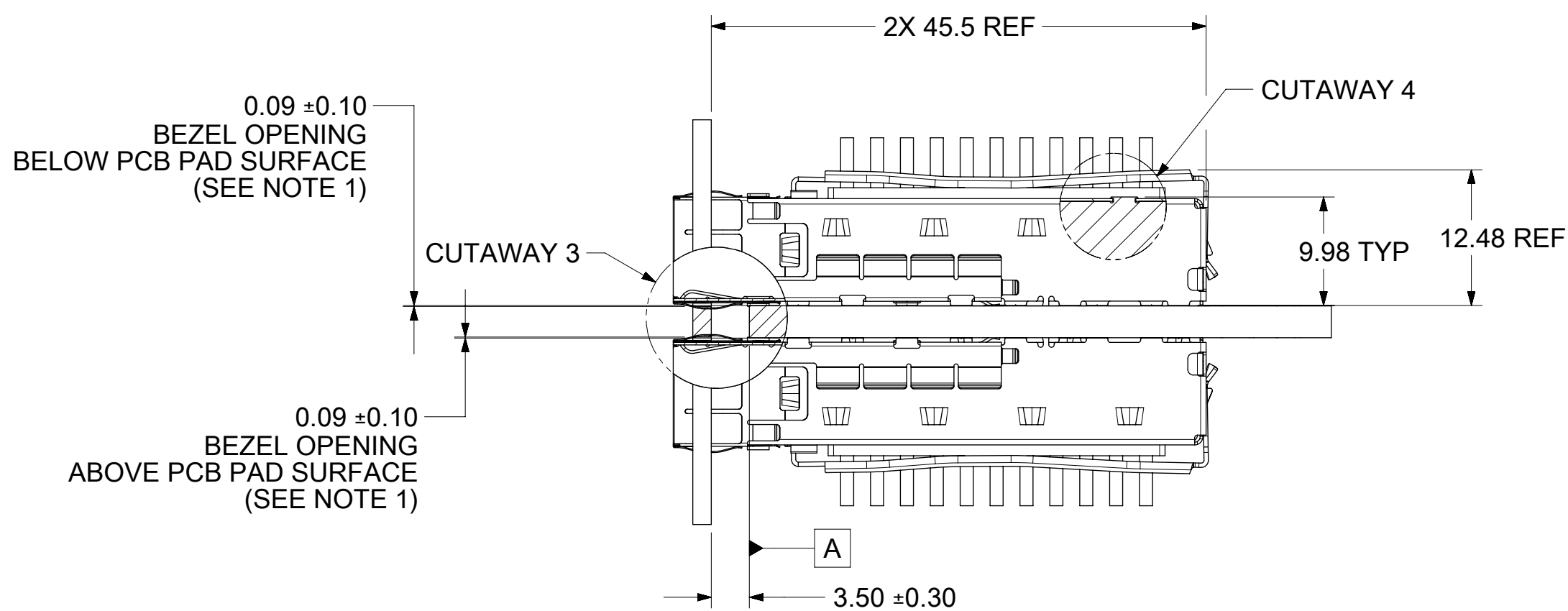
**BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(SPRING FINGER)**

Top View Dimensions:

- Overall width: $2 \times 29.70 \pm 0.10$
- Overall height: $2 \times 10.40 \pm 0.10$ (SEE NOTE 1)
- Corner radius: $R0.30$ MAX TYP
- Mounting hole diameter: 1.30 MIN

Side View Dimensions:

- Overall length: 2×45.5 REF
- Overall height: 12.48 REF
- Internal height: 9.98 TYP
- Mounting hole diameter: 3.50 ± 0.30
- Bezel opening dimensions: 0.09 ± 0.10 BELOW PCB PAD SURFACE (SEE NOTE 1) and 0.09 ± 0.10 ABOVE PCB PAD SURFACE (SEE NOTE 1)
- Cutaway 3 and Cutaway 4 are indicated.



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

FORMA: master-by-prod C	12			11			10				9				8			7				6				5				4				3				2				1
-------------------------	----	--	--	----	--	--	----	--	--	--	---	--	--	--	---	--	--	---	--	--	--	---	--	--	--	---	--	--	--	---	--	--	--	---	--	--	--	---	--	--	--	---

[illegible]