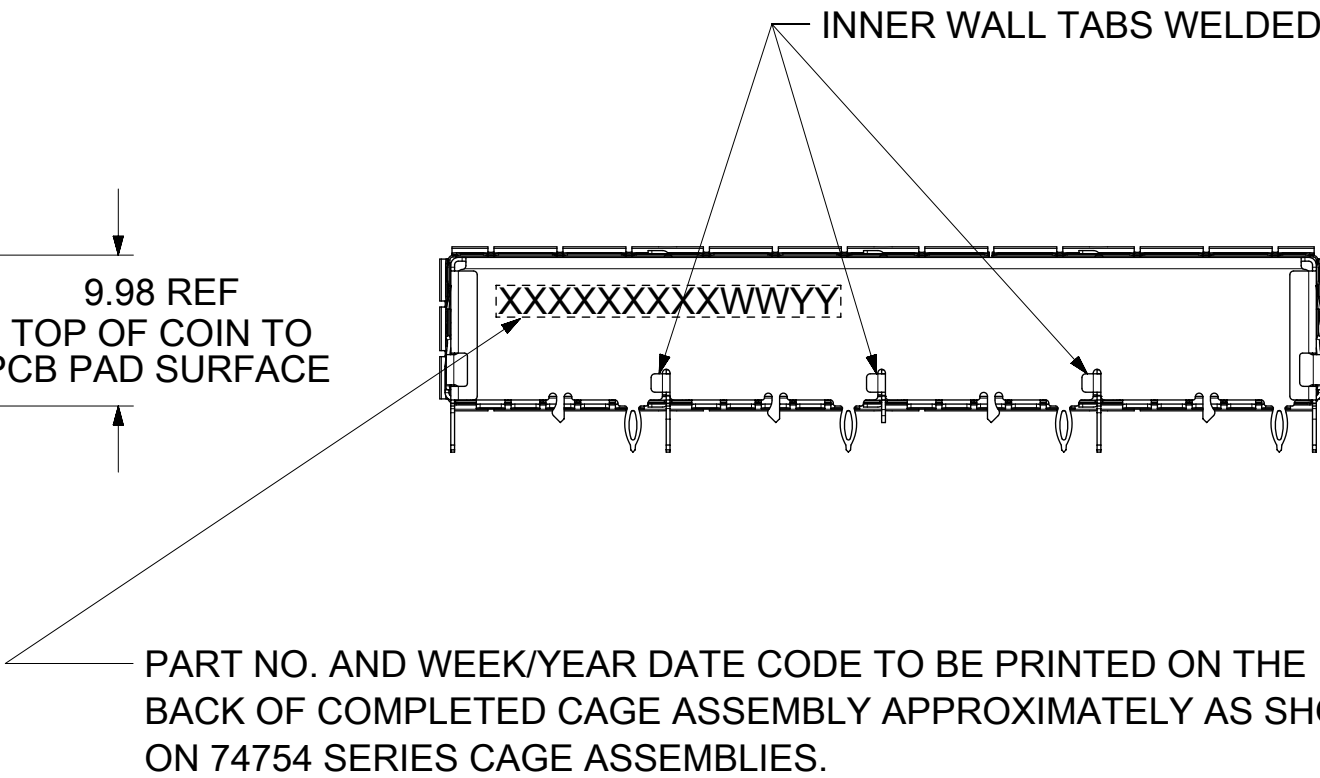
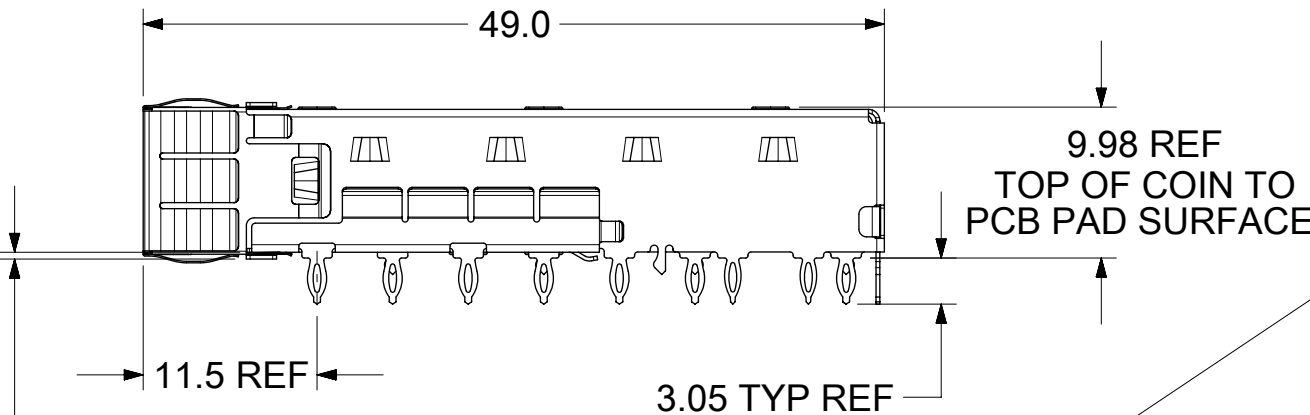
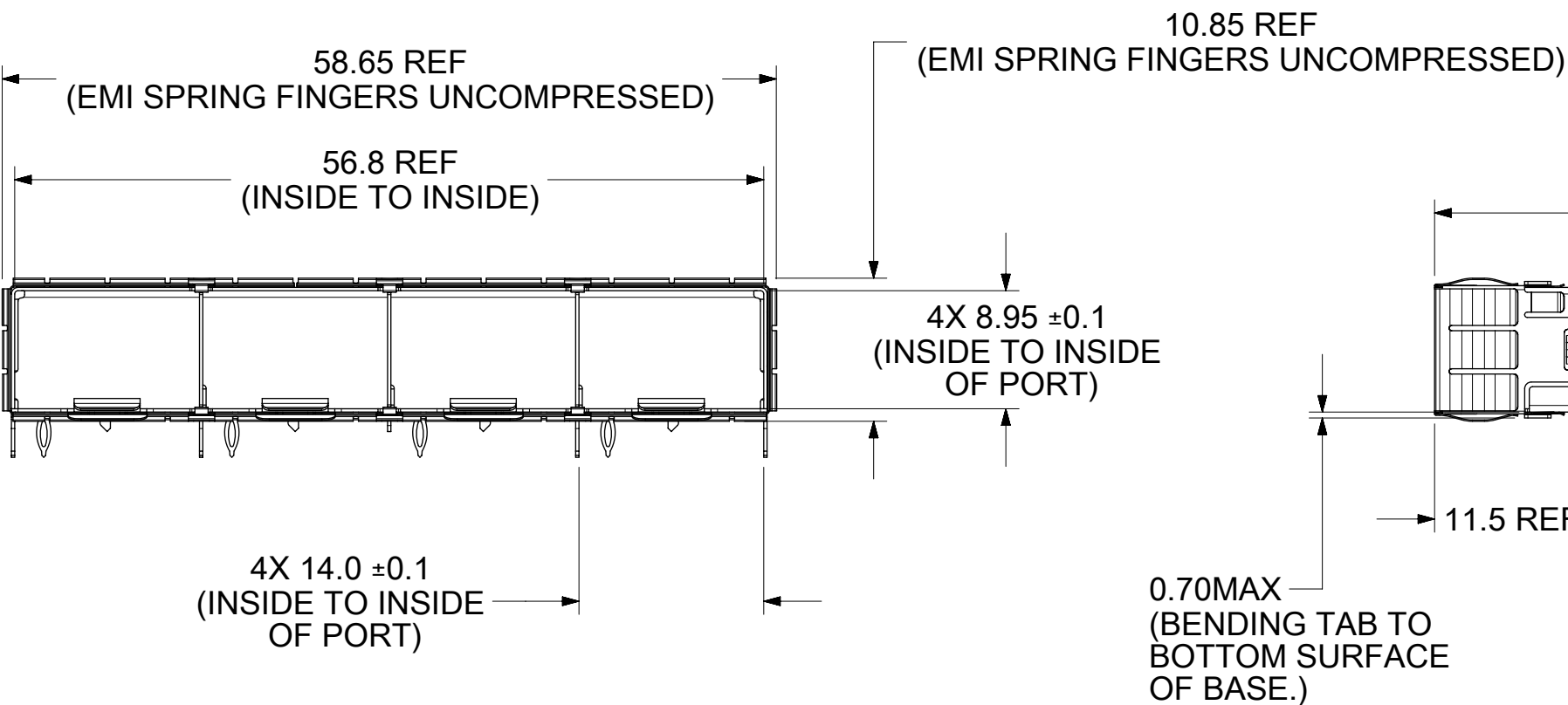
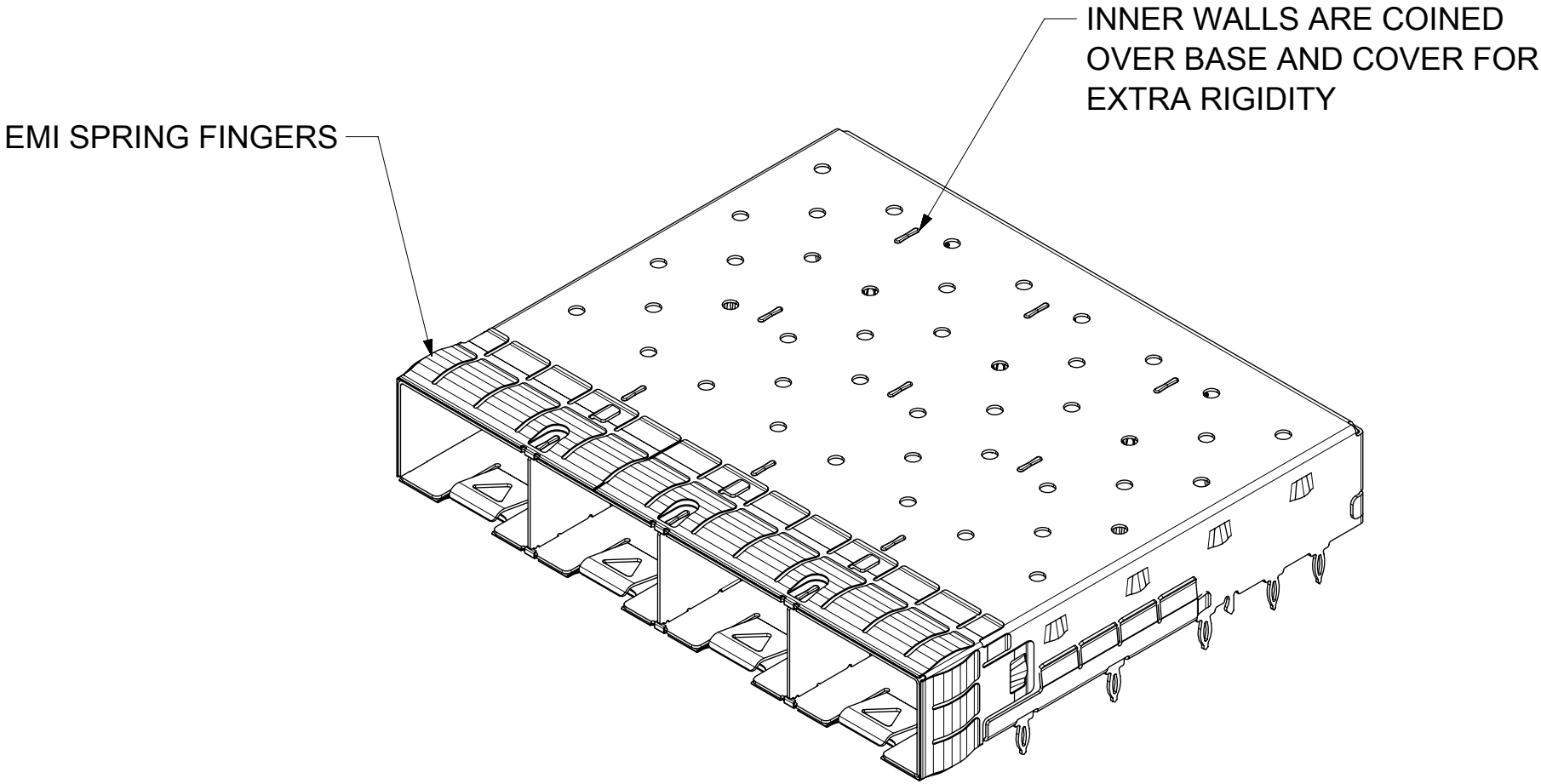
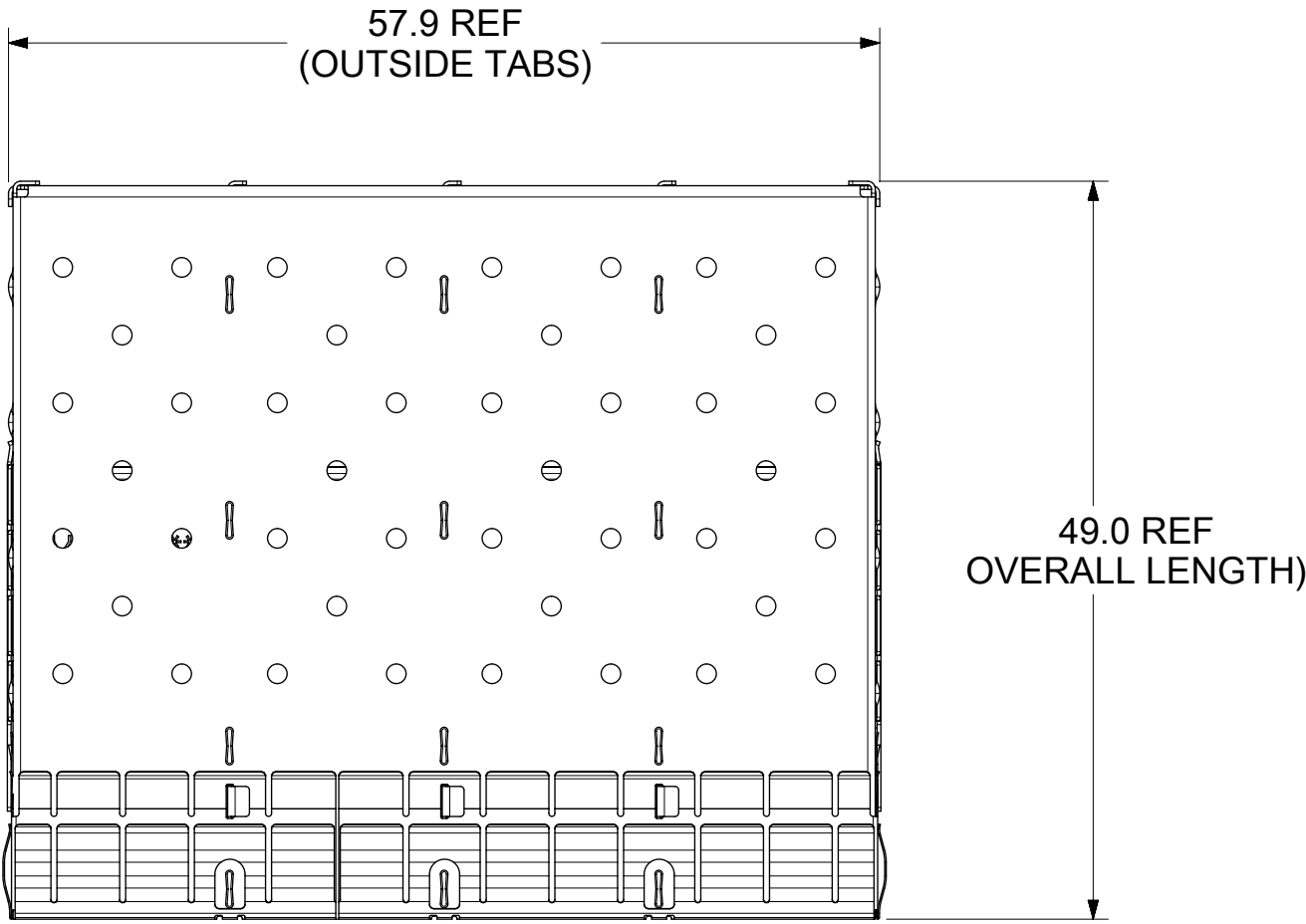


BASE CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

747548420

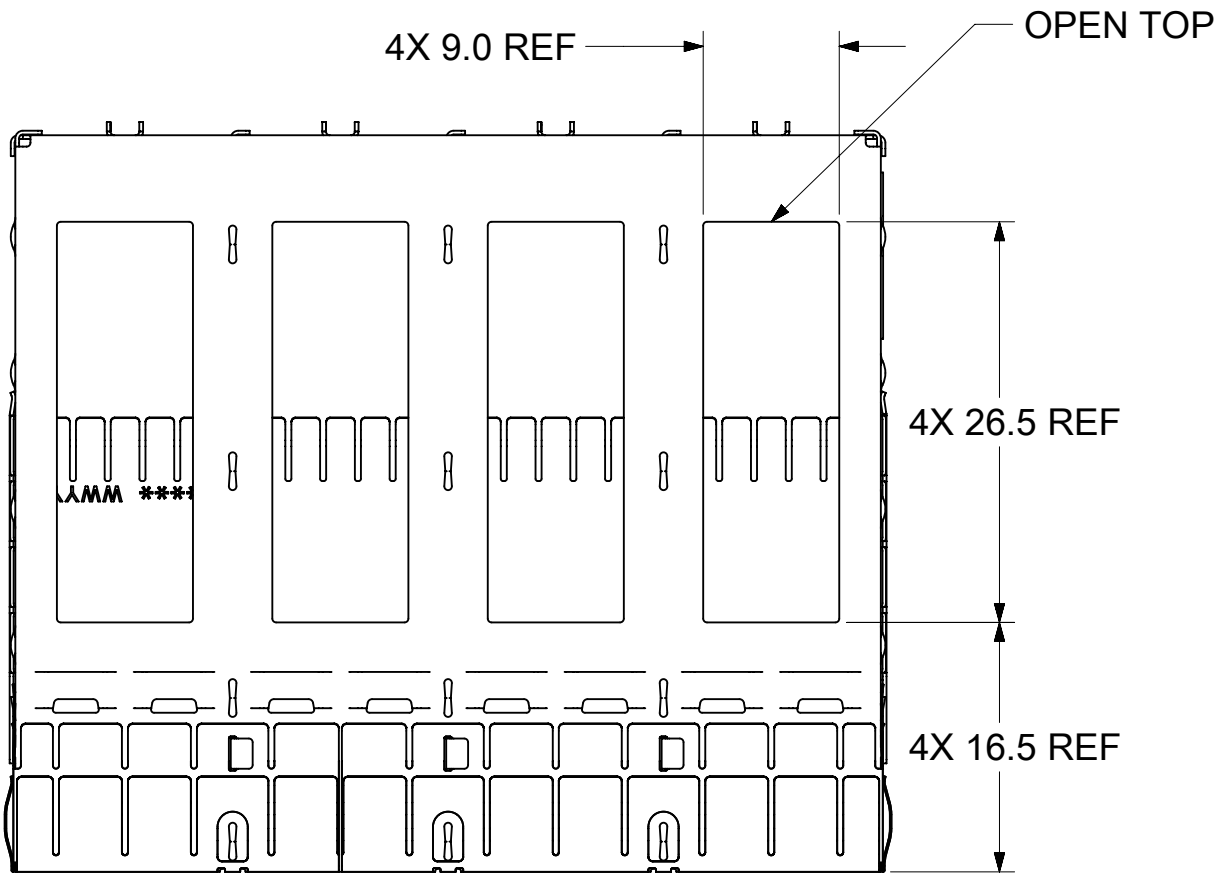
SHOWN



- 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.

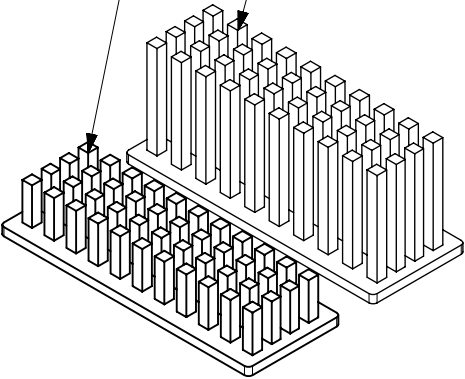
WEEK/YEAR DATE CODE TABLE											
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR										
YY	22, 23, 24,,, ETC. EXAMPLE: YEAR 2022 = 22										
FUNCTIONAL SYMBOLS FA = 0 FE = 0 FF = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS			
	mm		2:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
	ANGULAR TOL ± 1.0 °		EC NO: 706897 DRWN: ABHILT2 2022/05/04 CHK'D: TKUMARKC 2022/05/16 APPR: SCHIEN 2022/05/19			PRODUCT CUSTOMER DRAWING					
	4 PLACES ±										
	3 PLACES ±										
	2 PLACES ± 0.15										
	1 PLACE ± 0.25										
	0 PLACES ±		INITIAL REVISION: DRWN: ABHILT2 2022/05/04 APPR: SCHIEN 2022/05/19			DOCUMENT NUMBER 1111128320		DOC TYPE PSD	DOC PART ASY	REVISION A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING C-SIZE	SERIES 111112	MATERIAL NUMBER SEE SHEET 3		CUSTOMER		SHEET NUMBER 1 OF 7	

CAGE ASSEMBLY OPTIONS



HEATSINK OPTIONS

PIN FIELD NETWORKING
PIN FIELD SAN

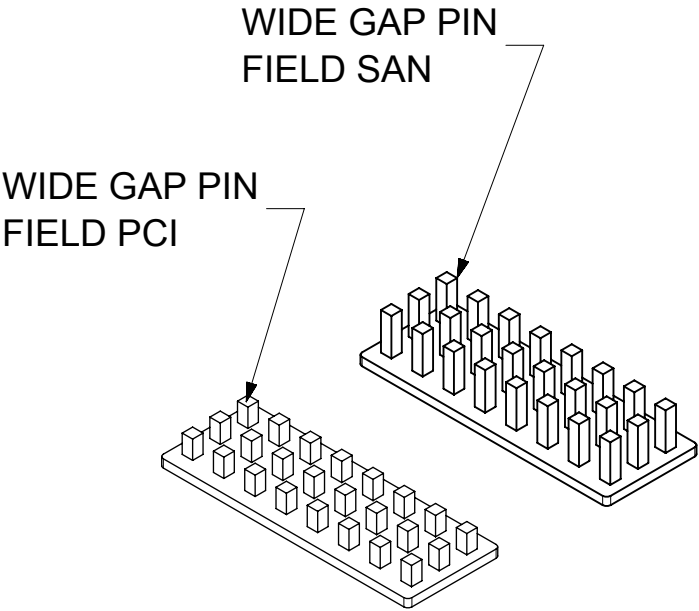


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
SAN	16.6
NETWORKING	23.6

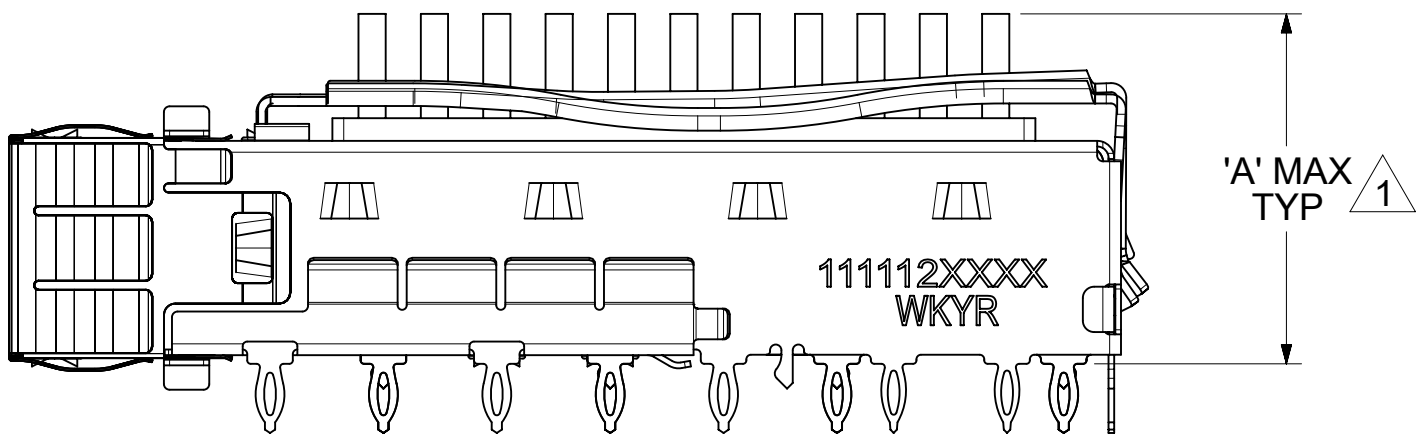
NOTE: PCI-13ROWS
SAN-11ROWS
NETWORKING-10ROWS

HEATSINK OPTIONS

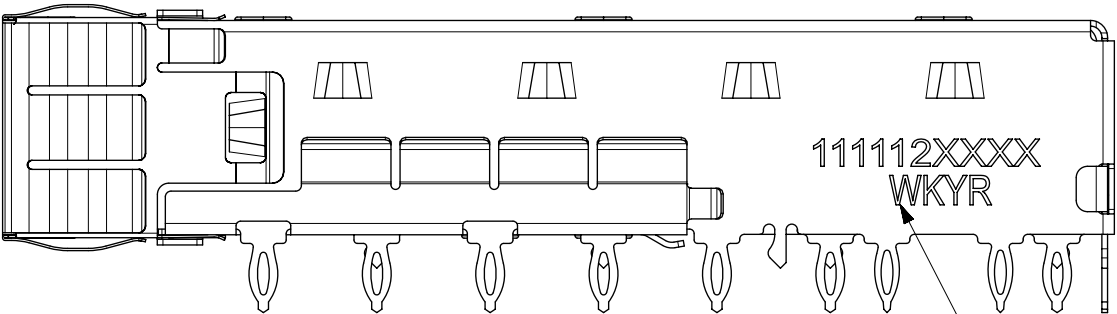
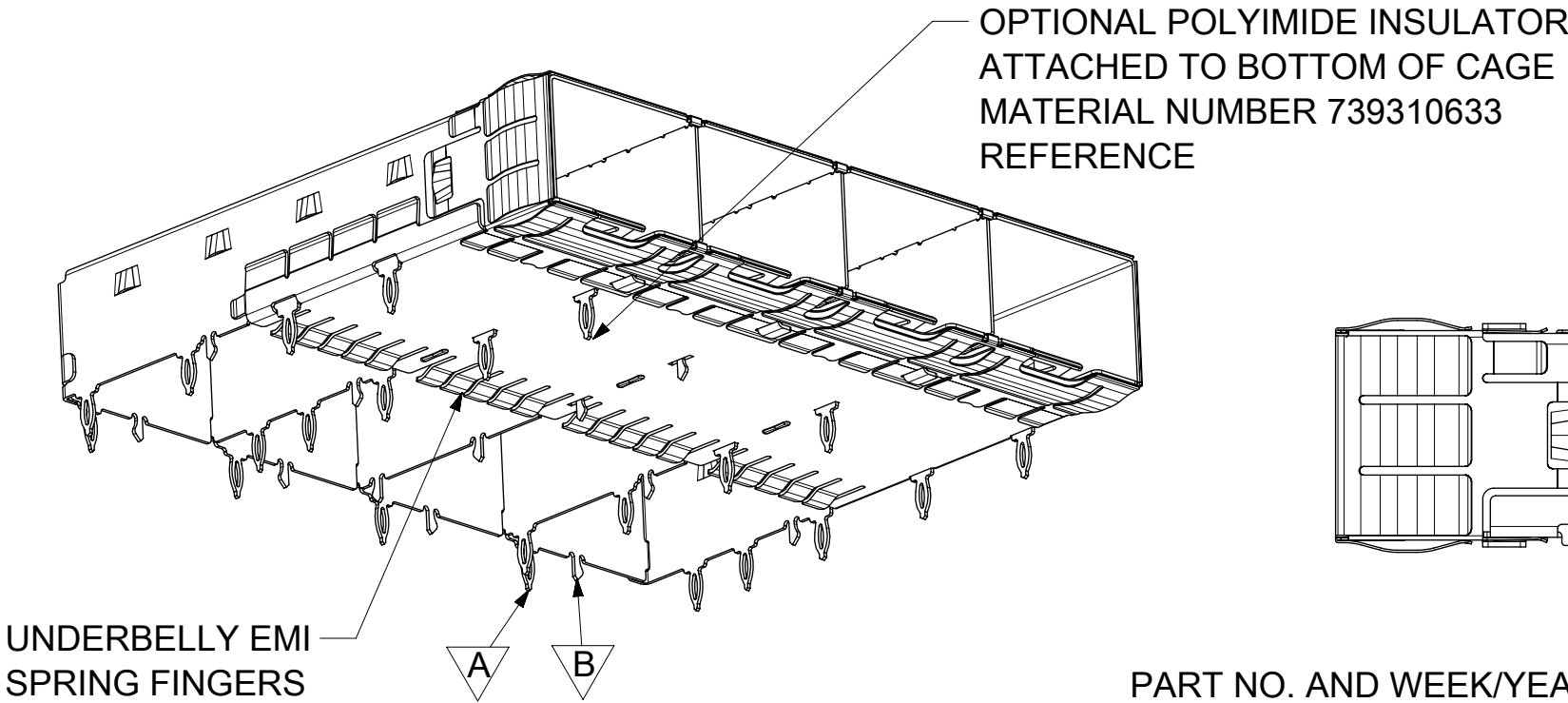


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6



NOTES:
1 HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.



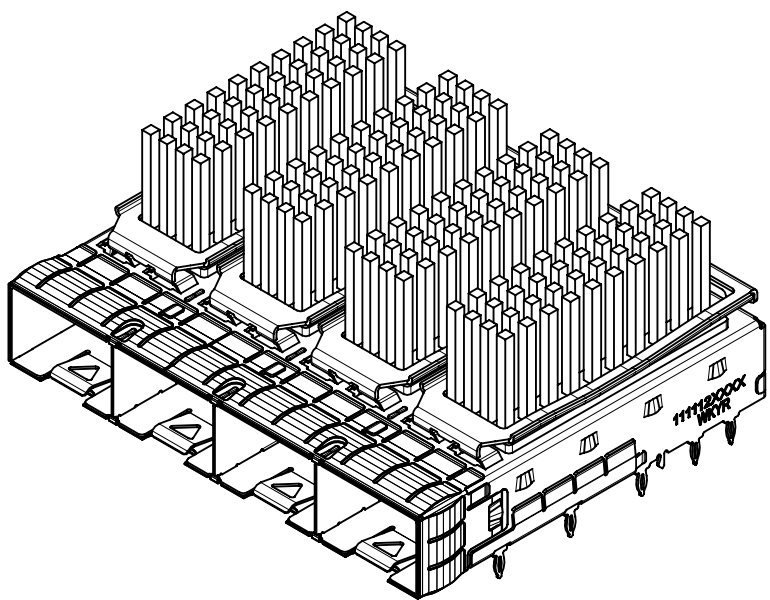
PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE
SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN
FOR 111112 SERIES CAGE ASSEMBLIES.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	22, 23, 24,, ETC. EXAMPLE: YEAR 2022 = 22

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 F C = 0 F P = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS							
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 706897 DRWN: ABHILT2 2022/05/04 CHK'D: TKUMARKC 2022/05/16 APPR: SCHIEN 2022/05/19 INITIAL REVISION: DRWN: ABHILT2 2022/05/04 APPR: SCHIEN 2022/05/19			PRODUCT CUSTOMER DRAWING				
	ANGULAR TOL ± 1.0 °														
	4 PLACES ±		DOCUMENT NUMBER		DOC TYPE		DOC PART				REVISION				
	3 PLACES ±		1111128320		PSD		ASY				A				
	2 PLACES ± 0.15														
	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				2 OF 7	

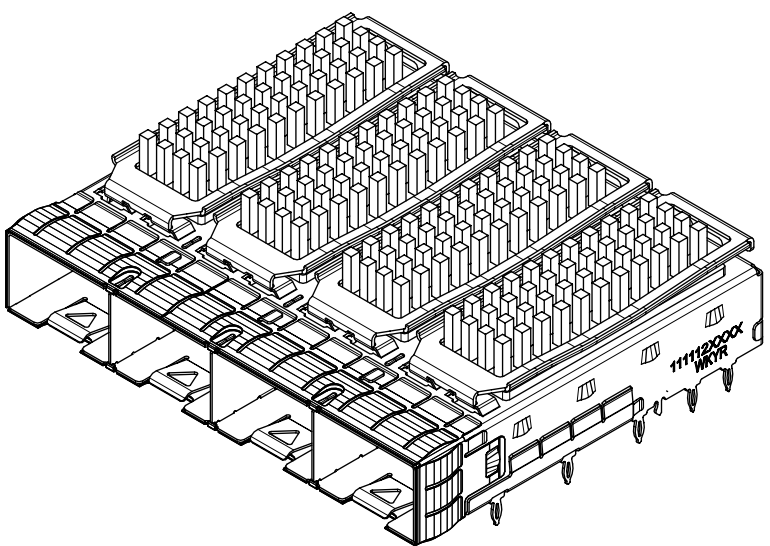
DOCUMENT STATUS	P1	RELEASE DATE	2022/05/19 07:40:31
-----------------	----	--------------	---------------------

PART NUMBER SELECTION

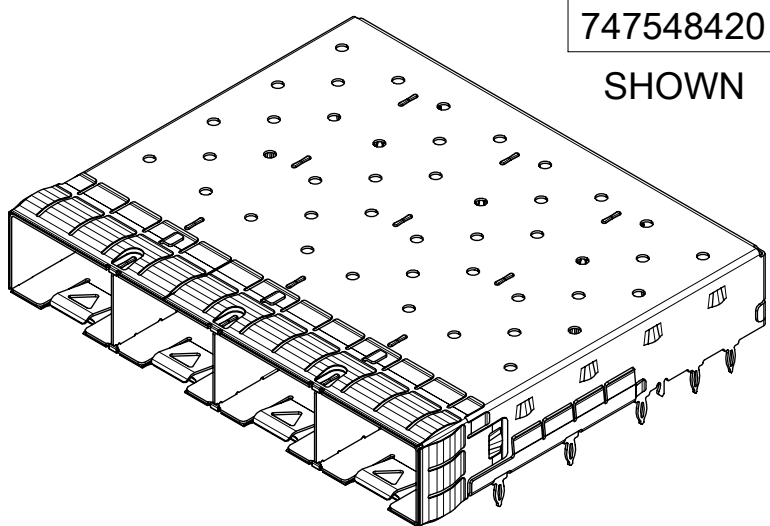


SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111128320	---	SAN	1A, 1B
1111123820	---	NET	1A, 1B
1111124860	YES	NET	1A, 1B

NOTE: PCI-13ROWS
SAN-11ROWS
NET-10ROWS



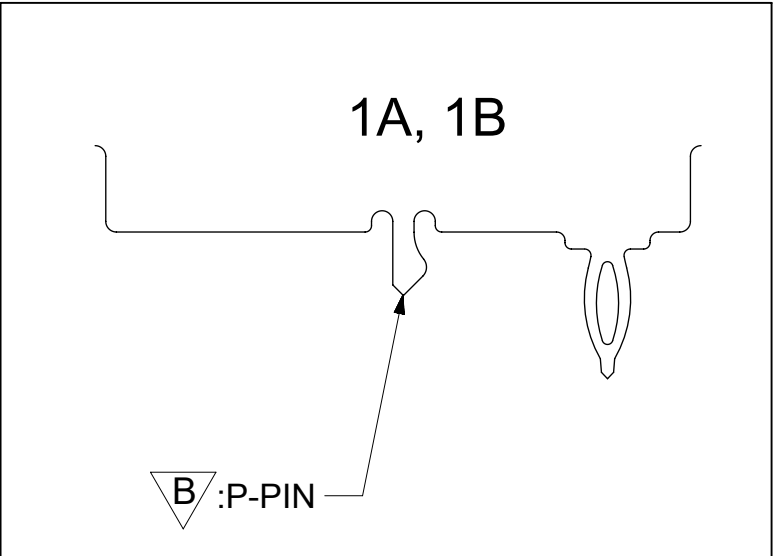
SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111121820	---	PCI	1A, 1B
1111129421	---	CUSTOM	1A, 1B



747548420
SHOWN

SFP+ OPEN TOP BASE CAGE FOR HEATSINK				
PART NO.	POLYIMIDE INSULATOR	WELD POINT QUANTITY	# OF REAR LEGS PER PORT	PLATING
747548420	---	6	1A, 1B	----
747548427	YES (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)	6	1A, 1B	----

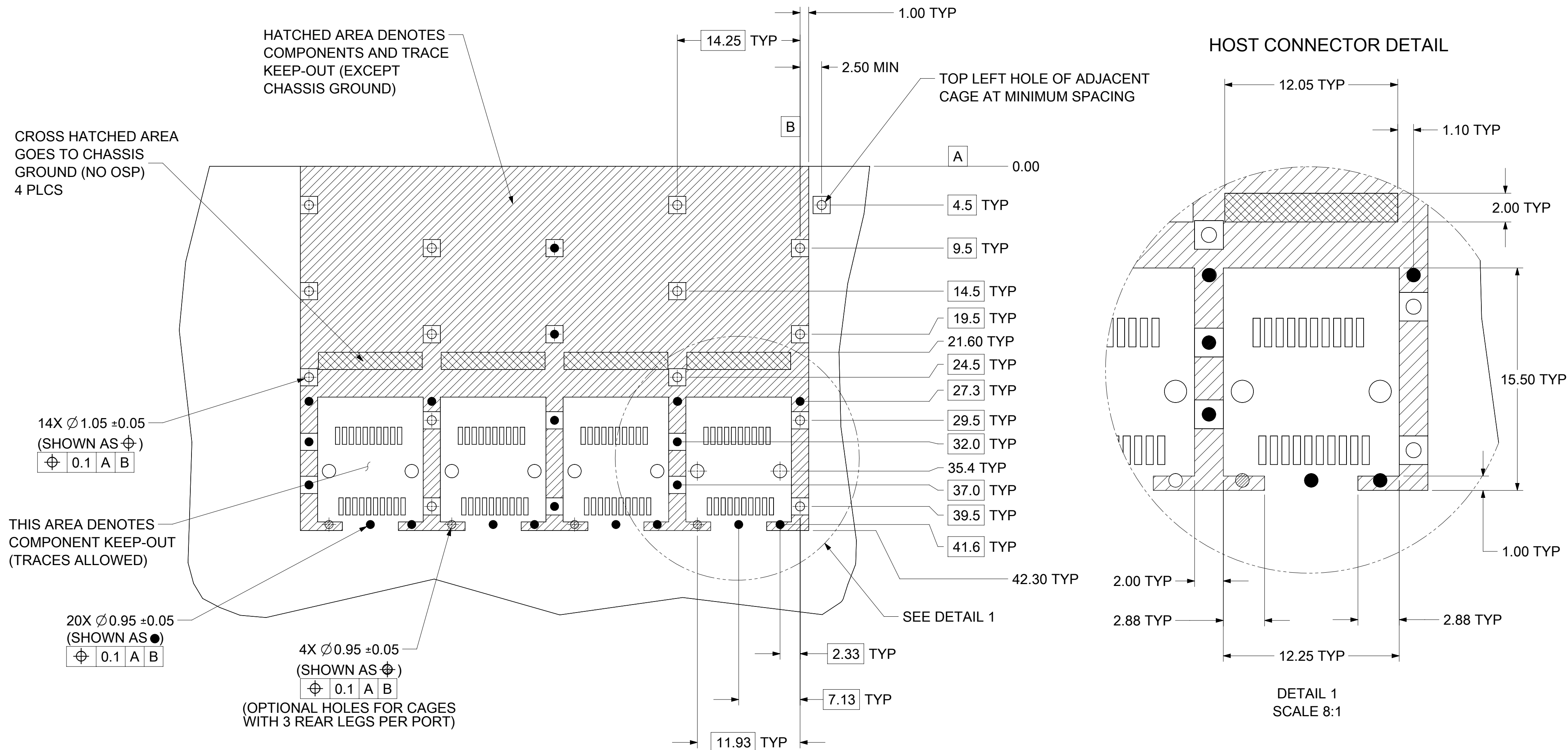
REAR LEG OPTIONS
(PER PORT)



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
= 0 = 0 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE					molex SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS					
	mm		4:3												
	GENERAL TOLERANCES (UNLESS SPECIFIED)									ANGULAR TOL ± 1.0 °		EC NO: 706897			
DIVISIONAL SYMBOLS	4 PLACES		±		DRWN: ABHILT2 2022/05/04					PRODUCT CUSTOMER DRAWING					
	3 PLACES		±		CHK'D: TKUMARKC 2022/05/16										
	2 PLACES		± 0.15		APPR: SCHIEN 2022/05/19										
	1 PLACE		± 0.25		INITIAL REVISION:					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	0 PLACES		±		DRWN: ABHILT2 2022/05/04					1111128320		PSD	ASY	A	
					APPR: SCHIEN 2022/05/19										
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	2022/05/19 07:40:31
-----------------	----	--------------	---------------------

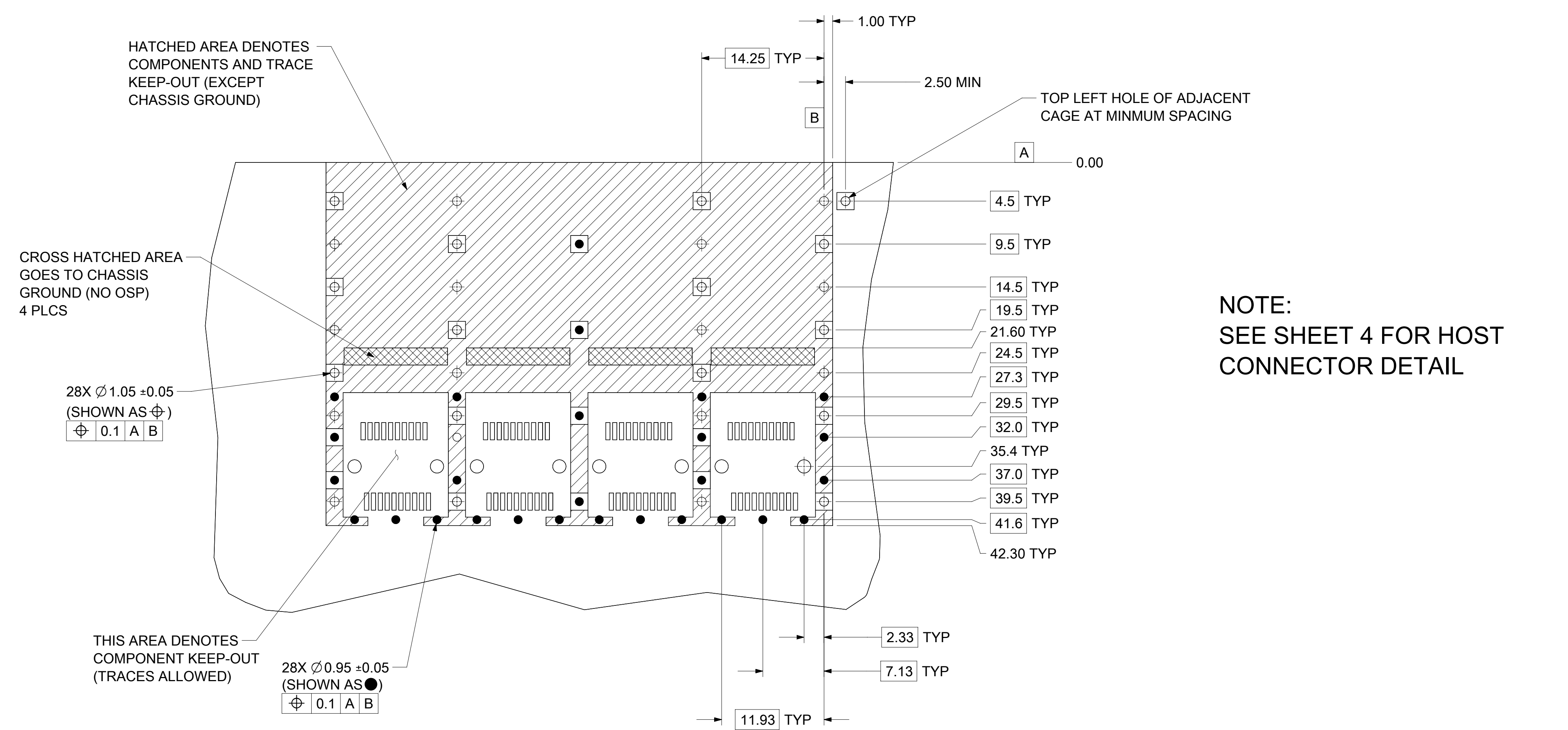
PCB LAYOUT FOR SINGLE SIDE MOUNT



1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED 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 ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT
4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm
5. MINIMUM PCB THICKNESS FOR SINGLE SIDED USE 1.57mm.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex		
F_A = 0	mm		3:1							
F_C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
F_P = 0	ANGULAR TOL ± 1.0 °		EC NO: 706897					SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS		
DIVISIONAL SYMBOLS	4 PLACES ±		DRWN: ABHILT2 2022/05/04							
	3 PLACES ±		CHK'D: TKUMARKC 2022/05/16							
	2 PLACES ± 0.15		APPR: SCHIEN 2022/05/19							
	1 PLACE ± 0.25		INITIAL REVISION:							
	0 PLACES ±		DRWN: ABHILT2 2022/05/04 APPR: SCHIEN 2022/05/19							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
				C-SIZE	111112	1111128320		PSD	ASY	A
						MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						SEE SHEET 3				4 OF 7

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED 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 ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT
 4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm
 5. MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE 3.00mm.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE	CURRENT REV DESC: SEE REVISION TABLE				molex			
	mm		3:1	EC NO: 706897 DRWN: ABHILT2 2022/05/04 CHK'D: TKUMARKC 2022/05/16 APPR: SCHIEN 2022/05/19 INITIAL REVISION: DRWN: ABHILT2 2022/05/04 APPR: SCHIEN 2022/05/19				SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS			
	GENERAL TOLERANCES (UNLESS SPECIFIED)							PRODUCT CUSTOMER DRAWING			
	ANGULAR TOL ± 1.0 °										
	4 PLACES		±								
	3 PLACES		±								
	2 PLACES		± 0.15								
	1 PLACE		± 0.25								
0 PLACES		±	DOCUMENT NUMBER								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				C-SIZE	111112	SEE SHEET 3				5 OF 7	

DOCUMENT STATUS

P1

RELEASE DATE

2022/05/19 07:40:31

12

11

10

9

8

7

6

5

4

3

2

1

molex

SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS

PRODUCT CUSTOMER DRAWING

1111128320

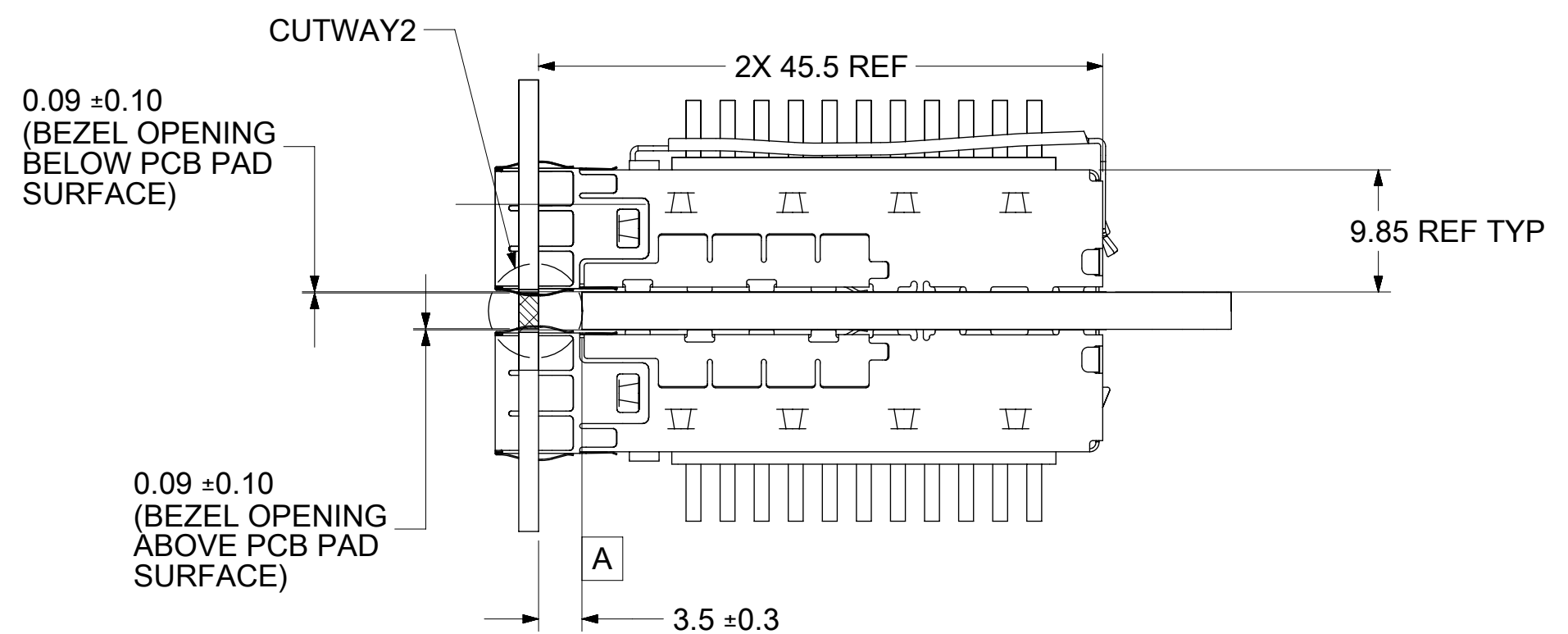
PSD

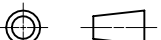
ASY

A

Technical drawing of a mechanical part with the following dimensions:

- Overall length: 58.2 ± 0.1
- Overall width: 10.4 ± 0.1
- Minimum thickness at the left end: 1.3 MIN
- Radius specification: $R0.3 \text{ MAX TYP}$



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE								
$\frac{F}{A} = 0$	mm		2:1										
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				SFP+ 1X4 SF CAGE ASSY'S PRESS FIT, HEAT SINKS, WITH SUS EMI SPRING FINGERS								
$\frac{F}{P} = 0$	ANGULAR TOL ± 1.0 °												
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 706897			DRWN: ABHILT2 2022/05/04 CHK'D: TKUMARKC 2022/05/16 APPR: SCHIEN 2022/05/19					
	3 PLACES		±		INITIAL REVISION: 2022/05/04 DRWN: ABHILT2 2022/05/04 APPR: SCHIEN 2022/05/19								
	2 PLACES		± 0.15										
	1 PLACE		± 0.25		DOCUMENT NUMBER DOC TYPE DOC PART REVISION 1111128320 PSD ASY A								
	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	

