

P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. SEE TABLE BELOW FOR DATE CODE INFORMATION.

WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR
YR	22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22)

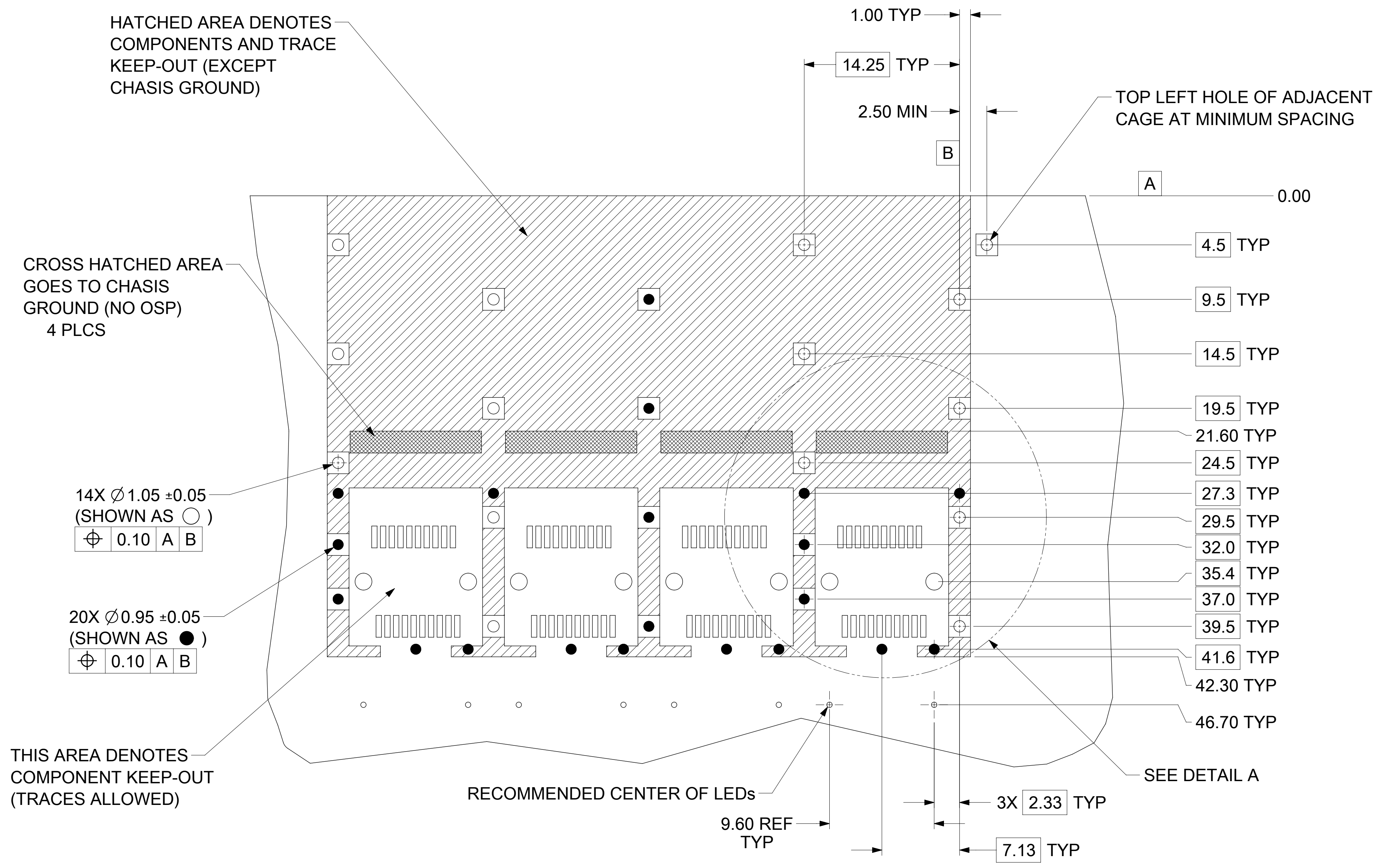
NOTES:

- MATERIAL:  
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm.  
SPRING FINGER: STAINLESS STEEL.  
LIGHT PIPE COVER: NICKEL PLATED COPPER ALLOY.  
LIGHT PIPE: POLYCARBONATE (94-V0 RATED)
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
- WELD SPOTS WILL SHOW SLIGHT DISCOLORATION.
- IT IS NOT RECOMMENDED TO PRESS ON LIGHT PIPES WHEN INSTALLING CAGE.
- NO RoHS EXEMPTIONS.

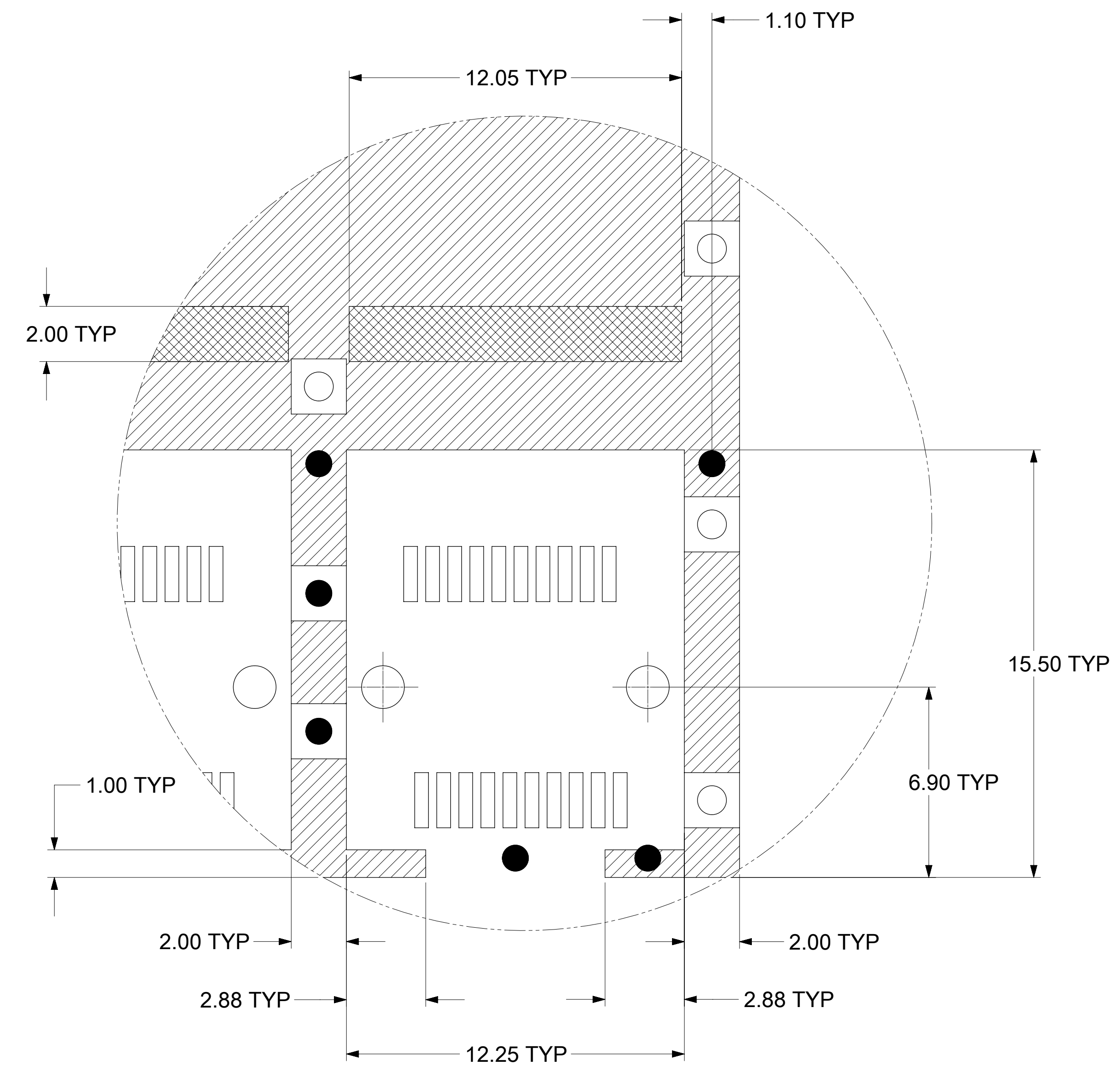
FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE	
	mm	SCALE 3:1	EC NO: 707054	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: PKH	2022/04/11
	ANGULAR TOL ± 1.0°		CHK'D: TKUMARKC	2022/05/20
4 PLACES ±		APPR: SCHIEN	2022/05/23	
3 PLACES ±		INITIAL REVISION:		
2 PLACES ± 0.15		DRWN: PKH	2022/04/11	
1 PLACE ± 0.25		APPR: SCHIEN	2022/05/23	
0 PLACES ±		THIRD ANGLE PROJECTION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING D-SIZE	SERIES 100114	MATERIAL NUMBER 1001148902
		CUSTOMER	SHEET NUMBER 1 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/23	11:20:24
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# PCB LAYOUT FOR SINGLE SIDED MOUNTING



# HOST CONNECTOR DETAILS



DETAIL A  
SCALE 8:1

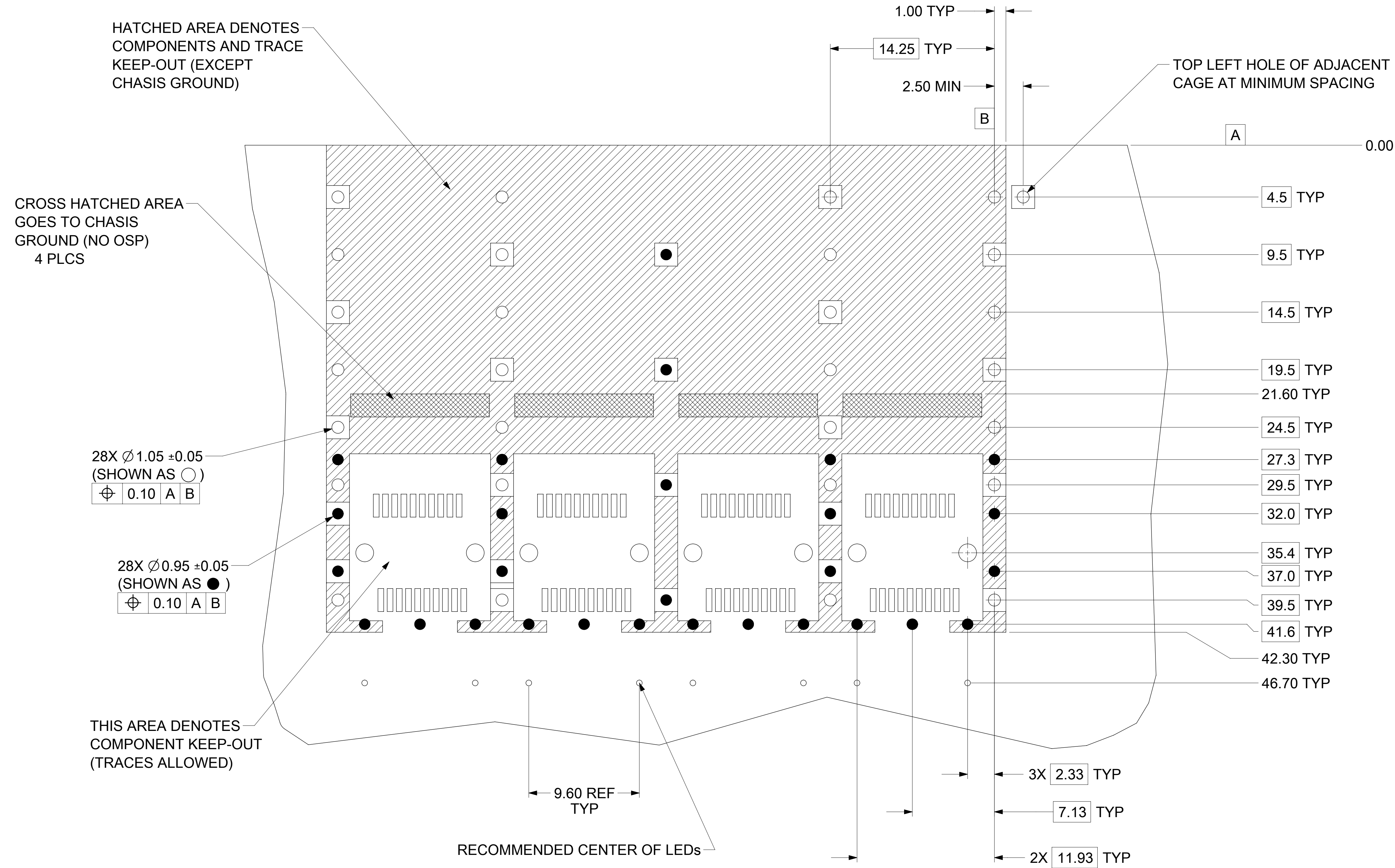
LAYOUT APPLIES TO EACH PORT

### NOTES:

- PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
- RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
- CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 170382. OR EQUIVALENT.
- HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
- 1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED MOUNTING USE.

<b>FUNCTIONAL SYMBOLS</b> 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		DIMENSION UNITS: <b>mm</b> SCALE: <b>4:1</b>		CURRENT REV DESC: SEE REVISION TABLE		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 1.0°		EC NO: 707054 DRWN: PKH 2022/04/11 CHK'D: TKUMARKC 2022/05/20 APPR: SCHIEN 2022/05/23		
	4 PLACES ±		3 PLACES ±		INITIAL REVISION: DRWN: PKH 2022/04/11 APPR: SCHIEN 2022/05/23		
	2 PLACES ± 0.15		1 PLACE ± 0.25		DOCUMENT NUMBER: <b>1001148902</b> DOC TYPE: PSD DOC PART: ASY REVISION: A		
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: <b>D-SIZE</b> SERIES: <b>100114</b> MATERIAL NUMBER: 1001148902 CUSTOMER:	
SHEET NUMBER: <b>2 OF 5</b>							

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



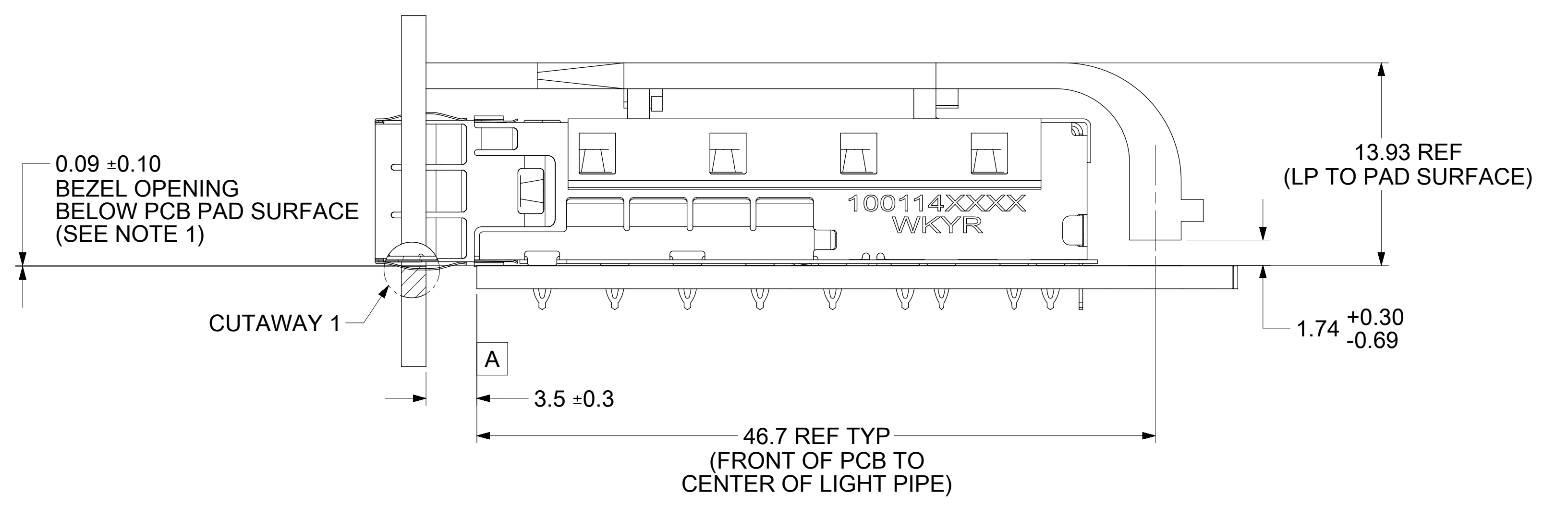
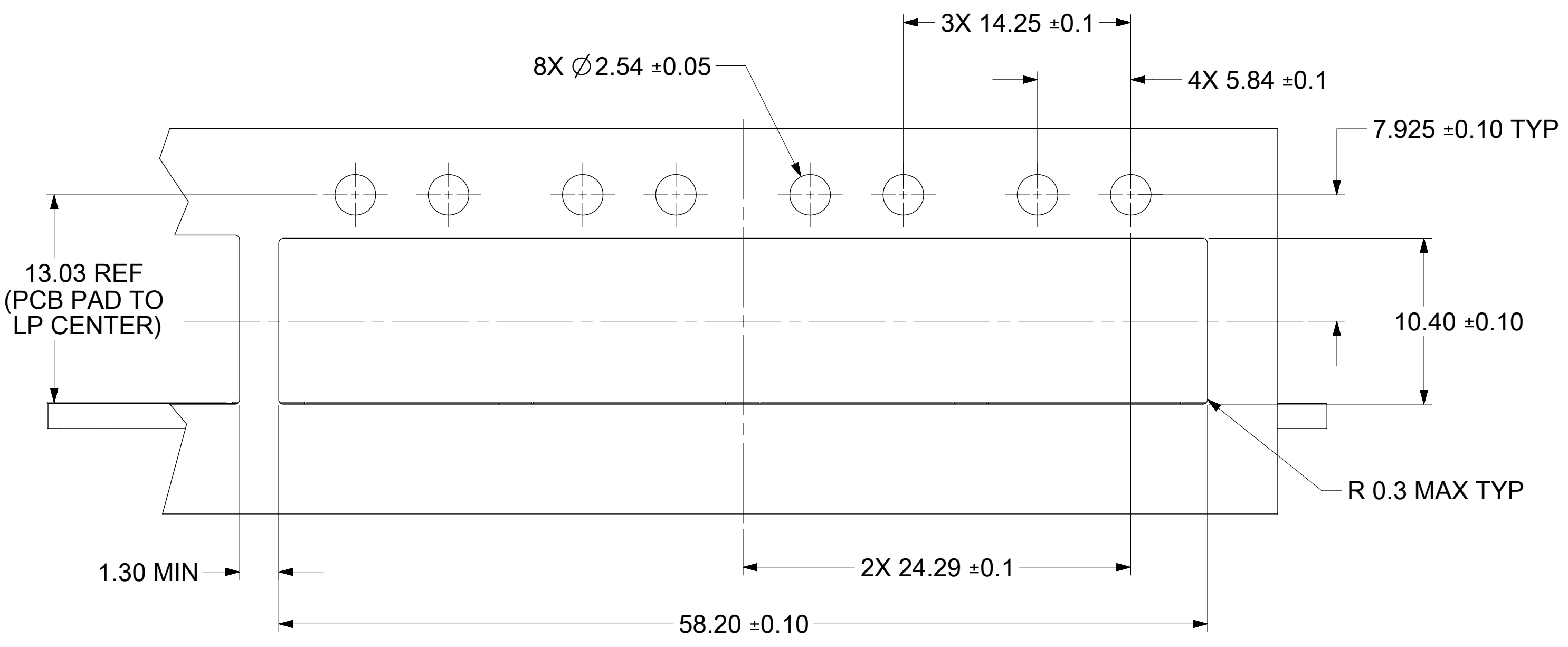
**NOTE:**  
 SEE SHEET 2 FOR  
 HOST CONNECTOR DETAIL  
 AND LED LOCATION DETAILS

**NOTES:**

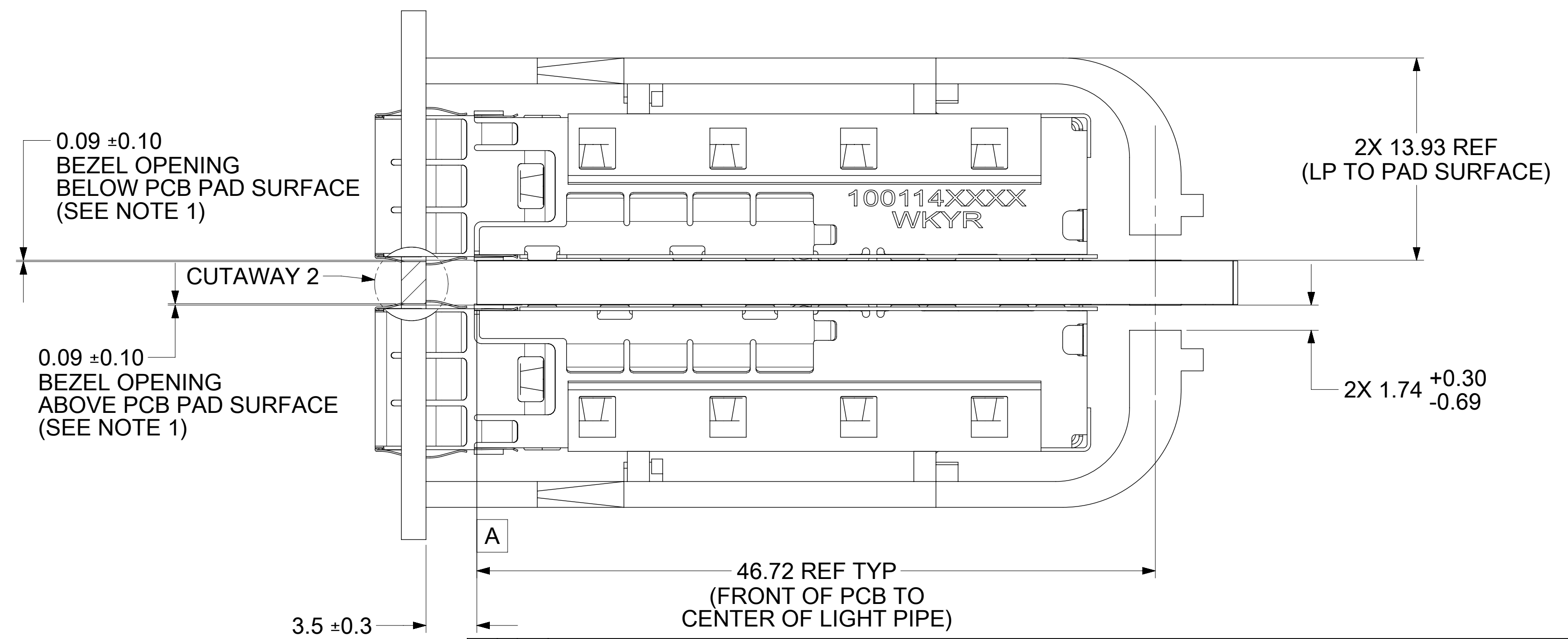
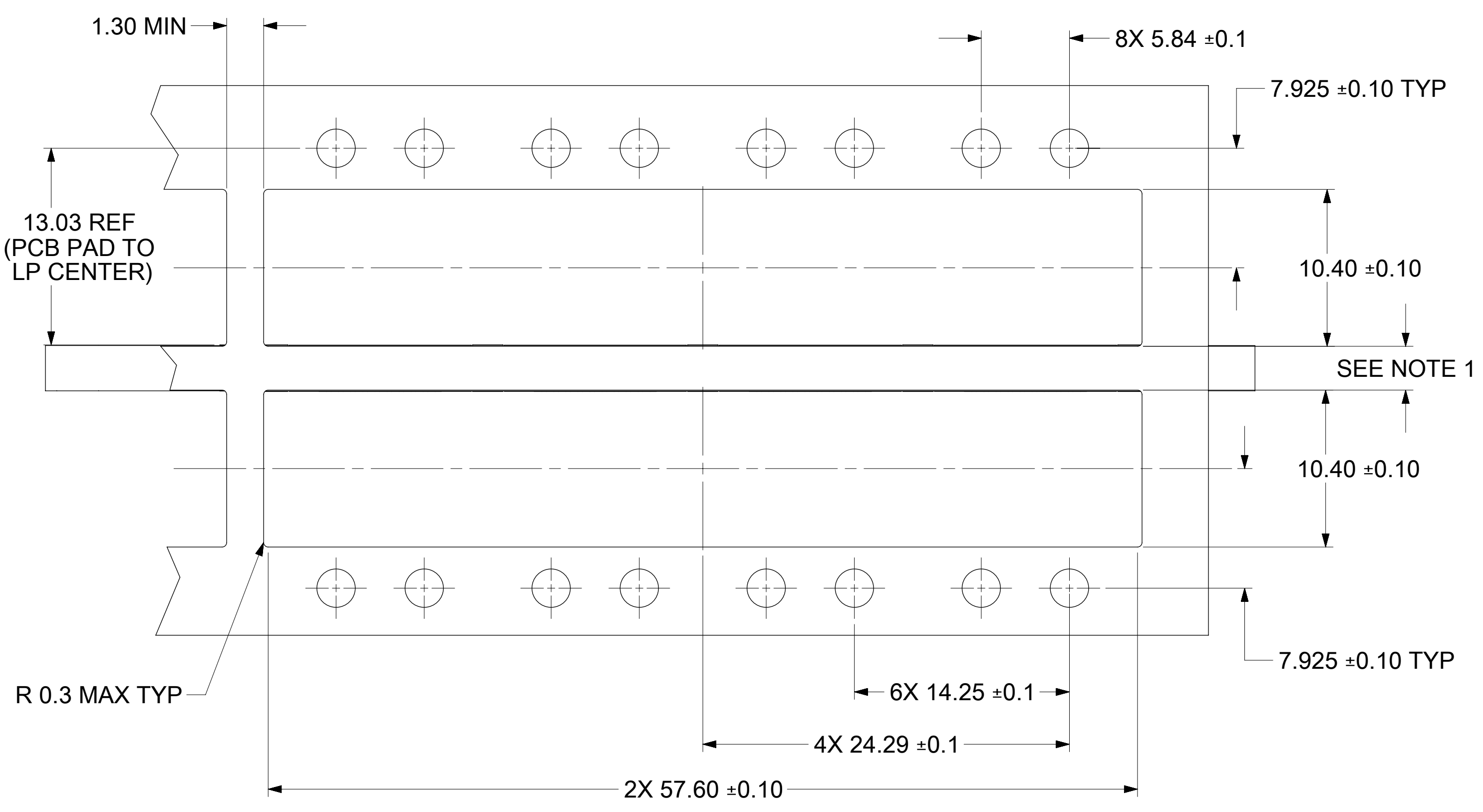
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 170382. OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. 3.00 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: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$\nabla_A = 0$	mm	5:1		
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$\nabla_P = 0$	ANGULAR TOL $\pm 1.0^\circ$			
DIVISIONAL SYMBOLS	4 PLACES	$\pm$		
	3 PLACES	$\pm$		
	2 PLACES	$\pm 0.15$		
	1 PLACE	$\pm 0.25$		
	0 PLACES	$\pm$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			D-SIZE	100114
DOCUMENT STATUS		DOCUMENT NUMBER	MATERIAL NUMBER	CUSTOMER
P1	1001148902	1001148902		
RELEASE DATE	DOC TYPE	DOC PART	REVISION	
2022/05/23 11:20:24	PSD	ASY	A	
SHEET NUMBER		3 OF 5		

## BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



## BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING


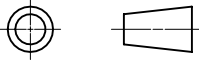


NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION

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											
$F_A = 0$	mm	4:1	EC NO: 707054 DRWN: PKH 2022/04/11 CHK'D: TKUMARKC 2022/05/20 APPR: SCHIEN 2022/05/23 INITIAL REVISION: DRWN: PKH 2022/04/11 APPR: SCHIEN 2022/05/23											
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)													
$F_P = 0$	ANGULAR TOL $\pm 1.0^\circ$													
DIVISIONAL SYMBOLS	4 PLACES	$\pm$												
	3 PLACES	$\pm$	PRODUCT CUSTOMER DRAWING											
	2 PLACES	$\pm 0.15$	DOCUMENT NUMBER			DOC TYPE			DOC PART			REVISION		
	1 PLACE	$\pm 0.25$	1001148902			PSD			ASY			A		
	0 PLACES	$\pm$	MATERIAL NUMBER			CUSTOMER			SHEET NUMBER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	100114		1001148902		4 OF 5					

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/23	11:20:24
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DATE	REV	DESCRIPTION
2022/05/20	A	INITIAL RELEASE

FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$	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		 ZSFP+ GEN2 1X4 CAGE ASSY PRESS FIT TYPE, W/SUS SPRING FINGER, UNDERBELLY GASKET & CUSTOM LIGHT PIPE	
	DIMENSION UNITS: <b>mm</b>	SCALE: <b>1:1</b>	EC NO: 707054		
	GENERAL TOLERANCES (UNLESS SPECIFIED)			DRWN: PKH 2022/04/11	
	ANGULAR TOL $\pm$ 1.0°			CHK'D: TKUMARKC 2022/05/20	
4 PLACES $\pm$			APPR: SCHIEN 2022/05/23		
3 PLACES $\pm$			INITIAL REVISION:		
2 PLACES $\pm$ 0.15			DRWN: PKH 2022/04/11		
1 PLACE $\pm$ 0.25			APPR: SCHIEN 2022/05/23		
0 PLACES $\pm$			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION 		DRAWING <b>D-SIZE</b>	SERIES <b>100114</b>	MATERIAL NUMBER <b>1001148902</b>	CUSTOMER
DOCUMENT STATUS: P1			RELEASE DATE: 2022/05/23 11:20:24	SHEET NUMBER: 5 OF 5	