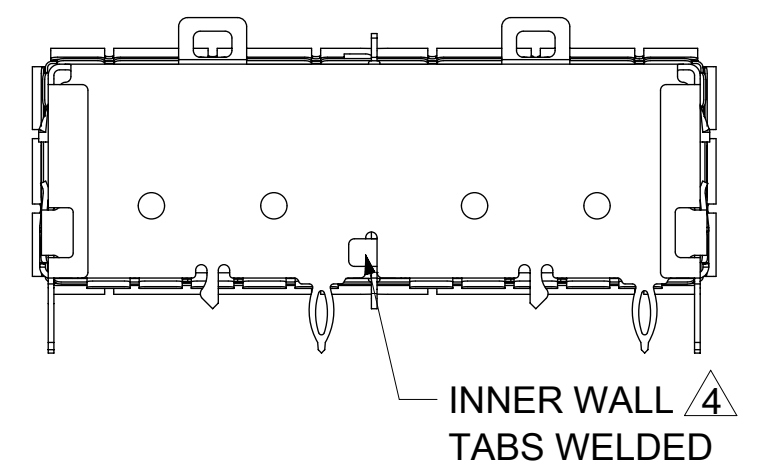
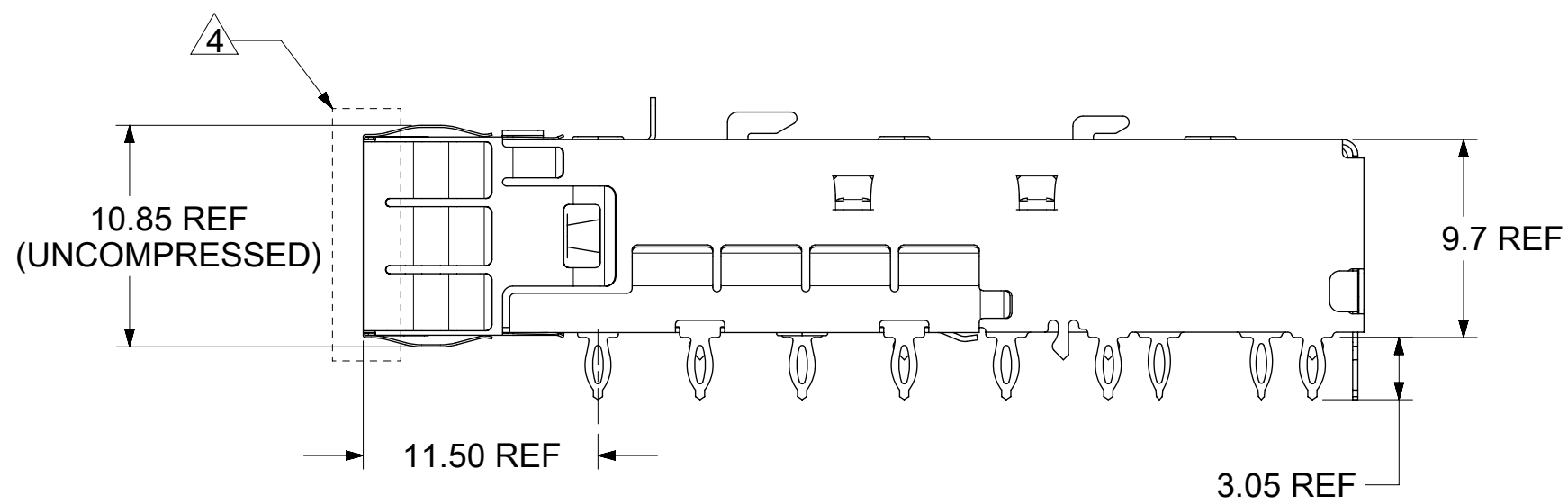
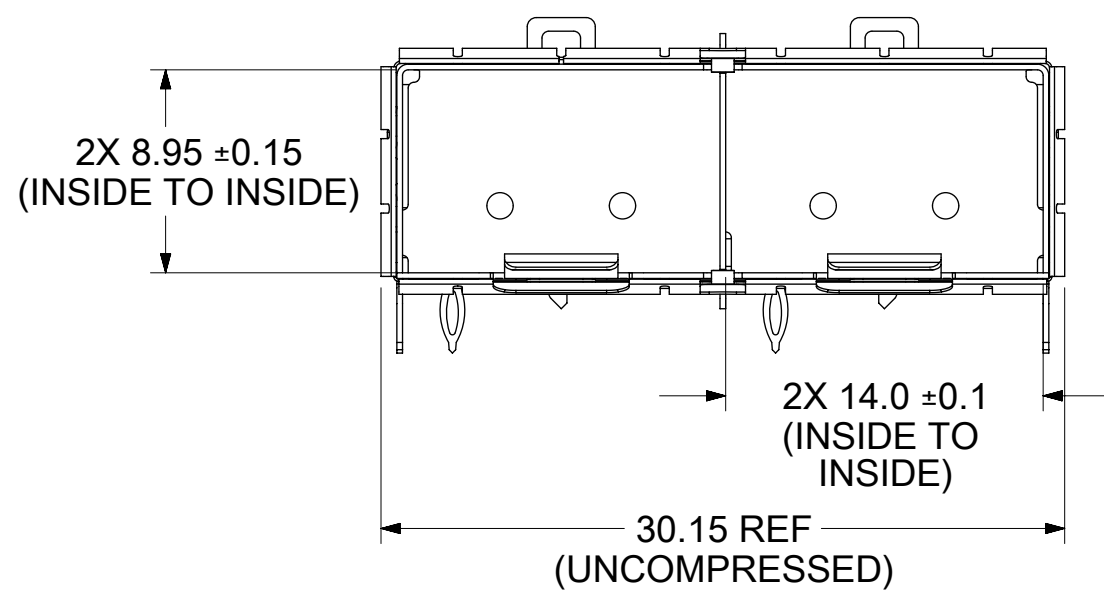
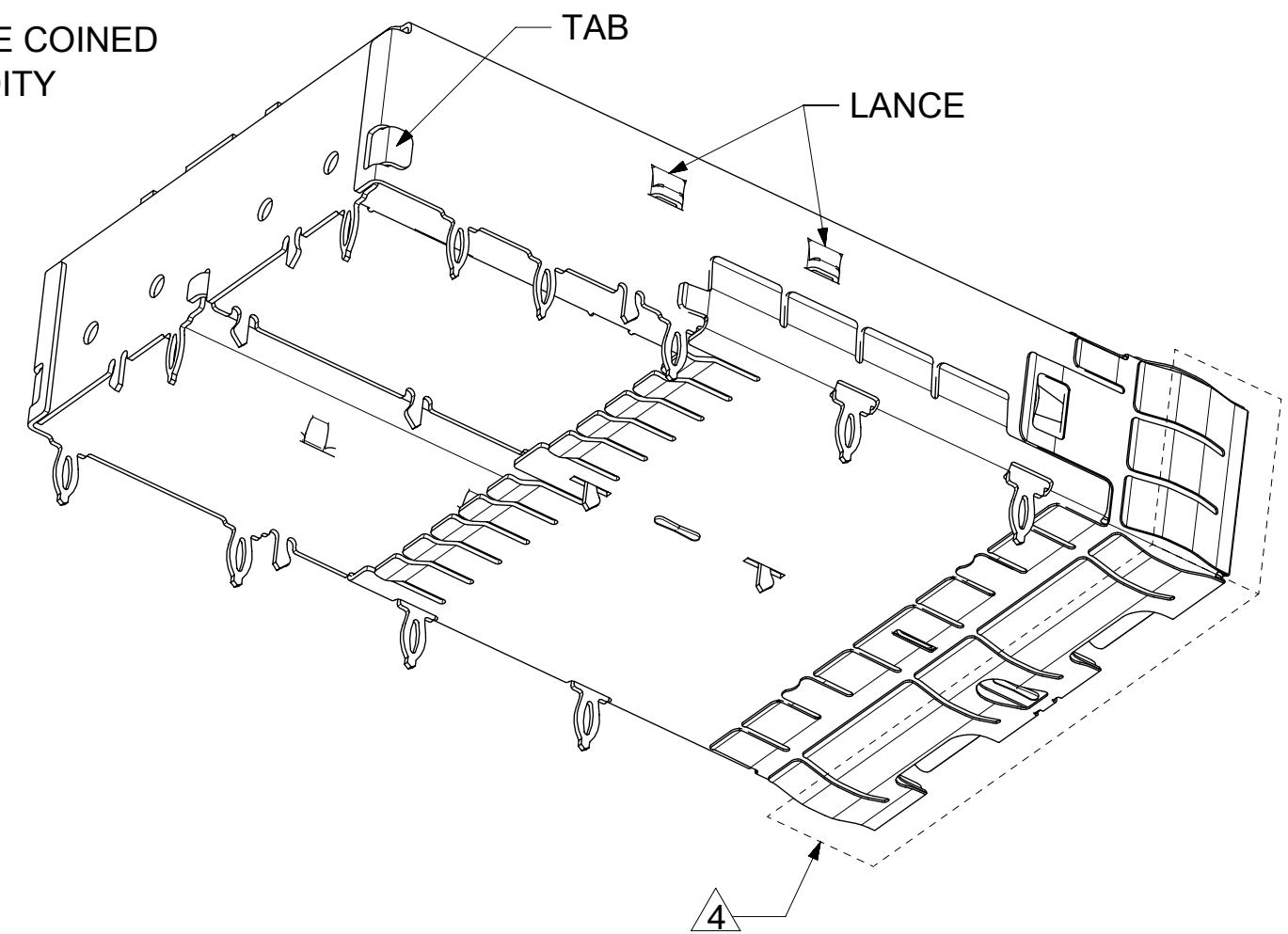
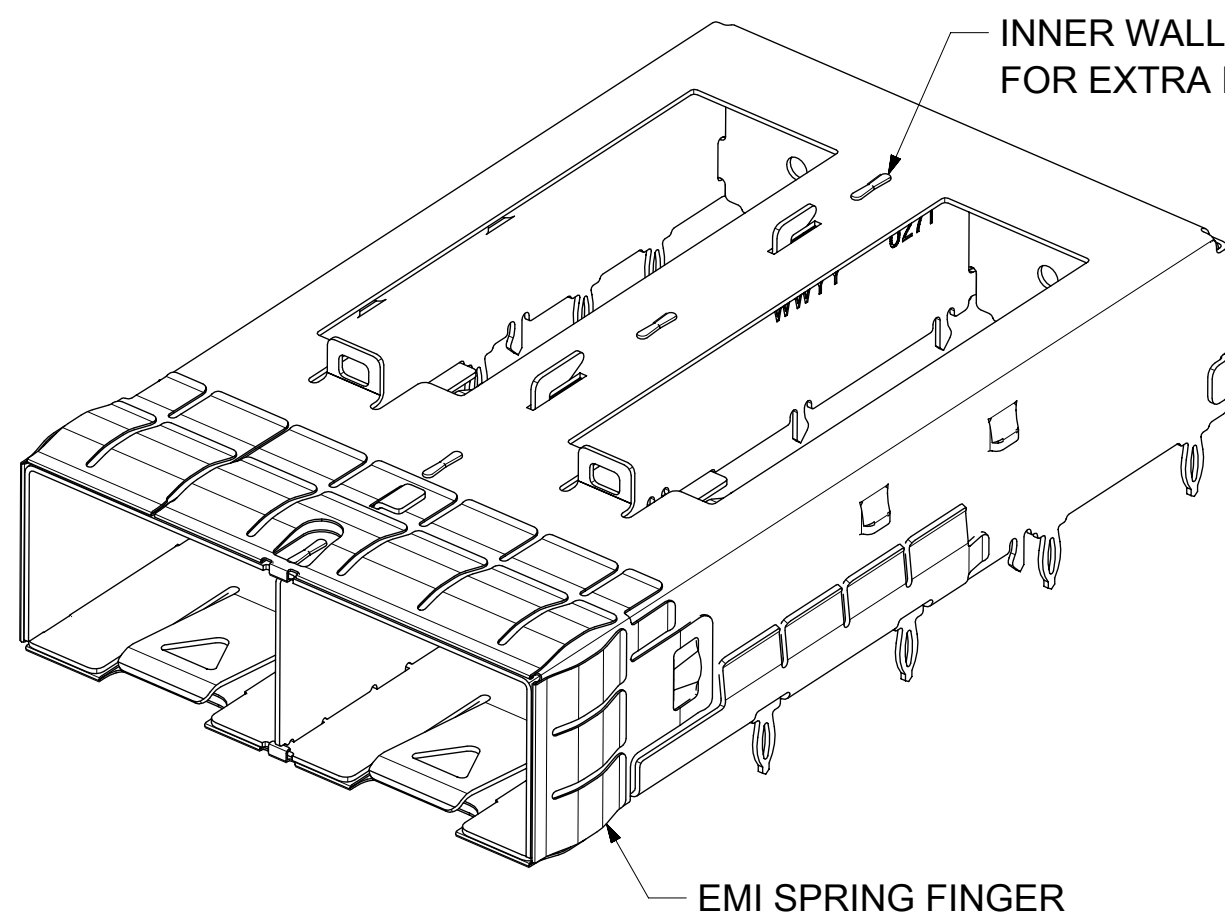
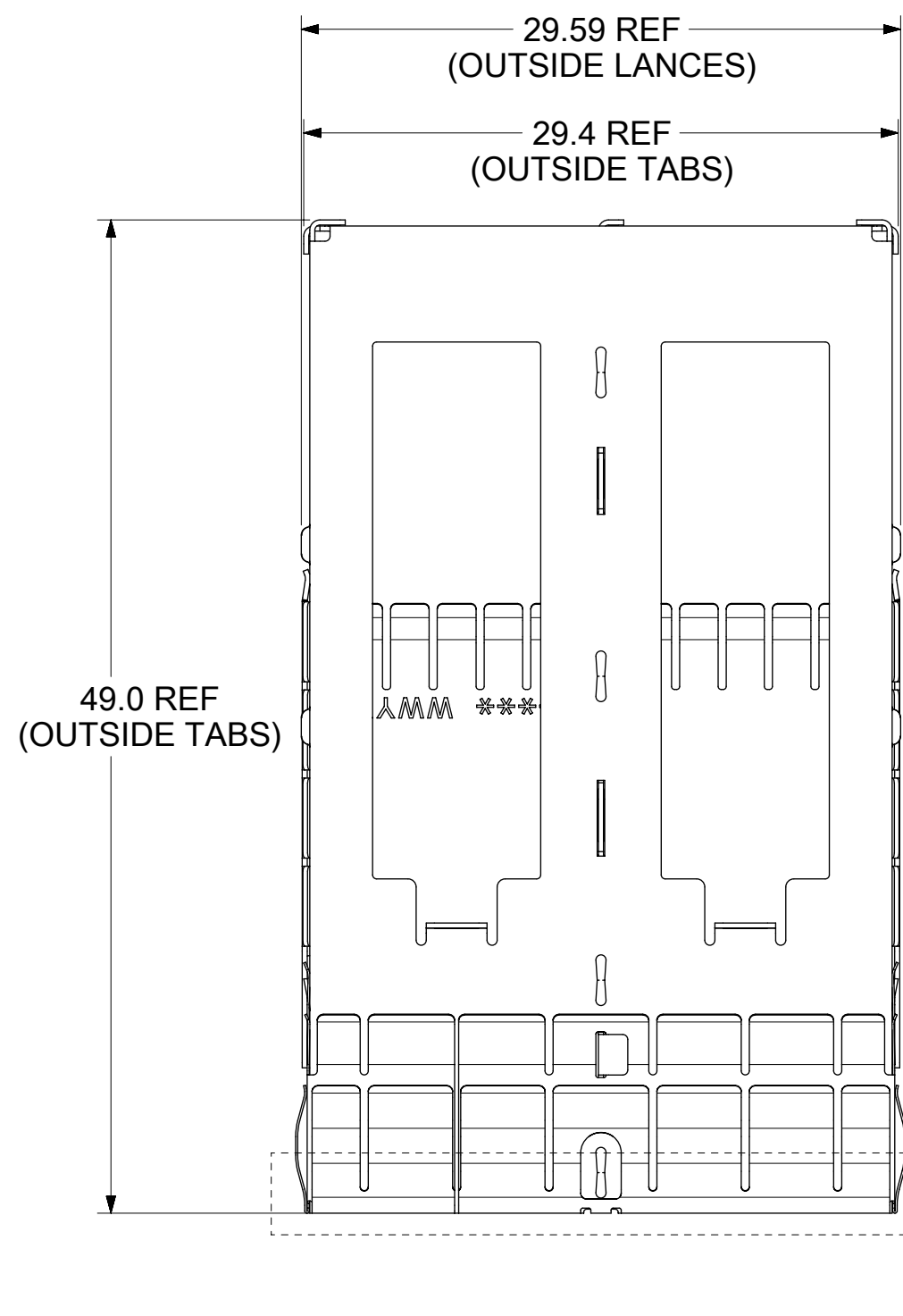


# CAGE ASSEMBLY

## HEAT SINK, LIGHT PIPE AND CLIP NOT SHOWN FOR CLARITY



**NOTES:**

1. MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.  
SPRING FINGERS: STAINLESS STEEL.  
HEATSINK: ALUMINUM, BLACK ANODIZED  
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. 1.5mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
7. 3.0mm MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

P/N	HEAT SINK	LIGHT PIPE	SHEET NO.
1111128283	CUSTOM SOLID HS	DUAL LIGHT PIPE	SHEET 2
1111128284	CUSTOM SOLID HS WITH TAIL	N/A	SHEET 3
1111128285	CUSTOM SOLID HS	DUAL LIGHT PIPE	SHEET 4

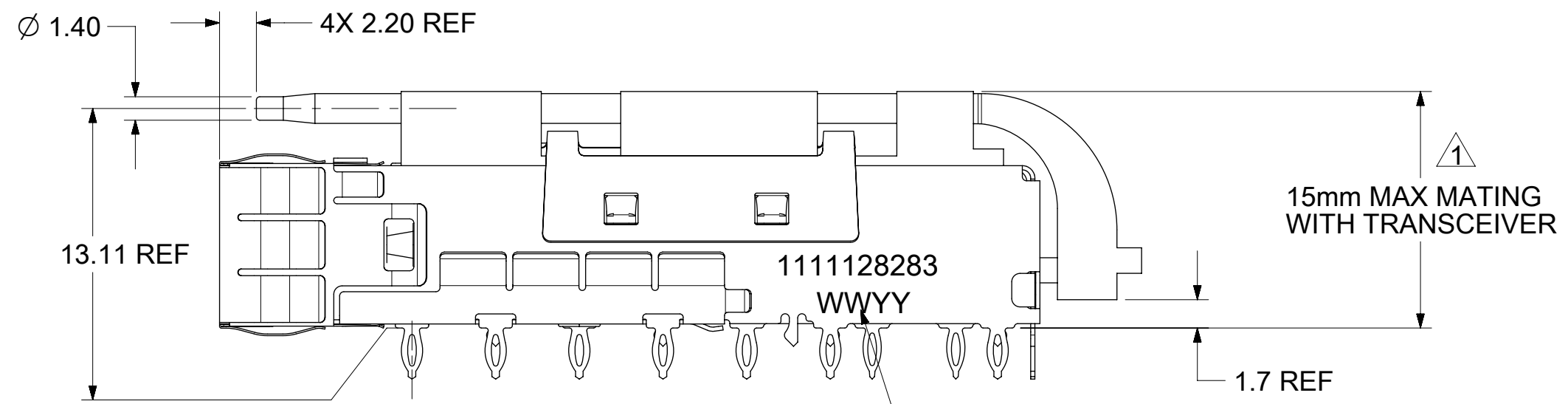
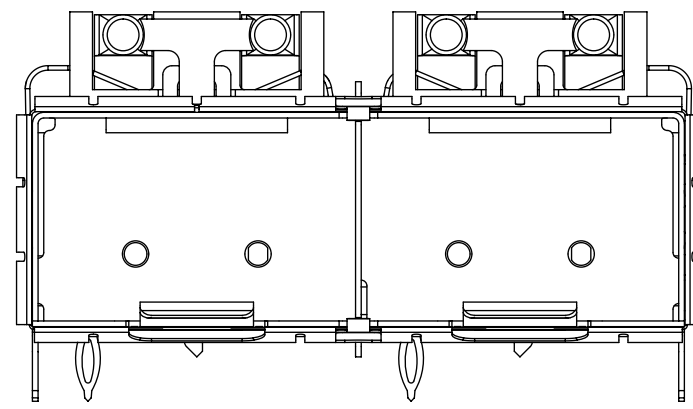
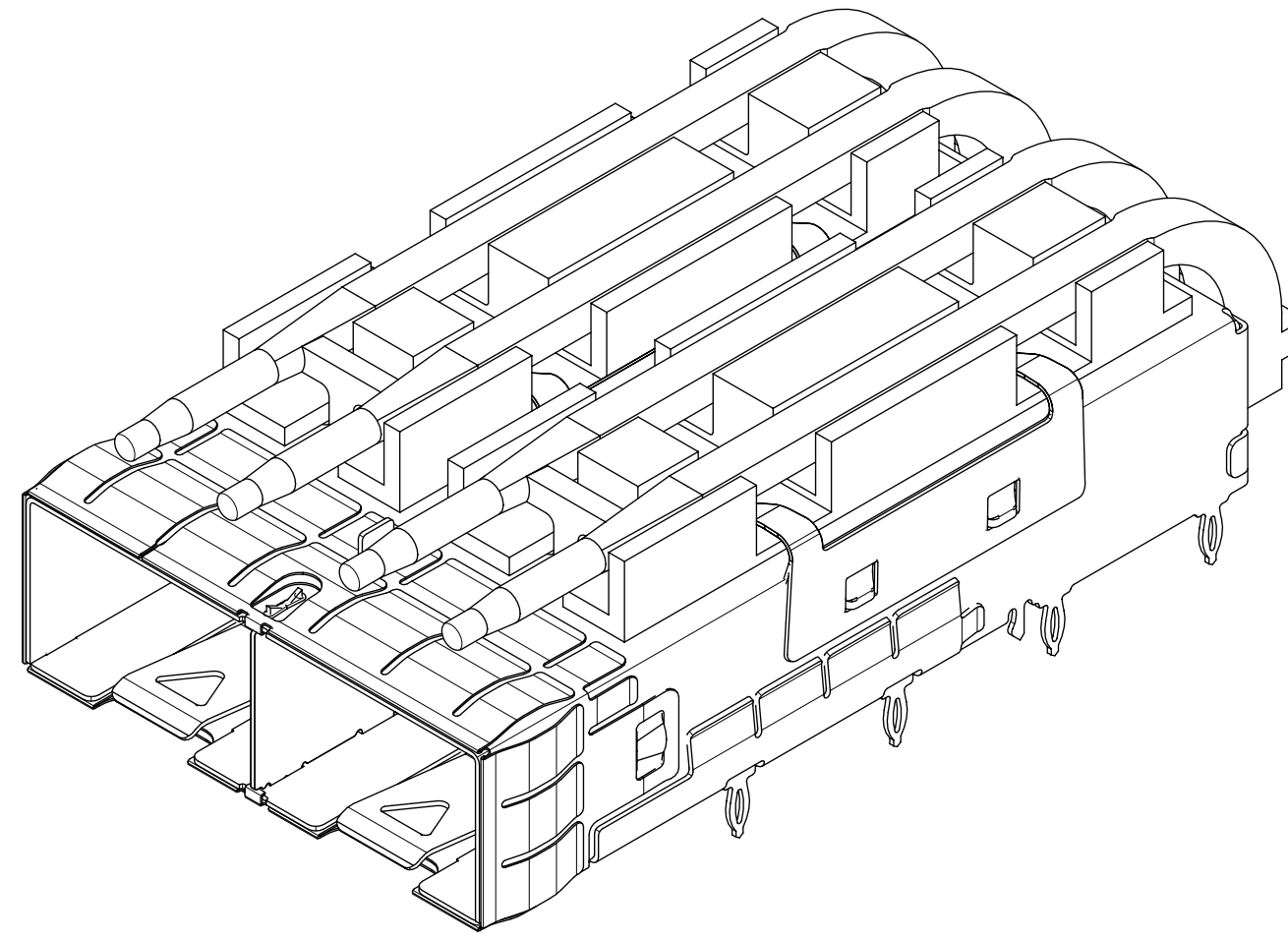
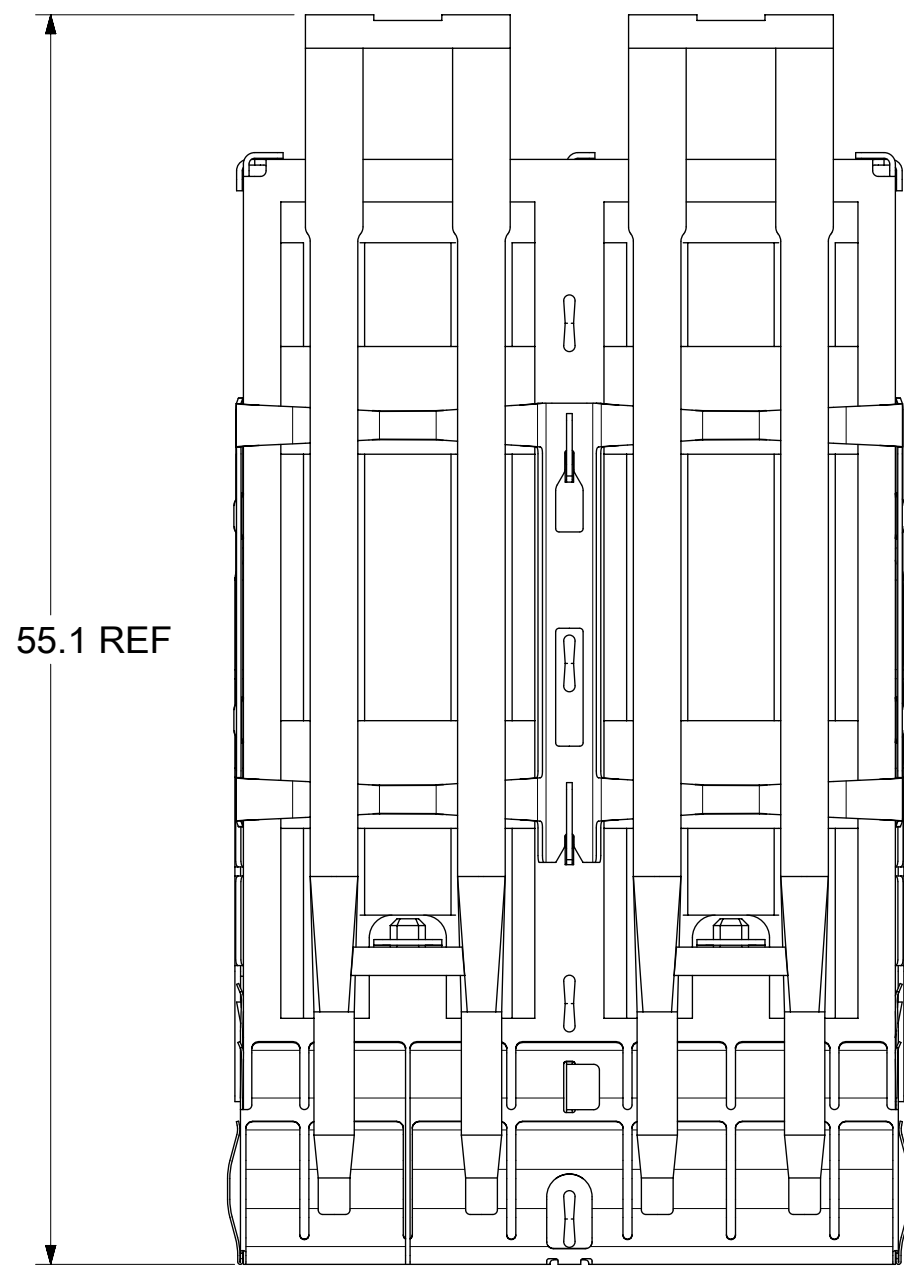
FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE	 SFP+ 1X2 CAGE ASSY PRESS FIT TYPE W/ SUS SF, CUSTOM HEATSINK AND DUAL LP, BELLY TO BELLY MOUNTING PRODUCT CUSTOMER DRAWING	
	mm	3:1		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	ANGULAR TOL ± 2.0°	EC NO: 707262	2022/04/12	DOCUMENT NUMBER
4 PLACES ±		DRWN: ABHILT2	2022/05/26	1111128283
3 PLACES ±		CHK'D: TKUMARKC	2022/05/27	DOC TYPE
2 PLACES ± 0.13		APPR: SCHIEN		ASY
1 PLACE ± 0.25		INITIAL REVISION:		A
0 PLACES ±		DRWN: ABHILT2	2022/04/12	
		APPR: SCHIEN	2022/05/27	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
		C-SIZE	111112	SEE P/N TABLE
				CUSTOMER
				SHEET NUMBER
				1 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/27	10:20:27
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# CAGE ASSEMBLY W/ HEAT SINK & LIGHT PIPE

111128283

SHOWN



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

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

NOTE:  
 1 HEIGHT OF HEATSINK 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: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
FA = 0	mm	1:1		
EA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
EP = 0	ANGULAR TOL ± 2.0°			
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 707262	
	3 PLACES	±	DRWN: ABHILT2	2022/04/12
	2 PLACES	± 0.13	CHK'D: TKUMARKC	2022/05/26
	1 PLACE	± 0.25	APPR: SCHIEN	2022/05/27
0 PLACES	±	INITIAL REVISION:		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	111112
DOCUMENT STATUS		P1	RELEASE DATE	2022/05/27 10:20:27
DOCUMENT NUMBER		CUSTOMER		SHEET NUMBER
111128283		SEE P/N TABLE		2 OF 9
DOC TYPE		DOC PART	REVISION	
PSD		ASY	A	

**molex**

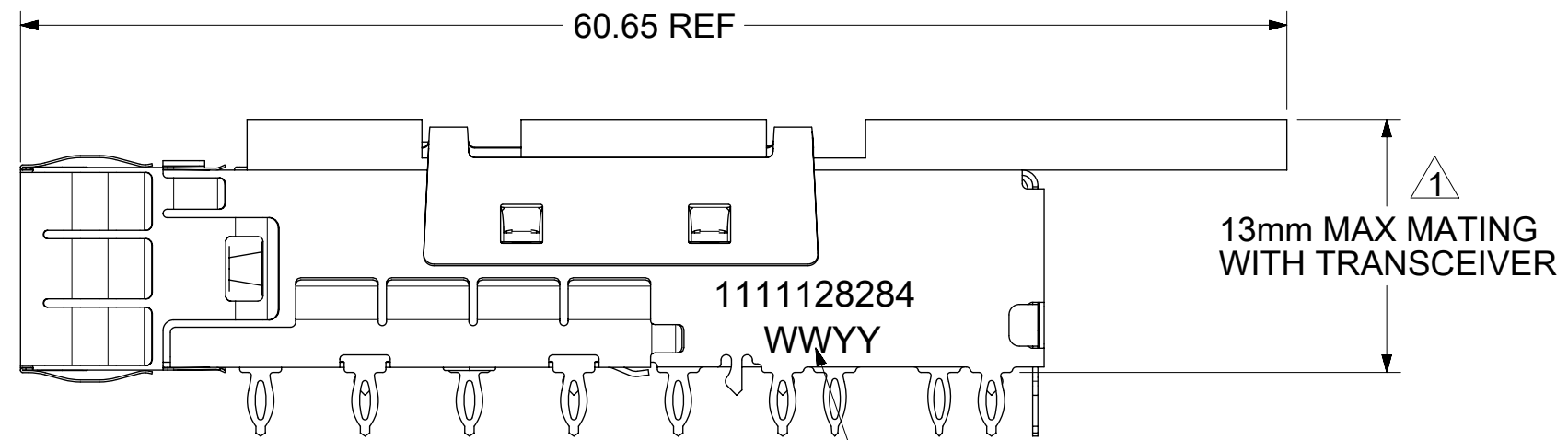
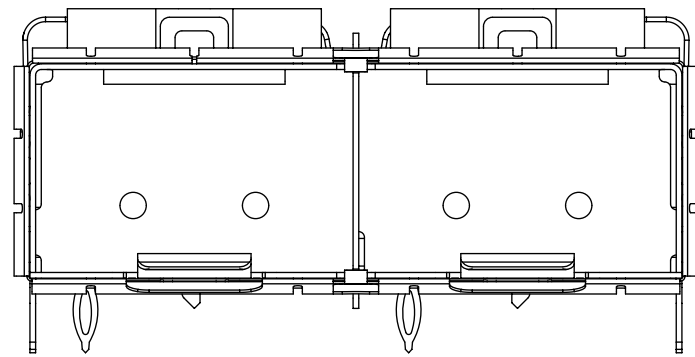
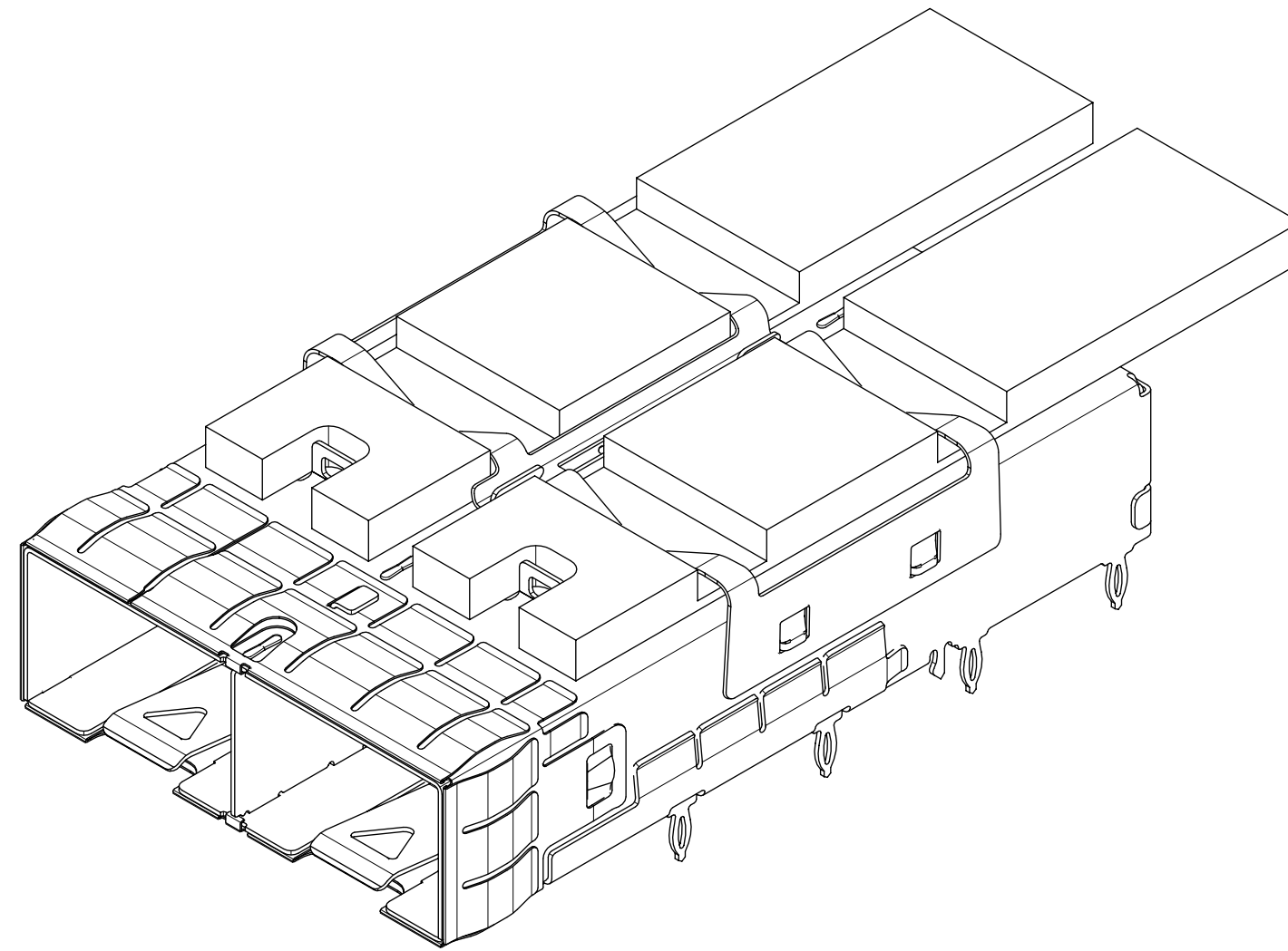
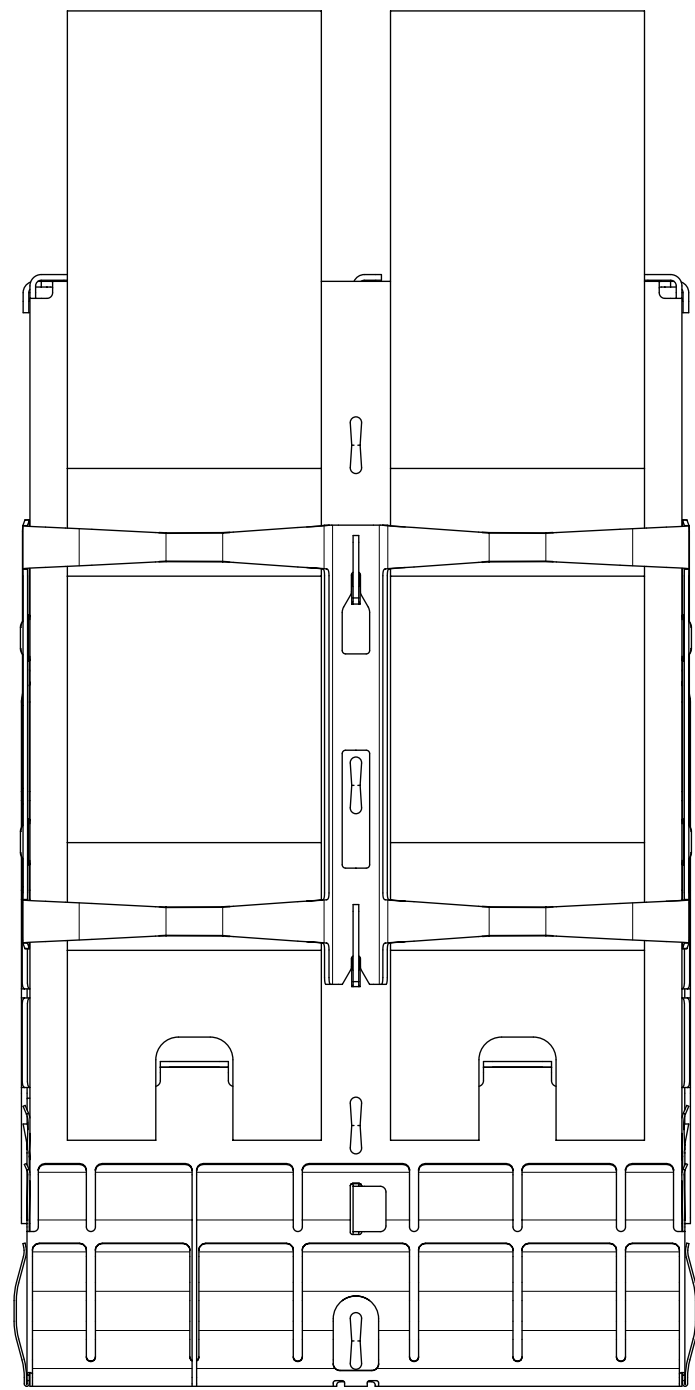
SFP+ 1X2 CAGE ASSY PRESS FIT TYPE  
 W/ SUS SF, CUSTOM HEATSINK AND DUAL LP, BELLY  
 TO BELLY MOUNTING

PRODUCT CUSTOMER DRAWING

# CAGE ASSEMBLY W/ HEAT SINK

111128284

SHOWN



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

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YY	22,23,24 ETC. EXAMPLE: YEAR 2022 = 22

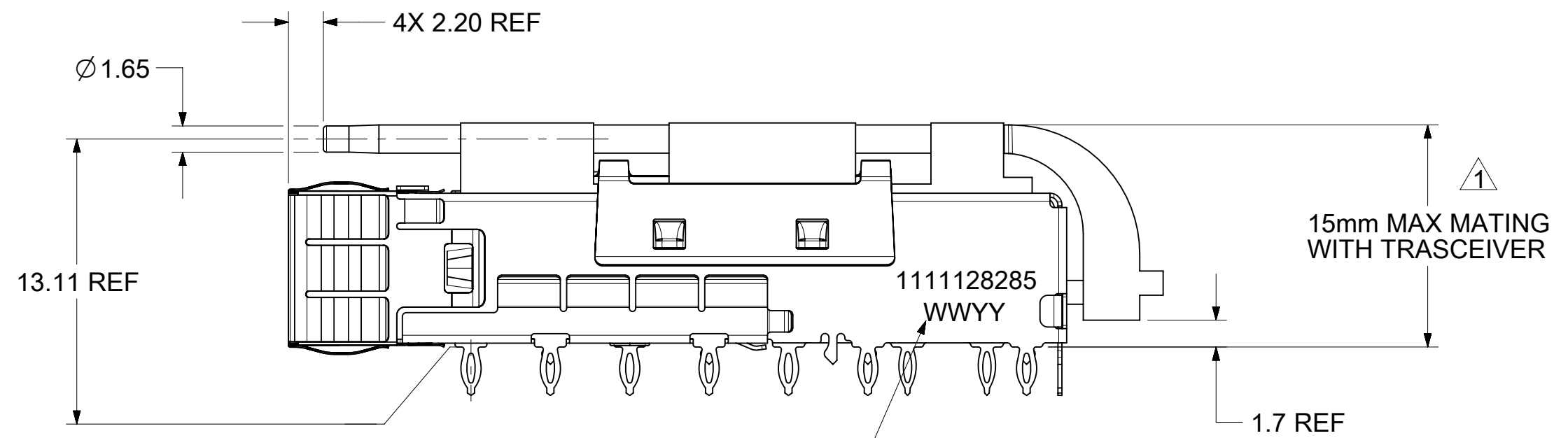
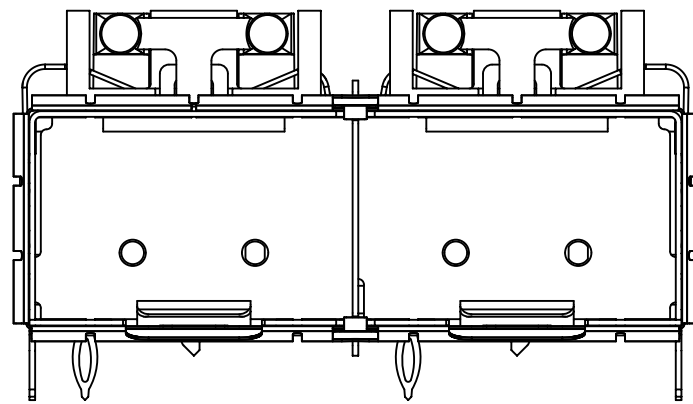
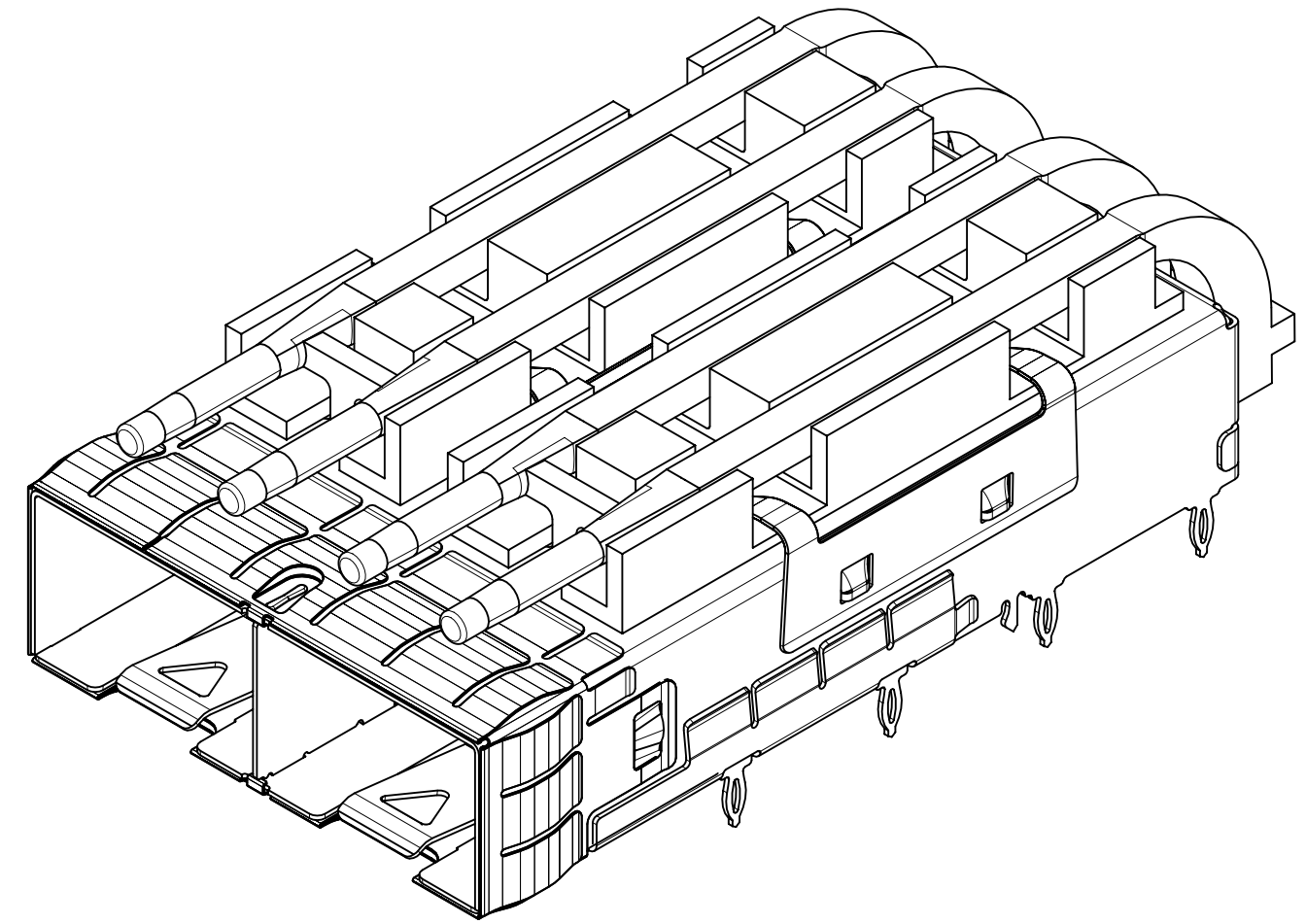
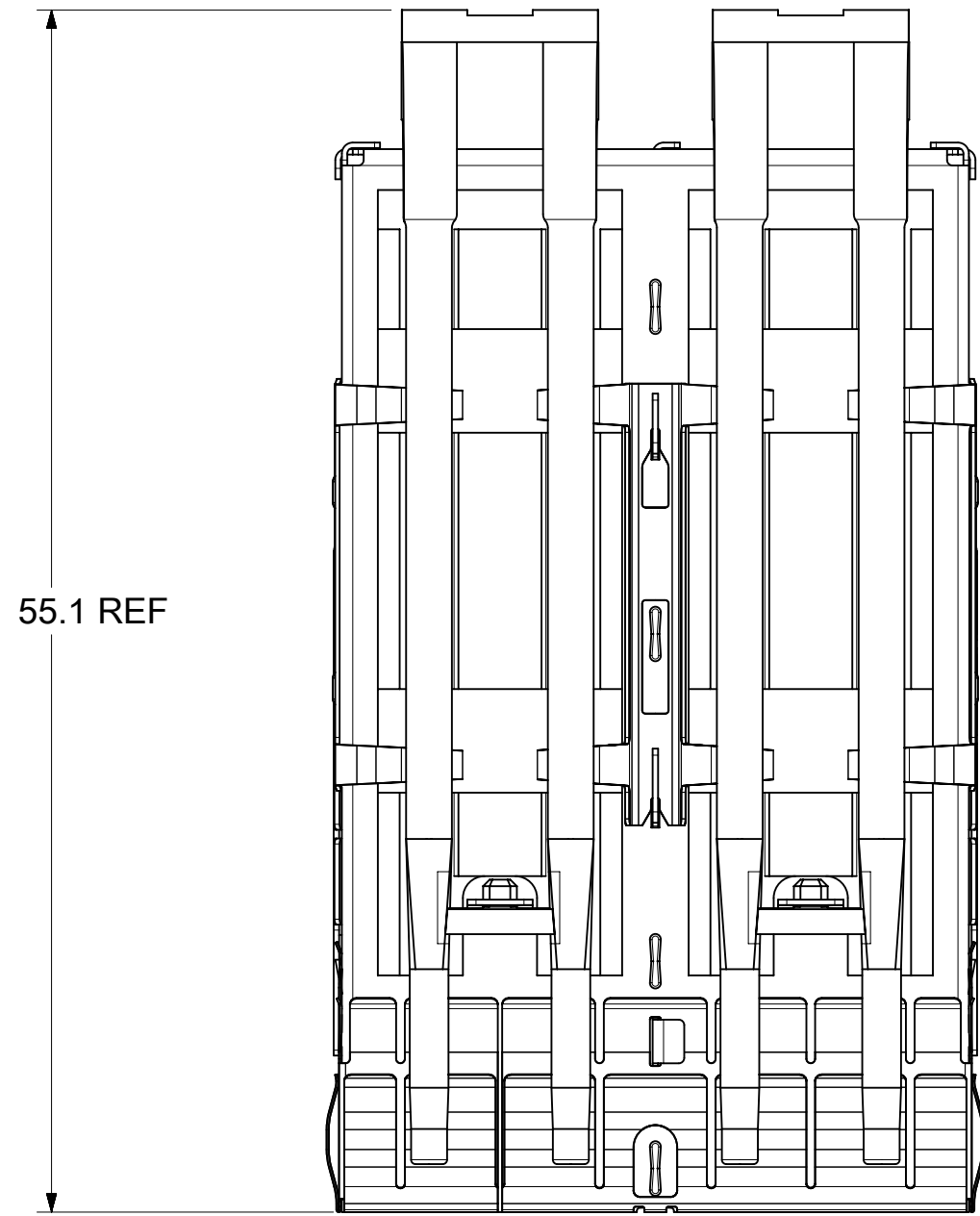
NOTE: HEIGHT OF HEATSINK WITH MODULE INSERTED DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

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: SEE REVISION TABLE		
	DIMENSION UNITS	SCALE			
= 0	mm	3:1			SFP+ 1X2 CAGE ASSY PRESS FIT TYPE W/ SUS SF, CUSTOM HEATSINK AND DUAL LP, BELLY TO BELLY MOUNTING
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
= 0	ANGULAR TOL ± 2.0°				PRODUCT CUSTOMER DRAWING
DIVISIONAL SYMBOLS	4 PLACES ±		EC NO: 707262	2022/04/12	
	3 PLACES ±		DRWN: ABHILT2	2022/05/26	
	2 PLACES ± 0.13		CHK'D: TKUMARKC	2022/05/27	
	1 PLACE ± 0.25		APPR: SCHIEN		
	0 PLACES ±		INITIAL REVISION:		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: ABHILT2	2022/04/12	DOCUMENT NUMBER
			APPR: SCHIEN	2022/05/27	111128283
			THIRD ANGLE PROJECTION	DRAWING	DOC TYPE
				C-SIZE	PSD
				SERIES	ASY
				111112	A
				MATERIAL NUMBER	DOC PART
				SEE P/N TABLE	REVISION
				CUSTOMER	
					SHEET NUMBER
					3 OF 9

# CAGE ASSEMBLY W/ HEAT SINK

111128285

SHOWN



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

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

NOTE: HEIGHT OF HEATSINK 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		
= 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE
= 0	mm	3:1	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	ANGULAR TOL ± 2.0°		
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 707262
	3 PLACES	±	DRWN: ABHILT2 2022/04/12
	2 PLACES	± 0.13	CHK'D: TKUMARKC 2022/05/26
	1 PLACE	± 0.25	APPR: SCHIEN 2022/05/27
	0 PLACES	±	INITIAL REVISION:
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
	THIRD ANGLE PROJECTION	DRAWING	SERIES
		C-SIZE	111112
	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	SEE P/N TABLE		4 OF 9

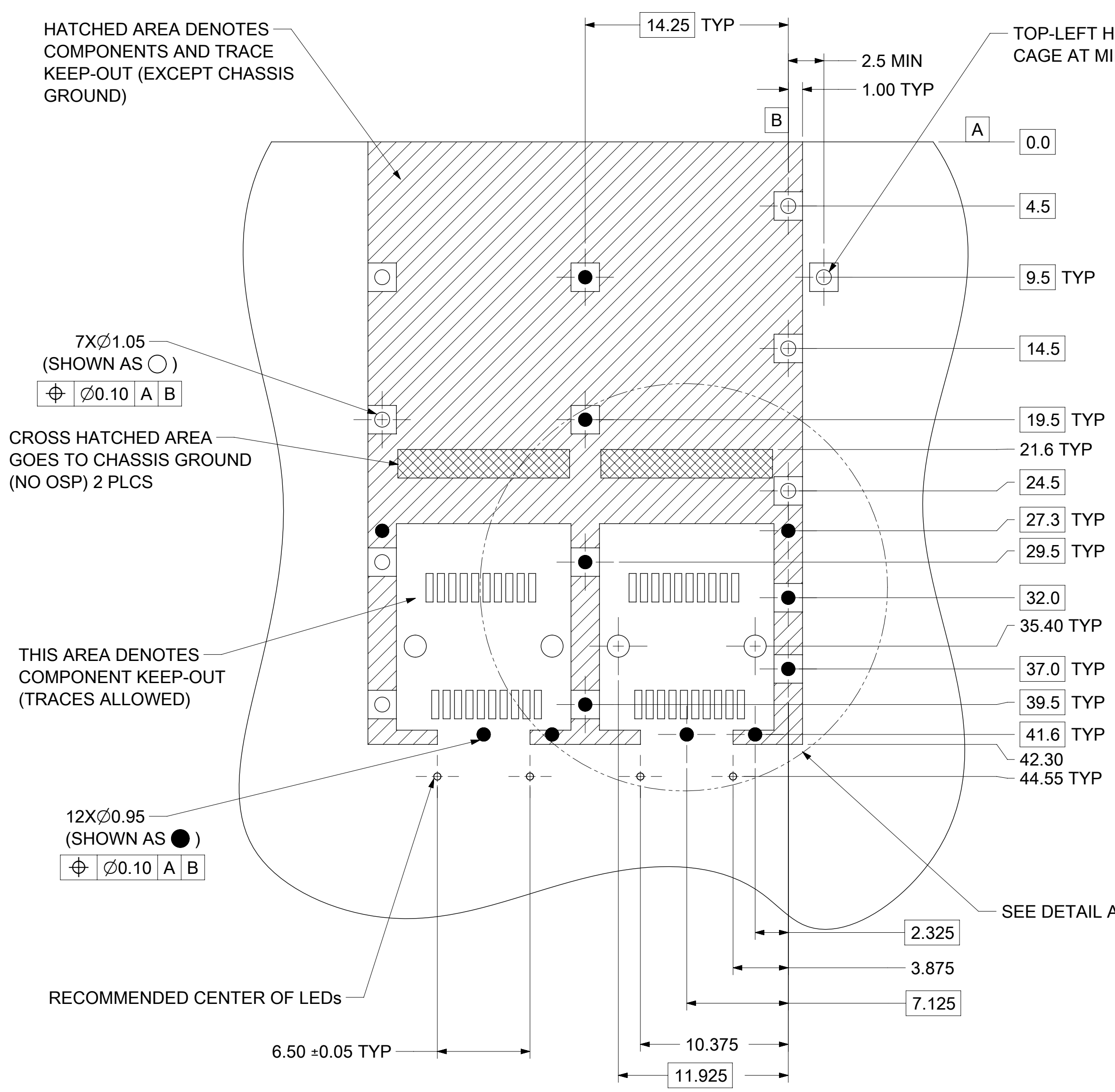
**molex**

SFP+ 1X2 CAGE ASSY PRESS FIT TYPE  
W/ SUS SF, CUSTOM HEATSINK AND DUAL LP, BELLY  
TO BELLY MOUNTING

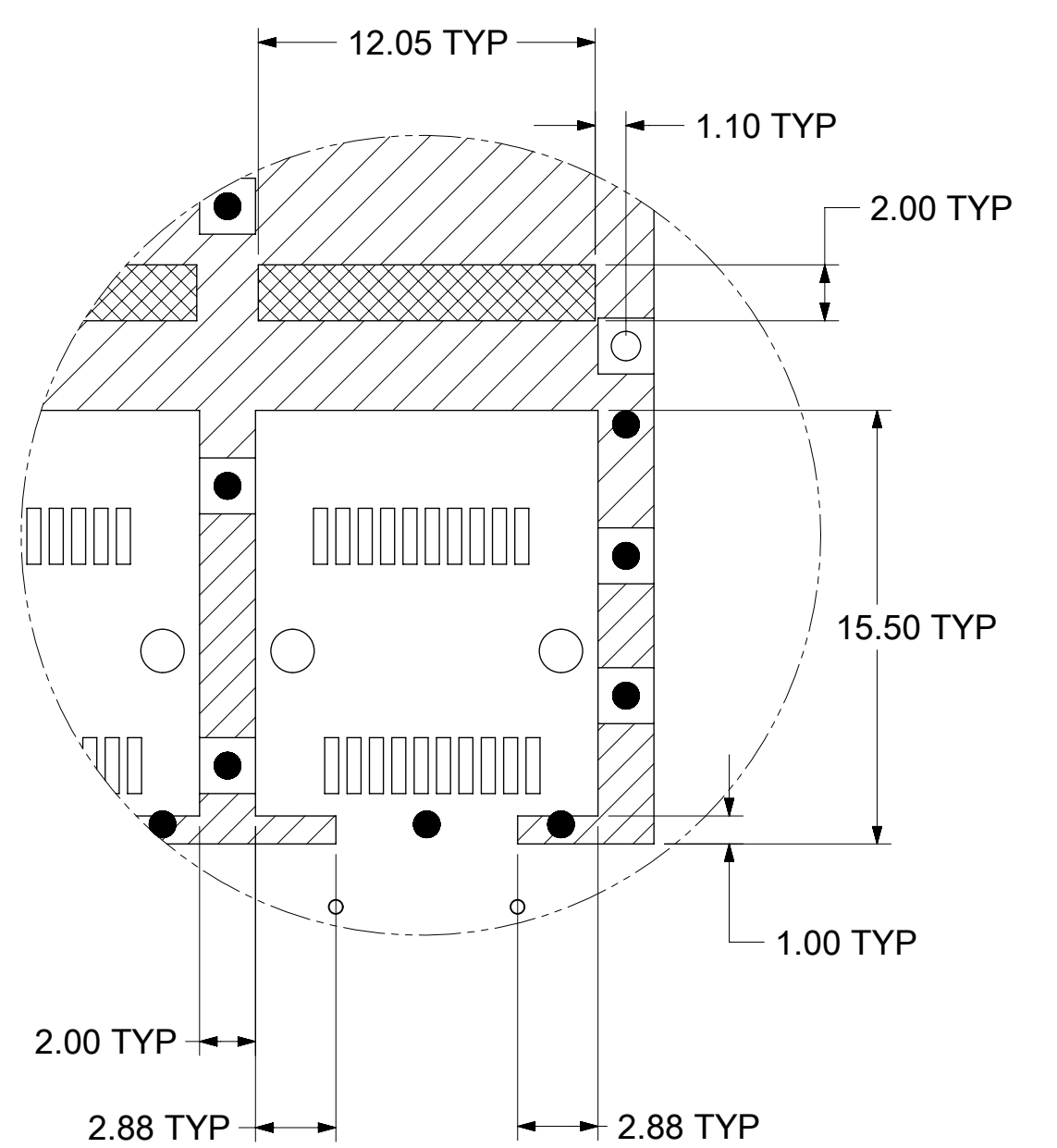
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
111128283	PSD	ASY	A

# PCB LAYOUT FOR SINGLE SIDE MOUNTING



## HOST CONNECTOR DETAIL

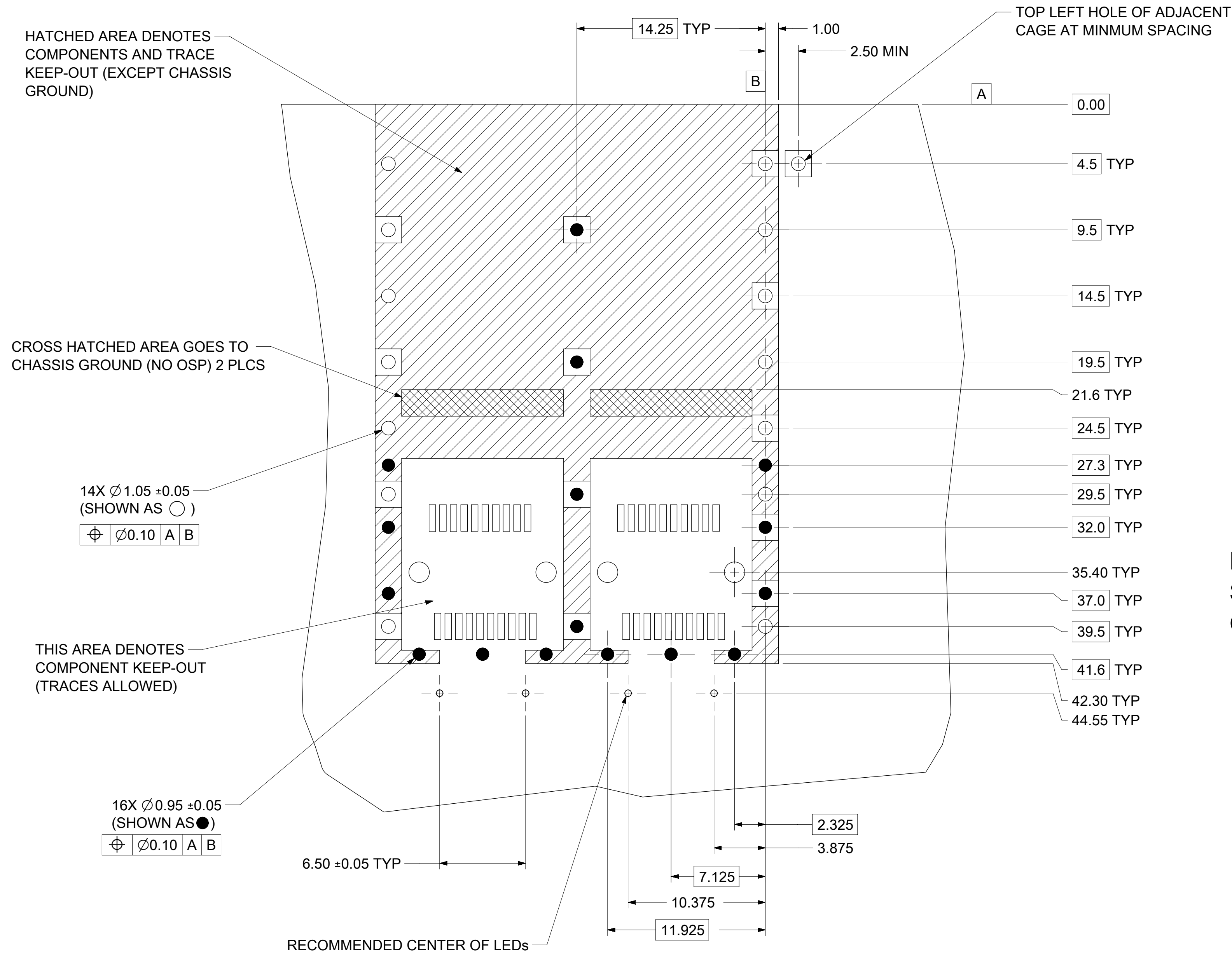


DETAIL A  
SCALE 4:1

- 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

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: SEE REVISION TABLE		
	$\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	DIMENSION UNITS: <b>mm</b> SCALE: <b>4:1</b>	GENERAL TOLERANCES (UNLESS SPECIFIED)		
DIVISIONAL SYMBOLS	ANGULAR TOL ± 2.0°		4 PLACES ±		2022/04/12 2022/05/26 2022/05/27
	3 PLACES ±		2 PLACES ± 0.13		INITIAL REVISION: DRWN: ABHILT2 APPR: SCHIEN
1 PLACE ± 0.25		0 PLACES ±		2022/04/12 2022/05/27	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: <b>111128283</b> 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 P/N TABLE CUSTOMER:
				SHEET NUMBER: 5 OF 9	

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



**NOTE:**  
SEE SHEET 5 FOR HOST CONNECTOR DETAIL

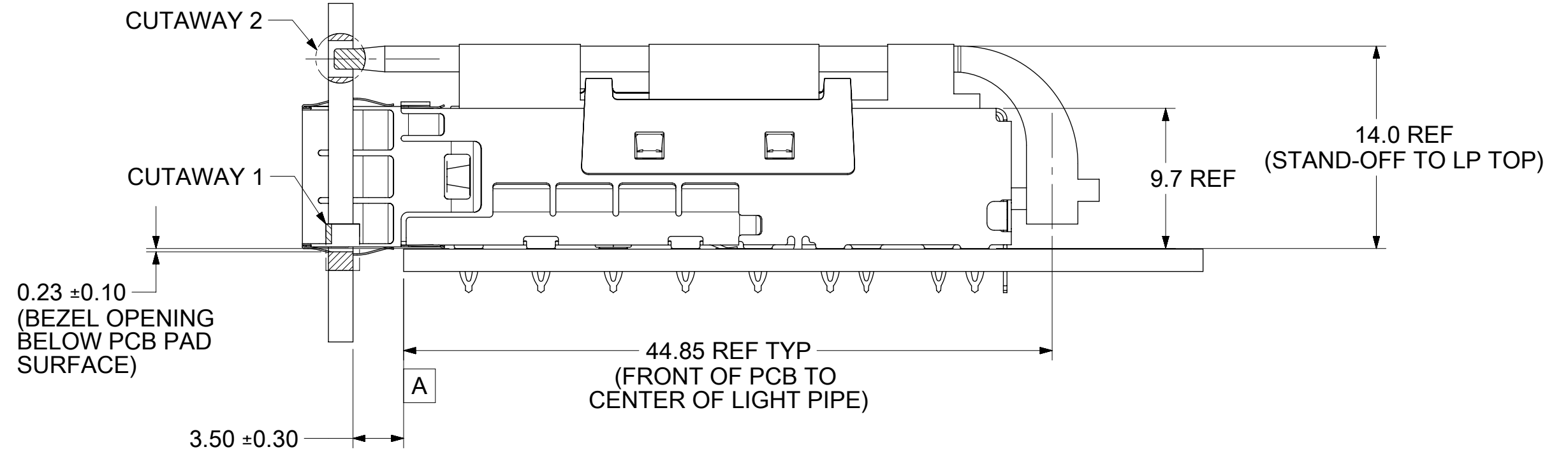
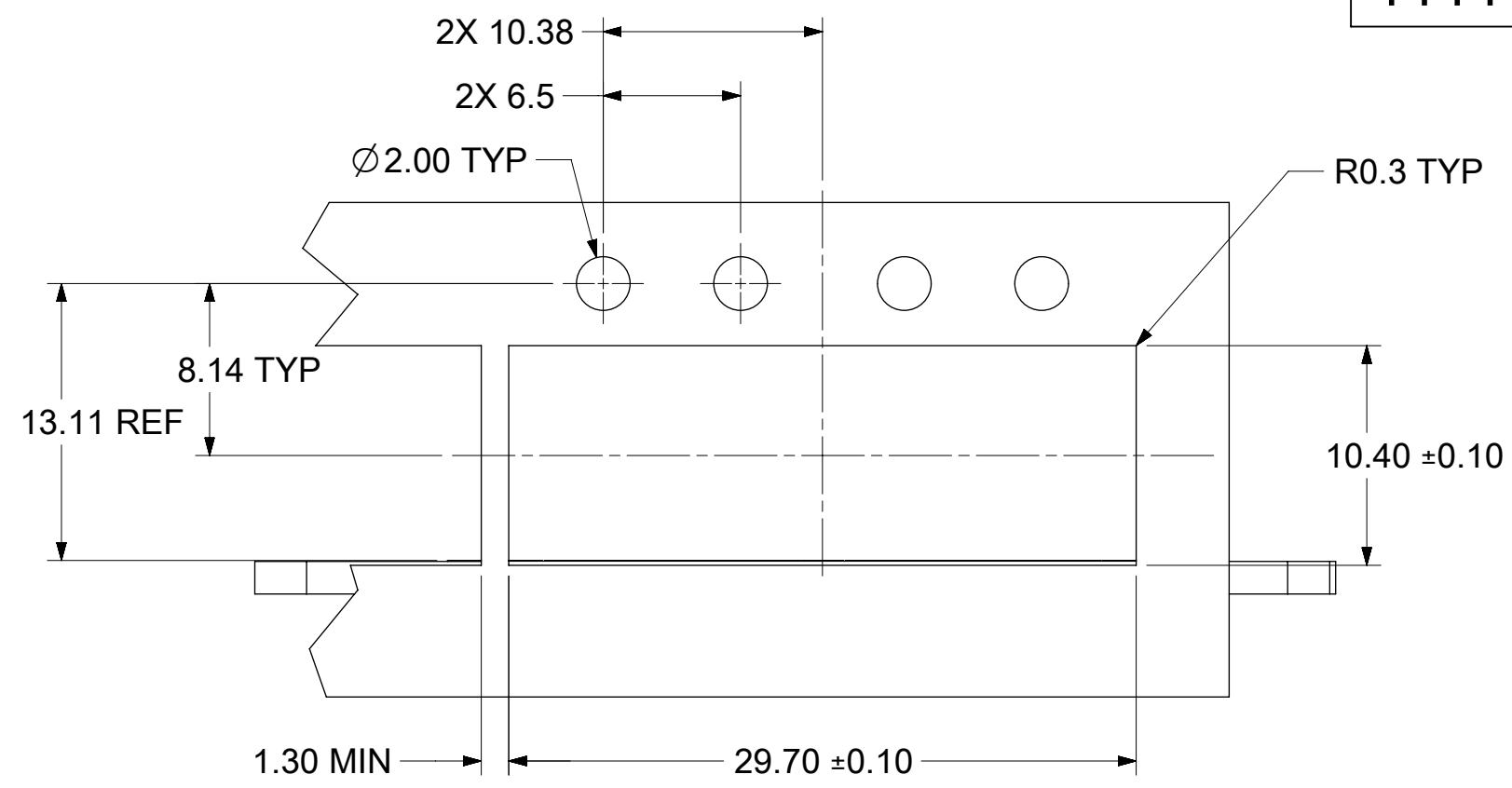
- NOTES:**
1. PADS AND VIAS CONNECT TO CHASSIS GROUND RECOMMEND PADS TO BE 2.00mm SQUARE
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
  3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  4. SPACING BETWEEN PORTS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

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: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$\frac{F}{A} = 0$	mm	4.5:1		
$\frac{E}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL ± 2.0°			
DIVISIONAL SYMBOLS	4 PLACES	±		
	3 PLACES	±		
	2 PLACES	± 0.13		
	1 PLACE	± 0.25		
0 PLACES	±			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	111112
DOCUMENT STATUS		DOC TYPE	DOC PART	REVISION
P1	RELEASE DATE	PSD	ASY	A
2022/05/27	10:20:27	111128283		
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE P/N TABLE				6 OF 9

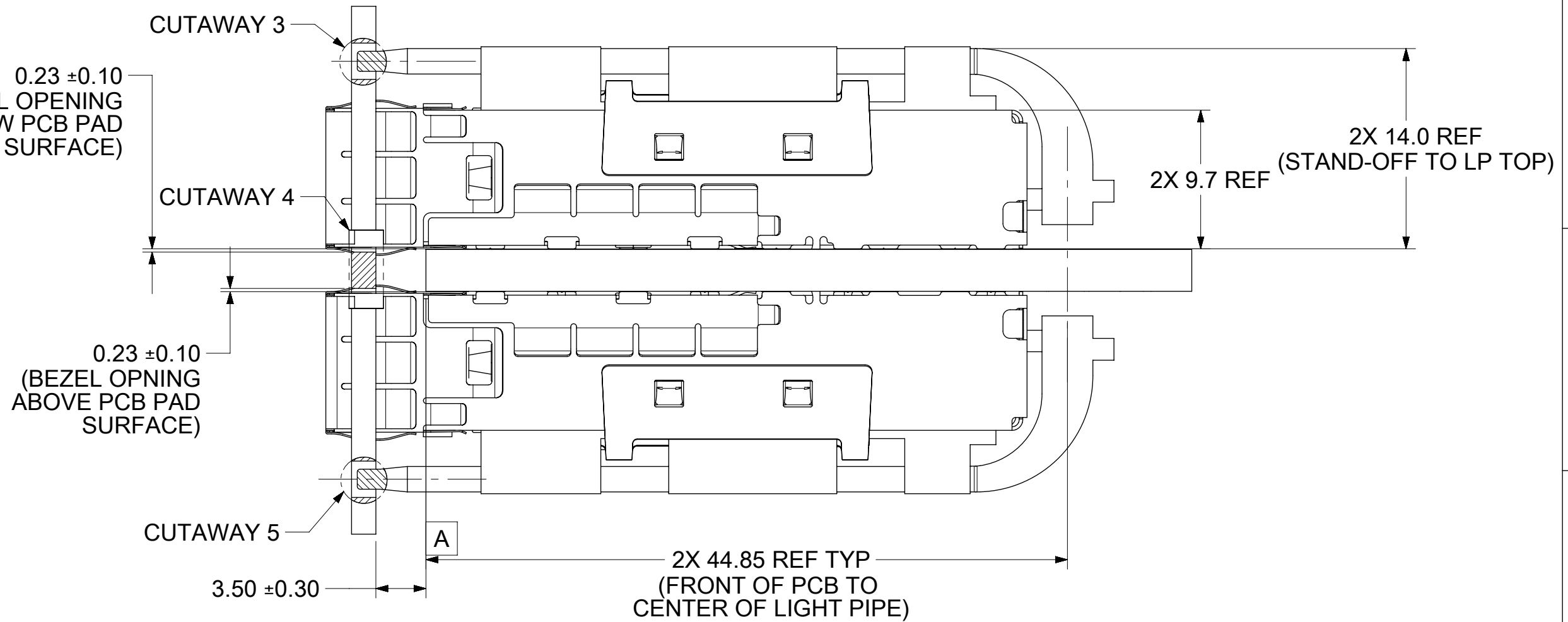
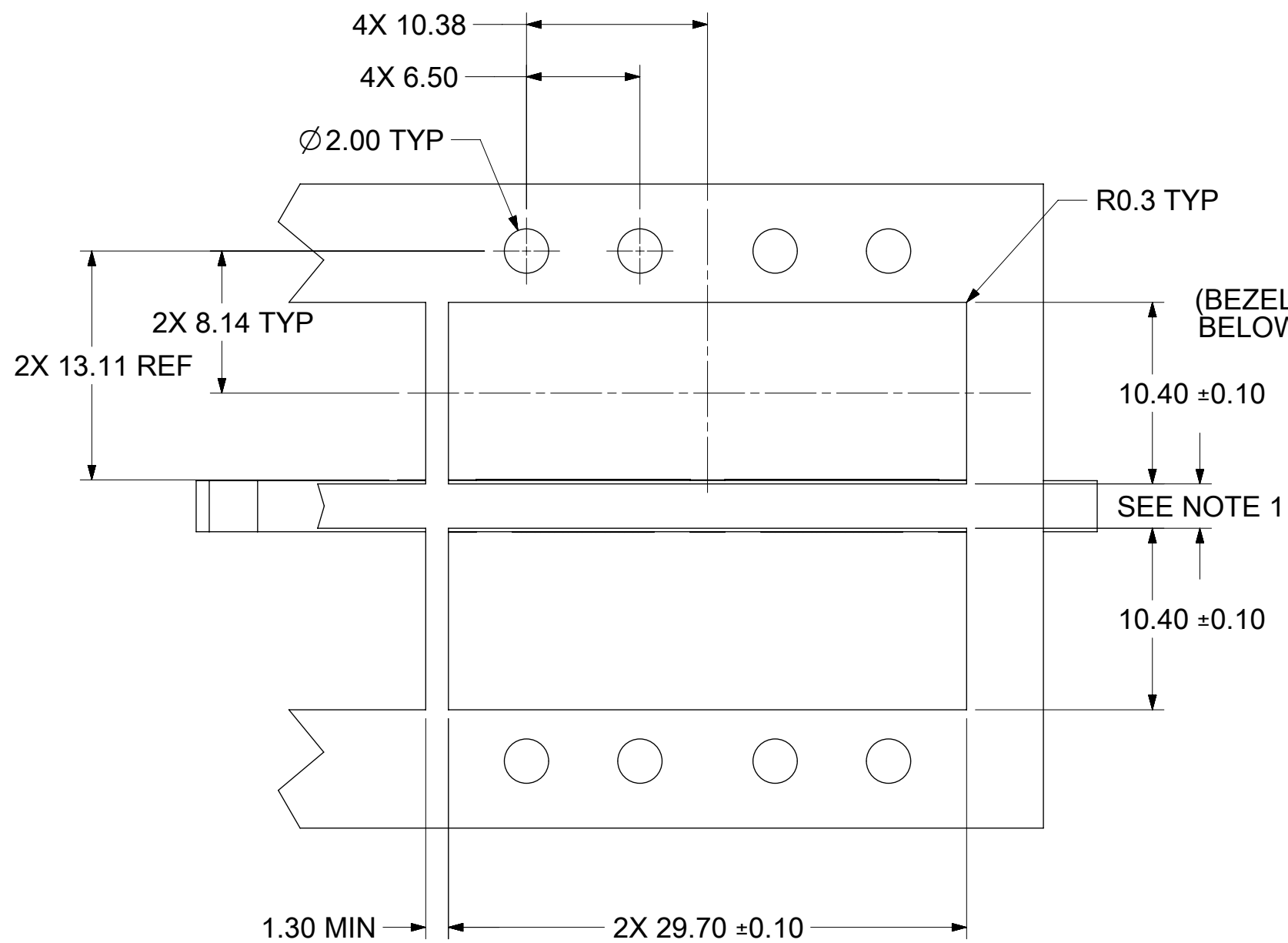
# BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

1111128283 & 1111128285

SHOWN



# BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



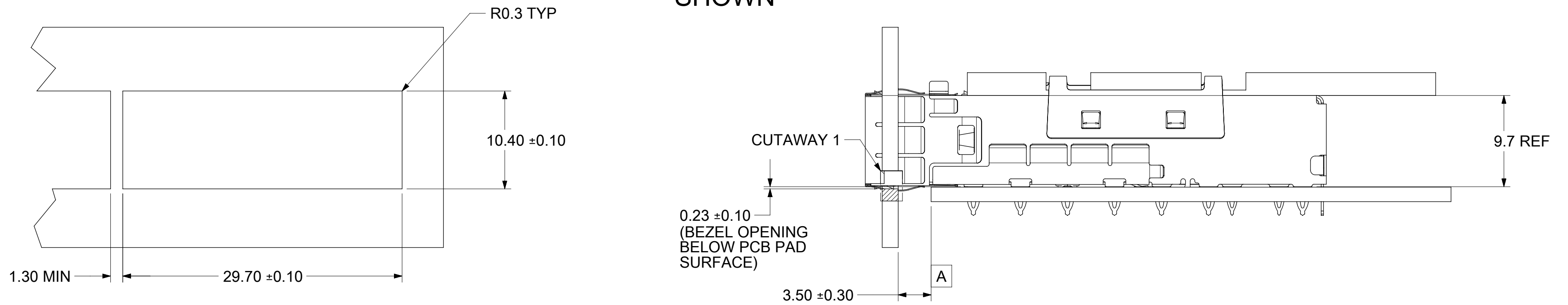
NOTE:  
1.PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

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: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$\nabla_A = 0$	mm	3:1		
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL $\pm 2.0^\circ$			
$\nabla_P = 0$	4 PLACES	$\pm$		
	3 PLACES	$\pm$		
DIVISIONAL SYMBOLS	2 PLACES	$\pm 0.13$		
	1 PLACE	$\pm 0.25$		
0 PLACES	$\pm$			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
		C-SIZE	111112	SEE P/N TABLE
EC NO: 707262		2022/04/12		DOCUMENT NUMBER
DRWN: ABHILT2		2022/05/26		
CHK'D: TKUMARKC		2022/05/27		DOC TYPE
APPR: SCHIEN				
INITIAL REVISION:				DOC PART
DRWN: ABHILT2		2022/04/12		
APPR: SCHIEN		2022/05/27		REVISION
1111128283		PSD	ASY	A
SEE P/N TABLE		CUSTOMER		SHEET NUMBER
				7 OF 9

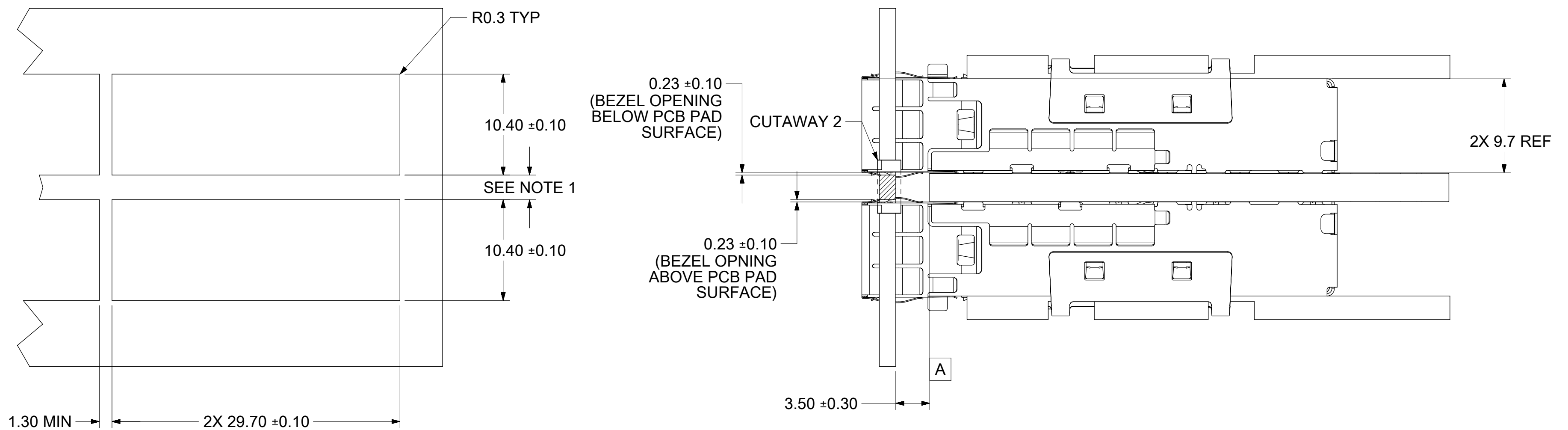
# BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

111128284

SHOWN



# BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



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: SEE REVISION TABLE			
FA = 0		mm		1:1		<b>molex</b> SFP+ 1X2 CAGE ASSY PRESS FIT TYPE W/ SUS SF, CUSTOM HEATSINK AND DUAL LP, BELLY TO BELLY MOUNTING PRODUCT CUSTOMER DRAWING			
FC = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)							
FP = 0		ANGULAR TOL ± 2.0°							
DIVISIONAL SYMBOLS		4 PLACES		±		EC NO: 707262		2022/04/12	
		3 PLACES		±		DRWN: ABHILT2		2022/05/26	
		2 PLACES		± 0.13		CHK'D: TKUMARKC		2022/05/27	
		1 PLACE		± 0.25		APPR: SCHIEN		INITIAL REVISION:	
		0 PLACES		±		DRWN: ABHILT2		2022/04/12	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES	
						C-SIZE		111112	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/27		10:20:27	
12		11		10		9		8	
7		6		5		4		3	
2		1		8 OF 9		SEE P/N TABLE		MATERIAL NUMBER	
CUSTOMER		111128283		DOC TYPE		PSD		DOC PART	
ASSEMBLY		ASY		REVISION		A			



