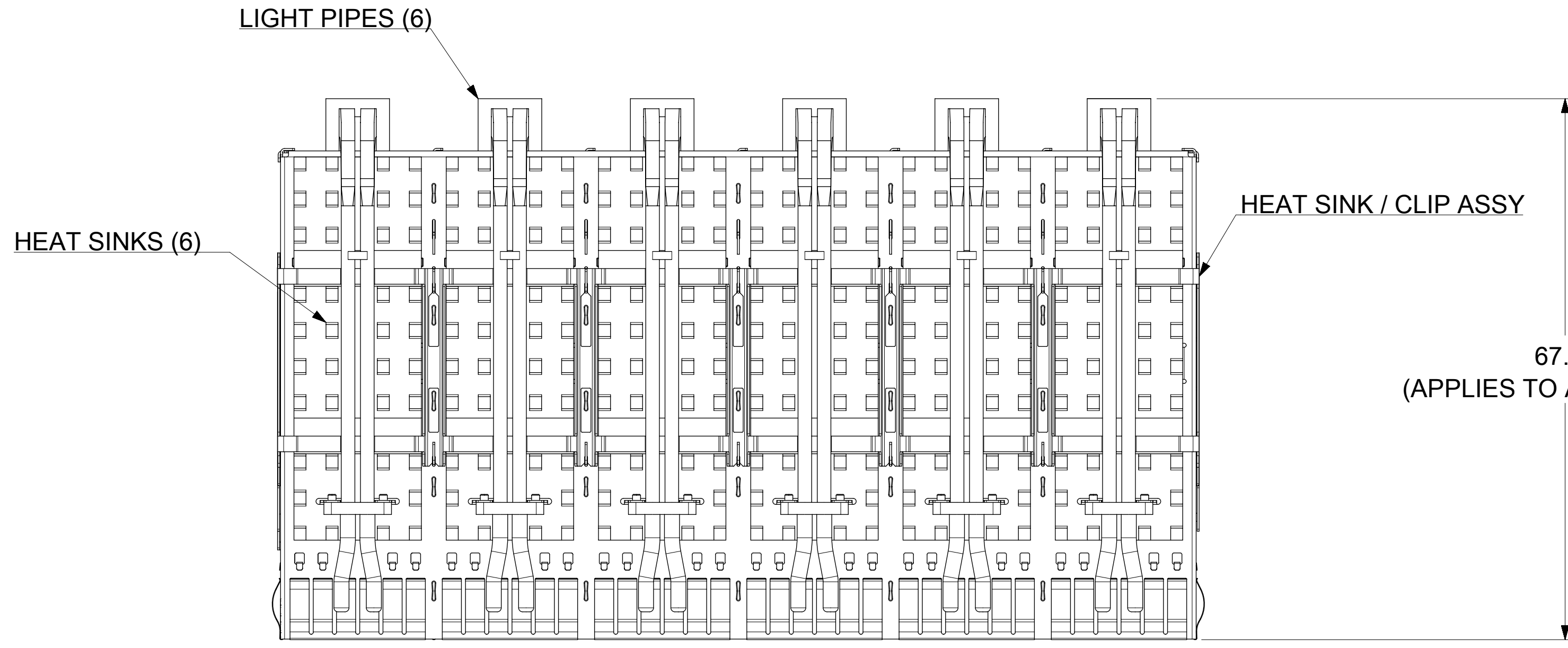


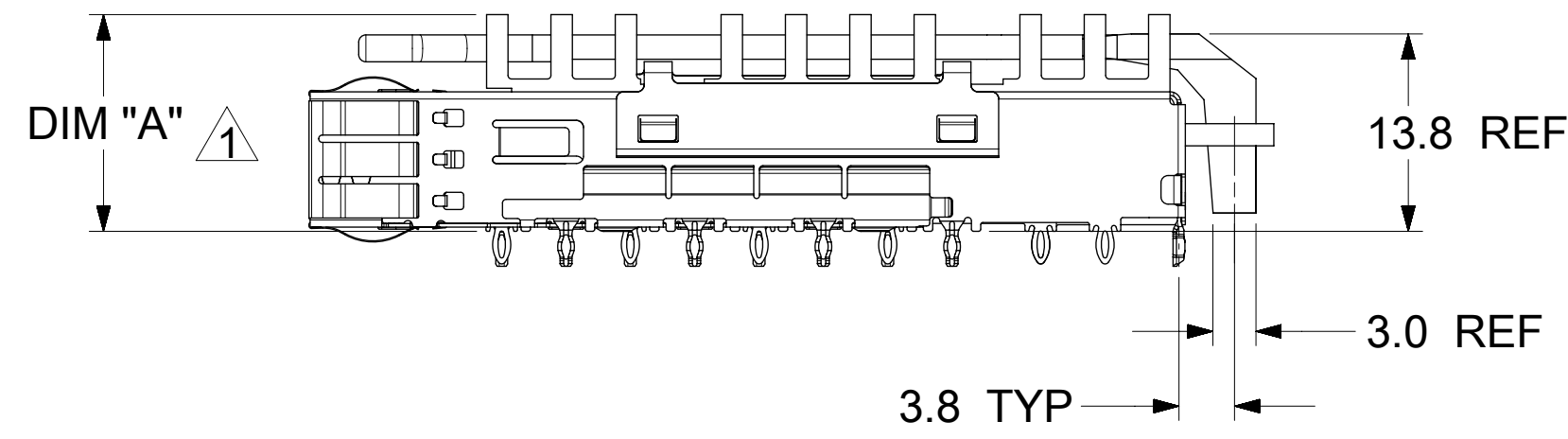
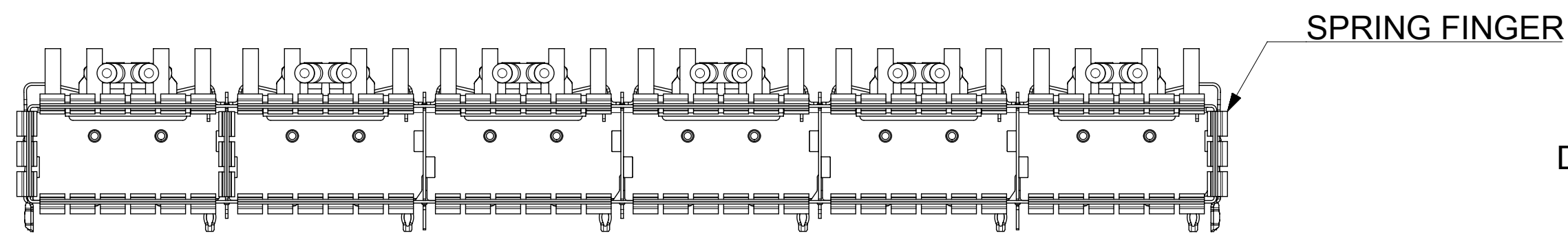
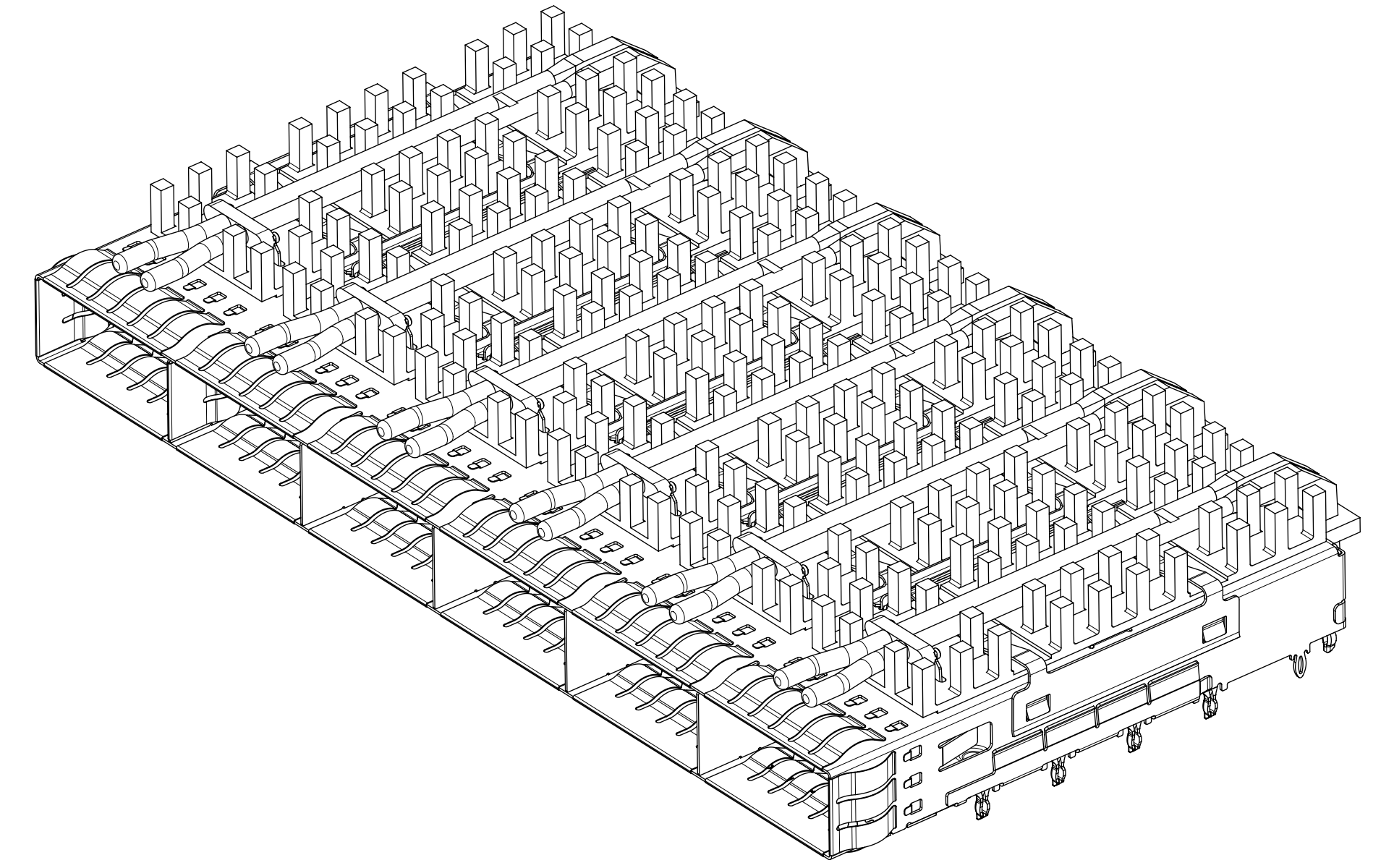
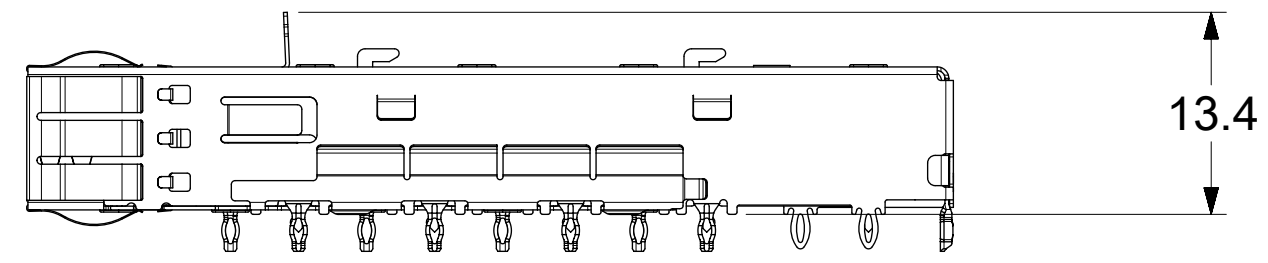


# CAGE ASSEMBLY OPTIONS

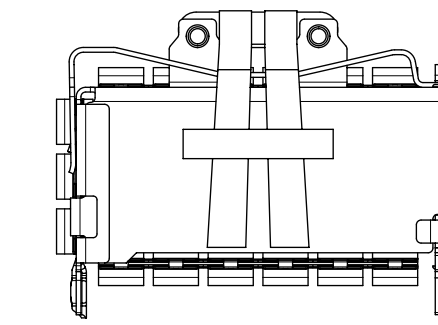
1000861544  
SHOWN



67.48 REF (6)  
(APPLIES TO ALL L/P APPLICATIONS)

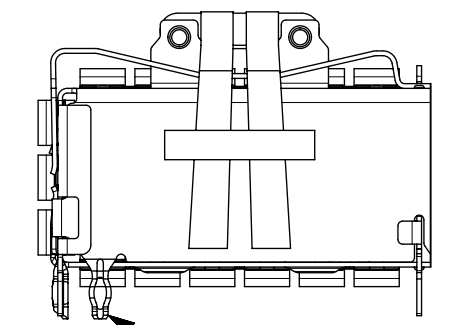


## REAR LEG OPTIONS



0 REAR LEG

Partial1  
Scale 2.5:1



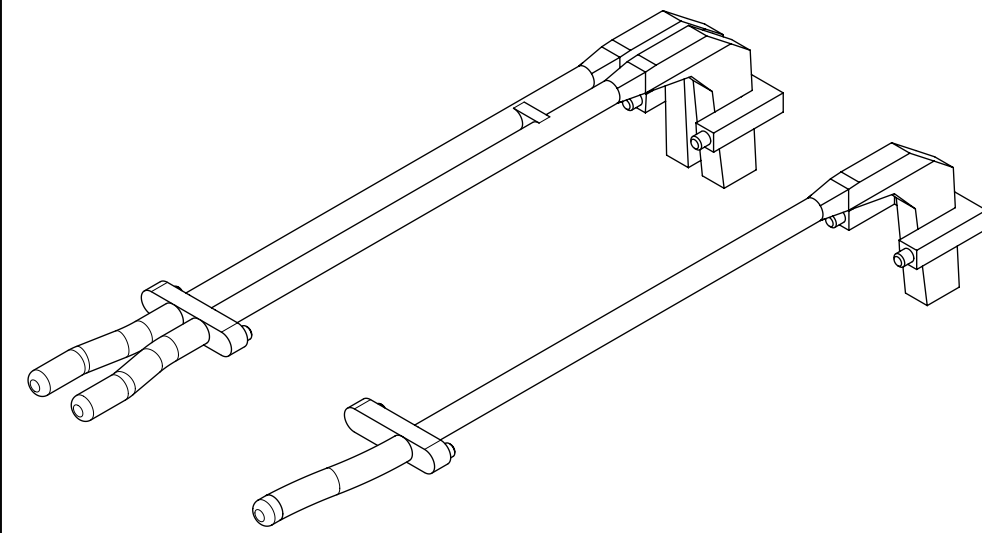
1 REAR LEG

Partial2  
Scale 2.5:1

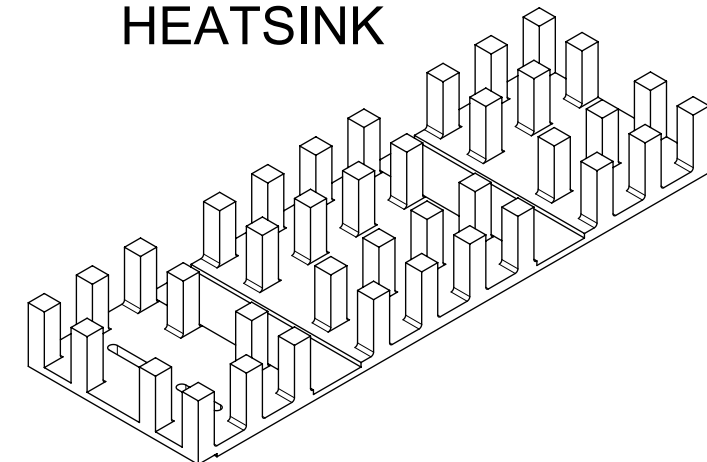
## HEATSINK AND LIGHT PIPE COMBINATIONS

HEATSINK  
USED  
WITHOUT  
LIGHTPIPE

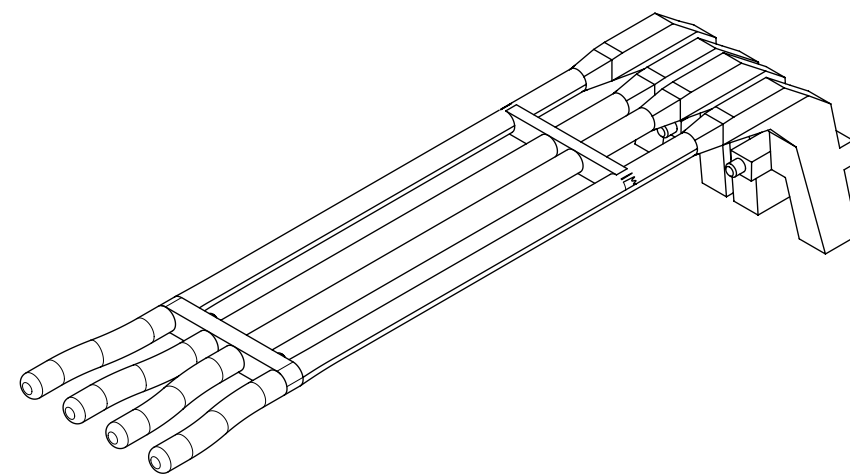
SINGLE / DUAL LIGHT PIPE



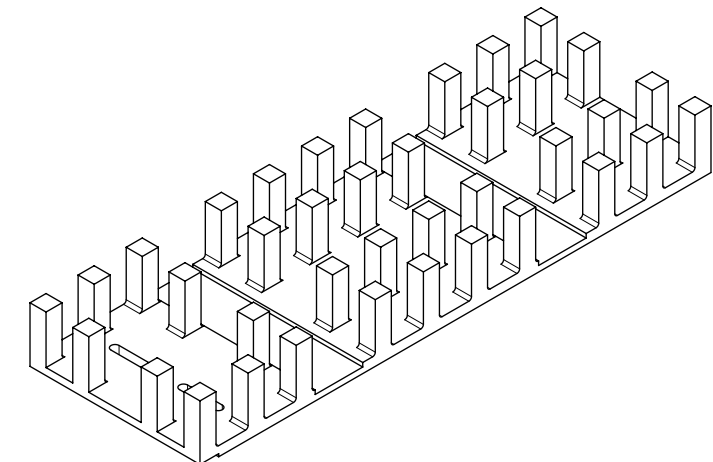
HEATSINK



QUAD LIGHT PIPE



HEATSINK



## HEATSINK HEIGHT OPTIONS

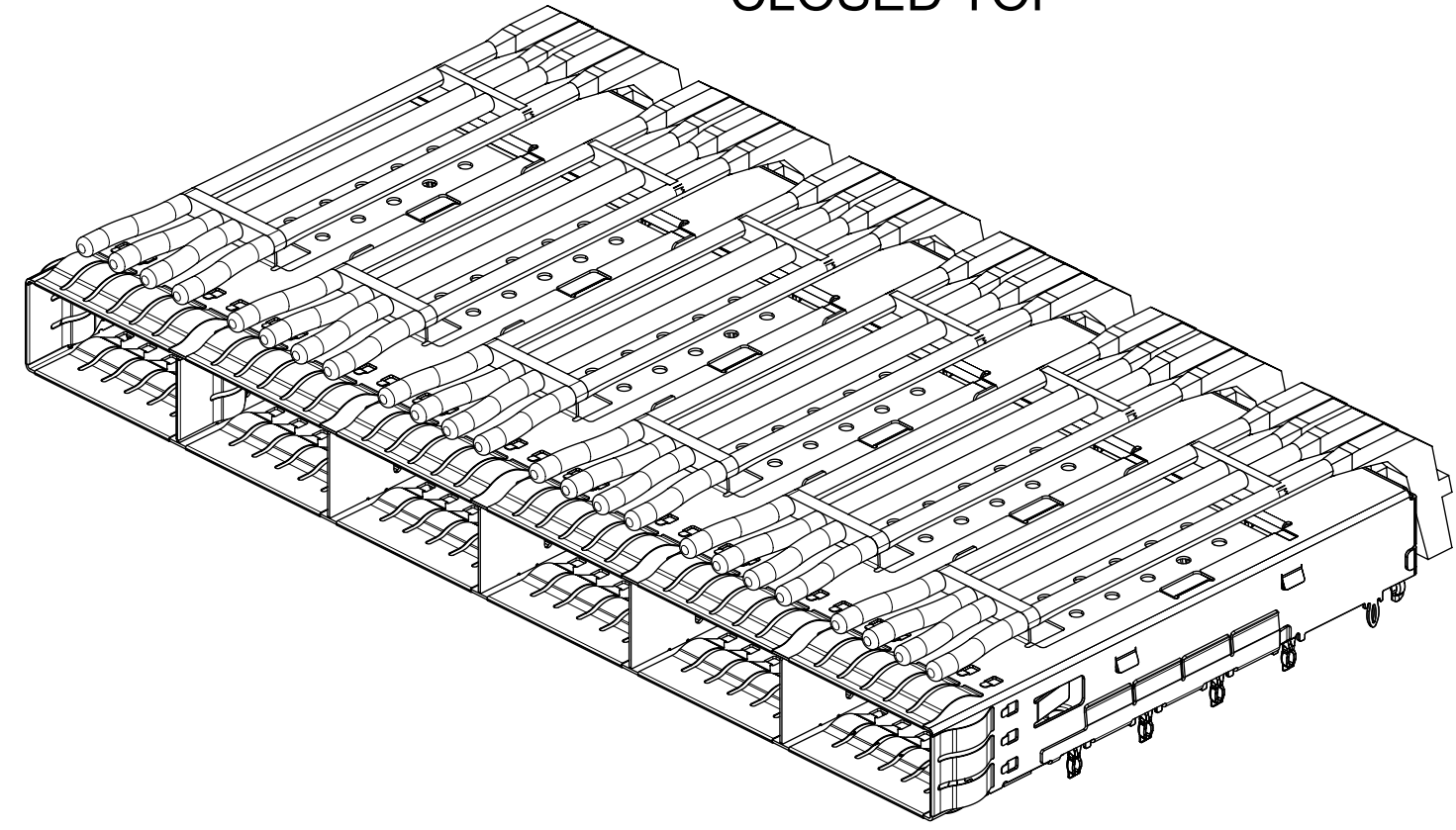
OVERALL HEAT SINK HEIGHT	DIM "A"
PCI	13.7 REF
SAN	16.0 REF
NET	23.0 REF

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

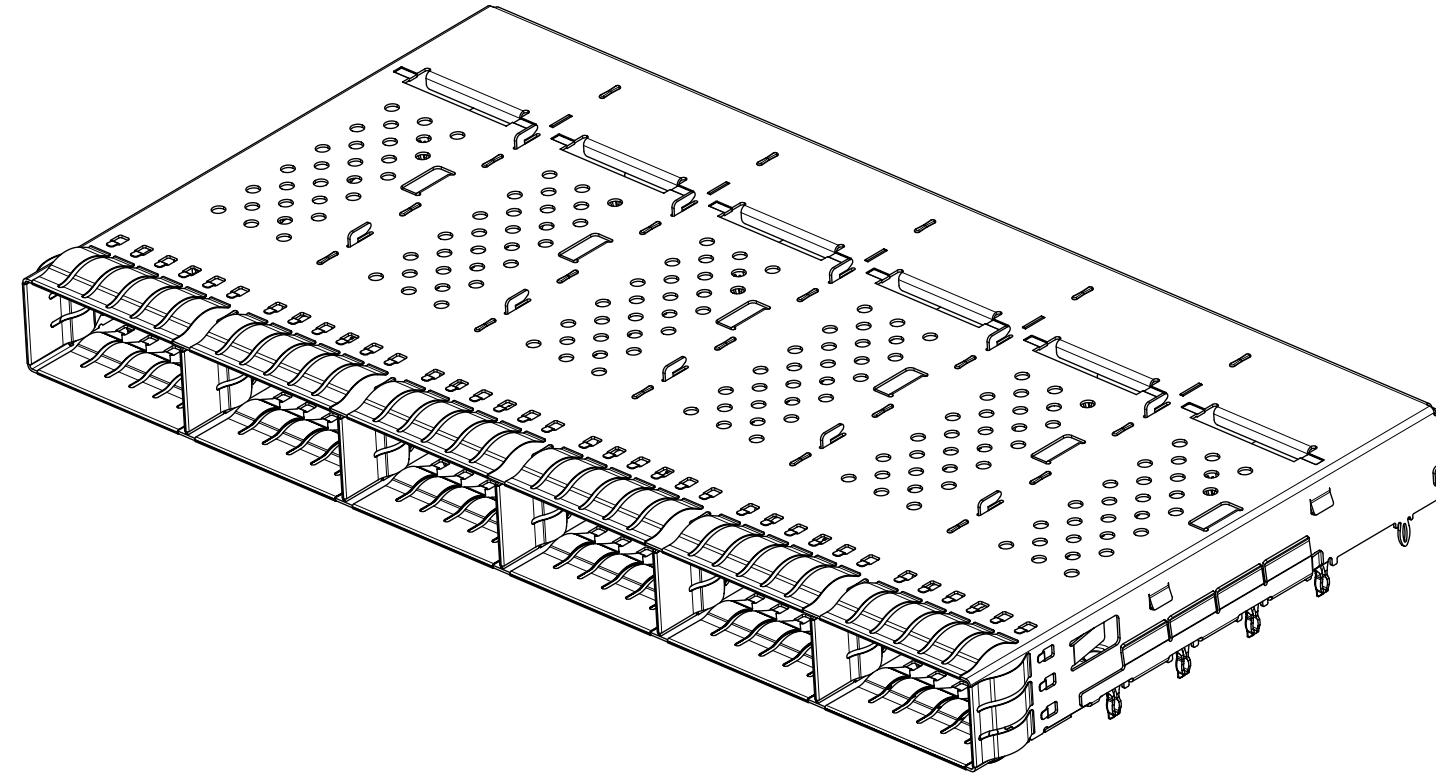
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NO	
	DIMENSION UNITS	SCALE		
= 0	mm	2:1		
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
= 0	ANGULAR TOL ± 2.0°			
= 0	4 PLACES ±	EC NO: 625872		
= 0	3 PLACES ±	DRWN: AKUMAR19 2019/08/27		
= 0	2 PLACES ± 0.13	CHK'D: GB 2019/11/06		
= 0	1 PLACE ± 0.25	APPR: GGA 2019/11/12		
= 0	0 PLACES ±	INITIAL REVISION:		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KUCHILA 2015/06/17	
= 0	THIRD ANGLE PROJECTION		APPR: RCHEN08 2015/12/22	
		DRAWING	SERIES	
		D-SIZE	100086	
DOCUMENT STATUS		DOCUMENT NUMBER	DOC TYPE	DOC PART
P1	1000861200	PSD	SD	J1
RELEASE DATE	CUSTOMER	SHEET NUMBER		
2019/11/12 07:19:49	GENERAL MARKET	2 OF 7		

# PART NUMBER SELECTION

NO HEATSINKS  
WITH LIGHT PIPES  
CLOSED TOP

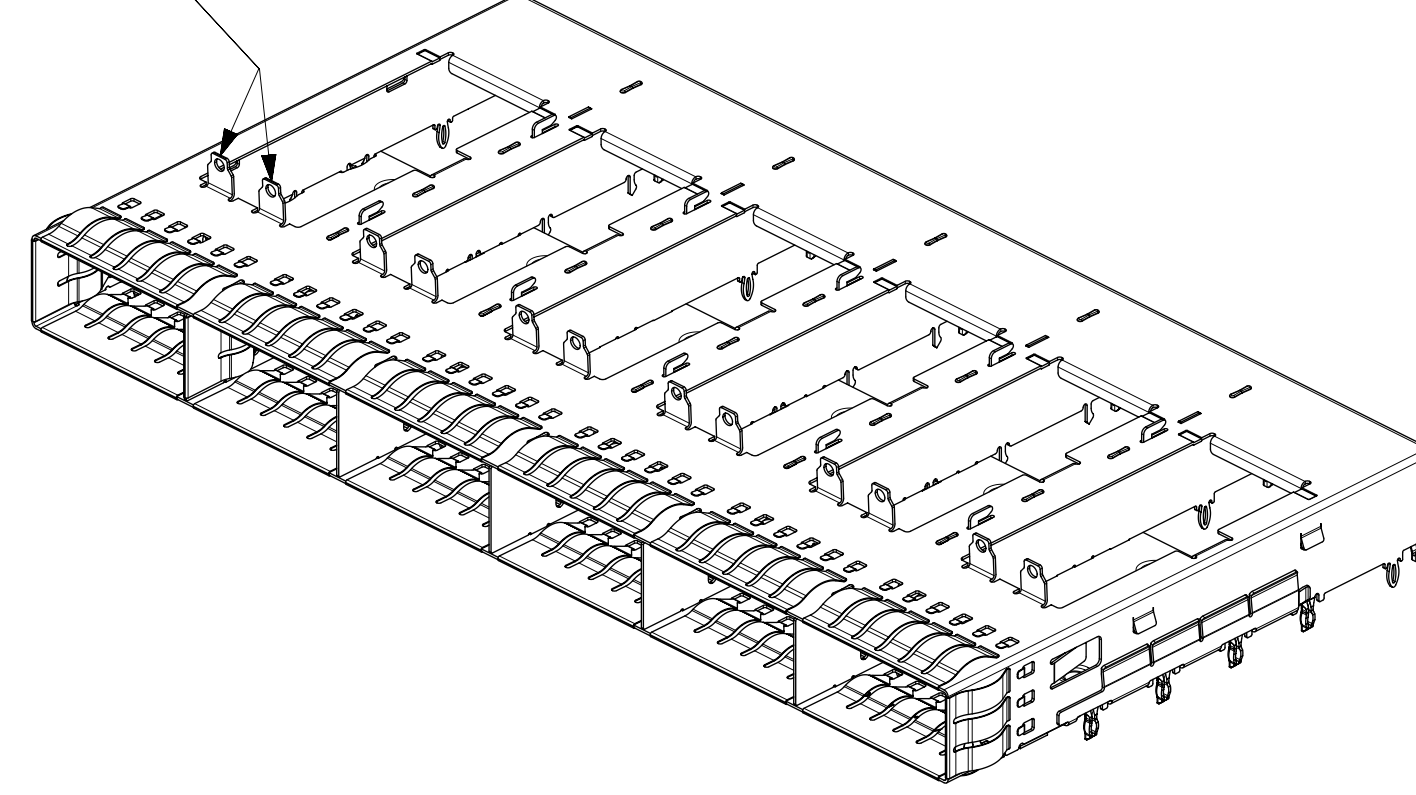


NO HEATSINKS  
NO LIGHT PIPES  
CLOSED TOP

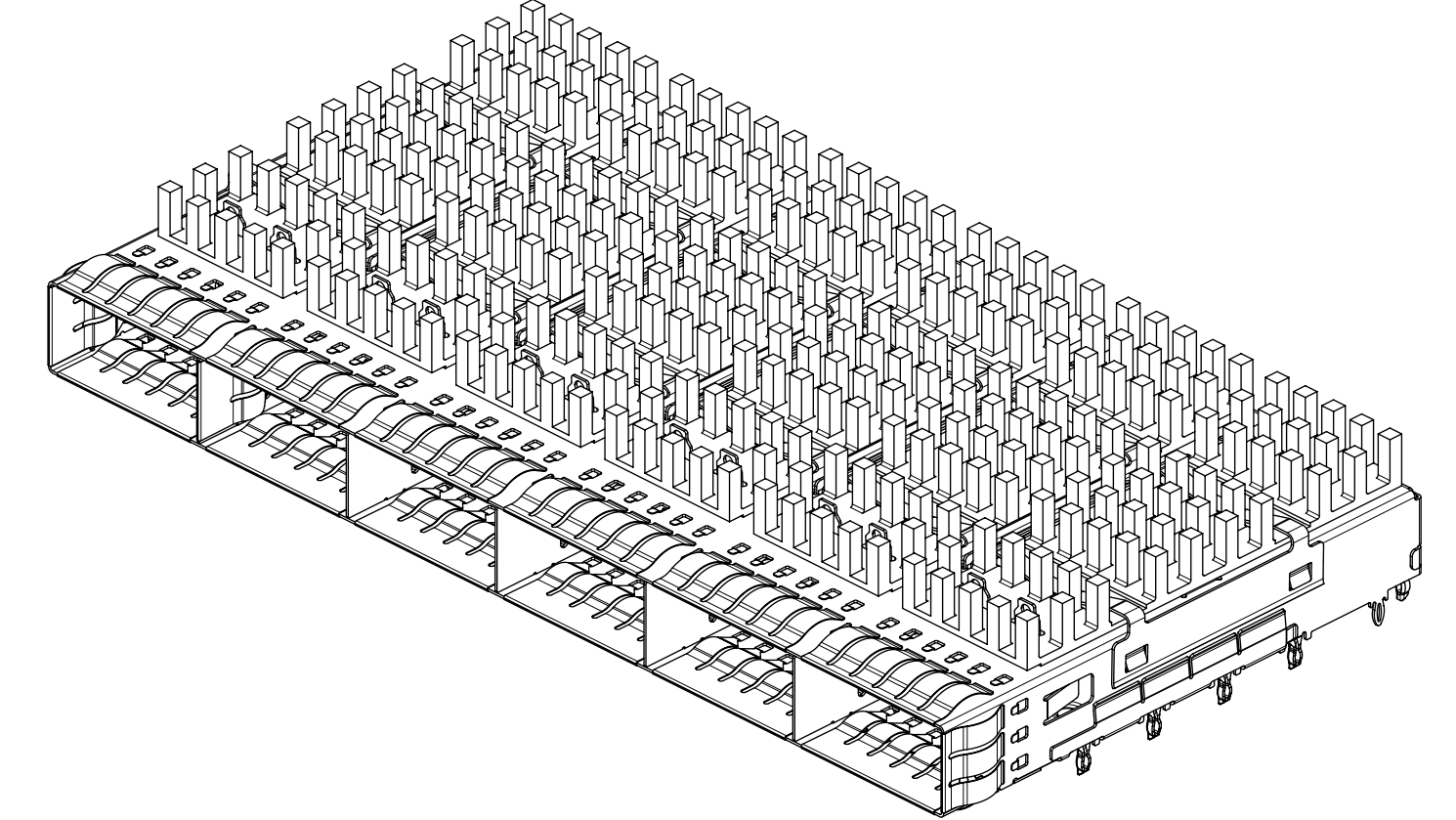


LIGHT PIPE FEATURE

NO HEATSINKS  
NO LIGHT PIPES  
OPEN TOP



WITH HEATSINKS  
NO LIGHT PIPES



MOLEX P/N	LIGHT PIPES	# OF REAR LEGS PER PORT
1000861232	SINGLE	1
1000861233	DUAL	0
1000861234	DUAL	1
1000861235	QUAD	0
1000861236	QUAD	1

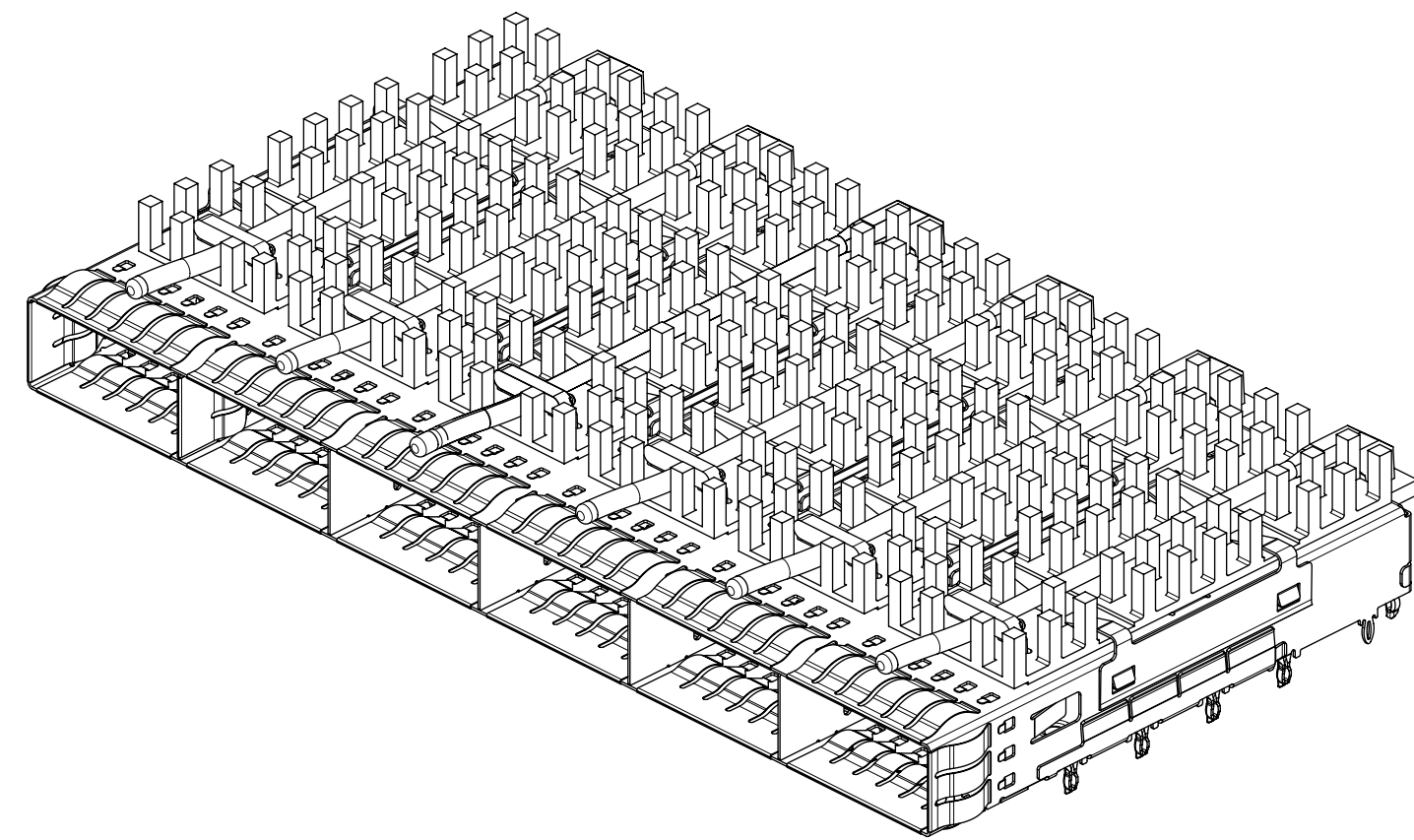
MOLEX P/N W/ SPRING FINGERS	# OF REAR LEGS PER PORT
⚠ 1000861240	0
1000861242	1

MOLEX P/N W/ SPRING FINGERS	# OF REAR LEGS PER PORT	LIGHT PIPE FEATURE
⚠ 1000861250	0	YES
1000861255	1	NO

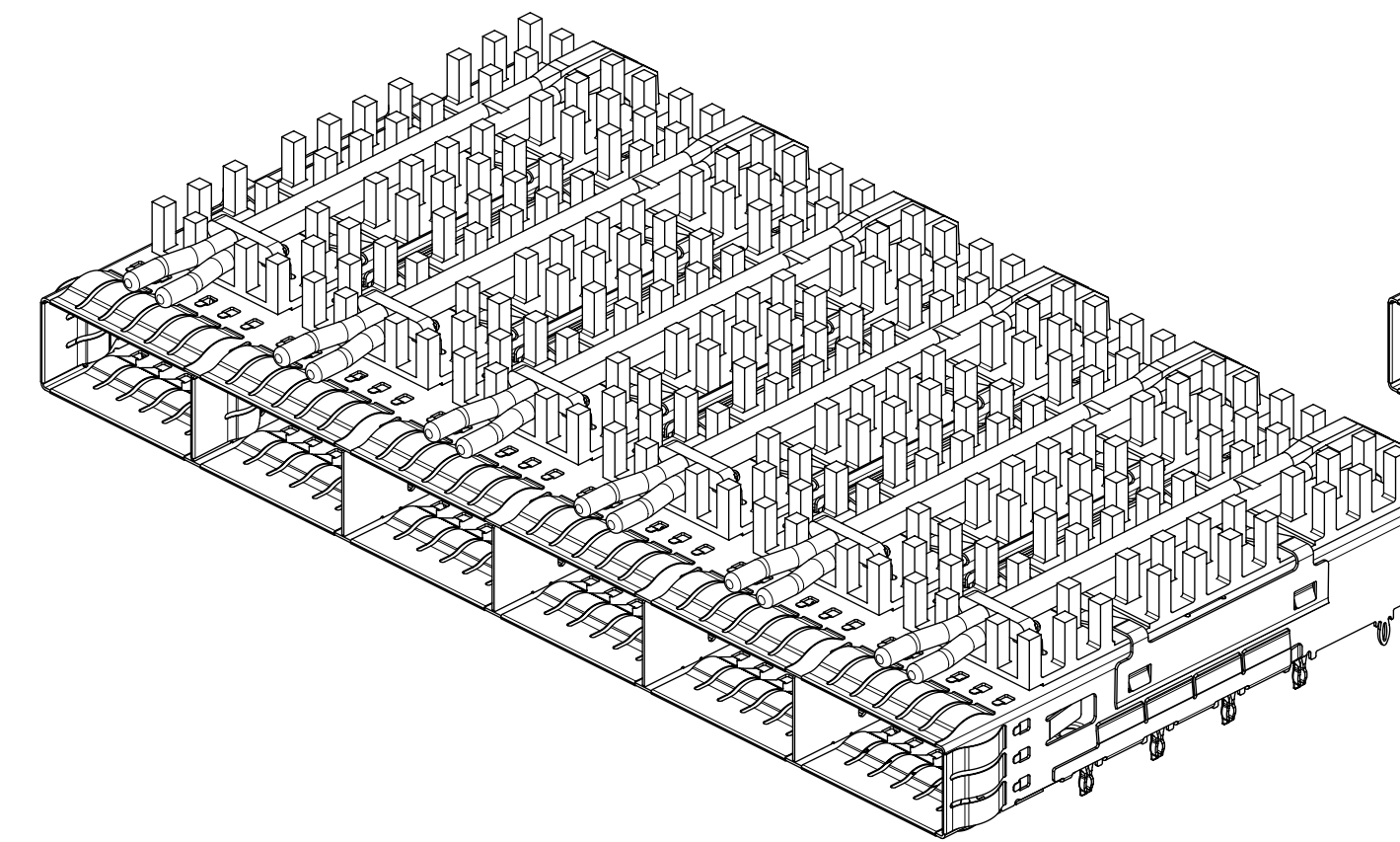
MOLEX P/N	HEATSINKS	# OF REAR LEGS PER PORT
1000861340	PCI	0
1000861341	SAN	0
1000861342	NET	0
1000861344	SAN	1
1000861345	NET	1

## WITH HEATSINKS AND LIGHT PIPES

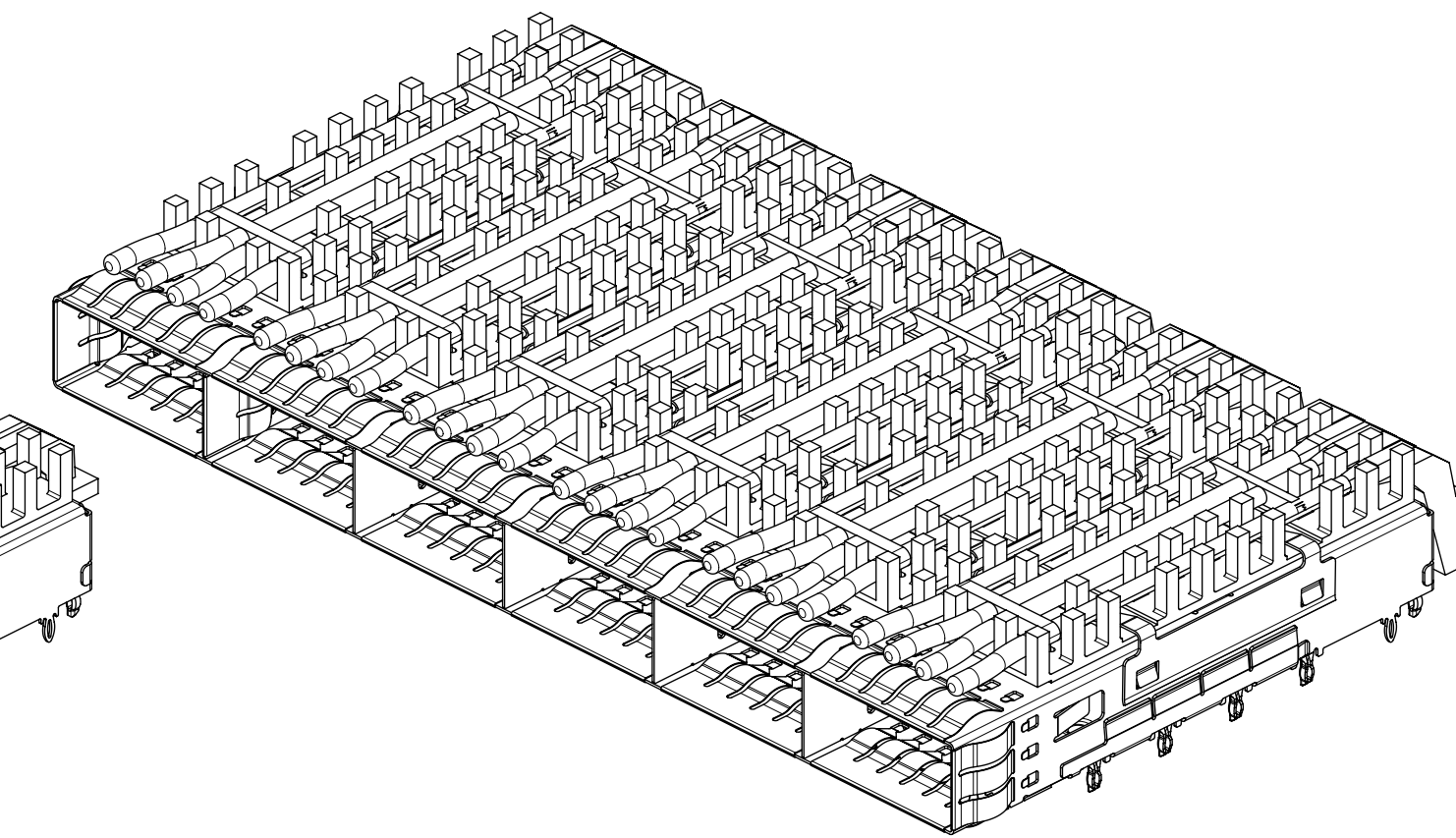
SINGLE LIGHT PIPE



DUAL LIGHT PIPE



QUAD LIGHT PIPE



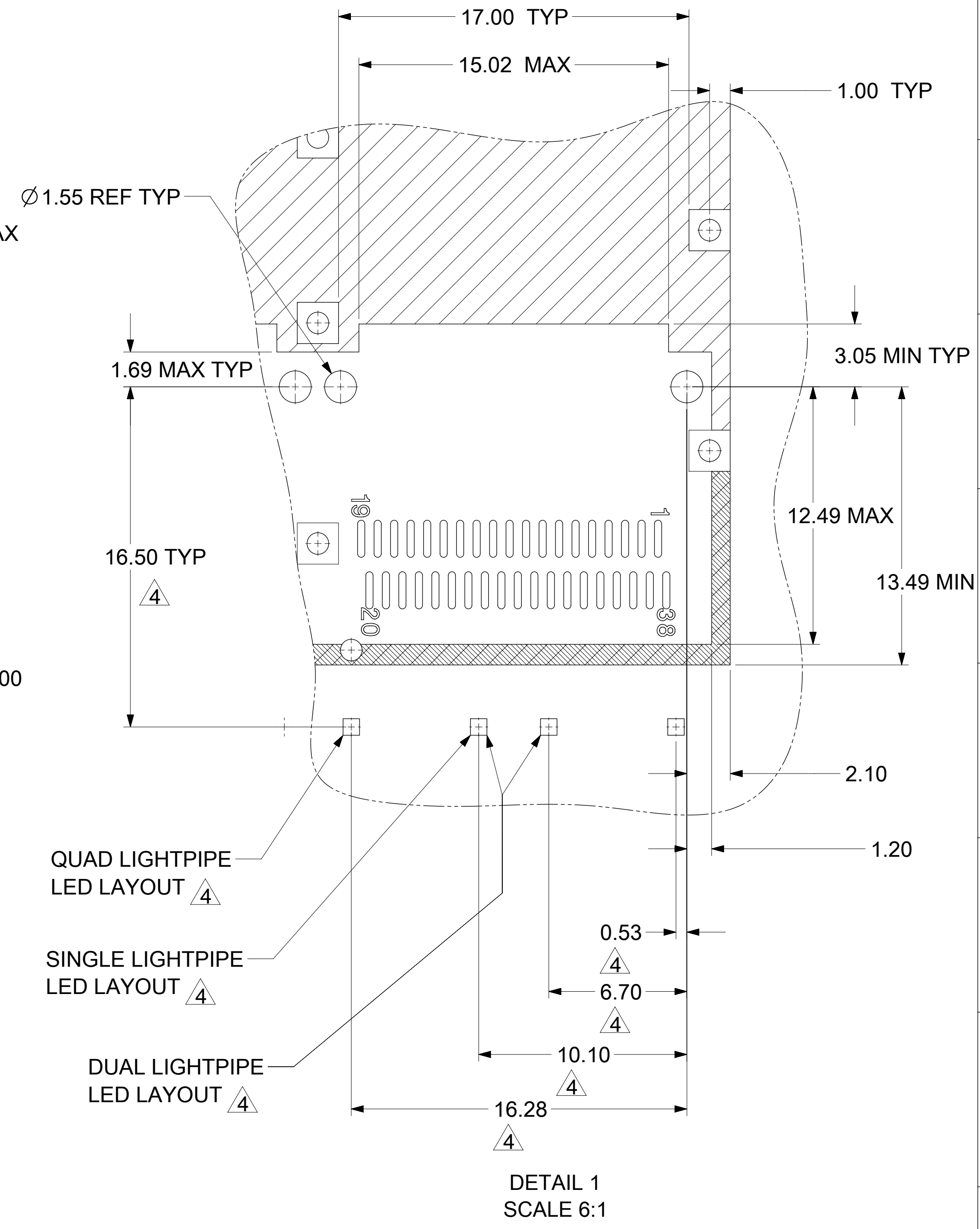
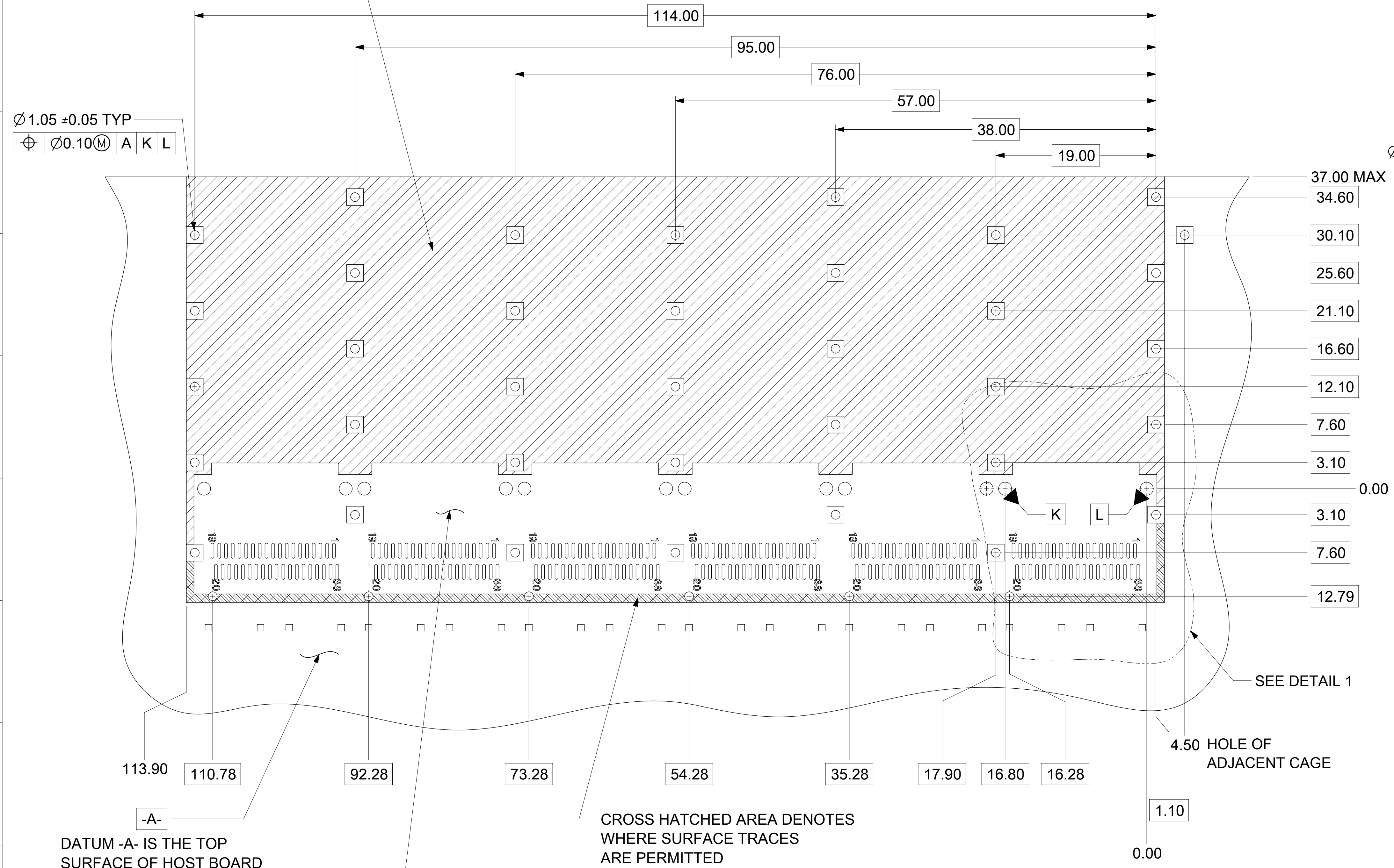
NOTE:  
⚠ OBSOLETE P/N

MOLEX P/N	LIGHTPIPES	HEATSINKS	#OF REAR LEGS PER PORT
1000861440	SINGLE	PCI	0
1000861441	SINGLE	SAN	0
1000861442	SINGLE	NET	0
1000861443	DUAL	PCI	0
1000861444	DUAL	SAN	0
1000861445	DUAL	NET	0
1000861446	QUAD	PCI	0
1000861447	QUAD	SAN	0
1000861448	QUAD	NET	0
1000861540	SINGLE	PCI	1
1000861541	SINGLE	SAN	1
1000861542	SINGLE	NET	1
1000861543	DUAL	PCI	1
1000861544	DUAL	SAN	1
1000861545	DUAL	NET	1
1000861546	QUAD	PCI	1
1000861547	QUAD	SAN	1
1000861548	QUAD	NET	1

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NO	
	DIMENSION UNITS	SCALE		
▽ = 0	mm	1.5:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL ± 2.0°			
▽ = 0	4 PLACES	±	EC NO: 625872	
▽ = 0	3 PLACES	±	DRWN: AKUMAR19 2019/08/27	
▽ = 0	2 PLACES	± 0.13	CHK'D: GB 2019/11/06	
▽ = 0	1 PLACE	± 0.25	APPR: GGA 2019/11/12	
■ = 0	0 PLACES	±	INITIAL REVISION:	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KUCHILA 2015/06/17	
	THIRD ANGLE PROJECTION		2015/12/22	
	DRAWING		SERIES	
	D-SIZE		100086	
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1000861200		PSD	SD	J1
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE P/N TABLE		GENERAL MARKET		3 OF 7

# PCB LAYOUT FOR SINGLE SIDED MOUNTING

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



Ø 1.05 ±0.05 TYP  
 ⊕ Ø0.10 (M) A K L

DATUM -A- IS THE TOP SURFACE OF HOST BOARD

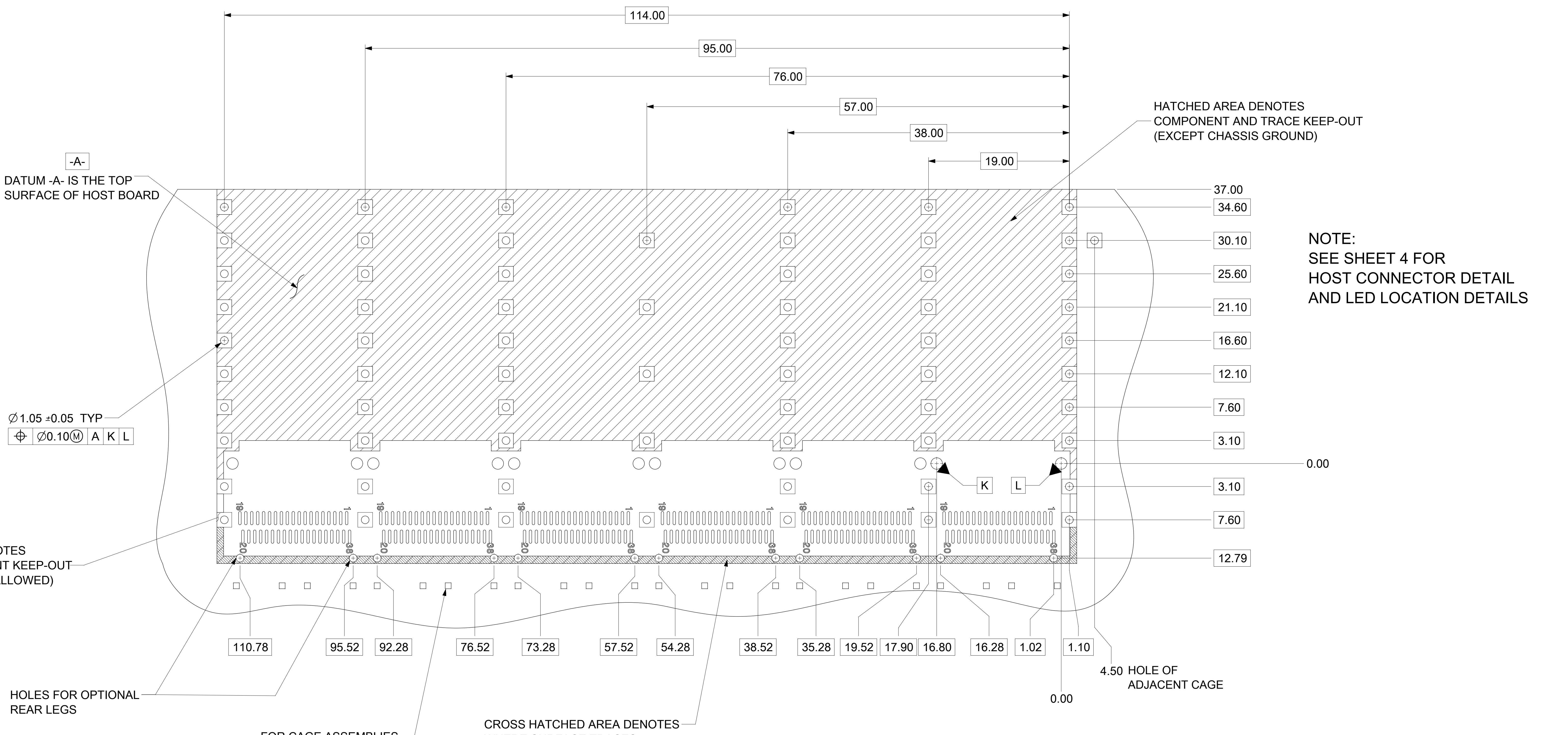
CROSS HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED

- 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.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE	3.5:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 2.0°		
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	±	0.13
▽ = 0	1 PLACE	±	0.25
▽ = 0	0 PLACES	±	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION		
CURRENT REV DESC: OBSOLETE PART NO		EC NO: 625872	
		DRWN: AKUMAR19 2019/08/27	
		CHK'D: GB 2019/11/06	
		APPR: GGA 2019/11/12	
		INITIAL REVISION:	
		DRWN: KUCHILA 2015/06/17	
		APPR: RCHEN08 2015/12/22	
DOCUMENT NUMBER		DOC TYPE	DOC PART
1000861200		PSD	SD
		REVISION	
		J1	
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
SEE P/N TABLE		GENERAL MARKET	4 OF 7

DOCUMENT STATUS	P1	RELEASE DATE	2019/11/12 07:19:49
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# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



-A-  
DATUM -A- IS THE TOP SURFACE OF HOST BOARD

Ø1.05 ±0.05 TYP  
 Ø0.10Ⓜ A K L

NOTES  
 (KEEP-OUTS ALLOWED)

HOLES FOR OPTIONAL REAR LEGS

FOR CAGE ASSEMBLIES WITH LIGHT PIPES

CROSS HATCHED AREA DENOTES WHERE SURFACE TRACES ARE PERMITTED

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

NOTE:  
 SEE SHEET 4 FOR HOST CONNECTOR DETAIL AND LED LOCATION DETAILS

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.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NO		
	DIMENSION UNITS	SCALE			
▽ = 0	mm	4:1			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL	± 2.0°			
▽ = 0	4 PLACES	±			
▽ = 0	3 PLACES	±			
▽ = 0	2 PLACES	± 0.13			
▽ = 0	1 PLACE	± 0.25			
▽ = 0	0 PLACES	±			
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
▽ = 0	THIRD ANGLE PROJECTION				
			DRAWING	SERIES	MATERIAL NUMBER
			D-SIZE	100086	SEE P/N TABLE
			CUSTOMER		SHEET NUMBER
			GENERAL MARKET		5 OF 7

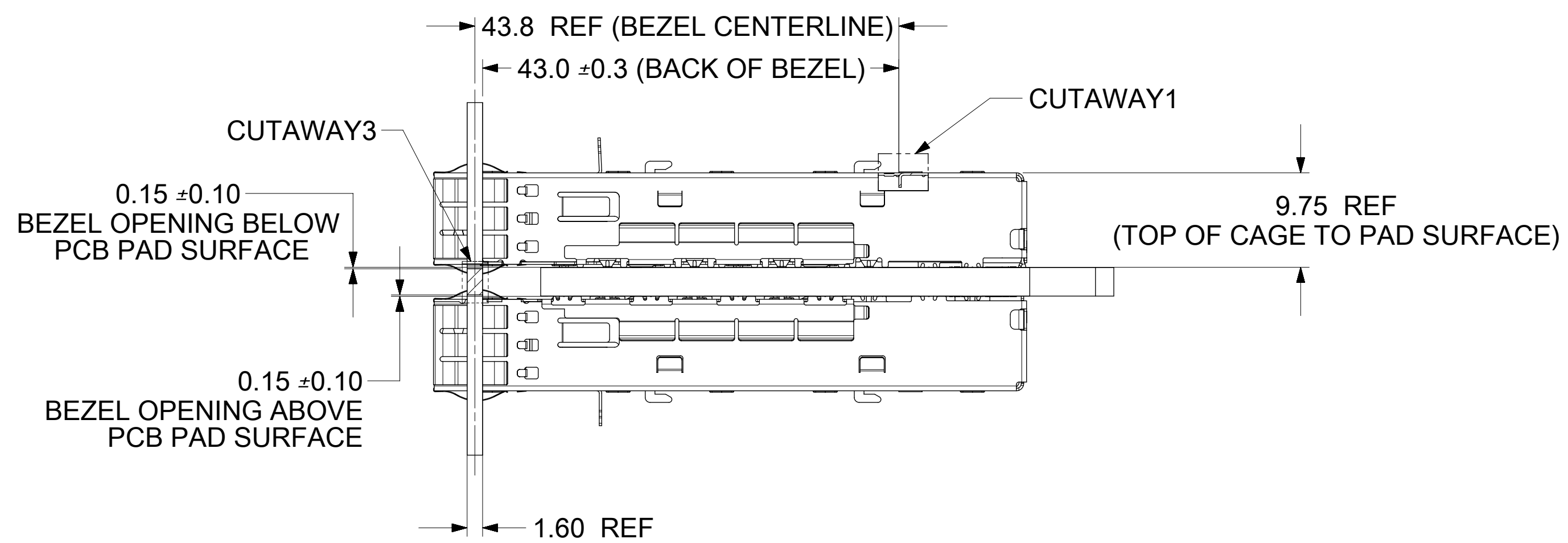
**molex**

ZQSFP+ 1X6 GANGED CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS

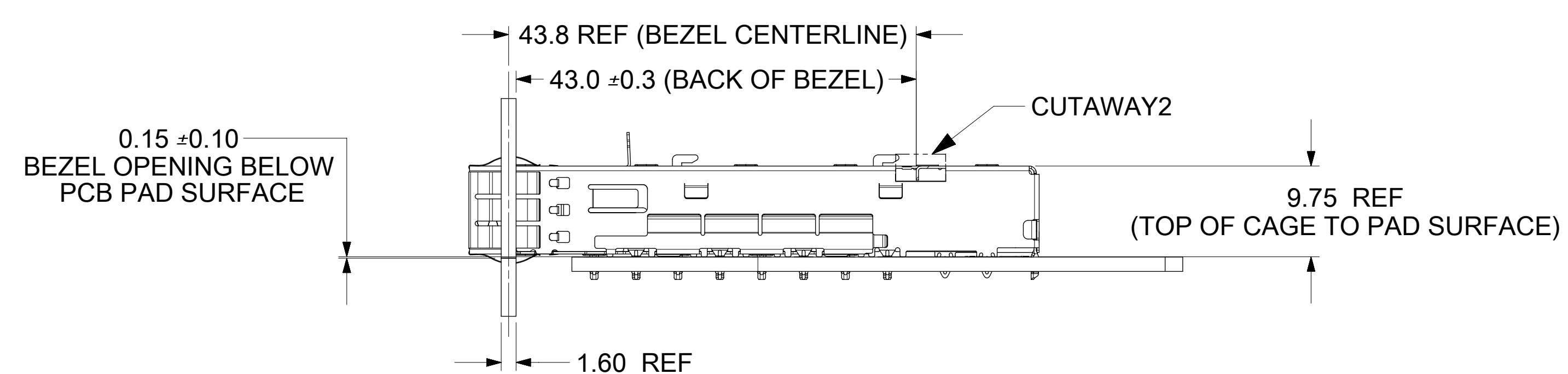
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000861200	PSD	SD	J1

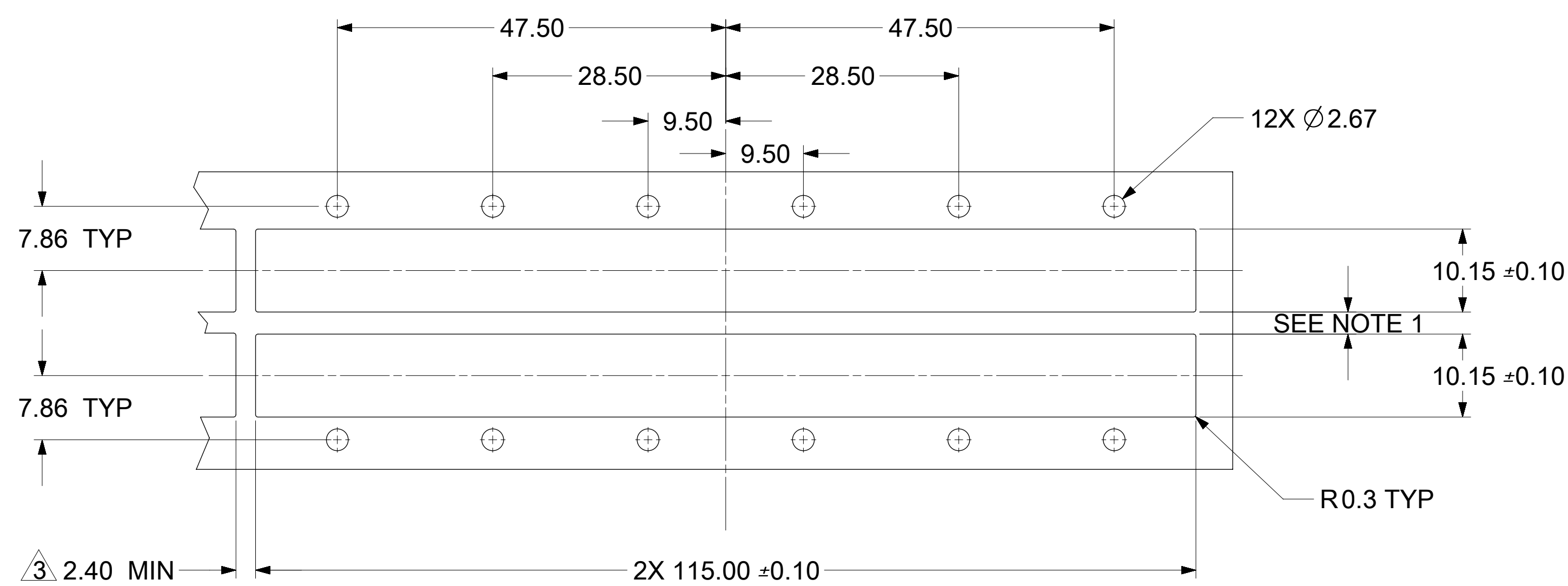
### BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



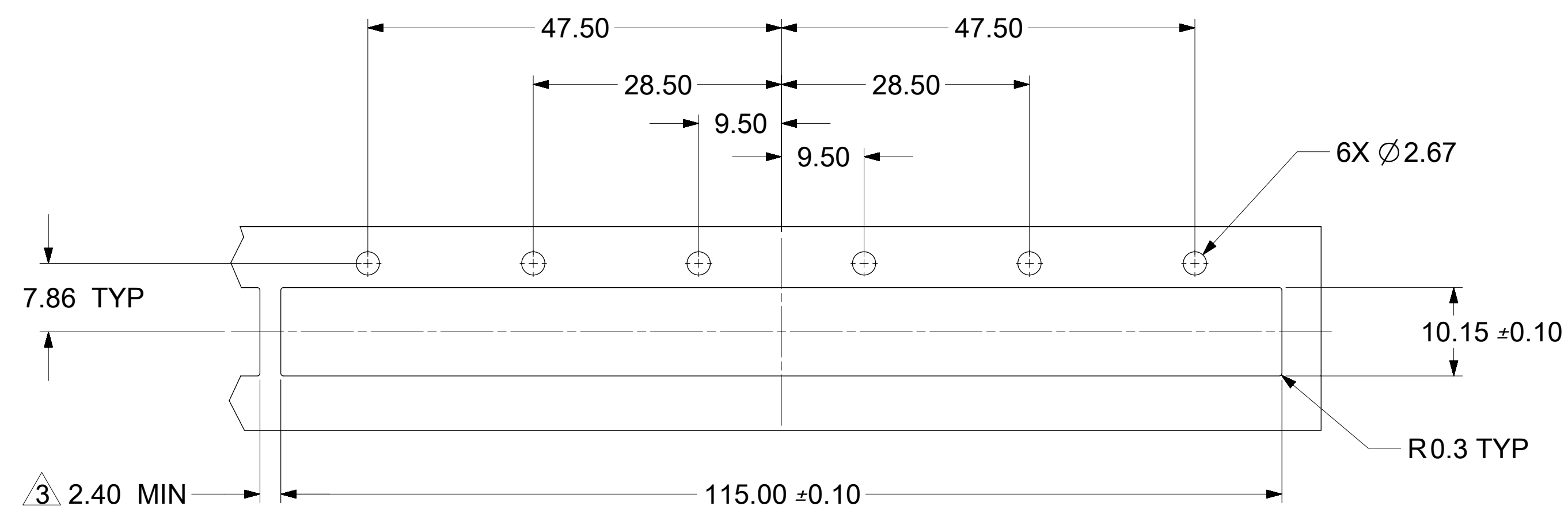
### BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



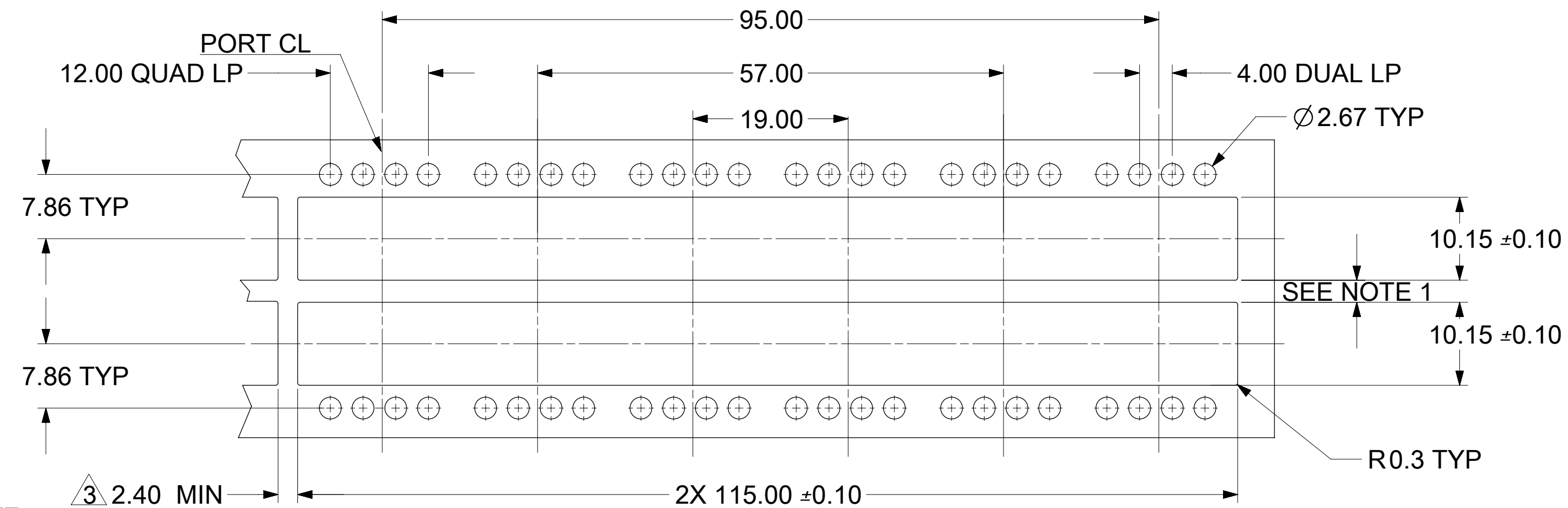
### SINGLE LIGHT PIPE



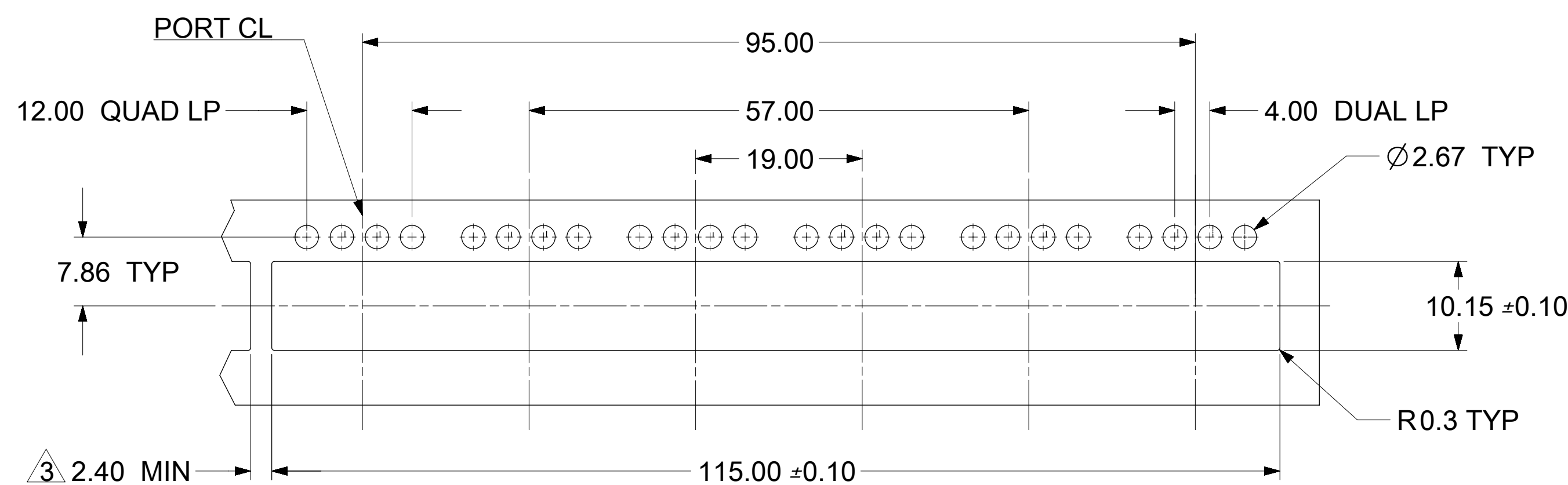
### SINGLE LIGHT PIPE



### DUAL/QUAD LIGHT PIPE



### DUAL/QUAD LIGHT PIPE



- 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.)

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NO	
	DIMENSION UNITS	SCALE		
▽ = 0	mm	2.5:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL	± 2.0°		
▽ = 0	4 PLACES	±	EC NO: 625872	
▽ = 0	3 PLACES	±	DRWN: AKUMAR19	2019/08/27
▽ = 0	2 PLACES	± 0.13	CHK'D: GB	2019/11/06
▽ = 0	1 PLACE	± 0.25	APPR: GGA	2019/11/12
▽ = 0	0 PLACES	±	INITIAL REVISION:	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KUCHILA	2015/06/17
▽ = 0	THIRD ANGLE PROJECTION		APPR: RCHEN08	2015/12/22
		DRAWING	SERIES	MATERIAL NUMBER
		D-SIZE	100086	1000861200
		SEE P/N TABLE		CUSTOMER
		GENERAL MARKET		SHEET NUMBER
				6 OF 7

**molex**

ZQSFP+ 1X6 GANGED CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION


1000861200

PSD SD J1

GENERAL MARKET

6 OF 7

REV	DATE	DESCRIPTION
A	2013/03/29	INITIAL RELEASE
B	2013/04/10	ADD MATERIAL NUMBER 1000861255. REMOVE CROSSHATCH NOTE.
C	2014/03/17	SHEET 2: E-3 CHANGED "REAR LEG" TO "1 REAR LEG"
		SHEET 3: ADDED VIEW AND P/N TABLE FOR CLOSED TOP W/LP.
		SHEET 4/5: EXPANDED ALLOWABLE AREA WHERE SURFACE TRACES ARE PERMITTED ON SHEETS 4 AND 5.
		REMOVED "HOLE PATTERN REPEATS FOR EACH PORT." FROM NOTE 4
D	2014/07/15	SHEET 1: ADDED MATERIAL INFORMATION TO NOTES.
		CHANGED REAR MOST LEG ON BOTH SIDES OF ALL CAGES FROM 3D
		PRESSFIT TO EYE-OF-THE-NEEDLE PRESSFIT LEG.
E	2014/10/06	SHEET 2: CHANGED HEATSINK HEIGHT DIMENSIONS TO REF
		J12: DIM 67.48 CHANGED TO REF
		SHEET 4: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES
		REMOVED BASIC FROM "0.00" POSITIONS
		H20: MADE HOLE DIAMETER DIMENSION TYP
		SHEET 5: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES
		REMOVED BASIC FROM "0.00" POSITIONS
		H19: MADE HOLE DIAMETER DIMENSION TYP
F	2015/04/14	SHEET 4: REVISED DIM "WAS" 12.77 "NOW" 12.79 @G7 REMOVED SEE NOTE 4 AND ADDED DIMS @K9, @K10, @K11, @L12, @L13, AND @M14 REVISED FRAMED TEXT NUMBER 4 TRIANGLES TO FRAMED TEXT NUMBER 5 @E3, @F3,@F6, @G3, @G6,AND @I6
		SHEET 5: REVISED DIM "WAS" 12.77 "NOW" 12.79 @F7 REMOVED NOTE 4 AND REVISED NOTE 5 TO NOTE 4 REMOVED NOTE 4 @A20 REMOVED SEE NOTE 4 AND ADDED DIMS @K7, @K8, @K9, @L10, @L11, AND @L12
		SHEET 6: REVISED PORT CL "WAS" (4) "NOW" PORT CL @F9 AND @ F19
G	2015/04/23	REMASTERED FROM SD-100086-1200_REV 'F'.
H	2017/06/08	CHANGED THE DOCUMENT TYPE FROM RSD TO SD SHEET 5: D09: ADDED BASIC DIM 19.52 D10: ADDED BASIC DIM 35.28 & 38.52 D12: ADDED BASIC DIM 54.28 & 57.52 D13: ADDED BASIC DIM 73.28 D14: ADDED BASIC DIM 76.52 D15: ADDED BASIC DIM 92.28 & 95.52 D16: ADDED BASIC DIM 110.78 SHEET 6: J17: ADDED DIM 0.15±0.10(BEZEL OPENING ABOVE PCB PAD SURFACE) K12: CHANGED DIM FROM 9.78 REF TO 9.75 REF K02: CHANGED DIM FROM 9.78 REF TO 9.75 REF E11: ADDED 0.3 TYP FOR ALL BEZEL VIEWS A19: ADDED NOTE 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.)
J	2018/05/10	BASED ON PCN 505080 WE OBSOLETE P/N 1000861240 & 1000861250 SHEET 4: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION. SHEET 5: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION.
J1	2019/08/27	OBSOLETE PART NUMBERS 1000861231, 1000861252, 1000861343

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: OBSOLETE PART NO													
	mm		1:1		 <p>ZQSFP+ 1X6 GANGED CAGE ASSY'S (SPRING FINGER) WITH H/S &amp; L/P OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p> <table border="1"> <tr> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td>1000861200</td> <td>PSD</td> <td>SD</td> <td>J1</td> </tr> </table> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p> <p>THIRD ANGLE PROJECTION</p> <p>DRAWING</p> <p>SERIES</p> <p>MATERIAL NUMBER</p> <p>CUSTOMER</p> <p>SHEET NUMBER</p>						DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	1000861200	PSD	SD	J1
	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION														
	1000861200	PSD	SD	J1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 2.0°															
	4 PLACES ±		3 PLACES ±															
	2 PLACES ± 0.13		1 PLACE ± 0.25															
	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION								DRAWING		SERIES		MATERIAL NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING							SERIES		MATERIAL NUMBER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING							SERIES		MATERIAL NUMBER					