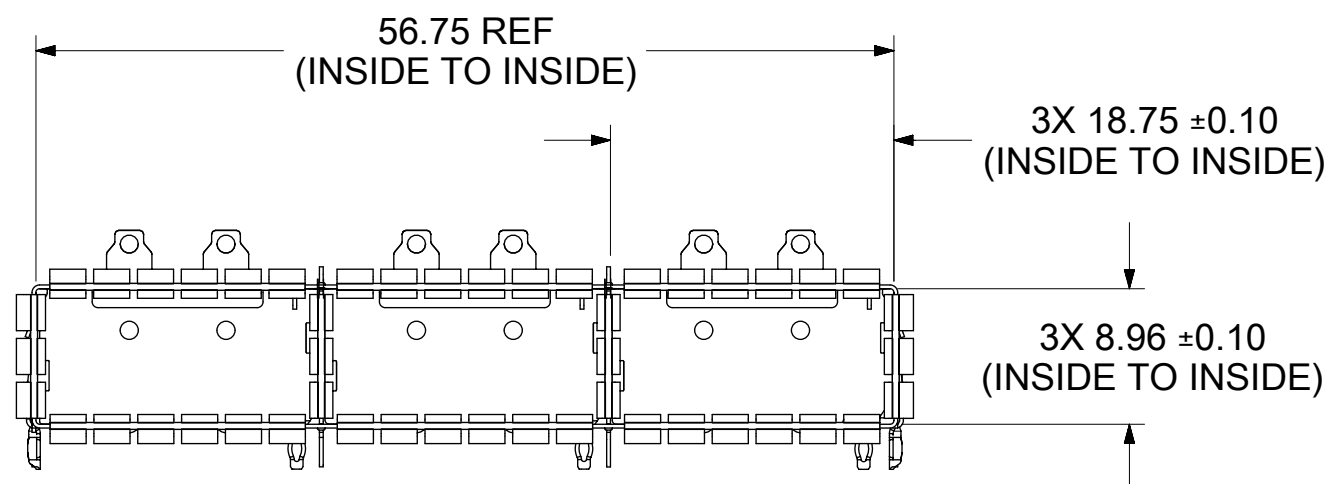
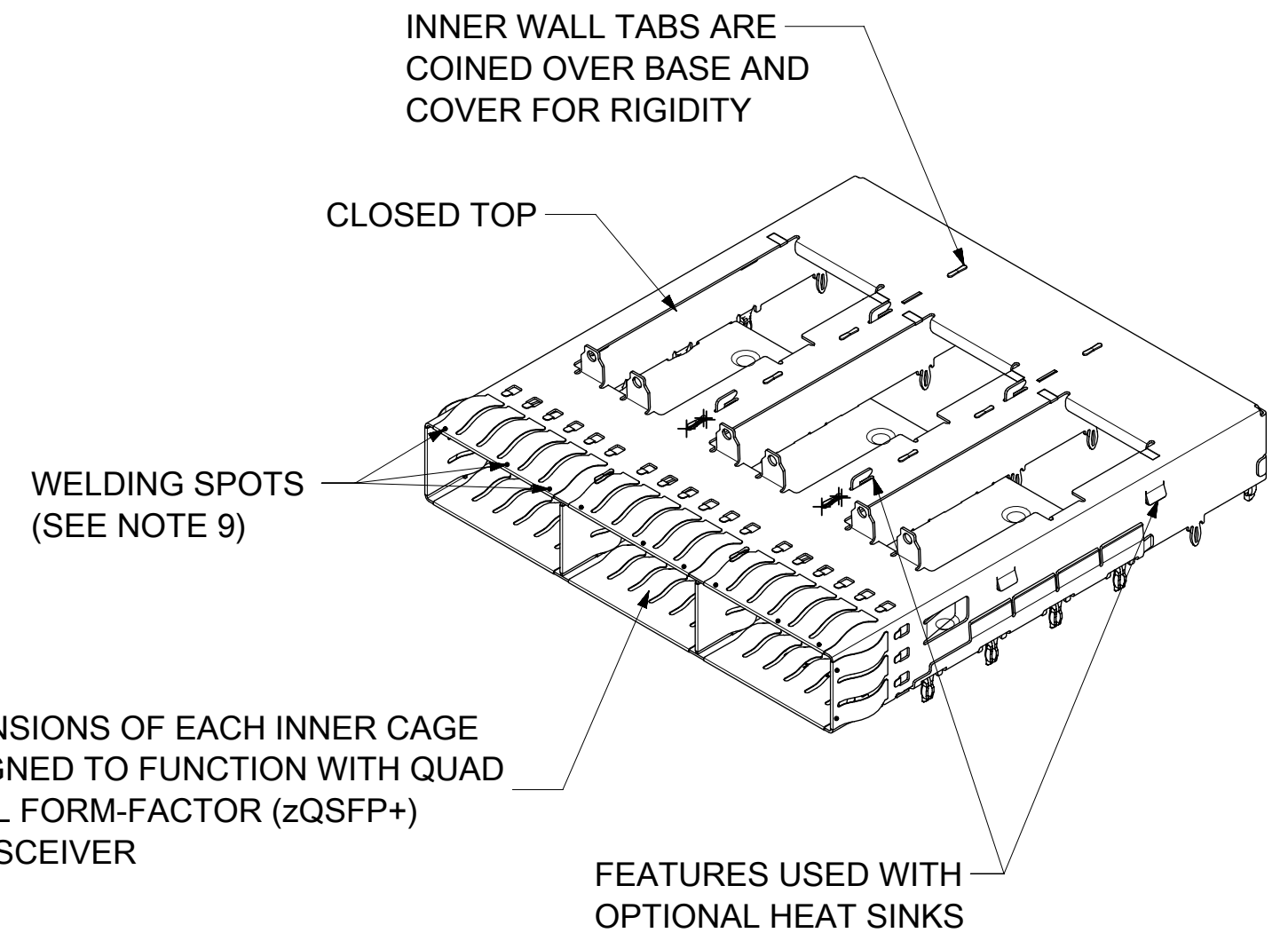
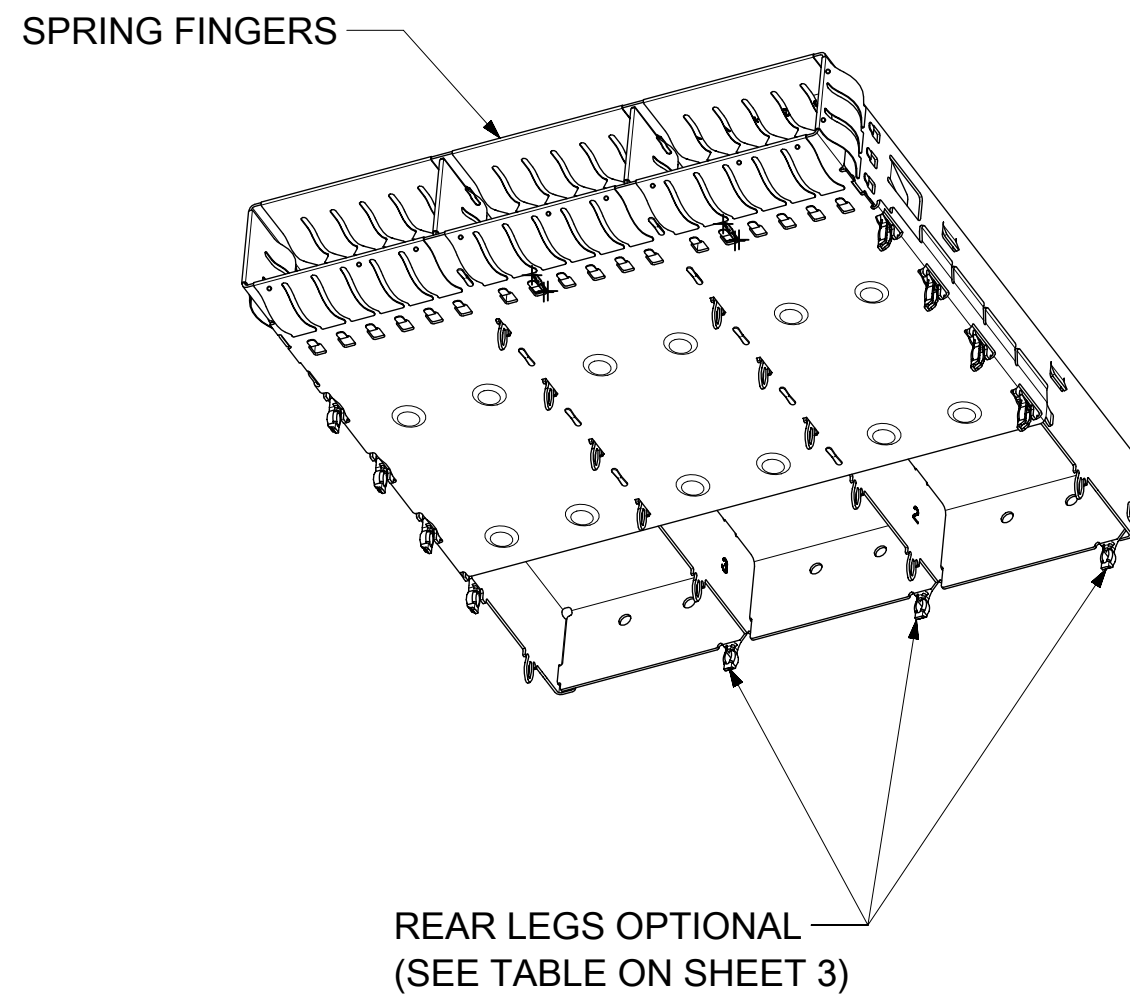
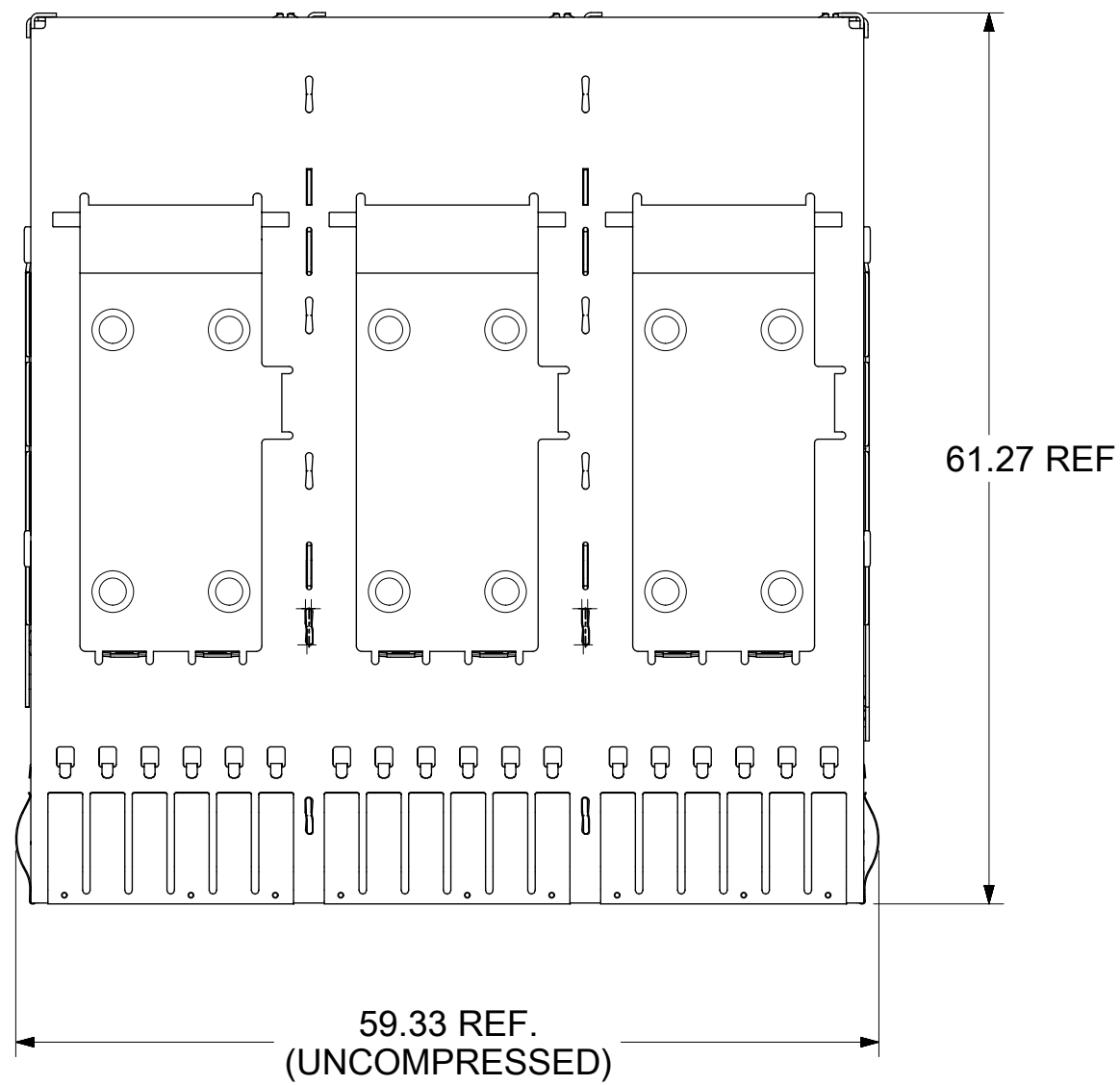


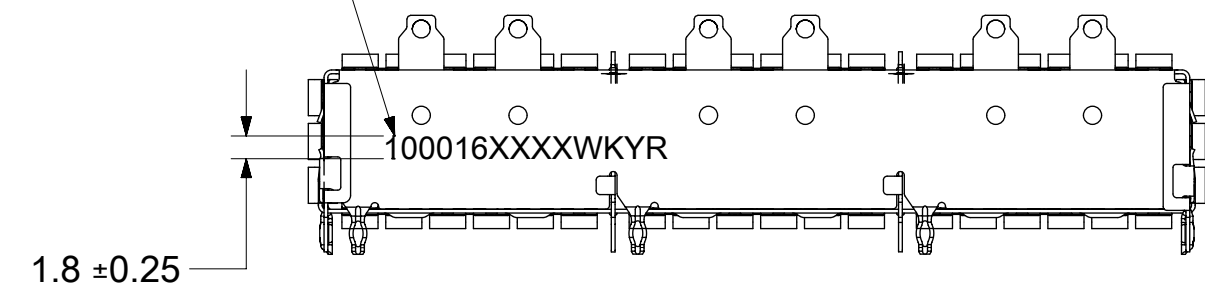
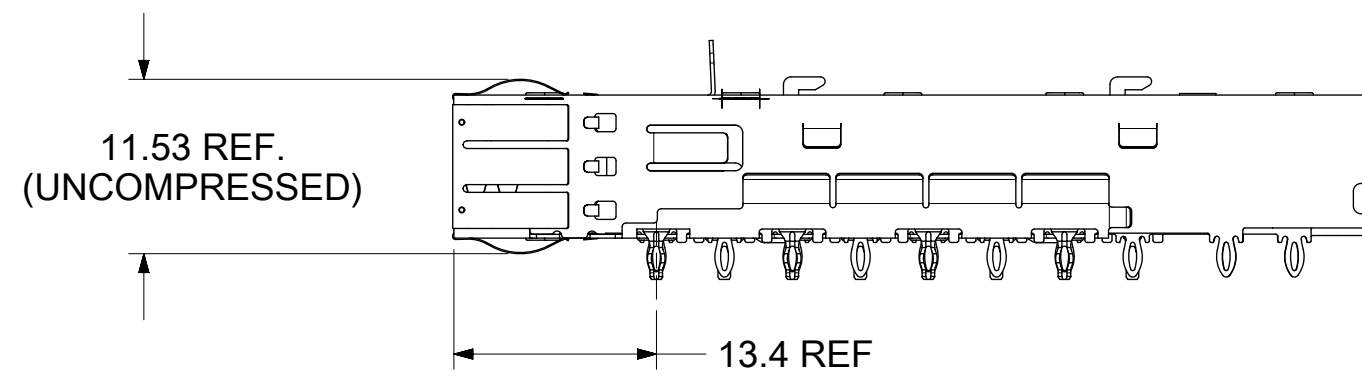
BASE CAGE DETAILS

1000163252

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



- NOTES:
- MATERIAL: CAGE: STAINLESS STEEL
CENTER WALLS: STAINLESS STEEL
SPRING FINGERS: STAINLESS STEEL
HEAT SINKS: NICKEL PLATED ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
 - DIMENSIONS MARKED ∇ ARE CRITICAL TO FUNCTION OF THE PART AND MUST BE INSPECTED
 - 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
 - WELD SPOTS MAY SHOW MATERIAL DISCOLORATION

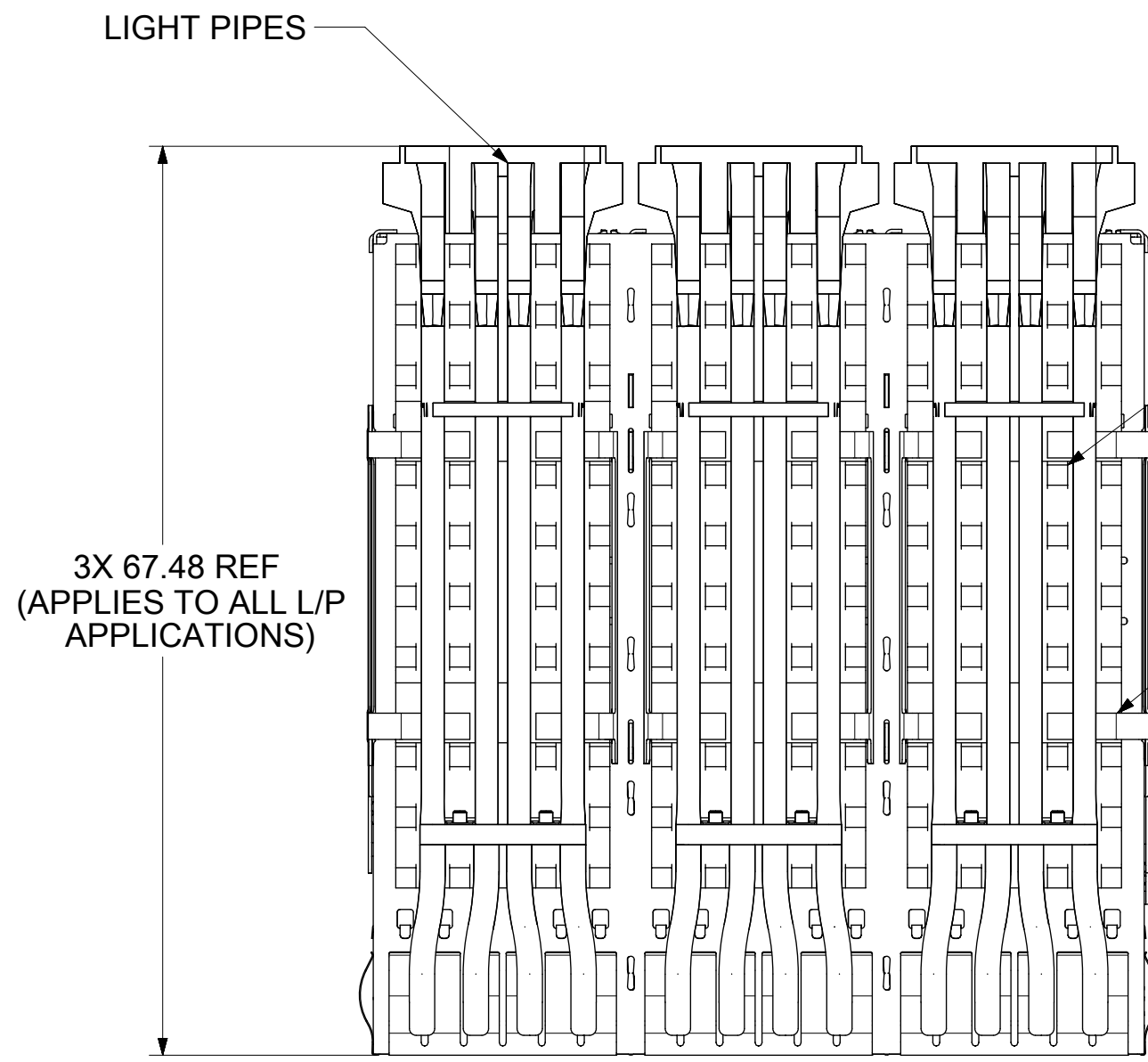
WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR)
YR	22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22)

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 REV TABLE								
	mm	2:1	<p>molex</p> <p>ZQSFP+ 1X3 GANGED CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p>								
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)									EC NO: 698867	
	ANGULAR TOL ± 2.0°		DRWN: VISHNM2		2022/03/16		1000163200		PSD	ASY	A
4 PLACES ±		CHK'D: TKUMARKC		2022/03/17		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
3 PLACES ±		APPR: JCHIANG		INITIAL REVISION:		100016		GENERAL MARKET		1 OF 7	
2 PLACES ± 0.13		DRWN: VISHNM2		2022/02/22		SEE P/N TABLE					
1 PLACE ± 0.25		APPR: JCHIANG		2022/03/17							
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES			
				C-SIZE		100016					

CAGE ASSEMBLY OPTIONS

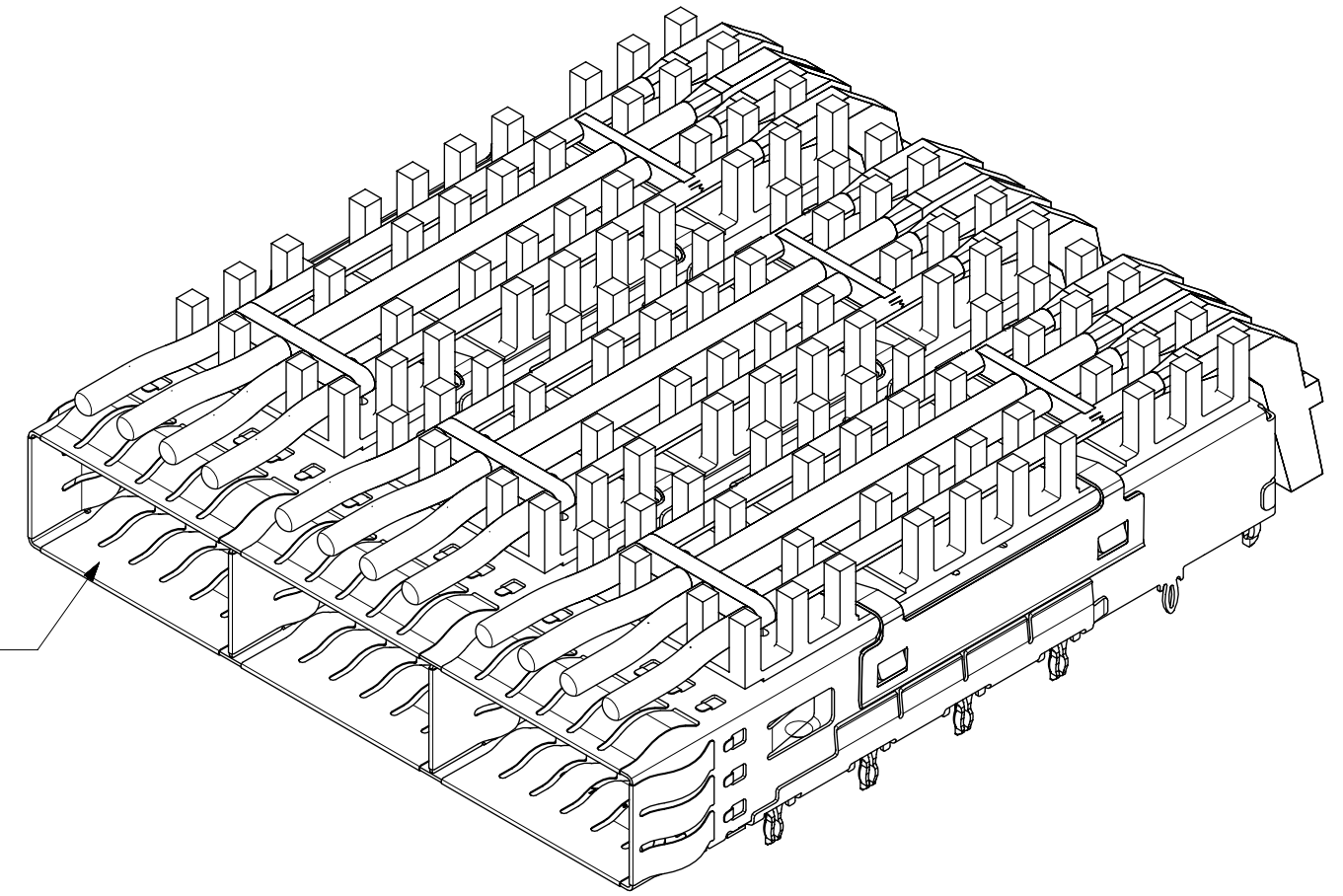
1000163547

SHOWN

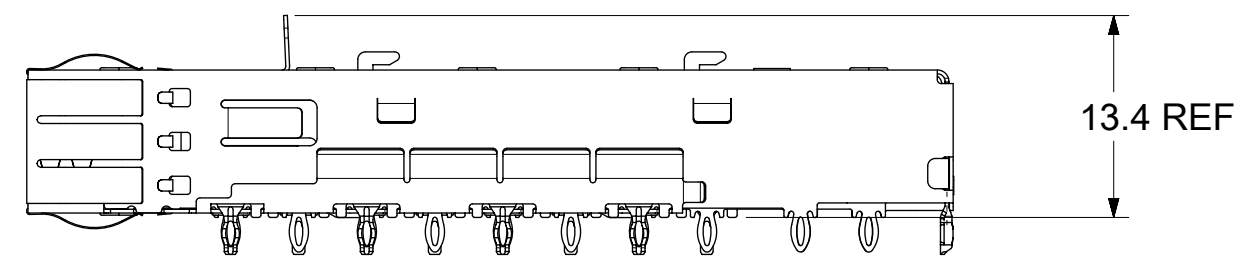


HEAT SINKS

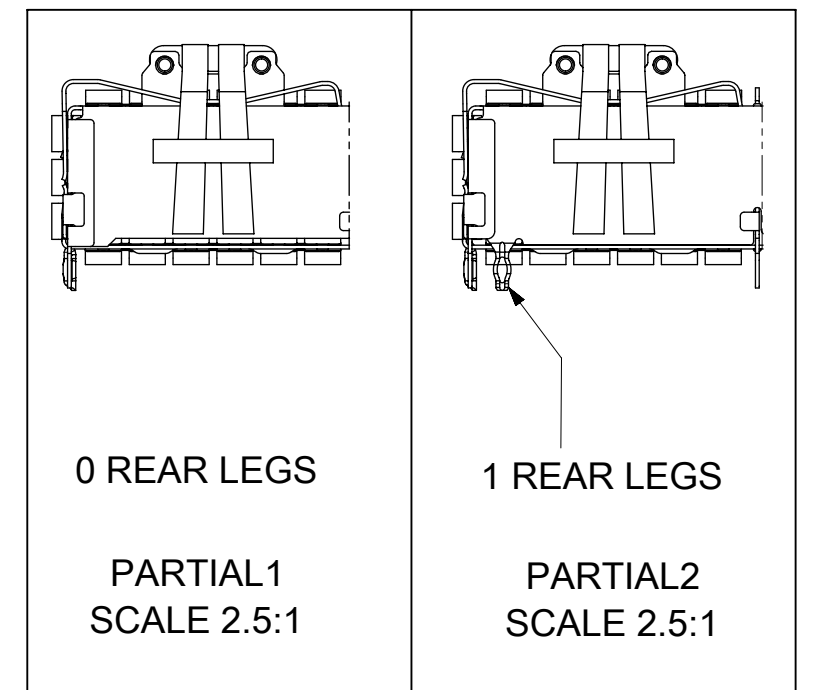
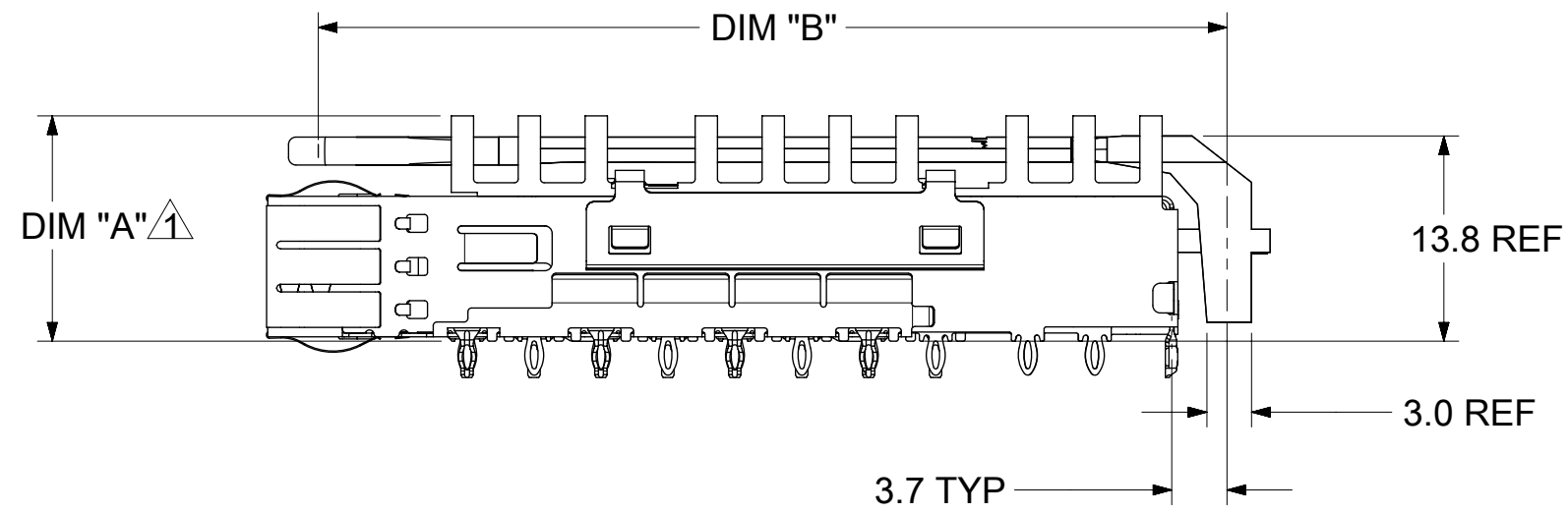
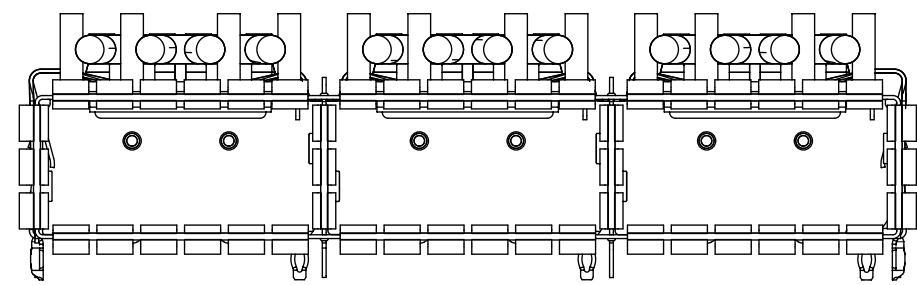
HEAT SINK/CLIP ASSY



SPRING FINGER



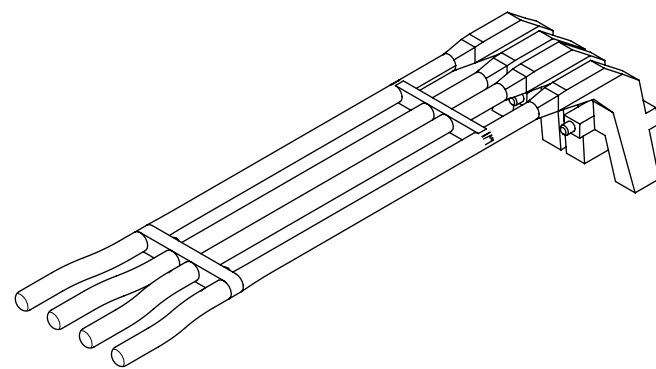
REAR LEG OPTIONS



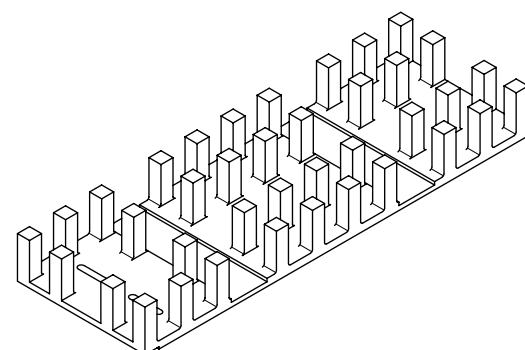
HEATSINK AND LIGHT PIPE COMBINATIONS

HEATSINK USED WITHOUT LIGHTPIPE

QUAD LIGHT PIPE



HEATSINK



HEATSINK HEIGHT OPTIONS

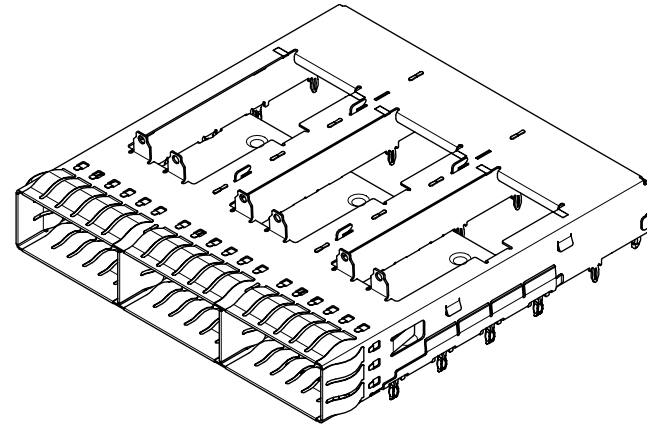
OVERALL HEAT SINK HEIGHT	DIM "A"
PCI	13.7 REF
SAN	16.0 REF
NET	23.0 REF

HEIGHT OF HEAT SINK WITH MODULE INSERTED. DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK 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 REV TABLE	
	DIMENSION UNITS	SCALE		
$\nabla_A = 0$	mm	2:1		
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$\nabla_P = 0$	ANGULAR TOL $\pm 2.0^\circ$			
DIVISIONAL SYMBOLS	4 PLACES	\pm	EC NO: 698867	
	3 PLACES	\pm	DRWN: VISHNM2	2022/02/22
	2 PLACES	± 0.13	CHK'D: TKUMARKC	2022/03/16
	1 PLACE	± 0.25	APPR: JCHIANG	2022/03/17
0 PLACES	\pm	INITIAL REVISION:		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE	100016
DOCUMENT STATUS		DOC TYPE	DOC PART	REVISION
P1	RELEASE DATE	1000163200	PSD	ASY
2022/03/17	10:10:57	1000163200	GENERAL MARKET	A
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
SEE P/N TABLE		GENERAL MARKET	2 OF 7	

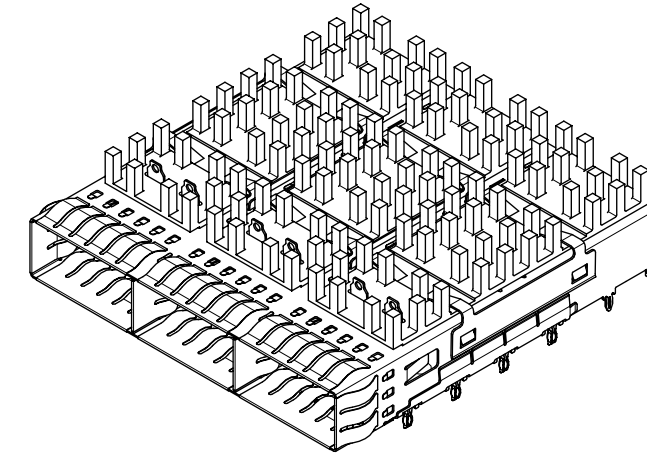
PART NUMBER SELECTION

NO HEATSINKS
NO LIGHT PIPES
OPEN TOP



MOLEX P/N W/ SPRING FINGERS	#OF REAR LEGS PER PORT
1000163252	1

WITH HEATSINKS
NO LIGHT PIPES

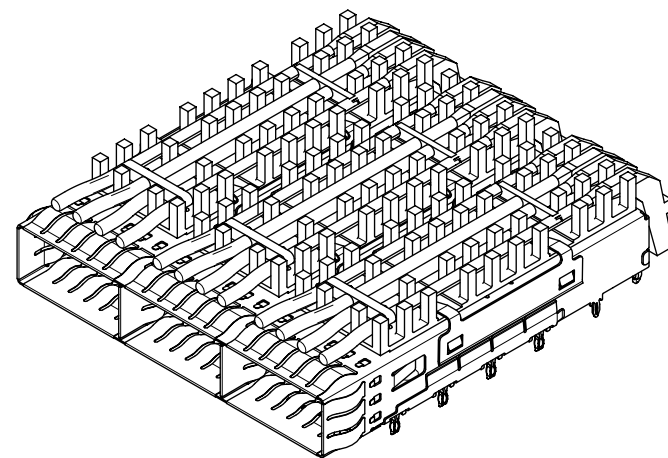


MOLEX P/N	HEATSINKS	#OF REAR LEGS PER PORT
1000163340	PCI	0
1000163345	NET	1

WITH HEATSINKS AND LIGHT PIPES

MOLEX P/N	LIGHTPIPES	HEATSINKS	#OF REAR LEGS PER PORT	DIM "B"
1000163547	QUAD	SAN	1	61.07 REF

QUAD LIGHT PIPE



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 REV TABLE								
$\frac{F}{A} = 0$	mm	1:1	EC NO: 698867								
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: VISHNM2 2022/02/22							PRODUCT CUSTOMER DRAWING	
$\frac{F}{D} = 0$	ANGULAR TOL $\pm 2.0^\circ$		CHK'D: TKUMARKC 2022/03/16							DOCUMENT NUMBER	
DIVISIONAL SYMBOLS	4 PLACES \pm		APPR: JCHIANG 2022/03/17							1000163200	
	3 PLACES \pm		INITIAL REVISION:							DOC TYPE	
	2 PLACES ± 0.13		DRWN: VISHNM2 2022/02/22							PSD	
	1 PLACE ± 0.25		APPR: JCHIANG 2022/03/17							ASY	
0 PLACES \pm		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				C-SIZE		100016		SEE P/N TABLE		GENERAL MARKET	
								SHEET NUMBER		REVISION	
								3 OF 7		A	

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/17 10:10:57
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PCB LAYOUT FOR SINGLE SIDED MOUNTING

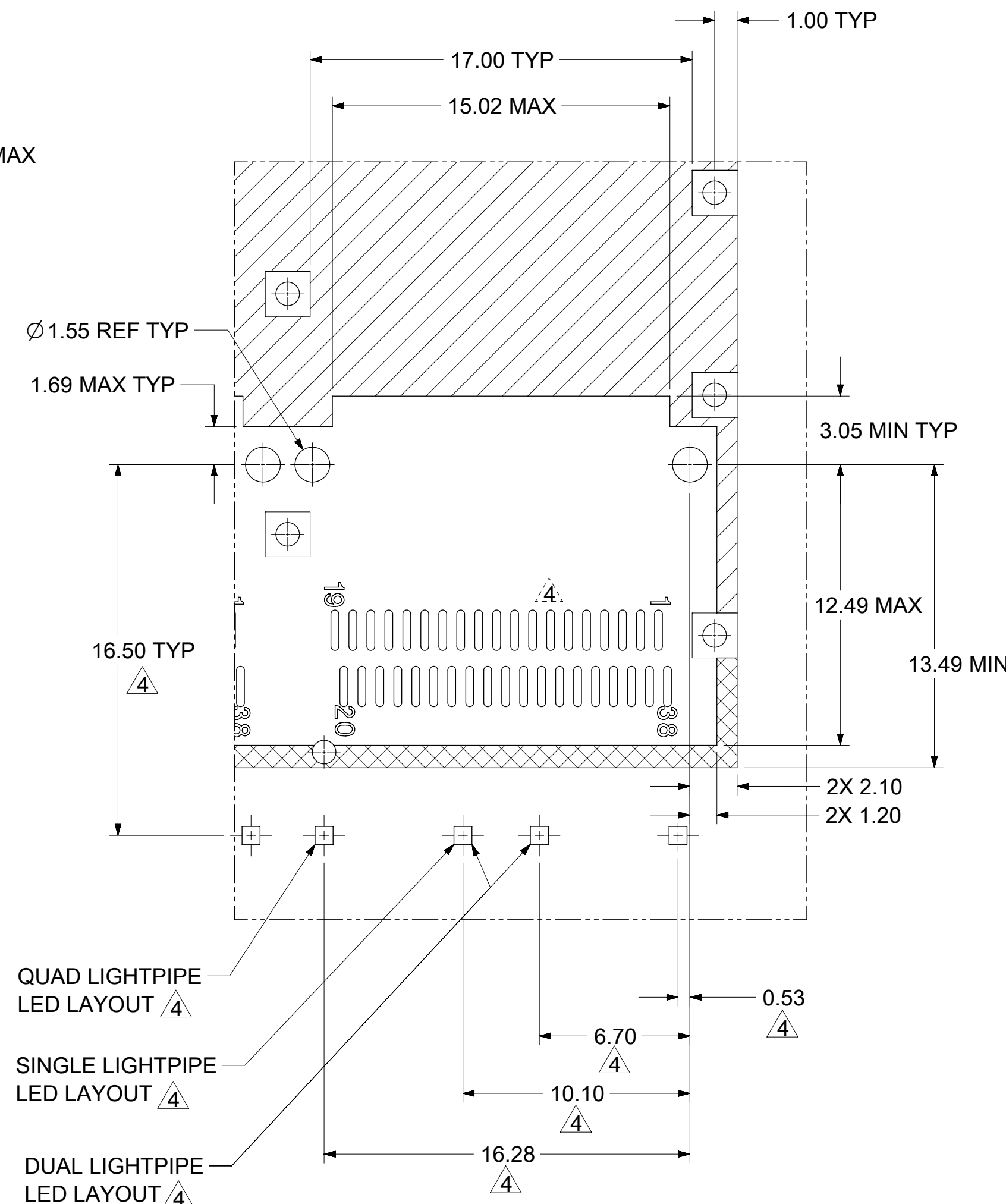
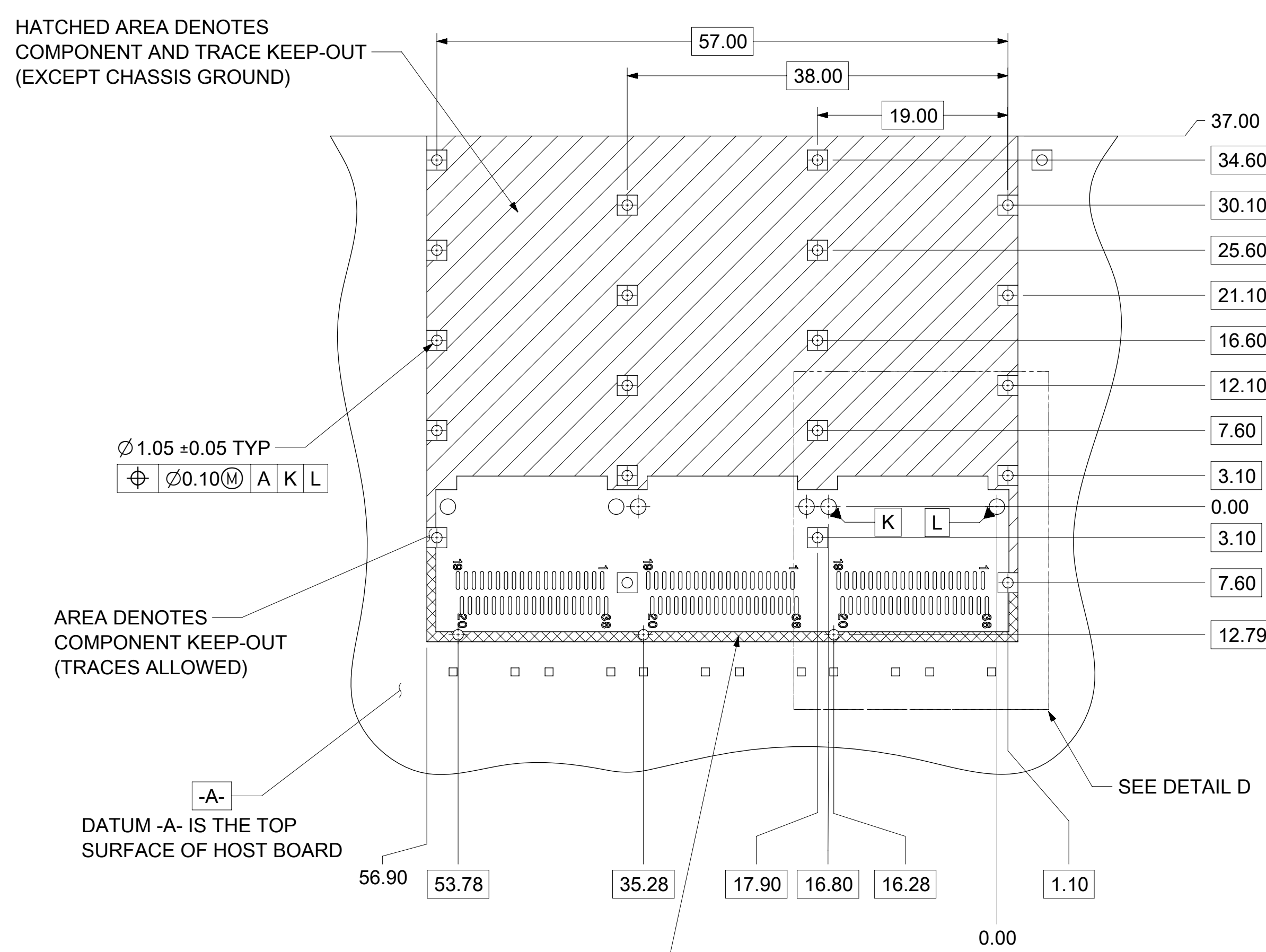
HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

Ø 1.05 ± 0.05 TYP
 ⊕ Ø 0.10 (M) A K L

AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

DATUM -A- IS THE TOP SURFACE OF HOST BOARD

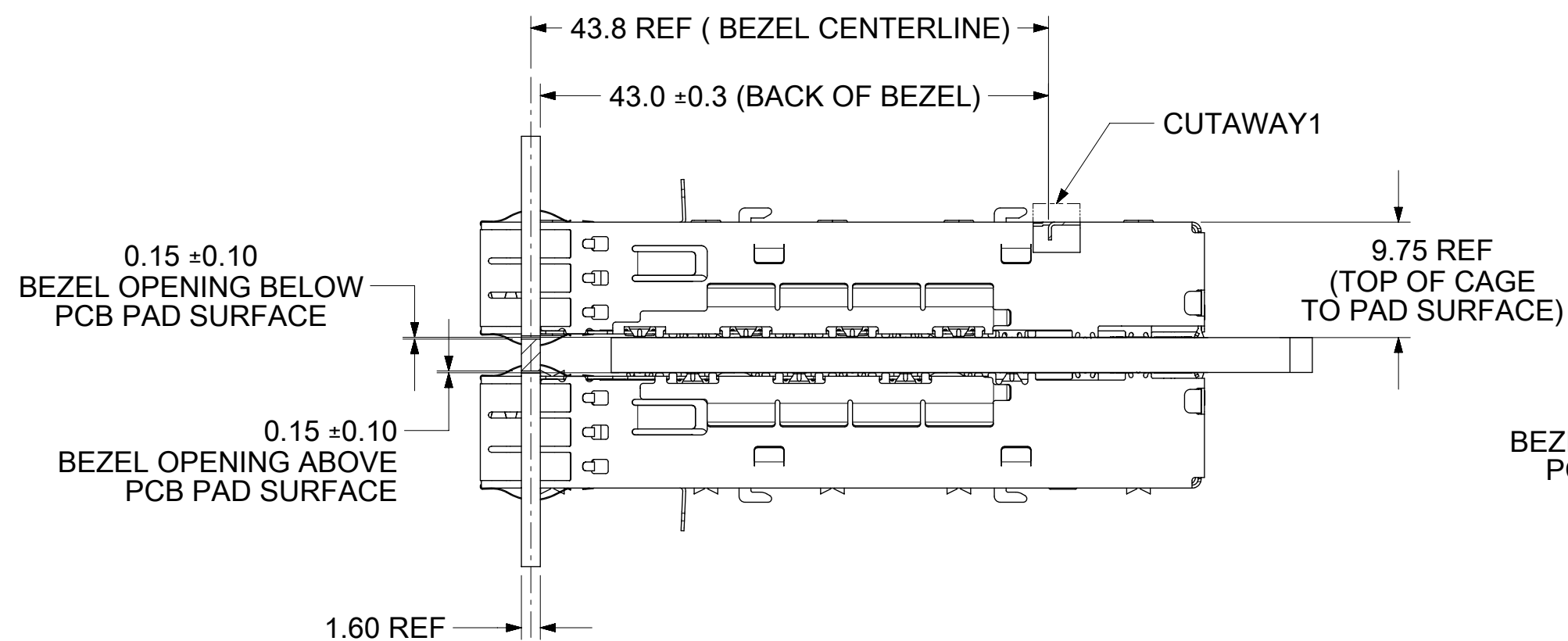
CROSS HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED



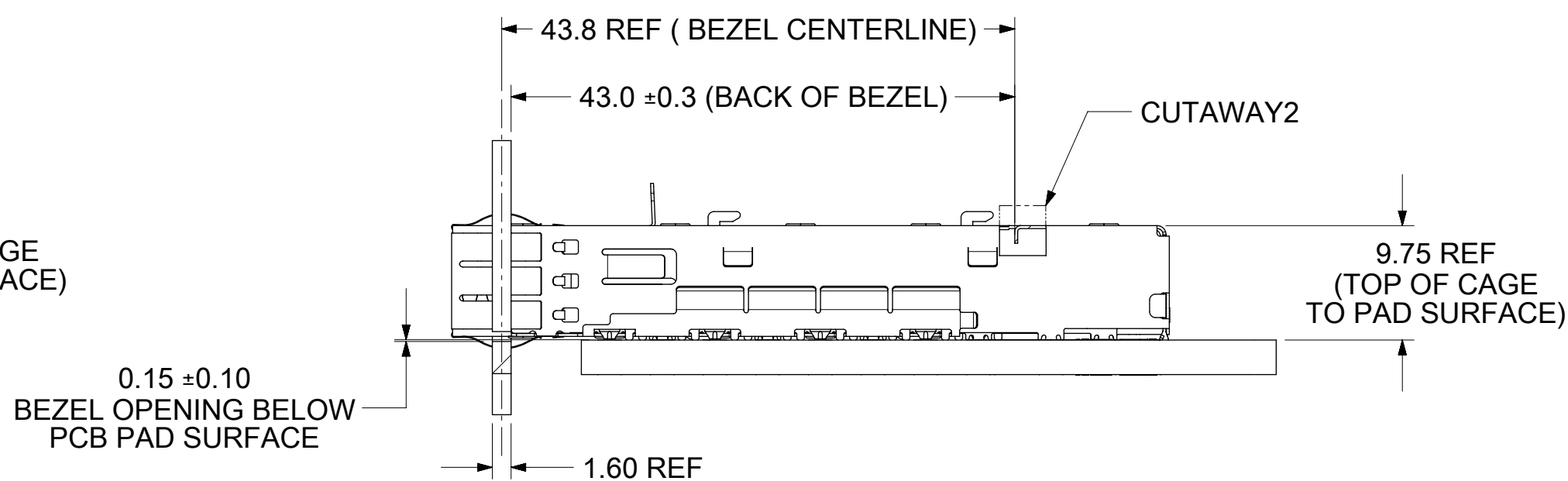
- NOTES:
- PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 - CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.
- ⚠ NOTED DIMENSIONS ONLY APPLY TO CAGE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

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 REV TABLE			
	DIMENSION UNITS	SCALE				
$\frac{F}{A} = 0$	mm	3.5:1			ZQSFP+ 1X3 GANGED CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS	
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\frac{F}{P} = 0$	ANGULAR TOL ± 2.0°				PRODUCT CUSTOMER DRAWING	
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 698867	2022/02/22		
	3 PLACES	±	DRWN: VISHNM2	2022/03/16		
	2 PLACES	± 0.13	CHK'D: TKUMARKC	2022/03/17		
	1 PLACE	± 0.25	APPR: JCHIANG			
	0 PLACES	±	INITIAL REVISION:			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: VISHNM2	2022/02/22		
	THIRD ANGLE PROJECTION		APPR: JCHIANG	2022/03/17		
	DRAWING	SERIES	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
	C-SIZE	100016	1000163200	PSD	ASY	A
			MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
				GENERAL MARKET	4 OF 7	

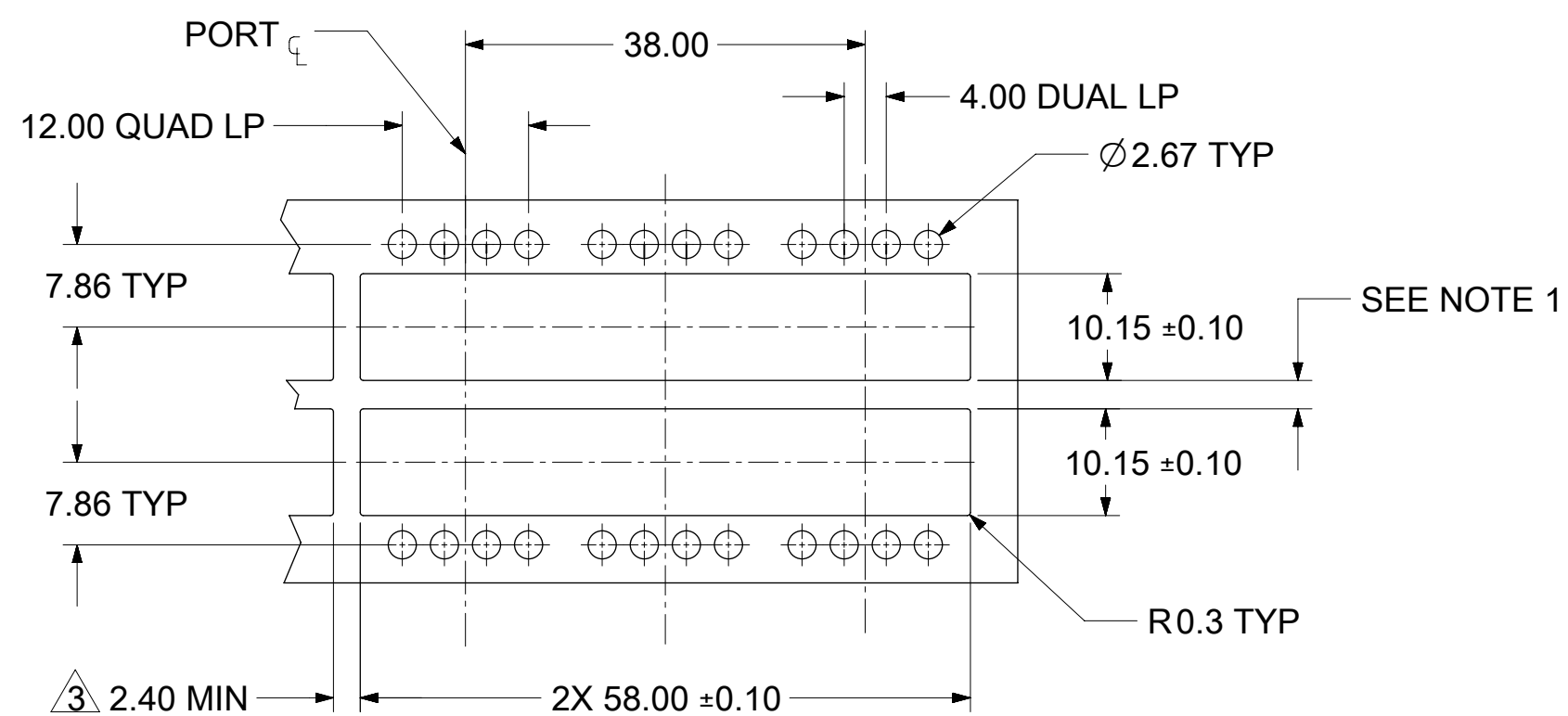
BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



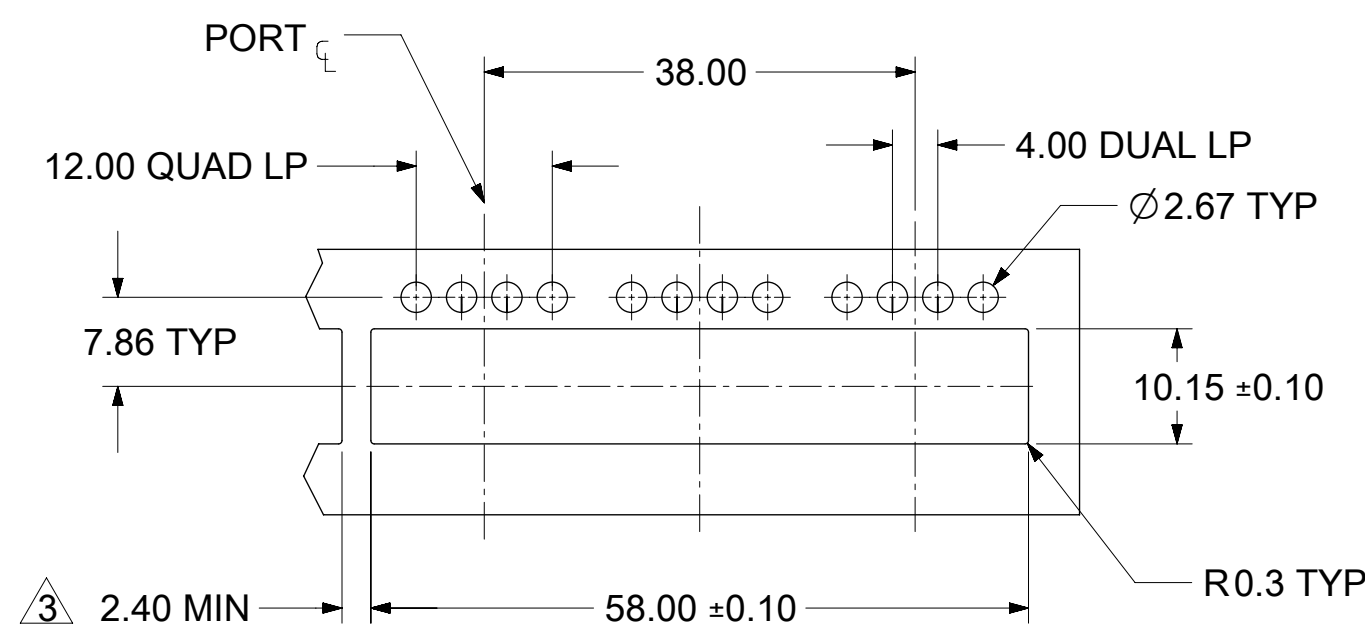
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



DUAL/QUAD LIGHT PIPE ²




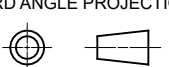
DUAL LIGHT PIPE ²



- 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 ADIACENT CAGE" ON PCB LAYOUT.)

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REV TABLE				
	DIMENSION UNITS	SCALE	EC NO: 698867				
	mm	2:1	DRWN: VISHNM2 2022/02/22				
GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: TKUMARKC 2022/03/16		ZQSFP+ 1X3 GANGED CAGE ASSY'S W/ SUS TAB TYPE SPRING FINGER, H/S & L/P OPTIONS			
ANGULAR TOL ± 2.0°		APPR: JCHIANG 2022/03/17					
4 PLACES ±		INITIAL REVISION:		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 1000163200 DOC TYPE: PSD DOC PART: ASY REVISION: A			
3 PLACES ±		DRWN: VISHNM2 2022/02/22					
2 PLACES ± 0.13		APPR: JCHIANG 2022/03/17		MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 6 OF 7			
1 PLACE ± 0.25		DRWN: VISHNM2 2022/02/22					
0 PLACES ±		APPR: JCHIANG 2022/03/17		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
THIRD ANGLE PROJECTION		DRAWING SERIES: C-SIZE 100016					

REV	DATE	DESCRIPTION
A	2022/02/22	RELEASE

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 REV TABLE											
$\frac{F}{A} = 0$	mm	1:1	EC NO: 698867 DRWN: VISHNM2 2022/02/22 CHK'D: TKUMARKC 2022/03/16 APPR: JCHIANG 2022/03/17 INITIAL REVISION: DRWN: VISHNM2 2022/02/22 APPR: JCHIANG 2022/03/17									DOCUMENT NUMBER		DOC TYPE
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)									1000163200		PSD	ASY	A
$\frac{F}{P} = 0$	ANGULAR TOL ± 2.0°									SEE P/N TABLE		GENERAL MARKET		SHEET NUMBER
DIVISIONAL SYMBOLS	4 PLACES	±	THIRD ANGLE PROJECTION							MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
	3 PLACES	±								100016		GENERAL MARKET	7 OF 7	
	2 PLACES	± 0.13	DRAWING							C-SIZE		SERIES		
	1 PLACE	± 0.25	SERIES							100016		100016		
	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SEE P/N TABLE		GENERAL MARKET		

ZQSFP+ 1X3 GANGED CAGE ASSY'S
W/ SUS TAB TYPE SPRING FINGER, H/S & L/P
OPTIONS

PRODUCT CUSTOMER DRAWING