

PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED IN APPROXIMATE AREA SHOWN:  
 DATE CODE:  
 WK = WEEK OF THE YEAR 01 THROUGH 52 (OR 53)  
 YR = LAST TWO DIGITS OF THE YEAR (EXAMPLE 2013 = 13)

NOTES:

- MATERIAL:  
 CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm  
 SPRING FINGERS: STAINLESS STEEL.
- PRESS FIT LEGS 2.28mm [.090 INCH] LONG  
 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE  
 2.28mm [.090 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS
- RoHS COMPLIANT, NO EXEMPTIONS.
- WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION

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	EC NO: 707270			SFP+ 1X6 PCI CAGE ASSY, PRESS FIT TYPE, W/ SUS EMI SPRING FINGER
	mm	3:1	DRWN: PKH	2022/04/14		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		3 PLACES ±	CHK'D: TKUMARKC		2022/05/26
ANGULAR TOL ± °		2 PLACES ±	APPR: SCHIEN	2022/06/01	PRODUCT CUSTOMER DRAWING	
DIVISIONAL SYMBOLS		1 PLACE ±	INITIAL REVISION:		DOCUMENT NUMBER	
		0 PLACES ±	DRWN: PKH	2022/04/14	747547620	
			APPR: SCHIEN	2022/06/01	PSD ASY A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	
			D-SIZE	74754	747547620	
					CUSTOMER	
					SHEET NUMBER	
					1 OF 5	

# PCB LAYOUT FOR SINGLE SIDE MOUNT

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

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 6 PLCS

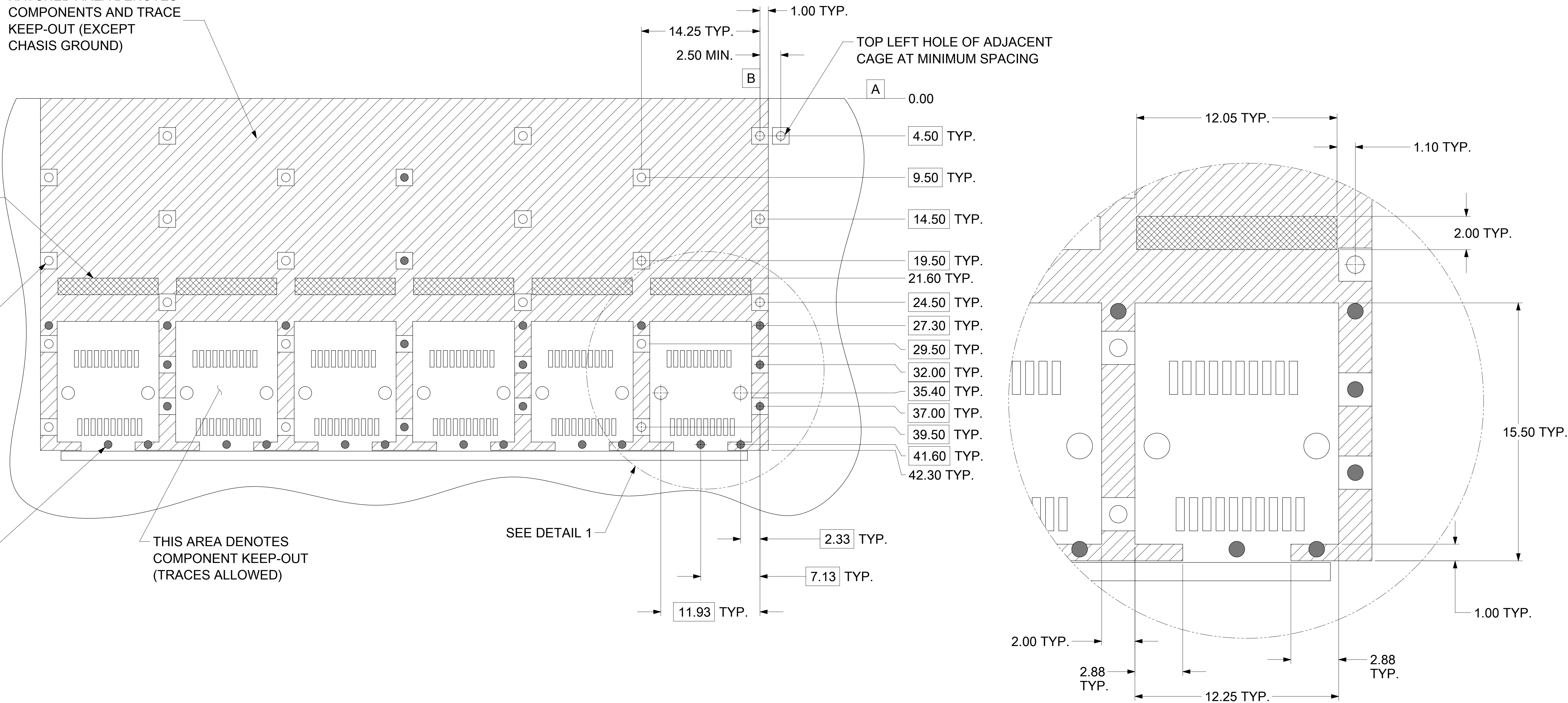
21X  $\varnothing 1.05 \pm 0.05$   
[0.041±0.002]  
(SHOWN AS  $\oplus$ )  
 $\oplus$  0.05 A B

28X  $\varnothing 0.95 \pm 0.05$   
[0.037±0.002]  
(SHOWN AS  $\bullet$ )  
 $\bullet$  0.05 A B

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

SEE DETAIL 1

TOP LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING



DETAIL 1  
SCALE 8:1  
HOST CONNECTOR DETAIL

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 74441 OR EQUIVALENT.
- HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

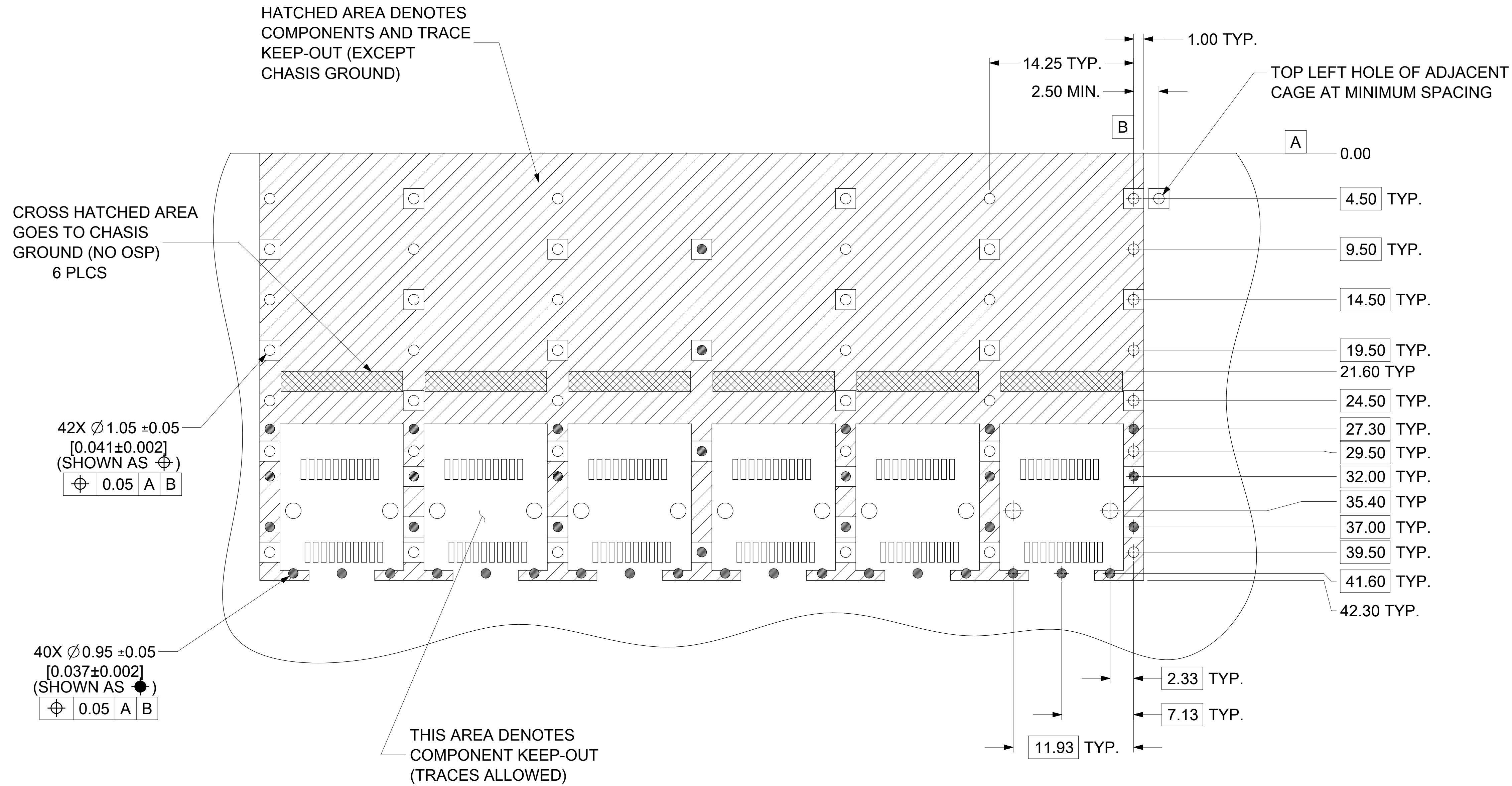
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE
$\nabla_A = 0$	mm	4:1	
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		
	ANGULAR TOL	±	°
$\nabla_C = 0$	4 PLACES	±	
$\nabla_D = 0$	3 PLACES	±	
	2 PLACES	±	
	1 PLACE	±	
	0 PLACES	±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES
	$\oplus$ $\square$	D-SIZE	74754
		MATERIAL NUMBER	CUSTOMER
		747547620	
		DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
		747547620	PSD ASY A
			SHEET NUMBER
			2 OF 5

**molex**

SFP+ 1X6 PCI CAGE ASSY, PRESS FIT TYPE, W/ SUS EMI SPRING FINGER

PRODUCT CUSTOMER DRAWING

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING

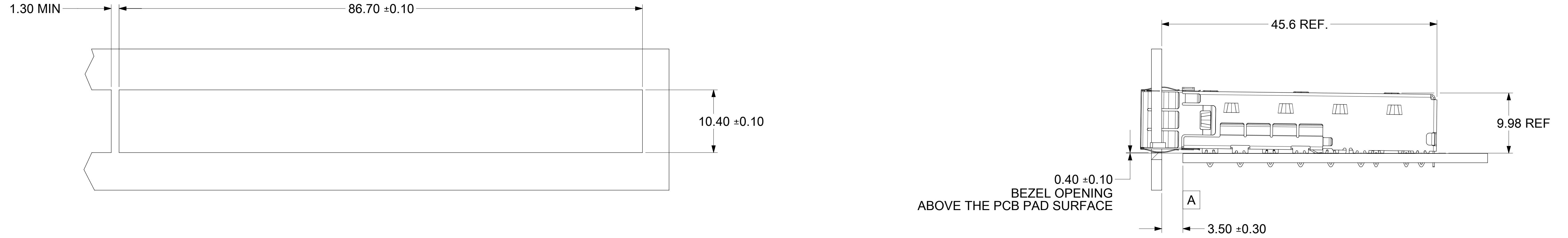


**NOTES:**

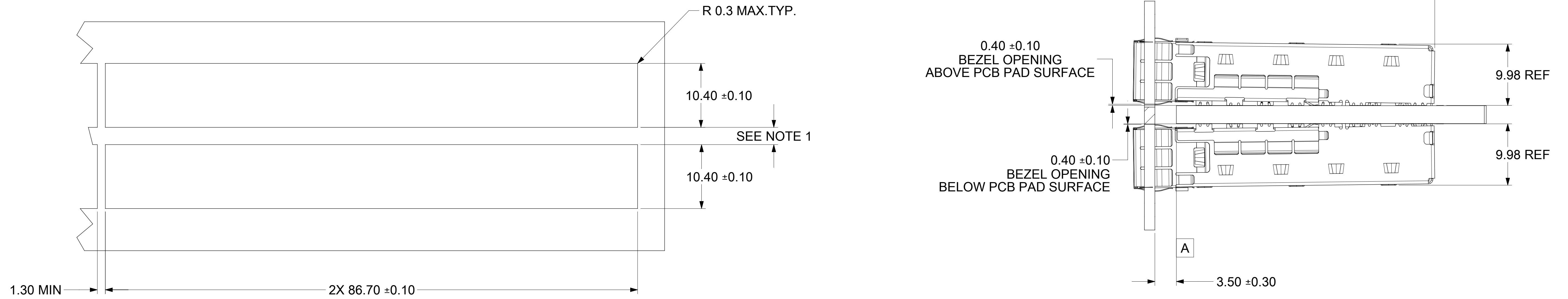
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. 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		
	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE
$F_A = 0$	mm	4:1	<p><b>molex</b></p> <p>SFP+ 1X6 PCI CAGE ASSY, PRESS FIT TYPE, W/ SUS EMI SPRING FINGER</p> <p>PRODUCT CUSTOMER DRAWING</p>
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$F_P = 0$	ANGULAR TOL ± °		
	4 PLACES	±	
DIVISIONAL SYMBOLS	3 PLACES	±	EC NO: 707270 DRWN: PKH 2022/04/14 CHK'D: TKUMARKC 2022/05/26 APPR: SCHIEN 2022/06/01
	2 PLACES	±	INITIAL REVISION:
	1 PLACE	±	DRWN: PKH 2022/04/14
	0 PLACES	±	APPR: SCHIEN 2022/06/01
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: D-SIZE SERIES: 74754 MATERIAL NUMBER: 747547620 CUSTOMER:
DOCUMENT STATUS	P1	RELEASE DATE	2022/06/01 06:40:53
19	18	17	16
15	14	13	12
11	10	9	8
7	6	5	4
3	2	1	
SHEET NUMBER		3 OF 5	

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



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



NOTE:

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

<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$ <b>DIVISIONAL SYMBOLS</b>	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										
	mm		3:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)										EC NO: 707270 DRWN: PKH 2022/04/14 CHK'D: TKUMARKC 2022/05/26 APPR: SCHIEN 2022/06/01				
	ANGULAR TOL ± °														
4 PLACES ±				INITIAL REVISION:						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
3 PLACES ±				DRWN: PKH 2022/04/14						<b>747547620</b>		PSD	ASY	A	
2 PLACES ±				APPR: SCHIEN 2022/06/01											
1 PLACE ±				DRWN: PKH 2022/04/14						<b>747547620</b>		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
0 PLACES ±				APPR: SCHIEN 2022/06/01											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		74754		747547620				4 OF 5	

REV	DATE	DESCRIPTION
A	2022/05/25	INITIAL RELEASE

<b>FUNCTIONAL SYMBOLS</b> FA = 0 FC = 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>3:1</b>	CURRENT REV DESC: SEE REVISION TABLE																		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± °		EC NO: 707270		DRWN: PKH 2022/04/14					SFP+ 1X6 PCI CAGE ASSY, PRESS FIT TYPE, W/ SUS EMI SPRING FINGER												
<b>DIVISIONAL SYMBOLS</b>	4 PLACES ±		3 PLACES ±		2 PLACES ±		1 PLACE ±		0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: <b>D-SIZE</b>		SERIES: <b>74754</b>		MATERIAL NUMBER: <b>747547620</b>		CUSTOMER:		SHEET NUMBER: <b>5 OF 5</b>	
	INITIAL REVISION:		DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/05/26		APPR: SCHIEN 2022/06/01		DOCUMENT NUMBER: <b>747547620</b>		DOC TYPE: PSD		DOC PART: ASY		REVISION: A		PRODUCT CUSTOMER DRAWING			
	DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/05/26		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01			
	DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/05/26		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01		EC NO: 707270		DRWN: PKH 2022/04/14		APPR: SCHIEN 2022/06/01			

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/01	06:40:53
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