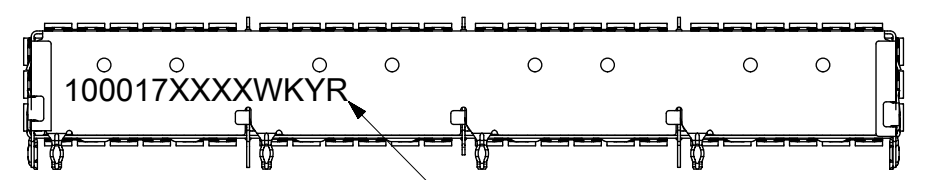
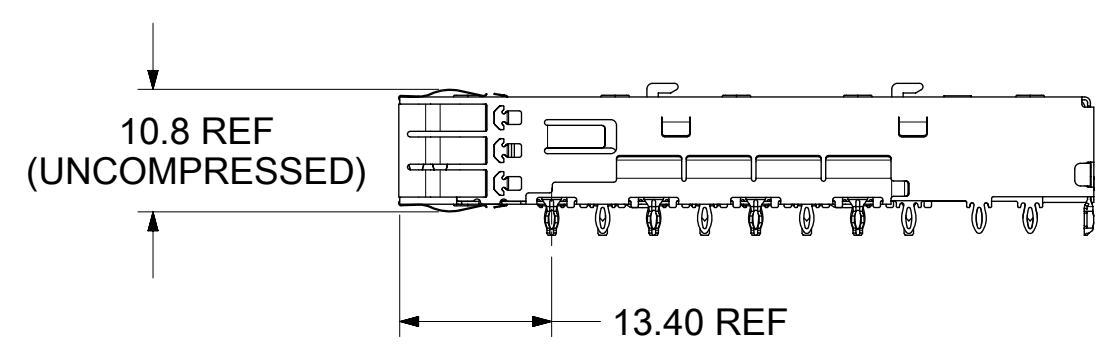
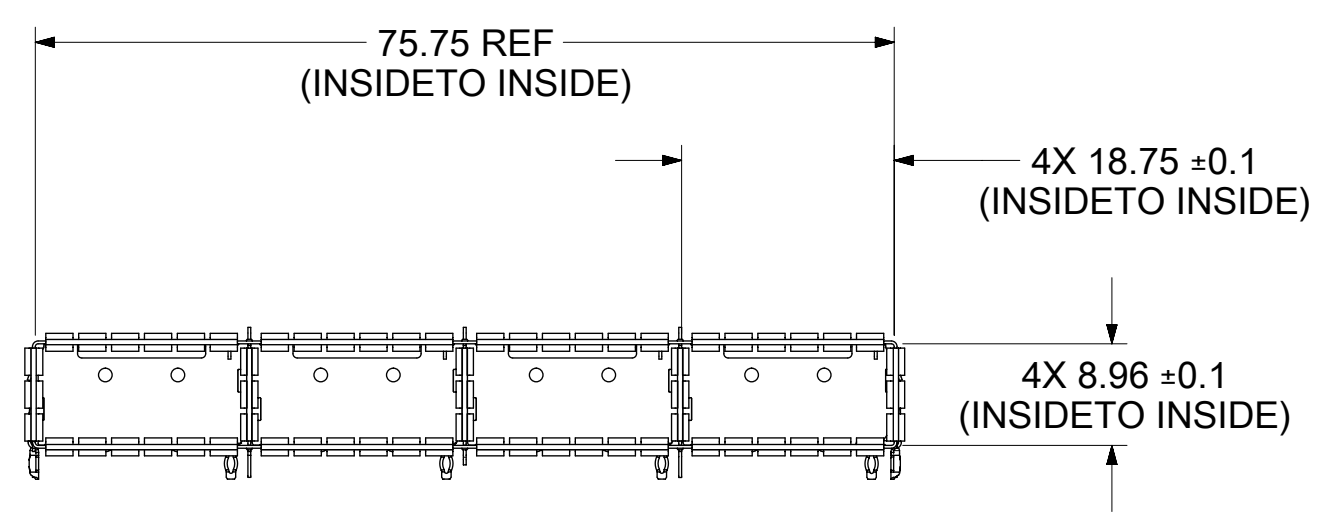
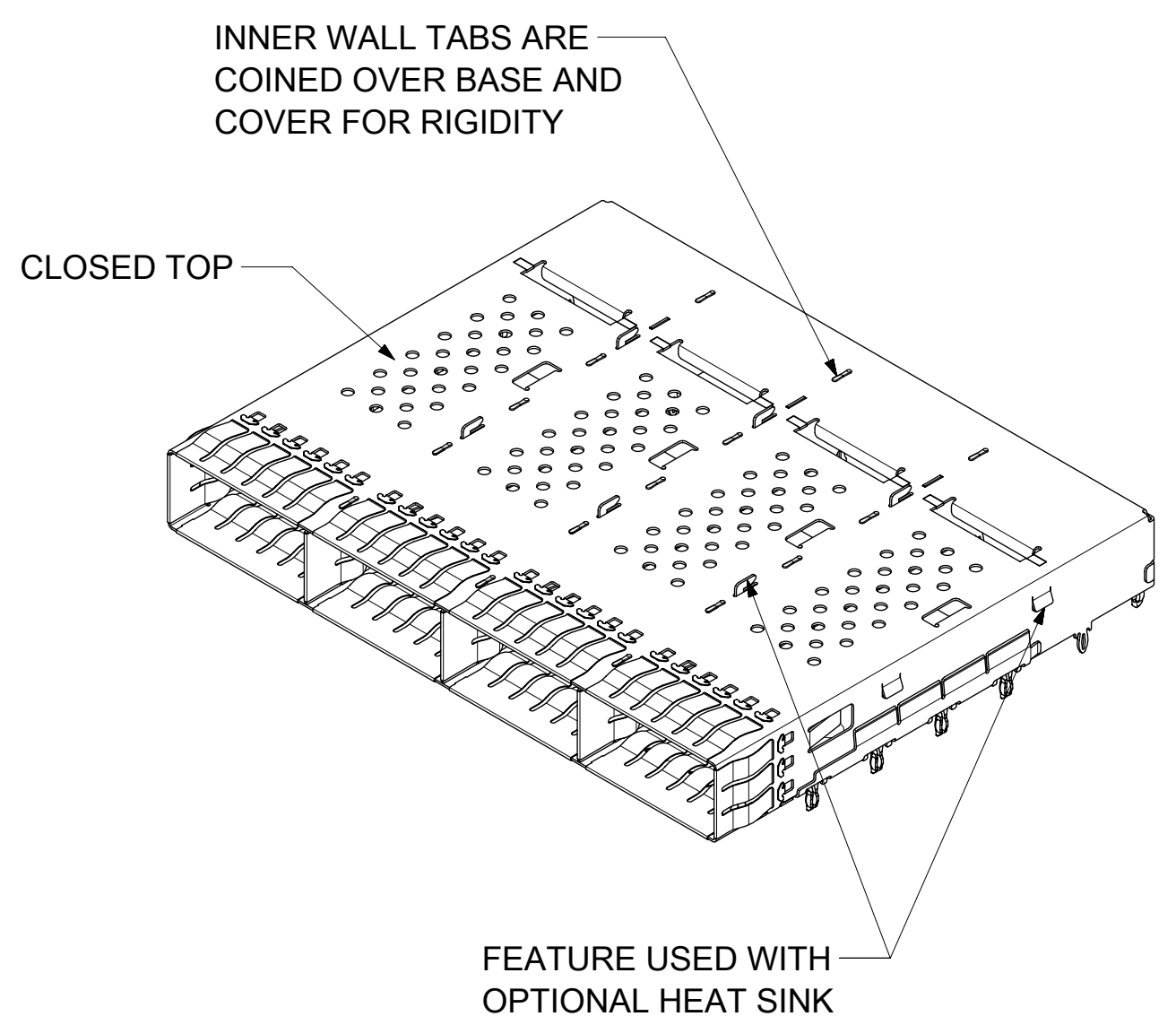
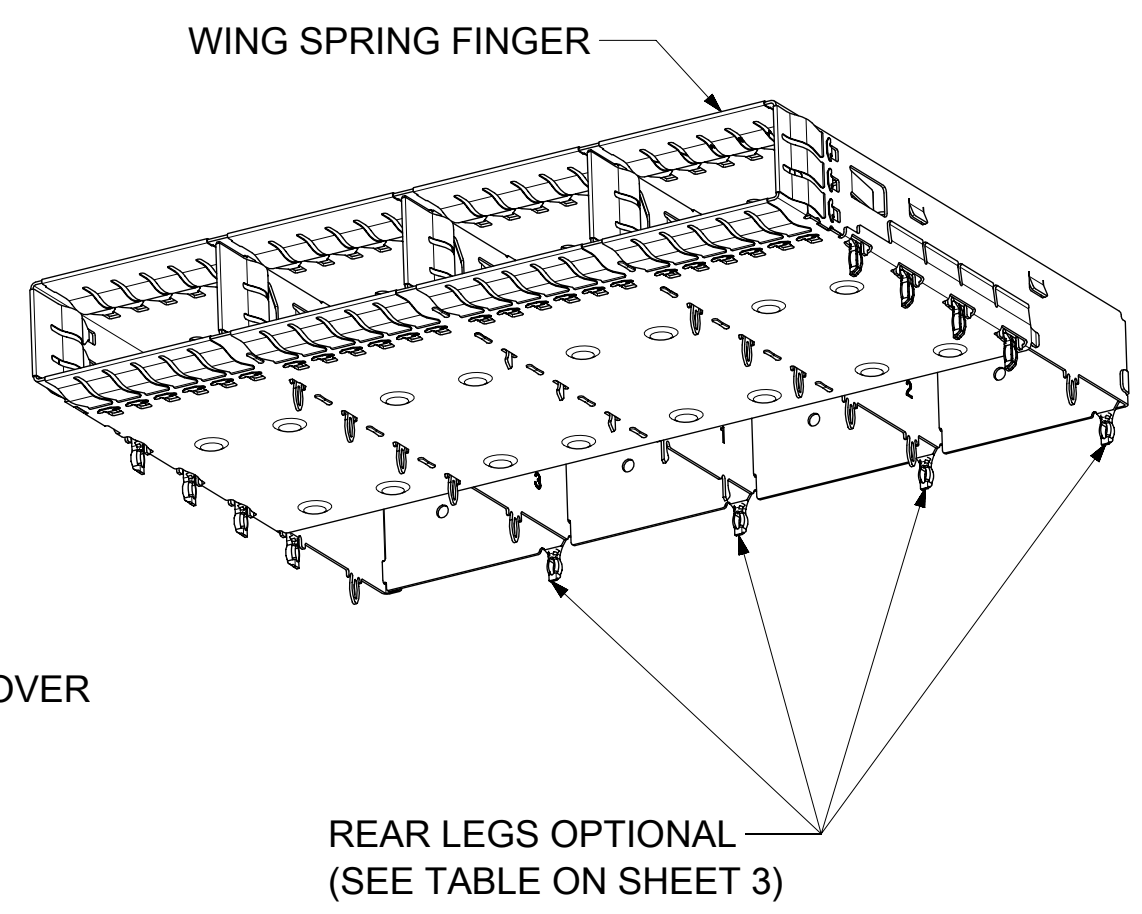
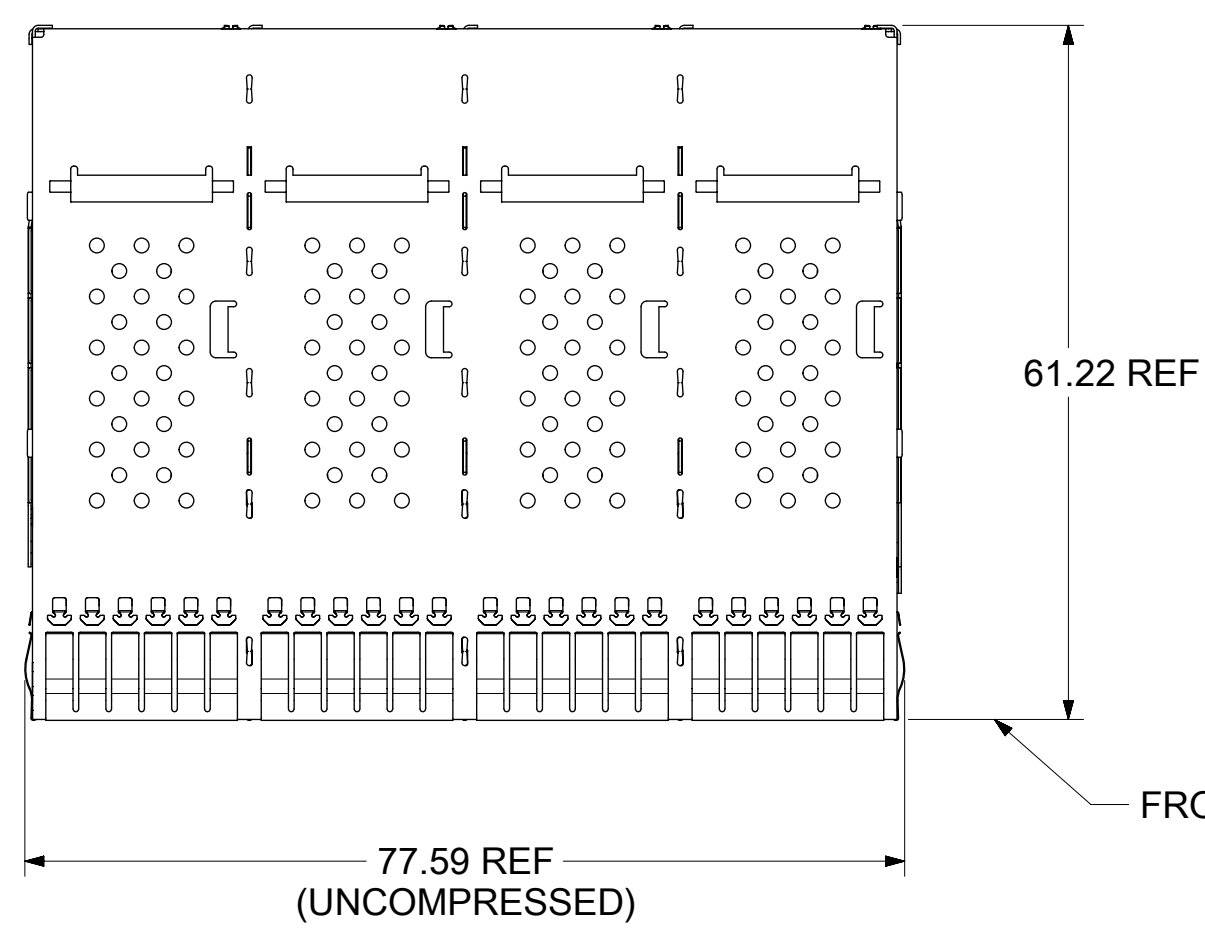


BASE CAGE DETAILS SHOWN



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON BACK 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
YP	16, 17, 18 ETC.. (EXAMPLE: YEAR 2016= 16)

- NOTES:**
- MATERIAL: CAGE: STAINLESS STEEL
 CENTER WALLS: STAINLESS STEEL
 WING SPRING FINGERS: STAINLESS STEEL
 HEAT SINKS: NICKEL PLATED ALUMINUM
 HEAT SINK CLIP: STAINLESS STEEL
 LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
 - DRAWING APPLIES TO ALL P/N'S SHOWN ON PAGE 3
 - DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED USING APPROPRIATE GO - NO GO GAGE
 - DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS ARE CORRECT, USE SHEETS 3, 4 AND 5
 - PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC WI-HP-7-2774 (CLASS B UNLESS OTHERWISE SPECIFIED)
 - PRESS-FIT LEGS 2.44 LONG -
 1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
 2.70 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - NO RoHS EXEMPTIONS

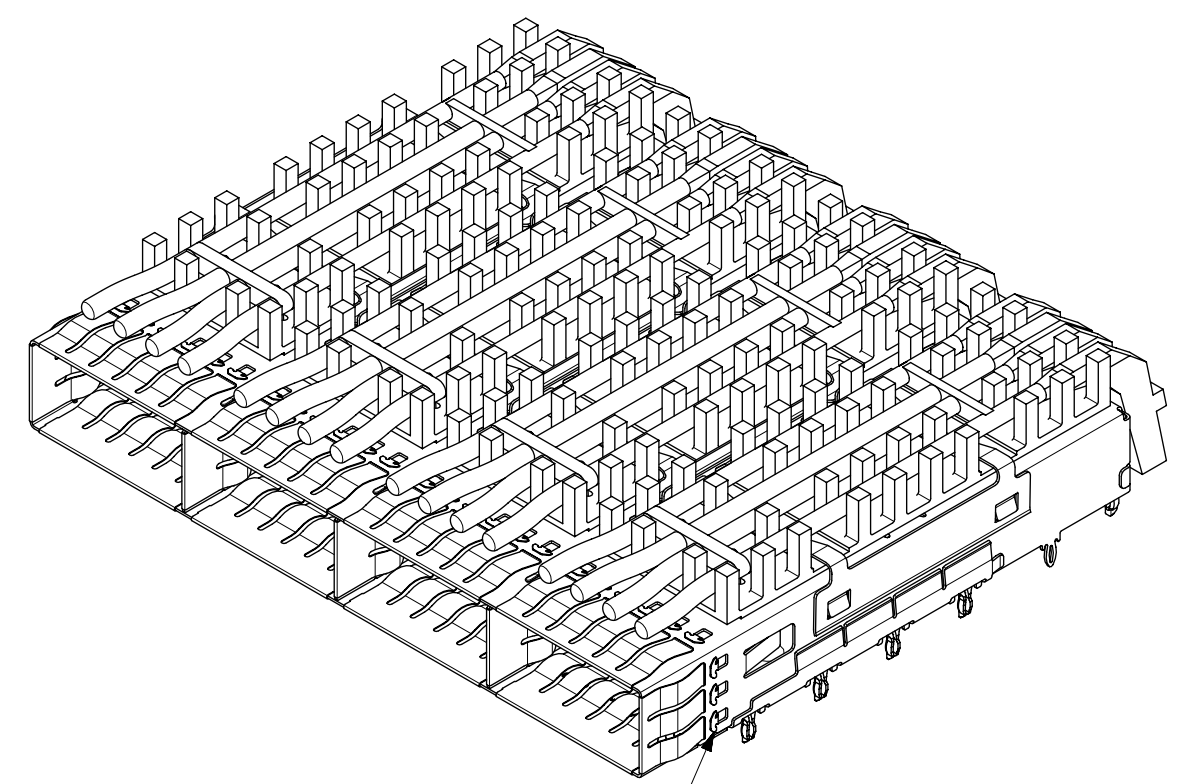
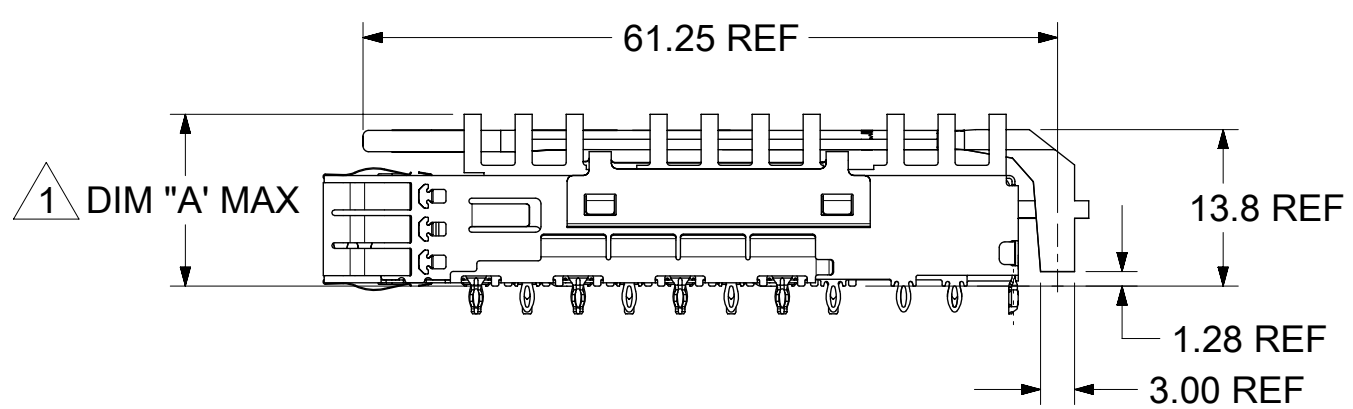
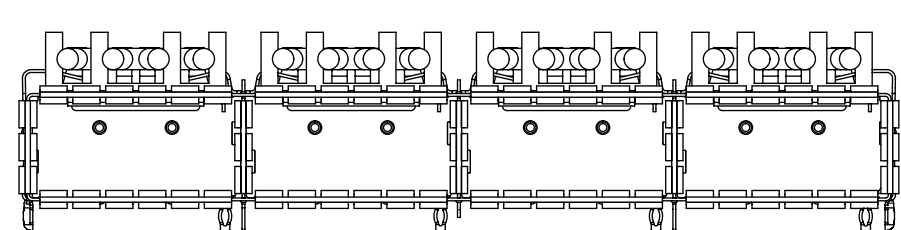
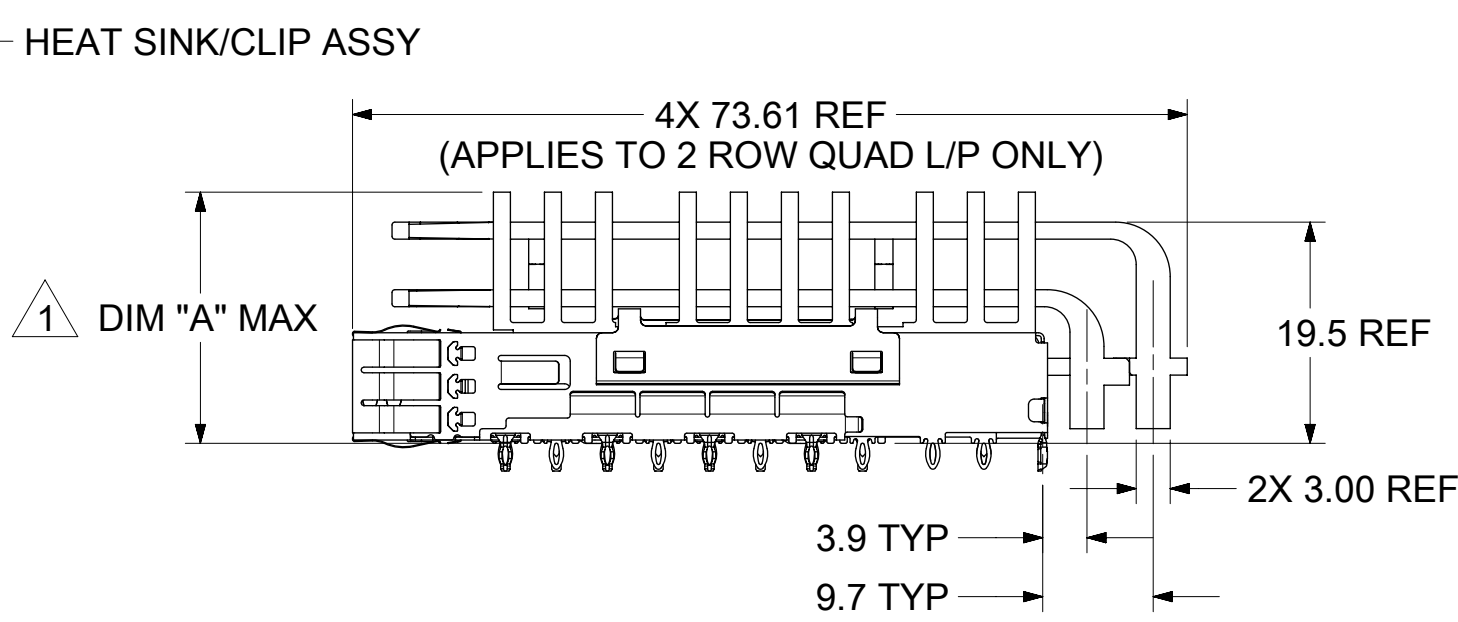
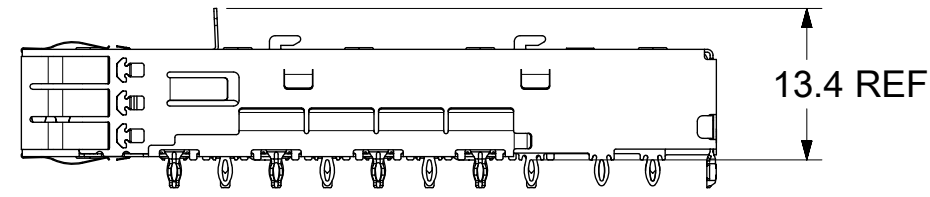
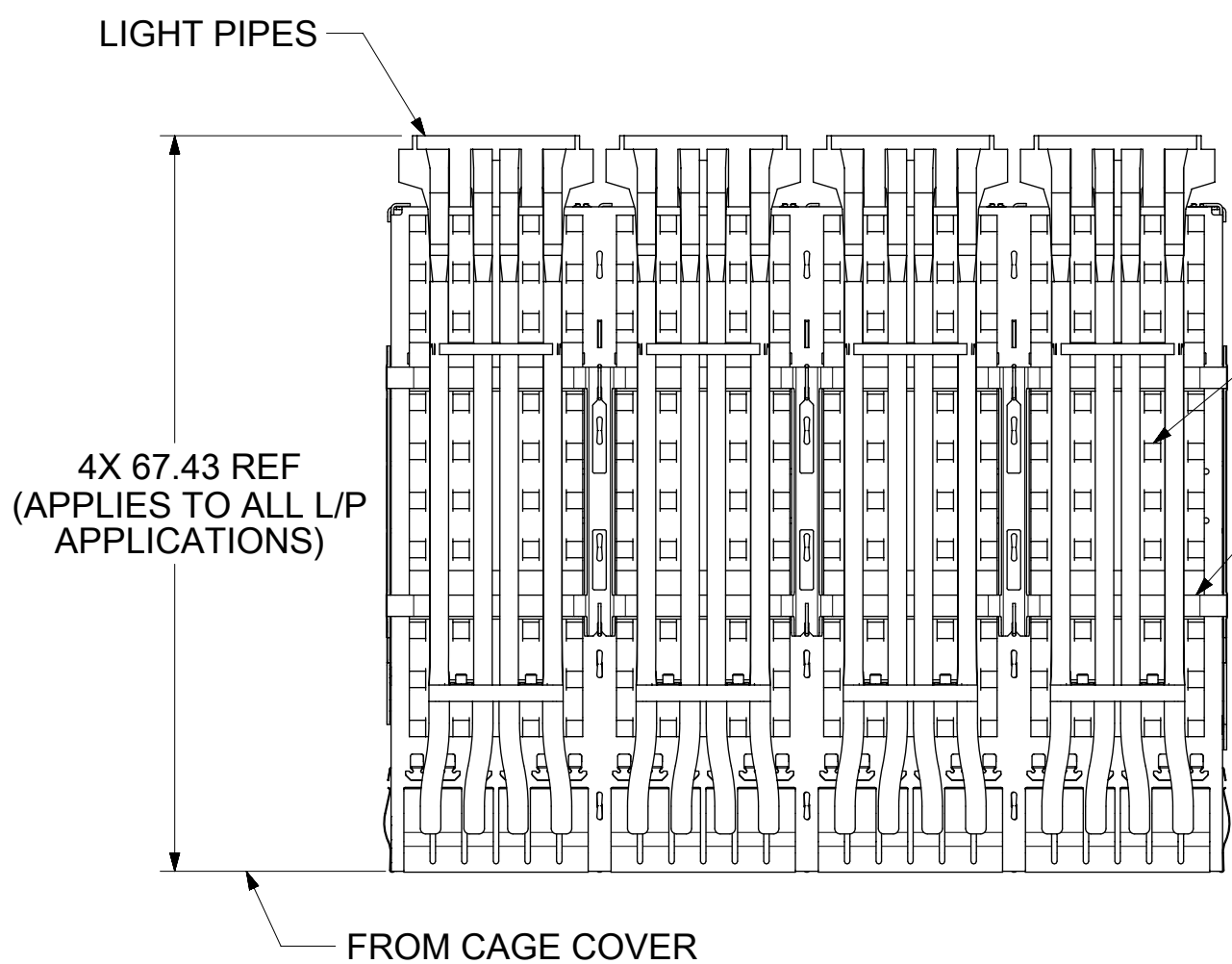
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS mm	SCALE 1.5:1	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.	molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 737858			
ANGULAR TOL ± 2.0°	4 PLACES ±	DRWN: SANTHN 2023/02/08	PRODUCT CUSTOMER DRAWING		
3 PLACES ±	2 PLACES ± 0.13	CHK'D: GGA 2023/02/24	DOCUMENT NUMBER		
1 PLACE ± 0.25	0 PLACES ±	APPR: GGA 2023/02/24	1000177200		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	INITIAL REVISION: DRWN: SJKG 2016/09/26 APPR: RCHEN08 2016/11/29	DOC TYPE	DOC PART	REVISION
	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	100017	SEE TABLE	GENERAL MARKET	1 OF 9

CAGE ASSEMBLY OPTIONS

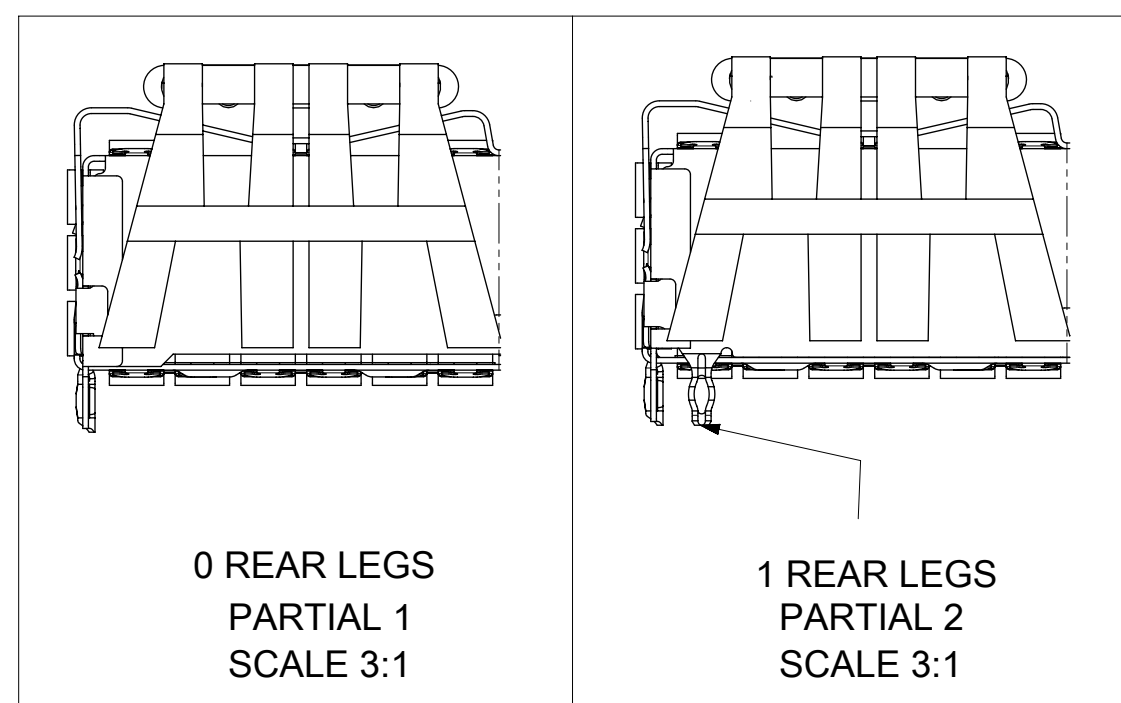
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SHOWN

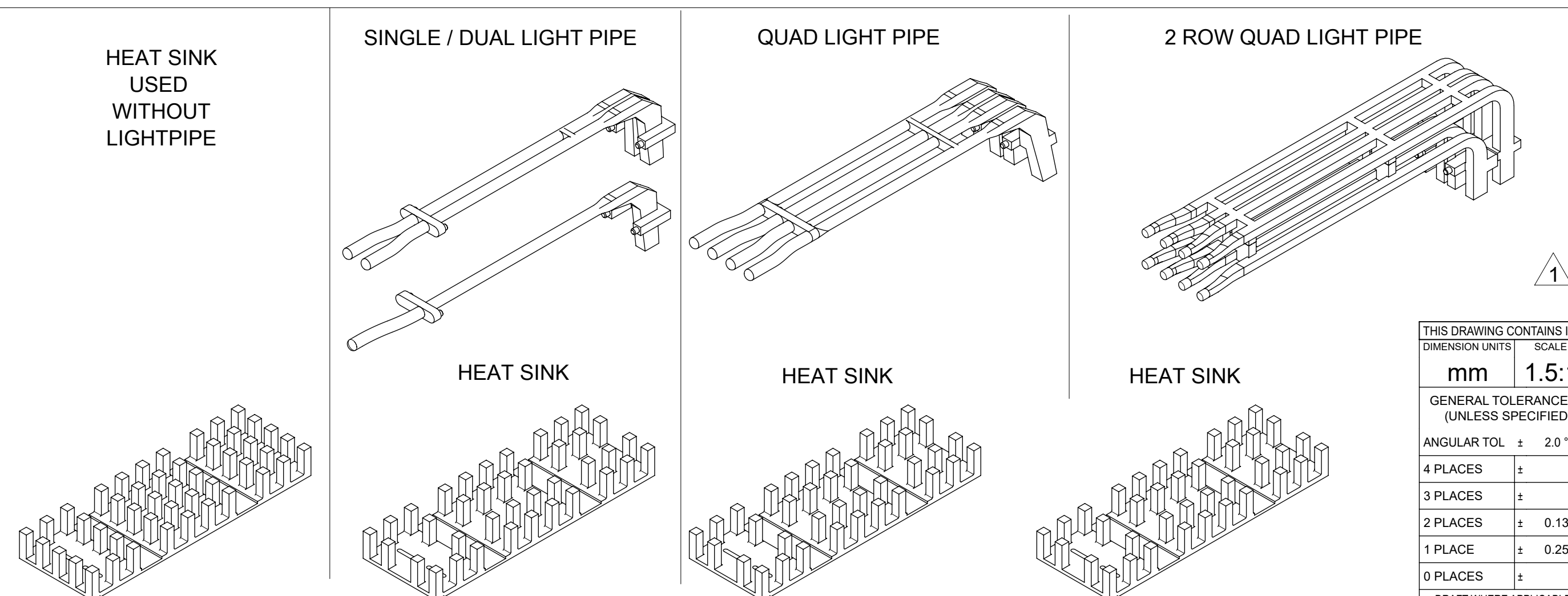


WING SPRING FINGER

REAR LEG OPTIONS



HEAT SINK AND LIGHT PIPE COMBINATIONS



HEAT SINK HEIGHT OPTIONS

OVERALL HEAT SINK HEIGHT	DIM"A"
PCI	13.7
SAN	16.0
NET	23.0

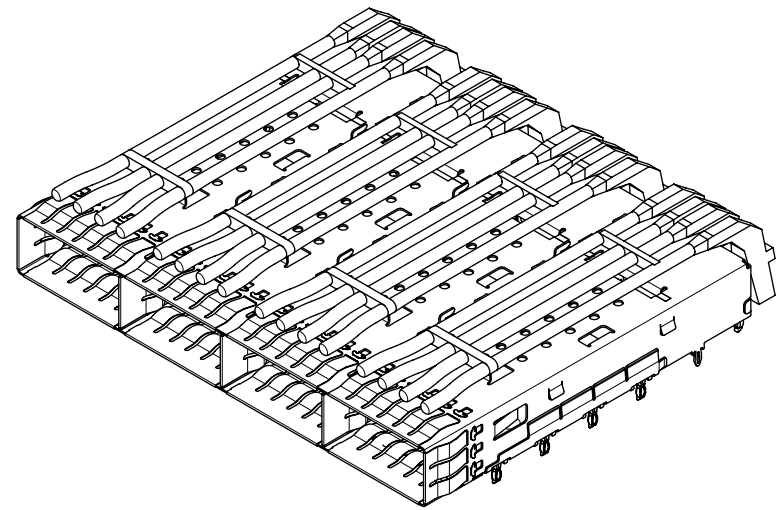
1 HEIGHT OF HEAT SINK WITH MODULE INSERTED. DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

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DIMENSION UNITS mm	SCALE 1.5:1	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.	molex					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 737858				ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS		
ANGULAR TOL ± 2.0°	4 PLACES ±	DRWN: SANTHN	2023/02/08					
	3 PLACES ±	CHK'D: GGA	2023/02/24					
	2 PLACES ± 0.13	APPR: GGA	2023/02/24					
	1 PLACE ± 0.25	INITIAL REVISION:						
	0 PLACES ±	DRWN: SJKG	2016/09/26					
		APPR: RCHEN08	2016/11/29					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOC TYPE	DOC PART	REVISION
		C-SIZE	100017	SEE TABLE	GENERAL MARKET	PSD	ASY	A3
								SHEET NUMBER
								2 OF 9

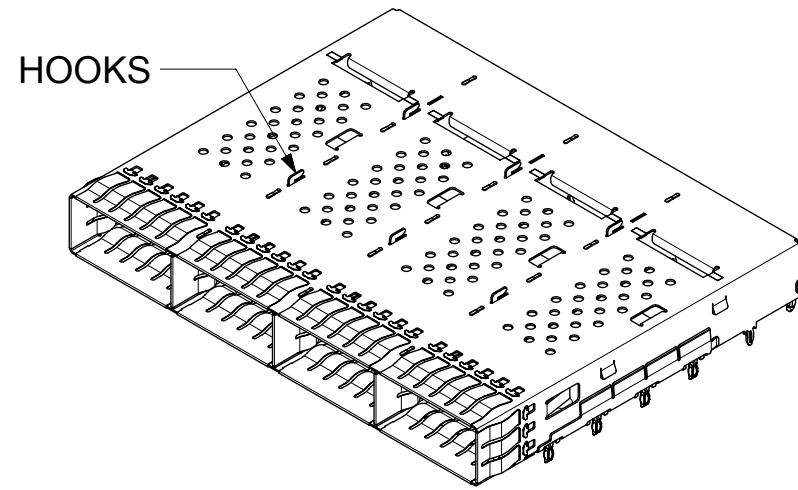
PART NUMBER SELECTION

NO HEAT SINKS
WITH LIGHT PIPES
CLOSED TOP



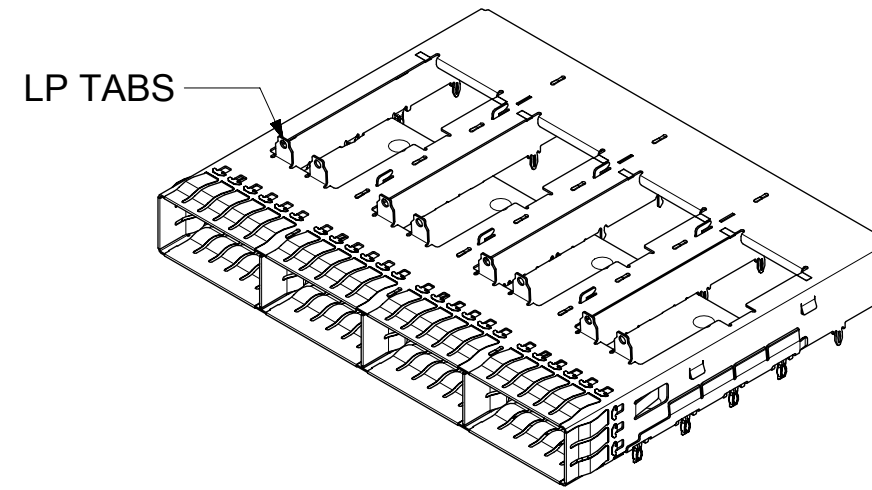
MOLEX P/N	LIGHT PIPES	#OF REAR LEGS PER PORT
1000177231	SINGLE	0
1000177232	SINGLE	1
1000177233	DUAL	0
1000177234	DUAL	1
1000177235	QUAD	0
1000177236	QUAD	1

NO HEAT SINKS
NO LIGHT PIPES
CLOSED TOP



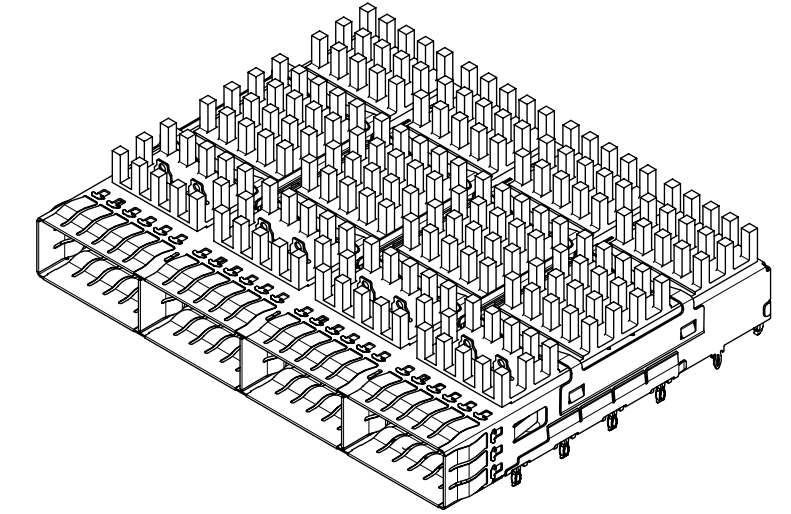
MOLEX P/N	#OF REAR LEGS PER PORT	HOOKS
1000177242	1	YES

NO HEAT SINKS
NO LIGHT PIPES
OPEN TOP



MOLEX P/N	#OF REAR LEGS PER PORT	LP TAB
1000177250	0	YES
1000177252	1	YES
1000177255	1	NO

WITH HEAT SINKS
NO LIGHT PIPES

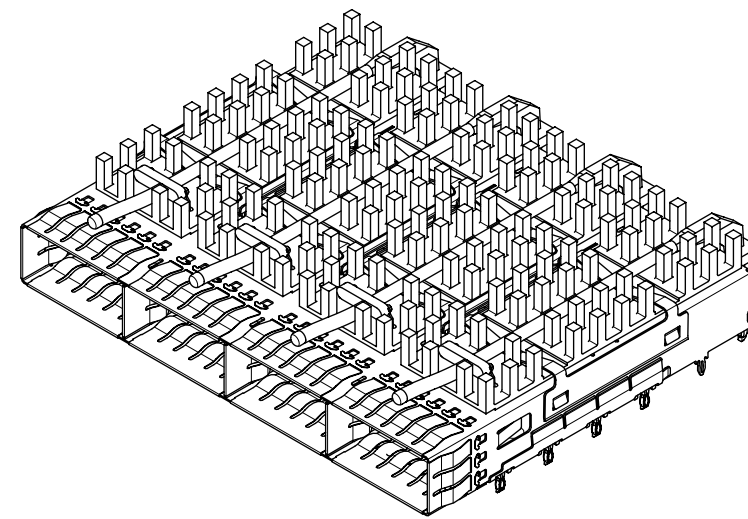


MOLEX P/N	HEAT SINK	#OF REAR LEGS PER PORT
1000177340	PCI	0
1000177341	SAN	0
1000177342	NET	0
1000177343	PCI	1
1000177344	SAN	1
1000177345	NET	1

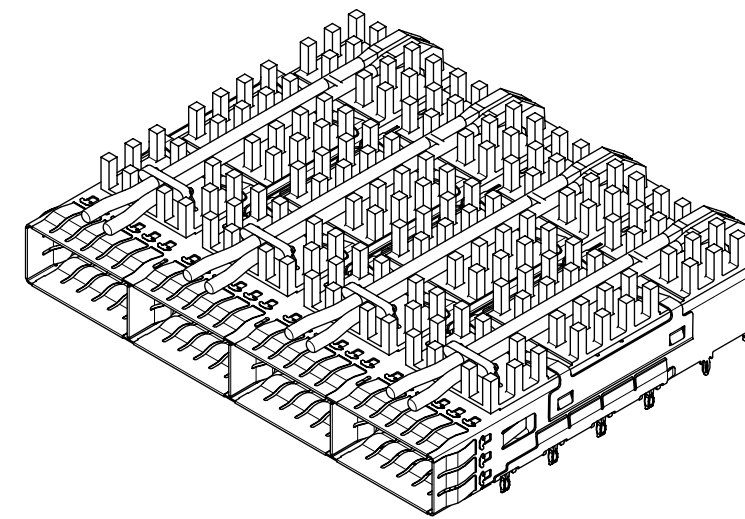
WITH HEAT SINKS AND LIGHT PIPES

MOLEX P/N	LIGHT PIPES	HEAT SINKS	#OF REAR LEGS PER PORT
1000177440	SINGLE	PCI	0
1000177441	SINGLE	SAN	0
1000177442	SINGLE	NET	0
1000177443	DUAL	PCI	0
1000177444	DUAL	SAN	0
1000177445	DUAL	NET	0
1000177446	QUAD	PCI	0
1000177447	QUAD	SAN	0
1000177448	QUAD	NET	0
1000177540	SINGLE	PCI	1
1000177541	SINGLE	SAN	1
1000177542	SINGLE	NET	1
1000177543	DUAL	PCI	1
1000177544	DUAL	SAN	1
1000177545	DUAL	NET	1
1000177546	QUAD	PCI	1
1000177547	QUAD	SAN	1
1000177548	QUAD	NET	1
1000177647	2 ROW QUAD	SAN	1
1000177648	2 ROW QUAD	NET	1
1000177649	2 ROW QUAD	CUSTOM (A=19.0REF)	1

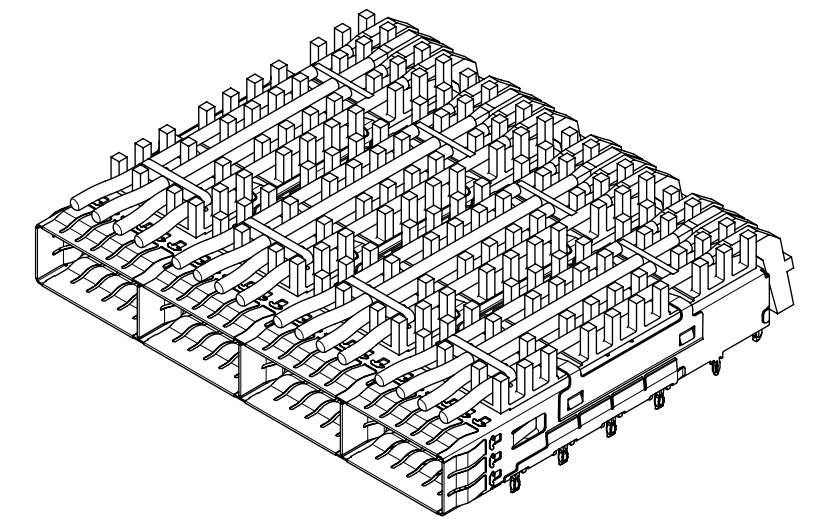
SINGLE LIGHT PIPE



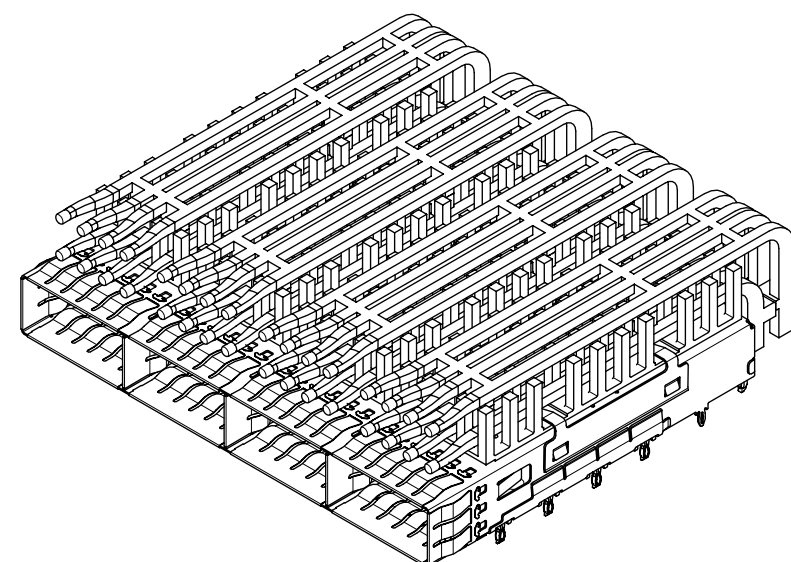
DUAL LIGHT PIPE



QUAD LIGHT PIPE



2 ROW QUAD LIGHT PIPE

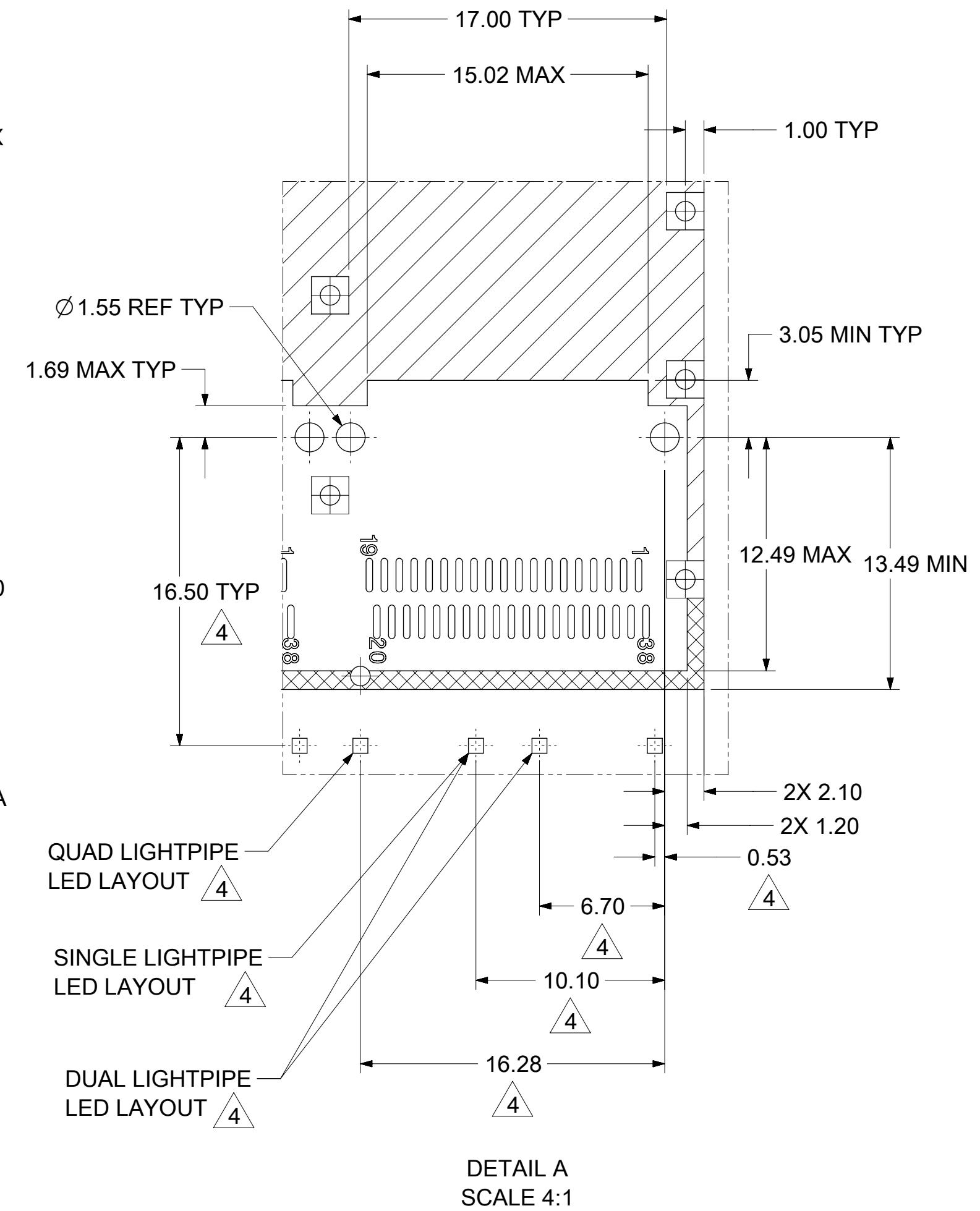
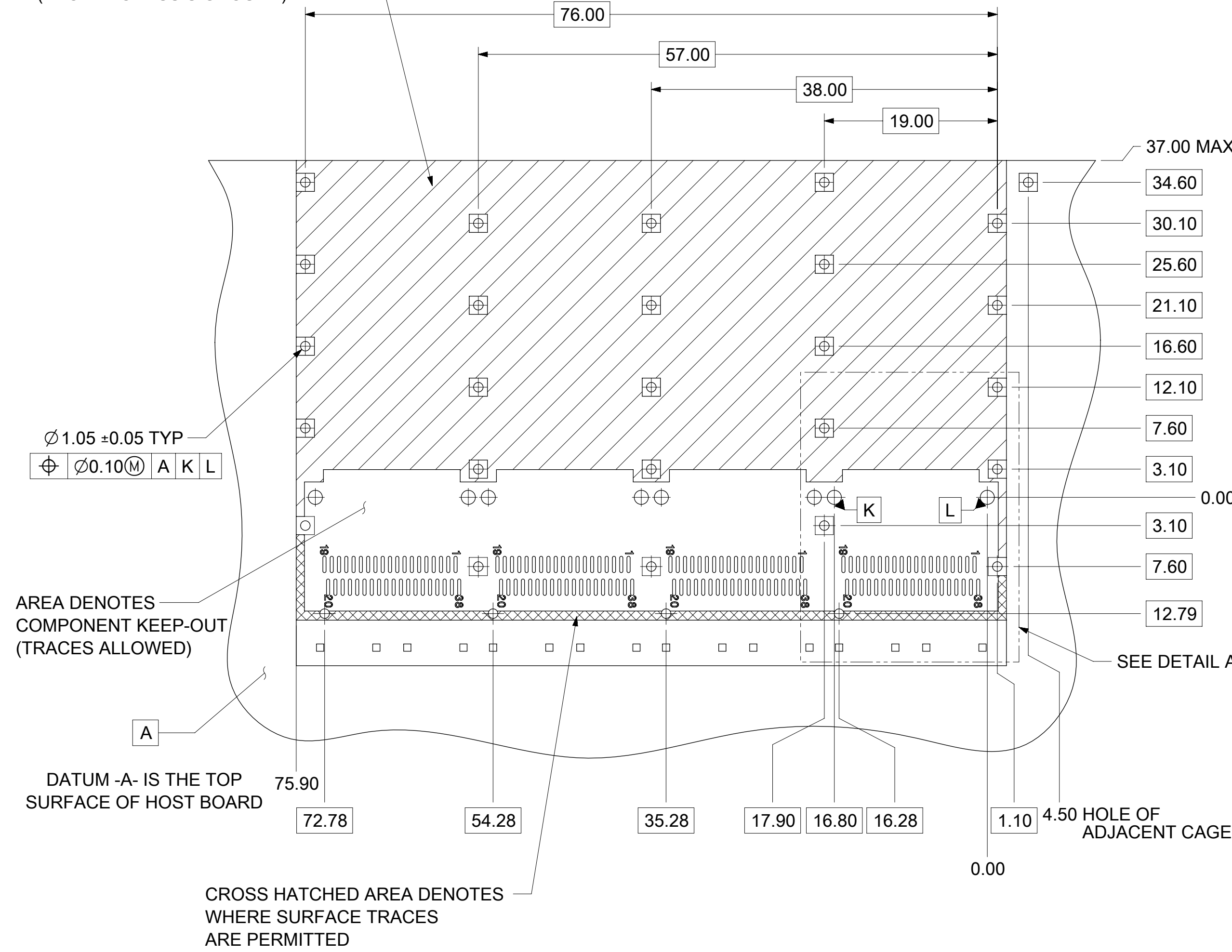


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DIMENSION UNITS mm	SCALE 1:1	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.	molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 737858			
ANGULAR TOL ± 2.0°	4 PLACES ±	DRWN: SANTHN	2023/02/08		
3 PLACES ±	2 PLACES ± 0.13	CHK'D: GGA	2023/02/24		
2 PLACES ± 0.25	1 PLACE ±	APPR: GGA	2023/02/24		
0 PLACES ±	INITIAL REVISION:		DOCUMENT NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: SJKG	1000177200		
THIRD ANGLE PROJECTION		APPR: RCHEN08	PSD ASY A3		
DRAWING		SERIES	MATERIAL NUMBER		
C-SIZE		100017	CUSTOMER		
SHEET NUMBER		GENERAL MARKET			
3 OF 9					

PCB LAYOUT FOR SINGLE SIDED MOUNTING

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

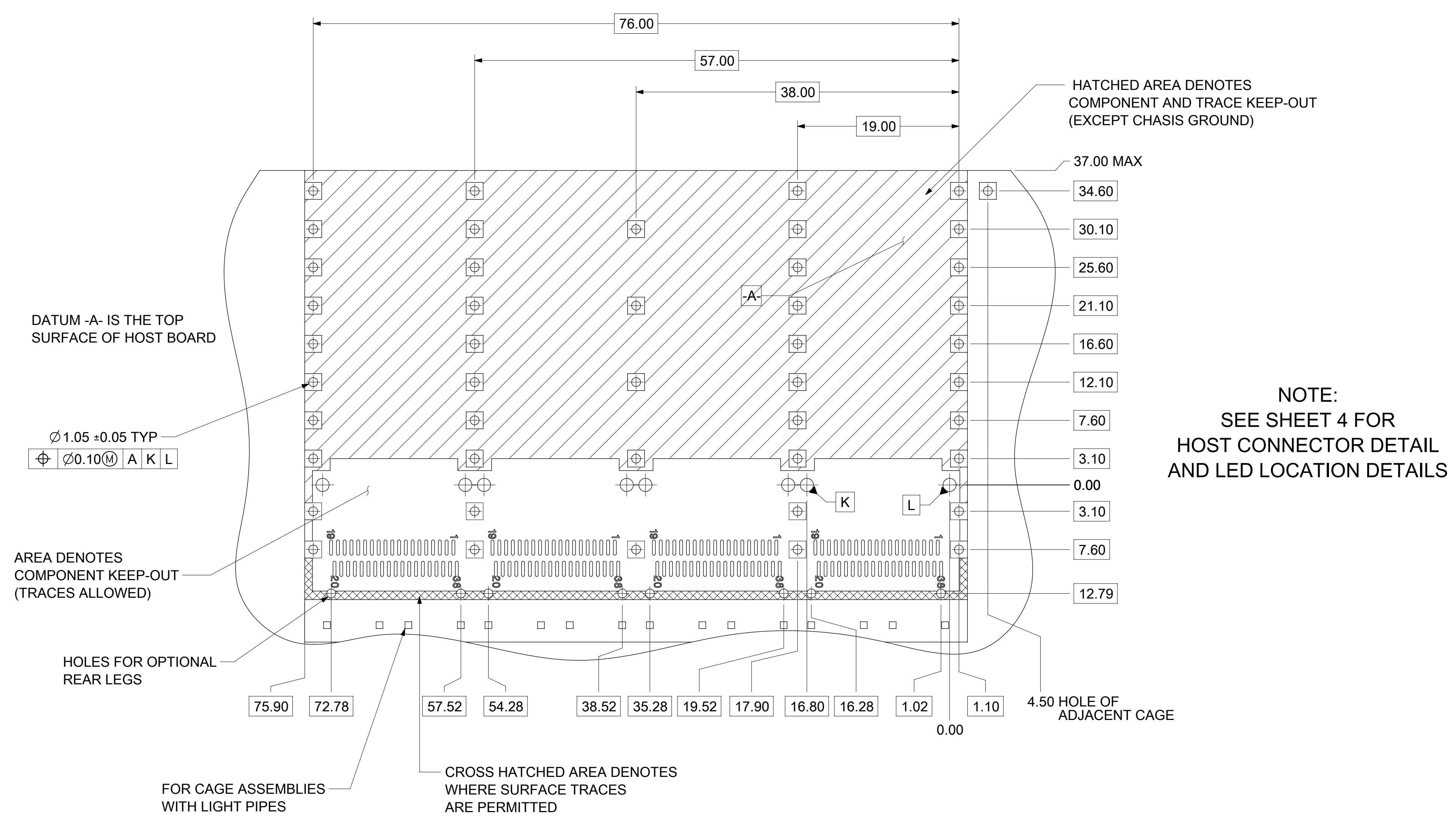


- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.
 4. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.

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: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.							
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 737858						ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS	
ANGULAR TOL ± 2.0°				4 PLACES ±		DRWN: SANTHN		2023/02/08		PRODUCT CUSTOMER DRAWING	
				3 PLACES ±		CHK'D: GGA		2023/02/24		DOCUMENT NUMBER	
				2 PLACES ± 0.13		APPR: GGA		2023/02/24		DOC TYPE DOC PART REVISION	
				1 PLACE ± 0.25		INITIAL REVISION:		1000177200		PSD ASY A3	
				0 PLACES ±		DRWN: SJKG		2016/09/26		MATERIAL NUMBER	
						APPR: RCHEN08		2016/11/29		CUSTOMER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
						C-SIZE		100017		SEE TABLE	
								GENERAL MARKET		4 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24	09:13:41
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PCB LAYOUT FOR BELLY TO BELLY MOUNTING

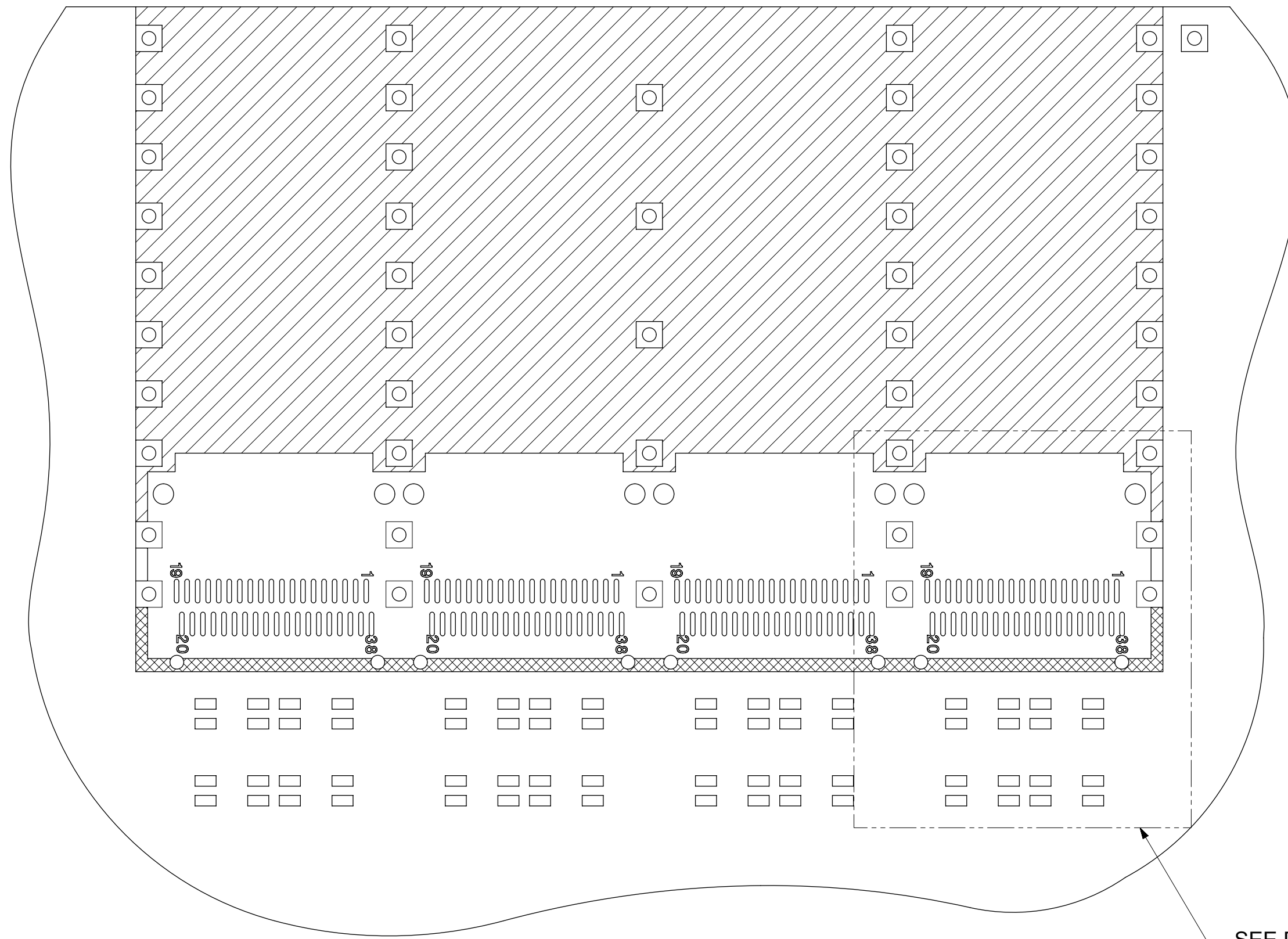


NOTES:
 1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERRIES 170432.

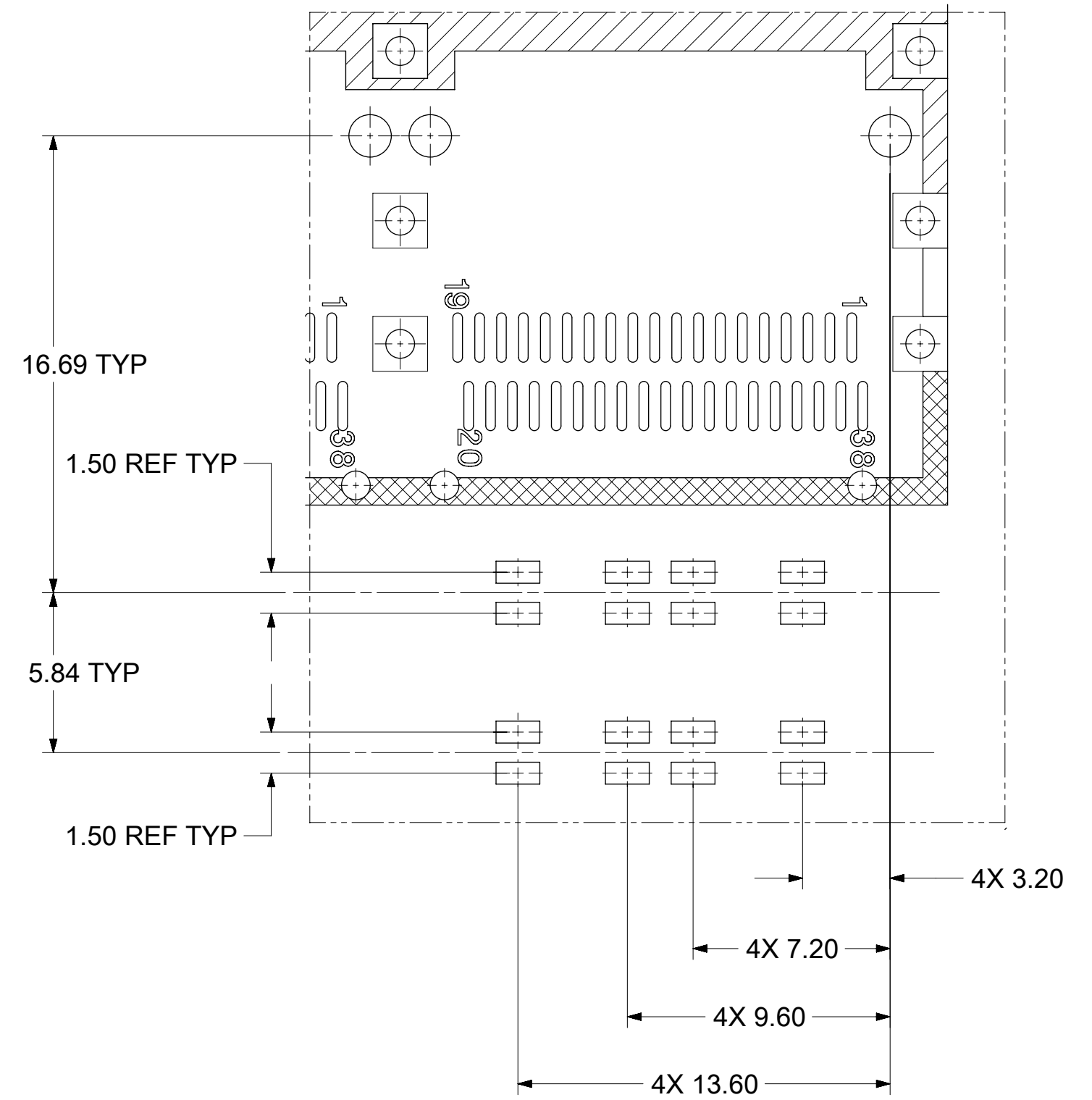
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS mm		SCALE 3:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.				molex	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 737858					
ANGULAR TOL ± 2.0°		4 PLACES ±		DRWN: SANTHN		2023/02/08		ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS	
3 PLACES ±		2 PLACES ± 0.13		CHK'D: GGA		2023/02/24		PRODUCT CUSTOMER DRAWING	
1 PLACE ± 0.25		0 PLACES ±		APPR: GGA		2023/02/24		DOCUMENT NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
		C-SIZE		100017		100017200		CUSTOMER	
						GENERAL MARKET		SHEET NUMBER	
								5 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24	09:13:41
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LED PLACEMENT FOR 2 ROW QUAD LIGHT PIPE



SEE DETAIL 1



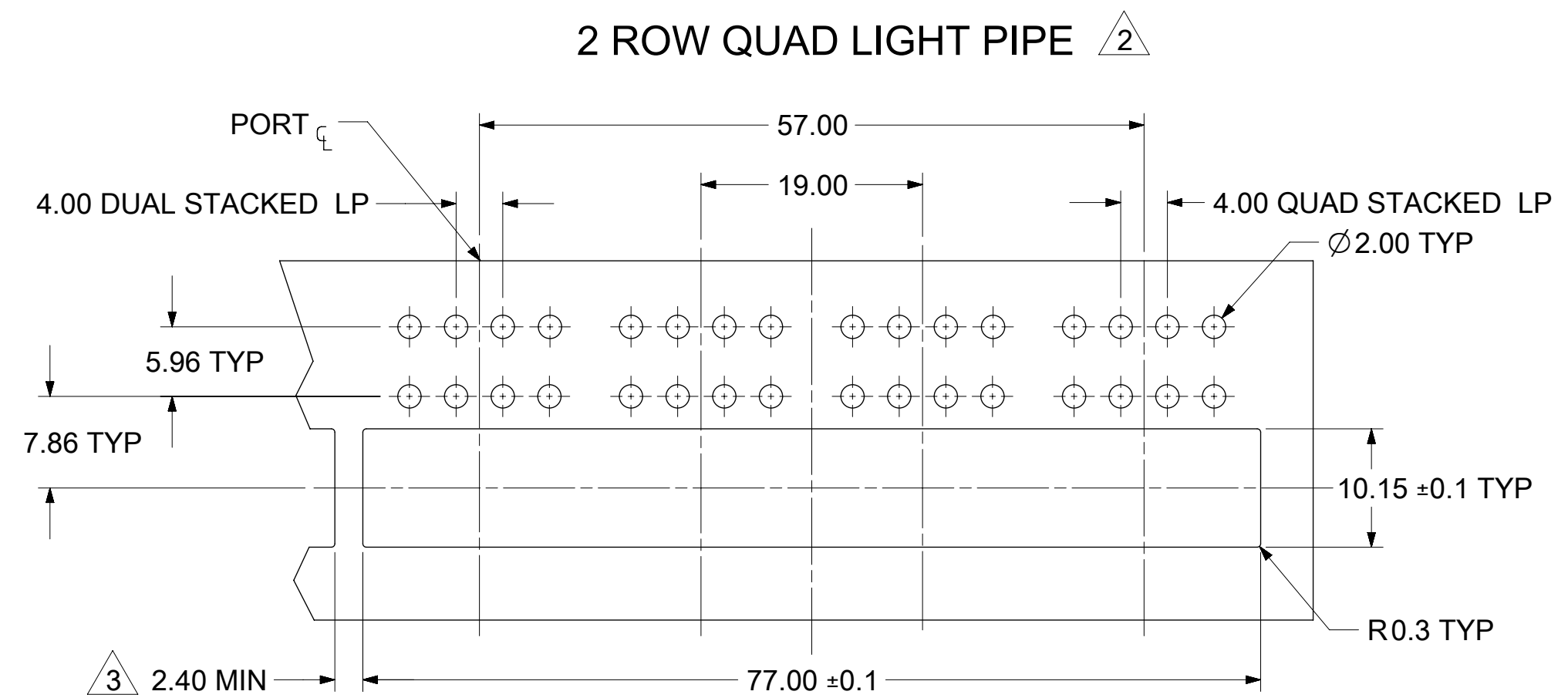
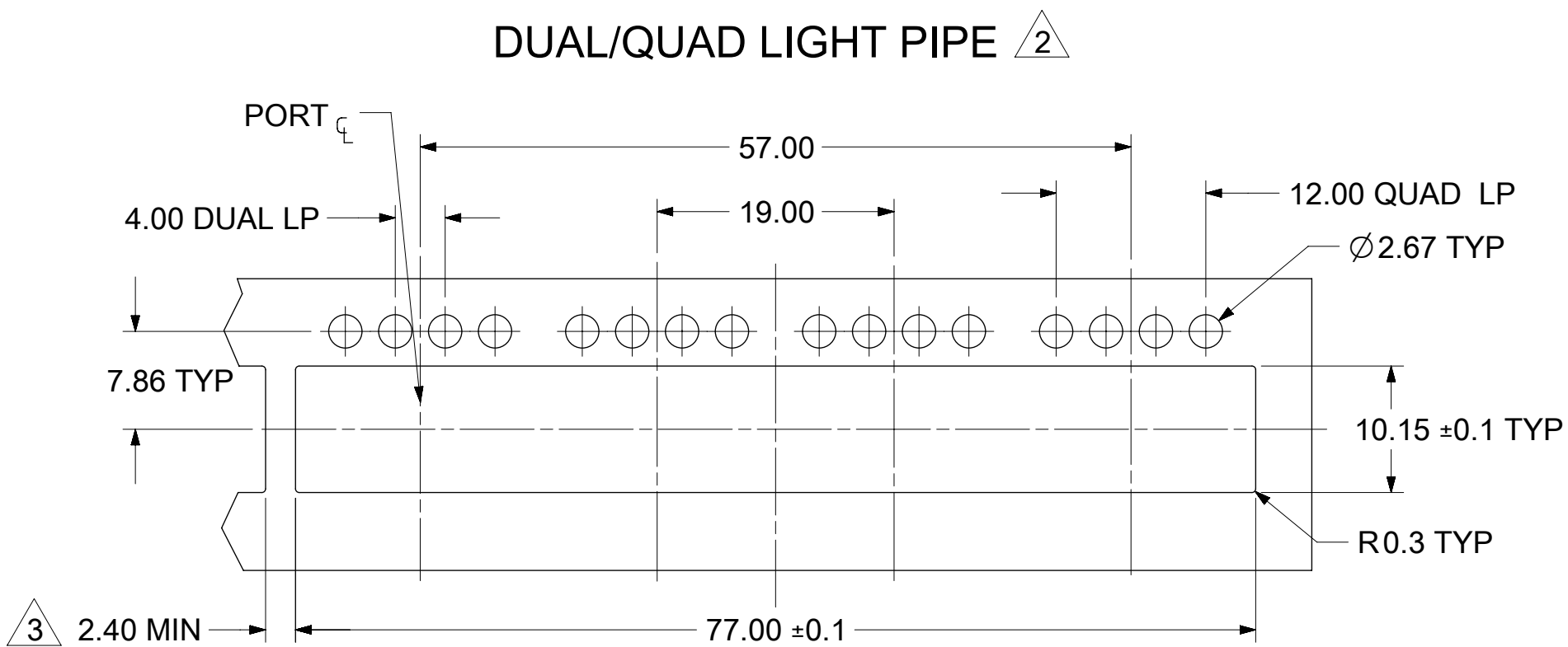
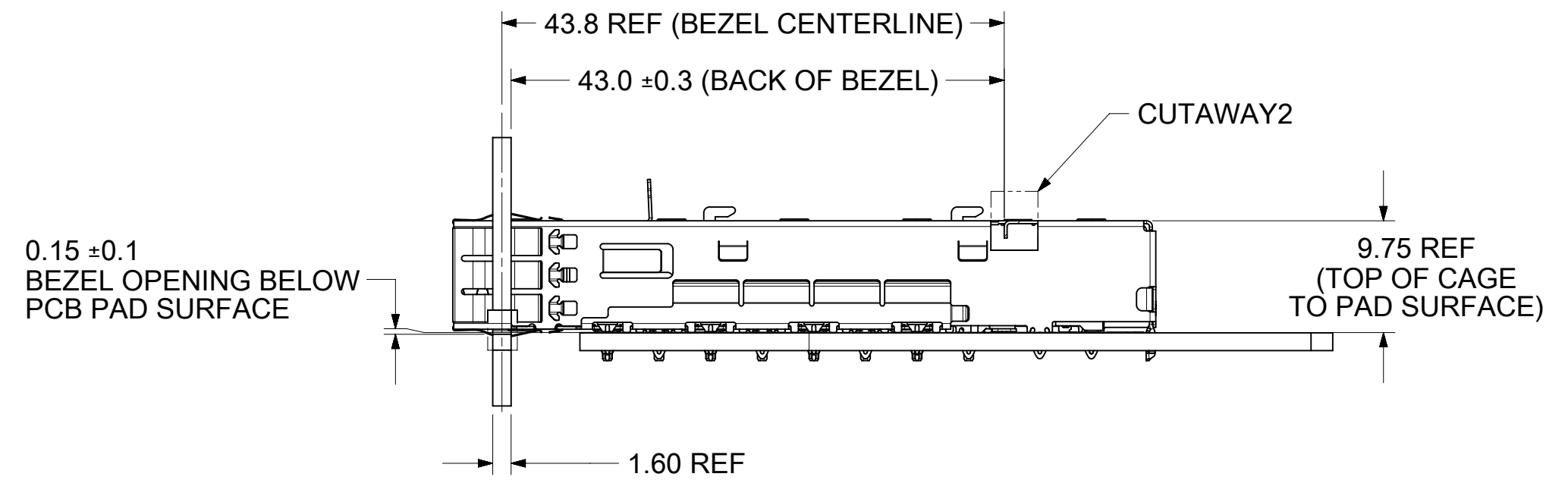
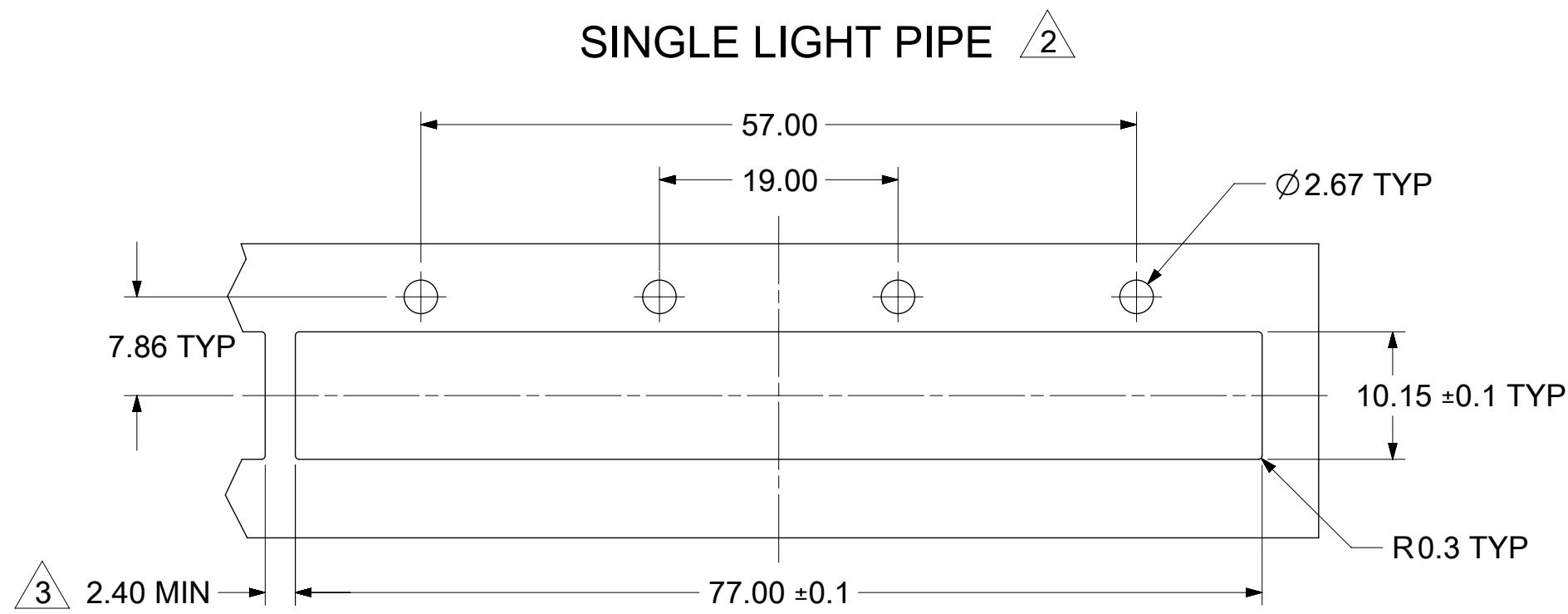
DETAIL 1
SCALE 5:1

NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL

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DIMENSION UNITS mm		SCALE 3:1	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.		molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)							
ANGULAR TOL	± 2.0°		EC NO: 737858		ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS		
4 PLACES	±		DRWN: SANTHN	2023/02/08	PRODUCT CUSTOMER DRAWING		
3 PLACES	±		CHK'D: GGA	2023/02/24	DOCUMENT NUMBER		
2 PLACES	± 0.13		APPR: GGA	2023/02/24	1000177200		
1 PLACE	± 0.25		INITIAL REVISION:		DOC TYPE	DOC PART	REVISION
0 PLACES	±		DRWN: SJKG	2016/09/26	PSD	ASY	A3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			C-SIZE	100017	SEE TABLE	GENERAL MARKET	6 OF 9

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



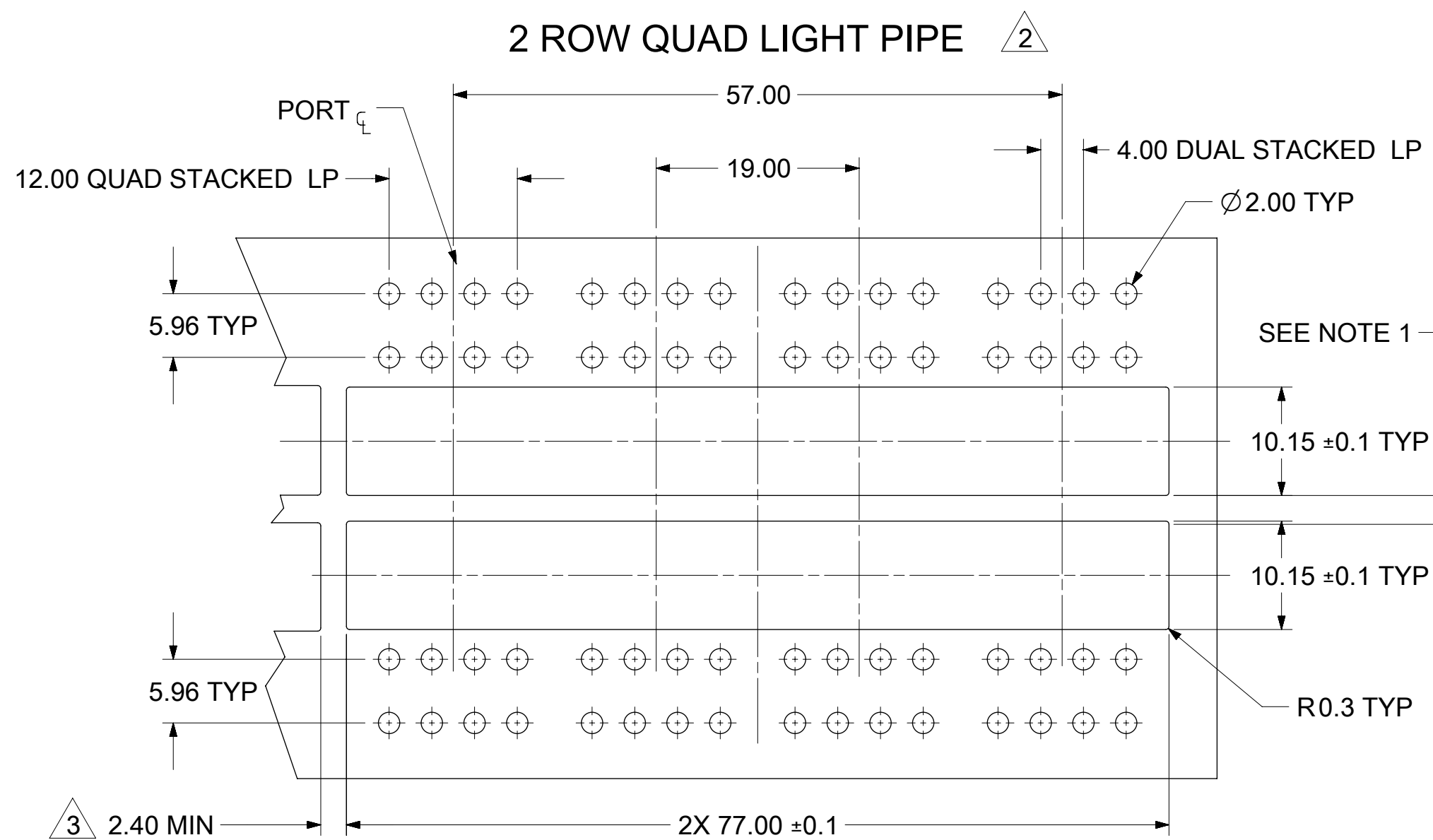
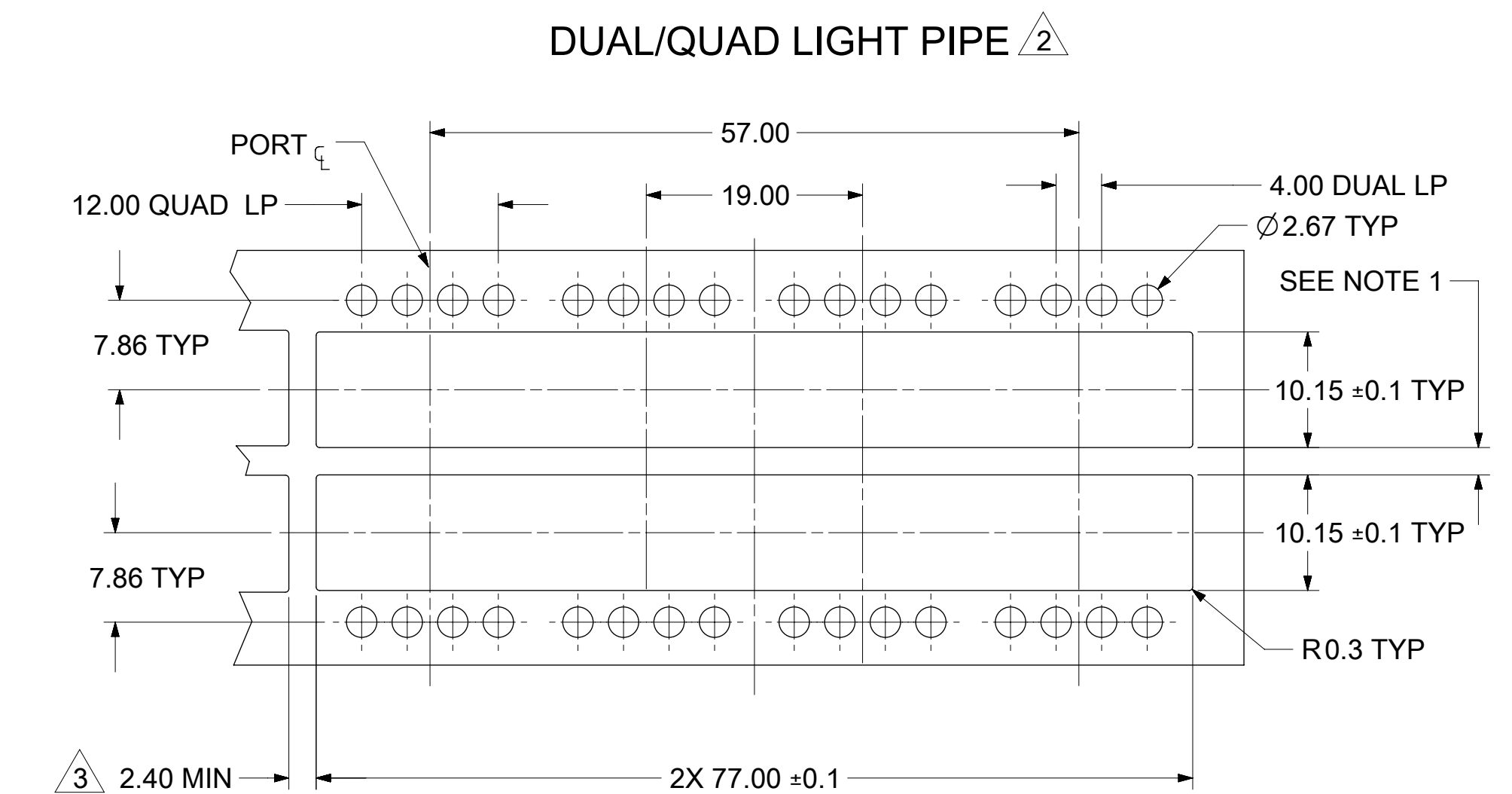
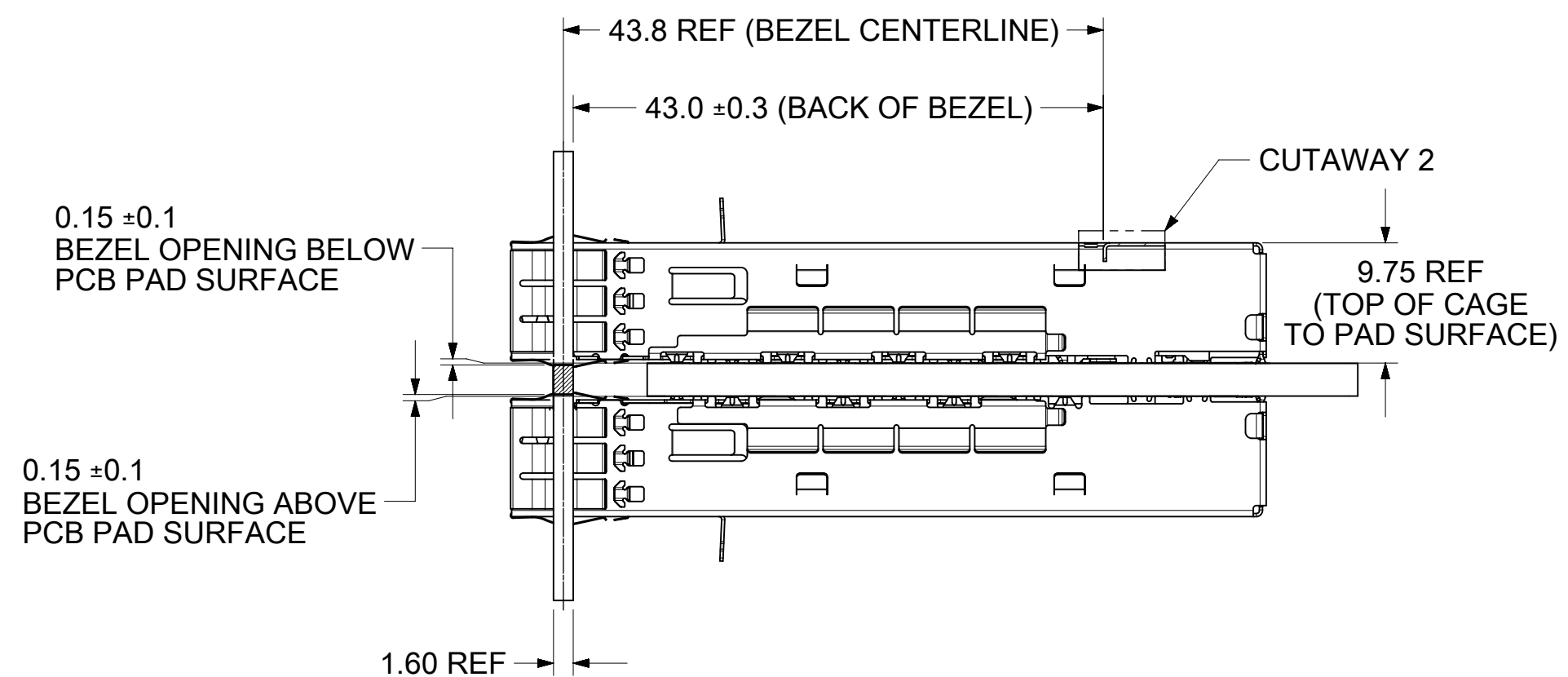
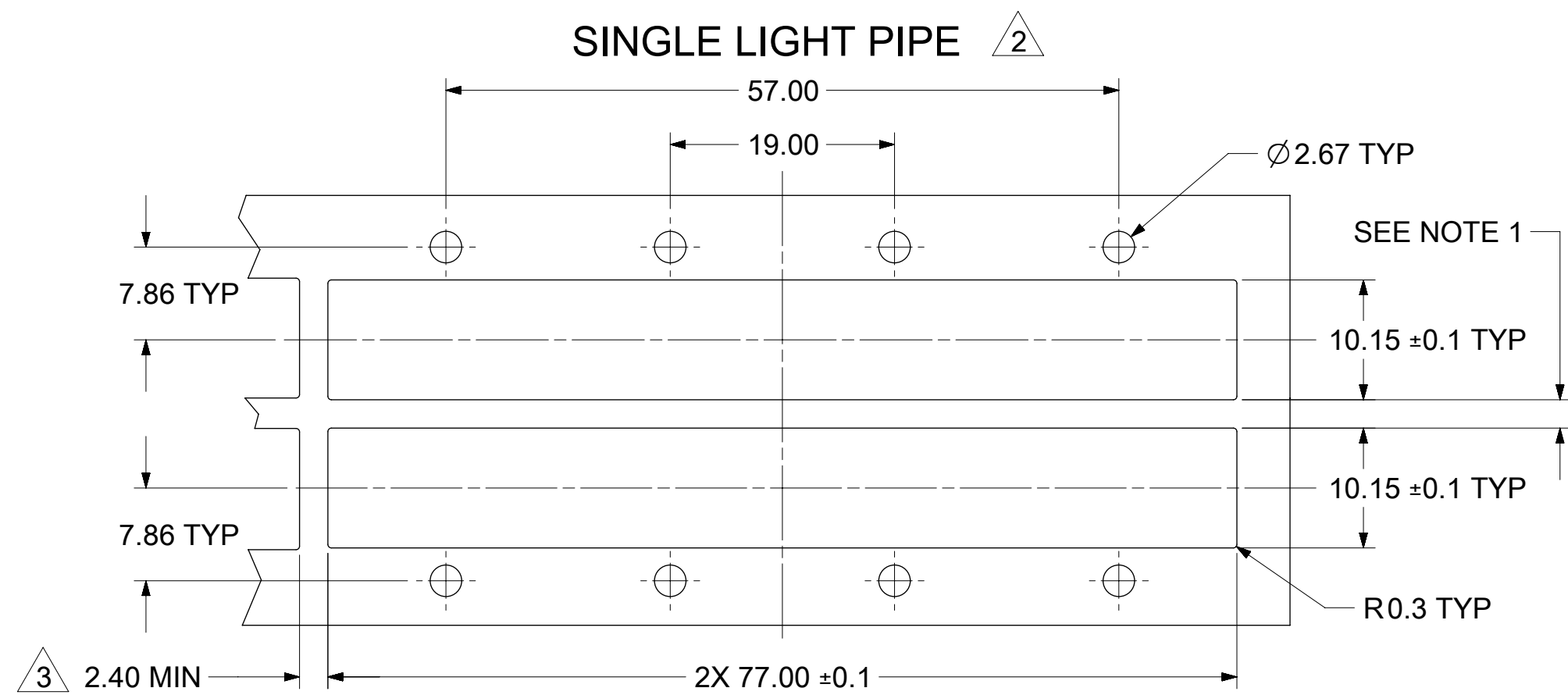
- NOTE:**
- PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 - NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
 - THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADJACENT CAGE" ON PCB LAYOUT.)

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.	molex		
mm	2:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)			ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS		
ANGULAR TOL	± 2.0°	EC NO: 737858	PRODUCT CUSTOMER DRAWING		
4 PLACES	±	DRWN: SANTHN	2023/02/08		
3 PLACES	±	CHK'D: GGA	2023/02/24		
2 PLACES	± 0.13	APPR: GGA	2023/02/24		
1 PLACE	± 0.25	INITIAL REVISION:	DOCUMENT NUMBER		
0 PLACES	±	DRWN: SJKG	2016/09/26	1000177200	PSD ASY A3
		APPR: RCHEN08	2016/11/29	MATERIAL NUMBER	CUSTOMER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER
			C-SIZE	100017	SEE TABLE
					GENERAL MARKET
					7 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2023/02/24	09:13:41
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BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



- NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 2. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
 3. THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADJACENT CAGE" ON PCB LAYOUT.)

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#511691.		molex			
mm	2:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)				ZQSFP+ 1X4 GANGED CAGE ASSEMBLY WING SPRING FINGER WITH H/S & LP OPTIONS			
ANGULAR TOL	± 2.0°	EC NO: 737858		PRODUCT CUSTOMER DRAWING			
4 PLACES	±	DRWN: SANTHN		2023/02/08			
3 PLACES	±	CHK'D: GGA		2023/02/24			
2 PLACES	± 0.13	APPR: GGA		2023/02/24			
1 PLACE	± 0.25	INITIAL REVISION:				DOCUMENT NUMBER	
0 PLACES	±	DRWN: SJKG		2016/09/26		1000177200	
		APPR: RCHEN08		2016/11/29		PSD ASY A3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		MATERIAL NUMBER	
		C-SIZE		SERIES		CUSTOMER	
		100017		SEE TABLE		GENERAL MARKET	
						SHEET NUMBER	
						8 OF 9	

