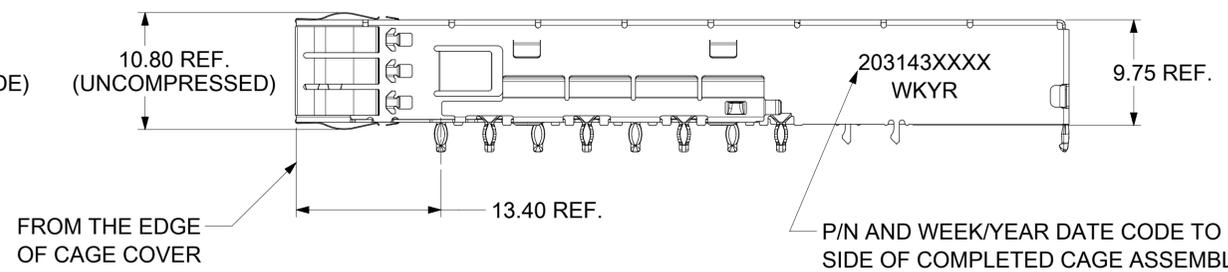
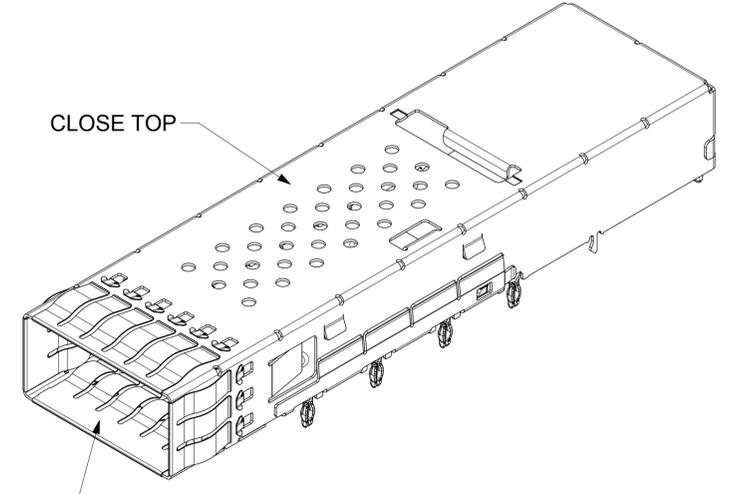
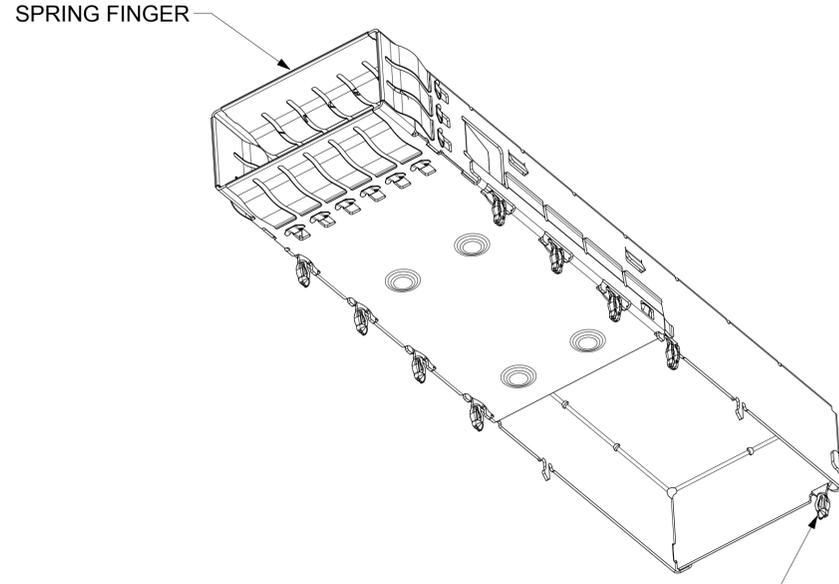
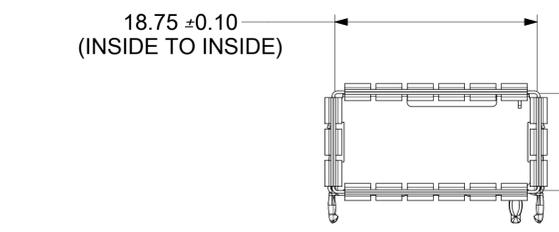
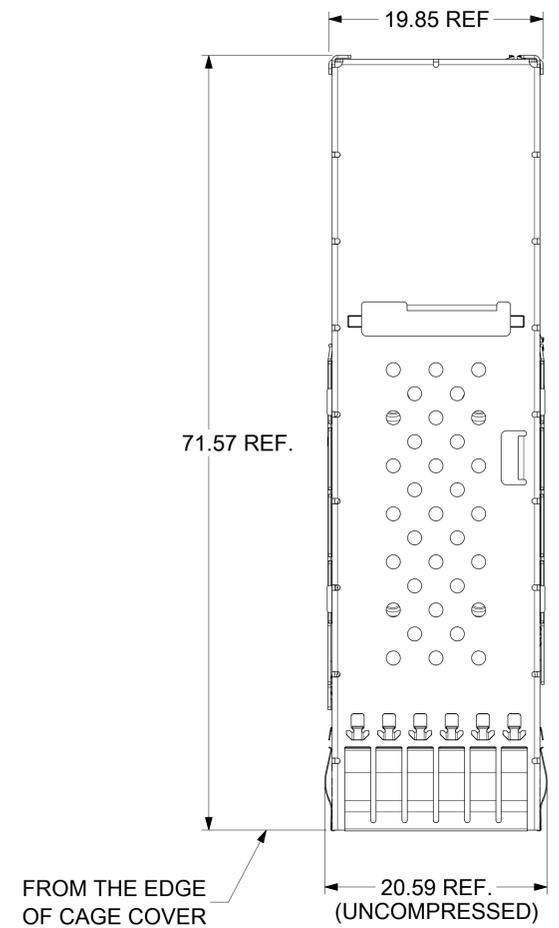


BASE CAGE DETAILS

2031431244 SHOWN

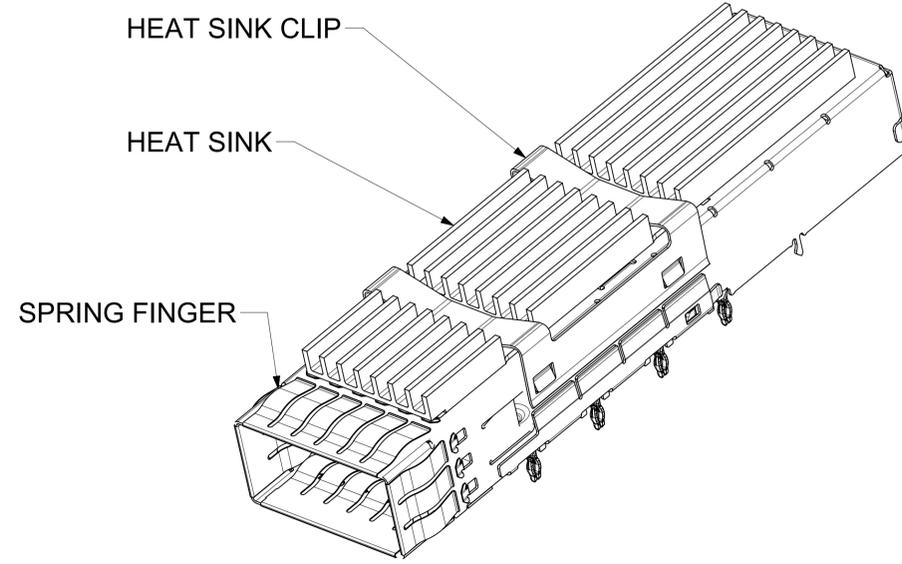
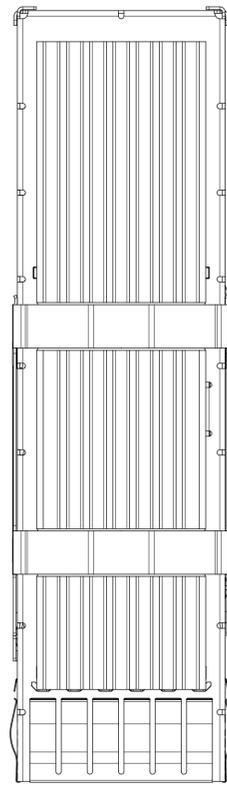


P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. SEE TABLE BELOW FOR DATE CODE INFORMATION.

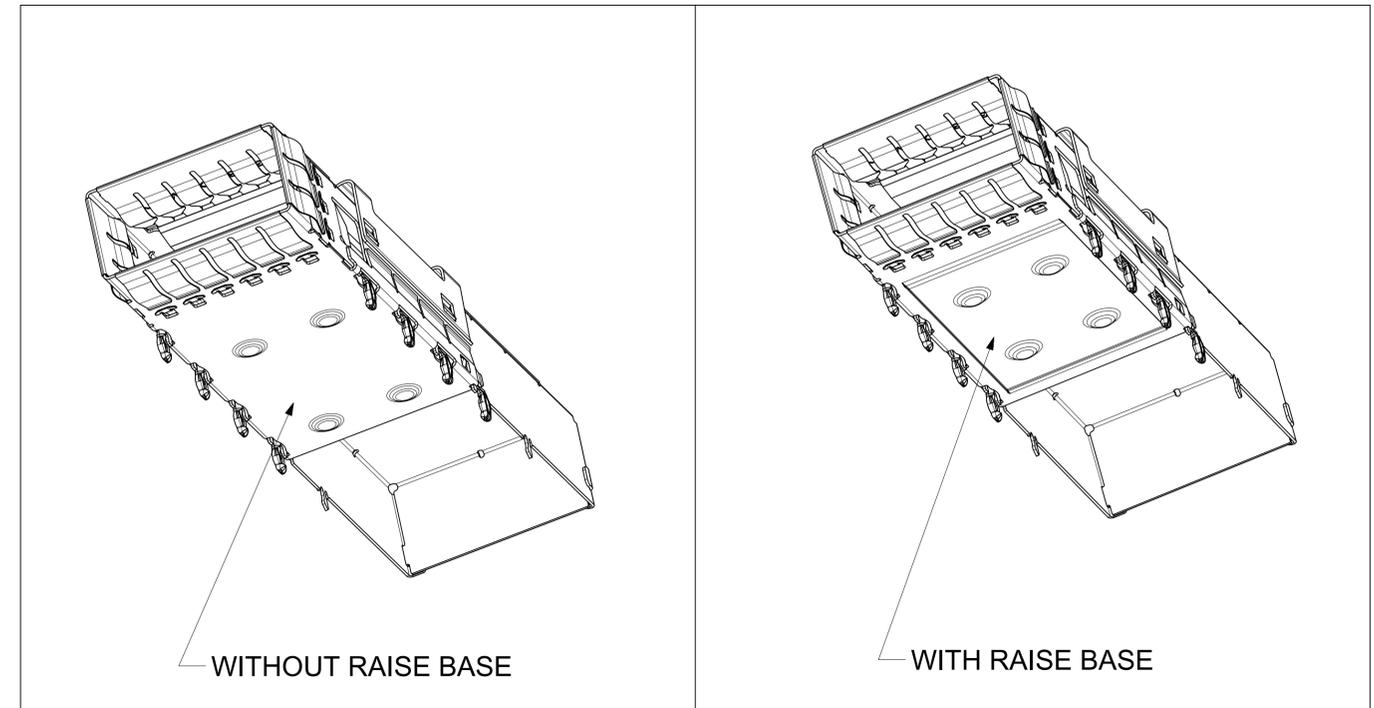
- NOTES:
- MATERIAL: CAGE: STAINLESS STEEL
SPRING FINGERS: STAINLESS STEEL
HEAT SINKS: ALUMINUM(BLACK ANODIZATION)
HEAT SINK CLIP: STAINLESS STEEL
 - DRAWING APPLIES TO ALL P/N'S SHOWN ON PAGE 3
 - DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED USING APPROPRIATE GO - NO GO GAGE
 - DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS ARE CORRECT, REFER TO SHEETS 2 AND 3.
 - PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC WI-HP-7-2774 (CLASS B UNLESS OTHERWISE SPECIFIED)
 - PRESS-FIT LEGS 2.44mm LONG -
1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
2.70mm MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - NO RoHS EXEMPTIONS

WK	WEEK OF THE YEAR 01 THRU 52 OR 53 (EXAMPLE: 01= FIRST WEEK OF YEAR, 52 OR 53 = LAST WEEK OF YEAR)
YR	17, 18, 19 ETC.. (EXAMPLE: YEAR 2017= 17)

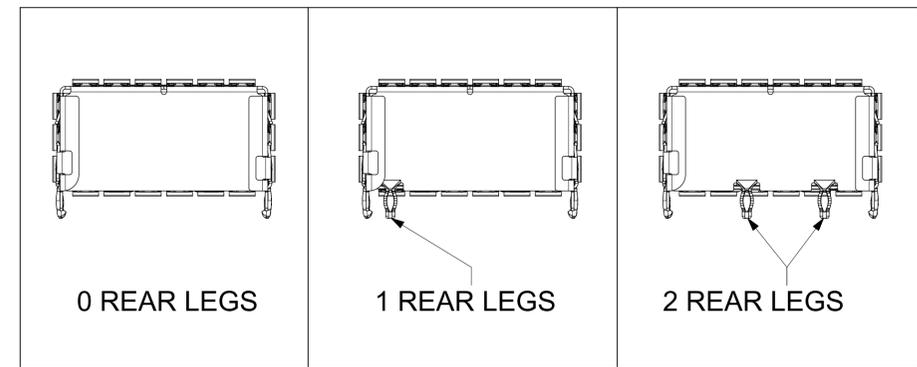
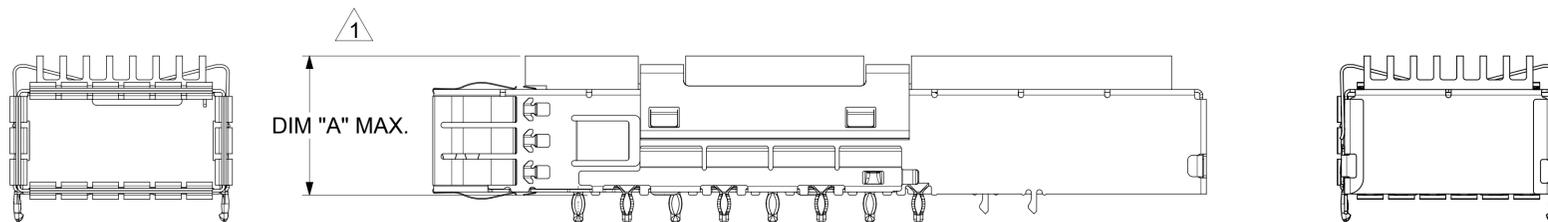
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	3:1	<p>QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13								
1 PLACE	± 0.25	EC NO: 629406	2019/12/13						
0 PLACES	±	DRWN: JYEN01	2019/12/20						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
		D-SIZE		203143	SEE P/N TABLE	GENERAL MARKET		1 OF 7	



CAGE BOTTOM VIEW (RAISE BASE OPTIONS)



CAGE BACK VIEW (REAR LEG OPTIONS)



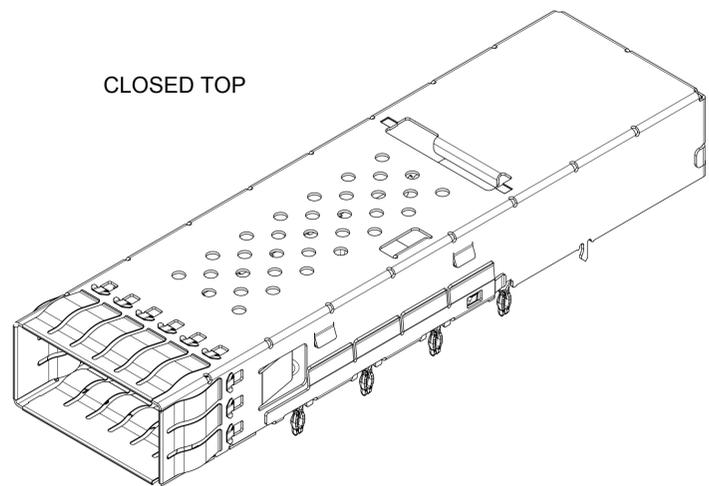
HEAT SINK HEIGHT OPTIONS

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

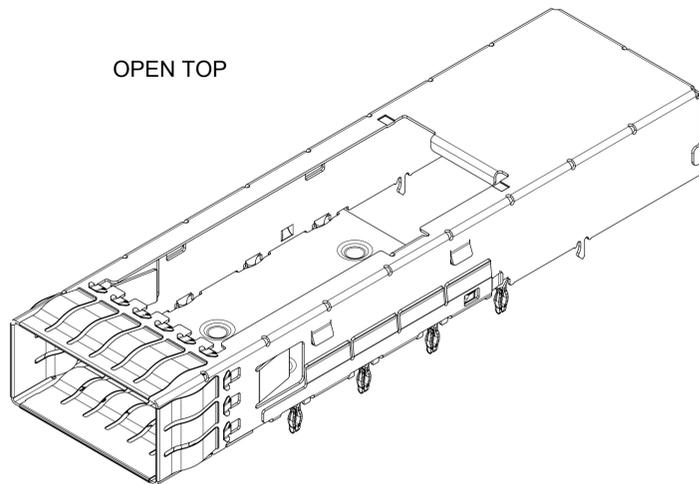
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
DIMENSION UNITS mm	SCALE 3:1	CURRENT REV DESC: SEE REVISION TABLE			
GENERAL TOLERANCES (UNLESS SPECIFIED)		<p>molex</p> <p>QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p>			
ANGULAR TOL	± 2.0°			EC NO: 629406	
4 PLACES	±			DRWN: JYEN01	2019/12/13
3 PLACES	±			CHK'D: SCHIEN	2019/12/20
2 PLACES	± 0.13			APPR: JCHIANG	2019/12/20
1 PLACE	± 0.25	INITIAL REVISION:			
0 PLACES	±	DRWN: LLU20	2017/07/17		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING		
			D-SIZE		
		SERIES	203143		
		MATERIAL NUMBER	SEE P/N TABLE		
		CUSTOMER	GENERAL MARKET		
		DOCUMENT NUMBER	2031431201		
		DOC TYPE	PSD		
		DOC PART	ASY		
		REVISION	D2		
		SHEET NUMBER	2 OF 7		

PART NUMBER SELECTION



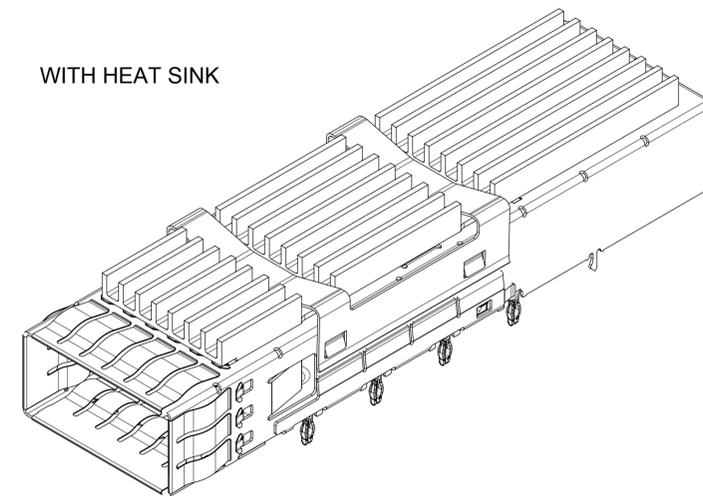
CLOSED TOP

MOLEX P/N	# OF REAR LEGS PER PORT	WITH RAISE BASE
2031431243	0	NO
2031431244	1	NO



OPEN TOP

MOLEX P/N	# OF REAR LEGS PER PORT	WITH RAISE BASE
2031431254	0	NO
2031431255	1	NO
2031431256	2	NO
2031432254	0	YES
2031432255	1	YES
2031432256	2	YES

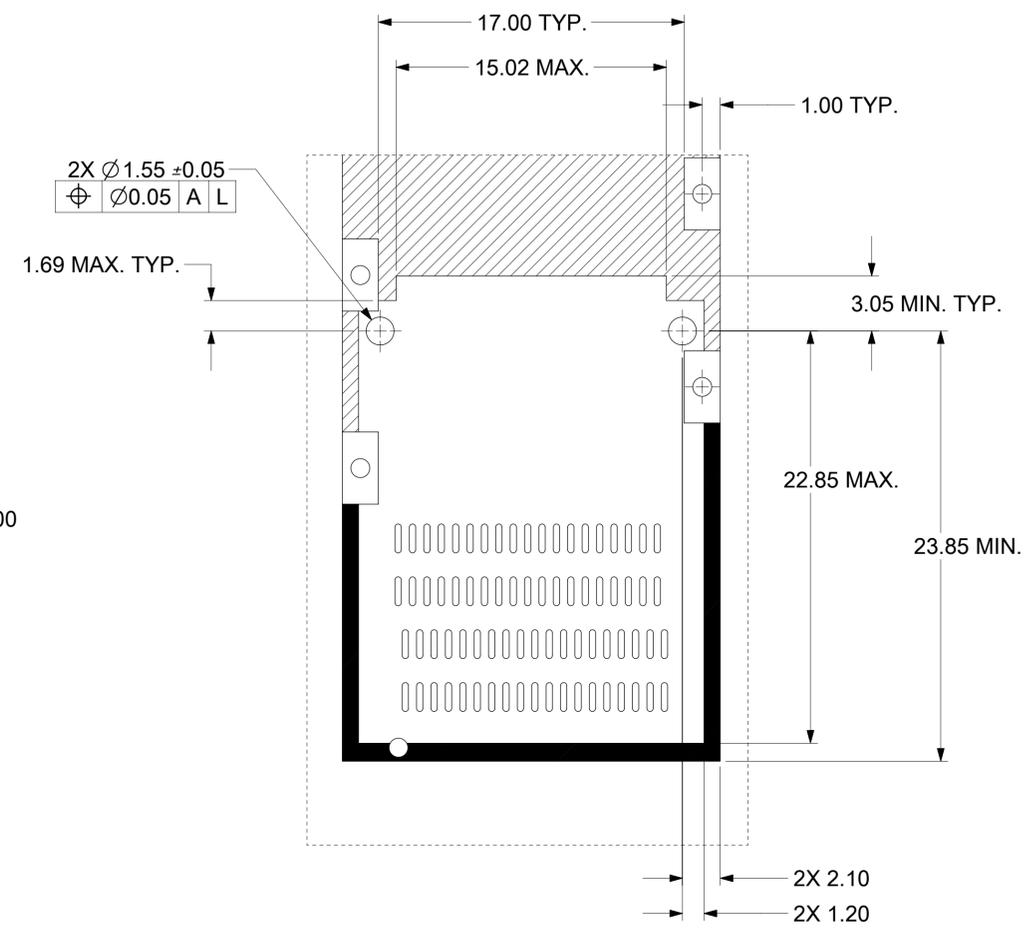
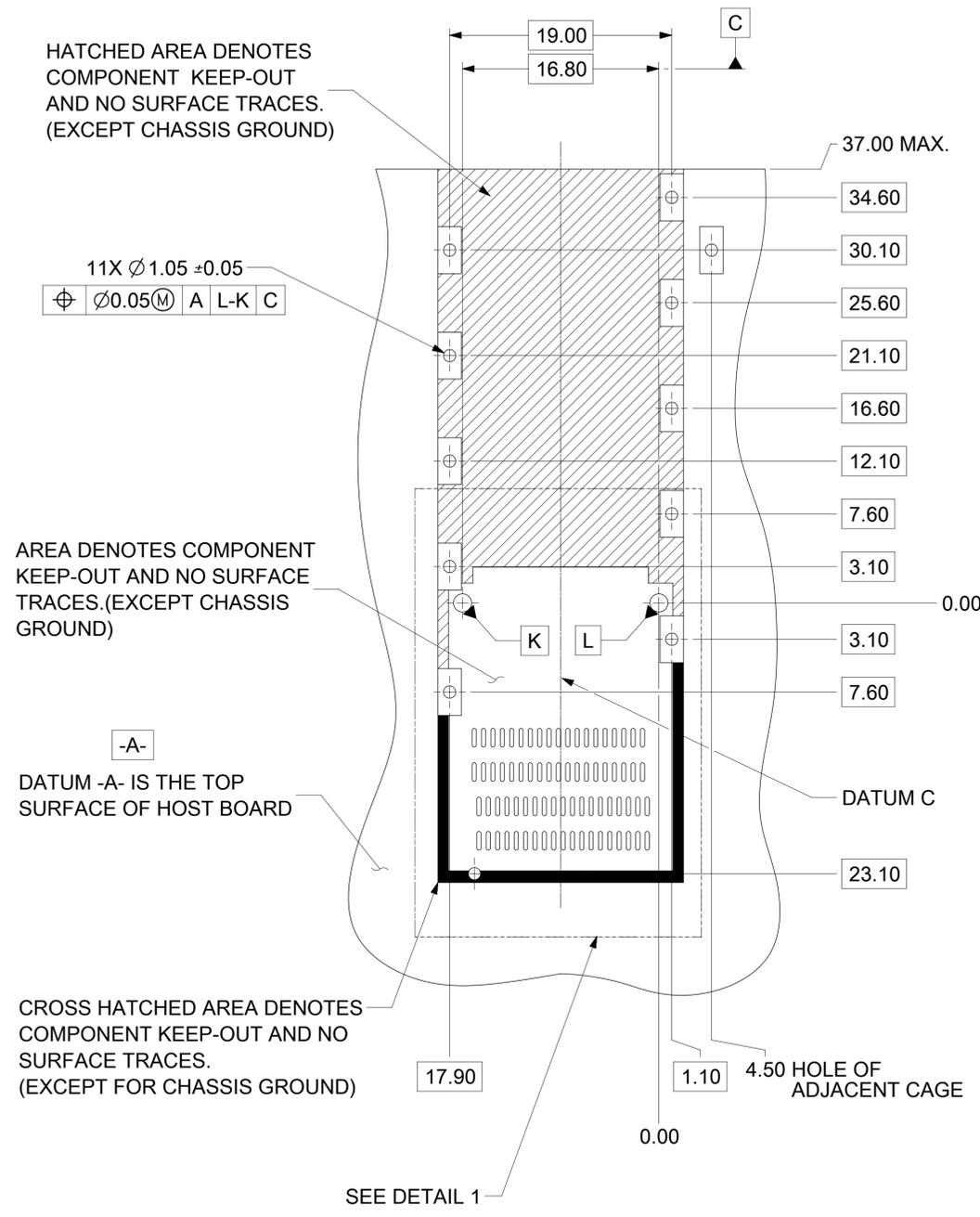


WITH HEAT SINK

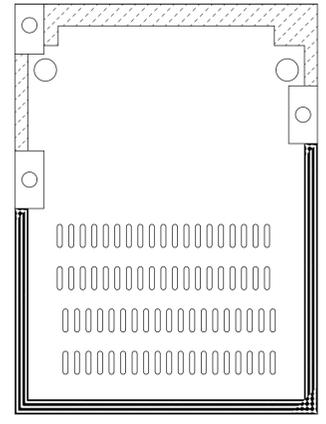
MOLEX P/N	HEAT SINK	# OF REAR LEGS PER PORT	WITH RAISE BASE
2031431349	PCI	0	NO
2031431350	SAN	0	NO
2031431351	NET	0	NO
2031431352	PCI	1	NO
2031431353	SAN	1	NO
2031431354	NET	1	NO
2031431355	PCI	2	NO
2031431356	SAN	2	NO
2031431357	NET	2	NO
2031432349	PCI	0	YES
2031432350	SAN	0	YES
2031432351	NET	0	YES
2031432352	PCI	1	YES
2031432353	SAN	1	YES
2031432354	NET	1	YES
2031432355	PCI	2	YES
2031432356	SAN	2	YES
2031432357	NET	2	YES

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	 <p>QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S 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>2031431201</td> <td>PSD</td> <td>ASY</td> <td>D2</td> </tr> </table>								DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	2031431201	PSD	ASY	D2
DOCUMENT NUMBER	DOC TYPE									DOC PART	REVISION						
2031431201	PSD									ASY	D2						
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		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER										
			D-SIZE	203143	SEE P/N TABLE	GENERAL MARKET	3 OF 7										

PCB LAYOUT FOR SINGLE SIDED MOUNTING

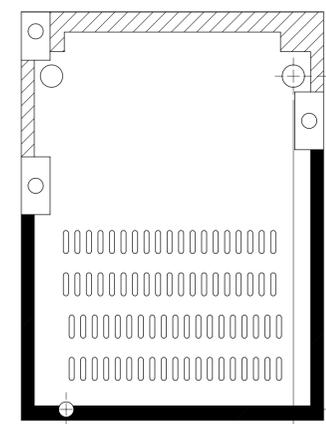


NO REAR LEGS



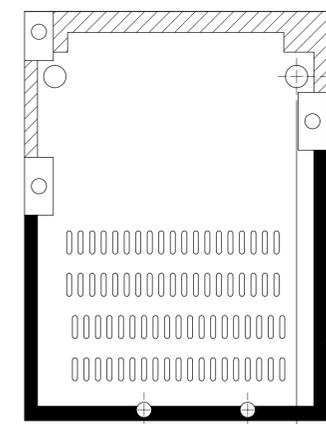
PARTIAL 1
SCALE 4:1

1 REAR LEG



PARTIAL 2
SCALE 4:1

2 REAR LEGS



PARTIAL 3
SCALE 4:1

- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER QSFP-DD MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 202718.
 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: SEE REVISION TABLE							
mm	3.5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°	EC NO: 629406							
4 PLACES	±	DRWN: JYEN01 2019/12/13							
3 PLACES	±	CHK'D: SCHIEN 2019/12/20							
2 PLACES	± 0.13	APPR: JCHIANG 2019/12/20							
1 PLACE	± 0.25	INITIAL REVISION:							
0 PLACES	±	DRWN: LLU20 2017/07/17							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING SERIES		MATERIAL NUMBER CUSTOMER SHEET NUMBER			
		D-SIZE		203143		SEE P/N TABLE		GENERAL MARKET 4 OF 7	

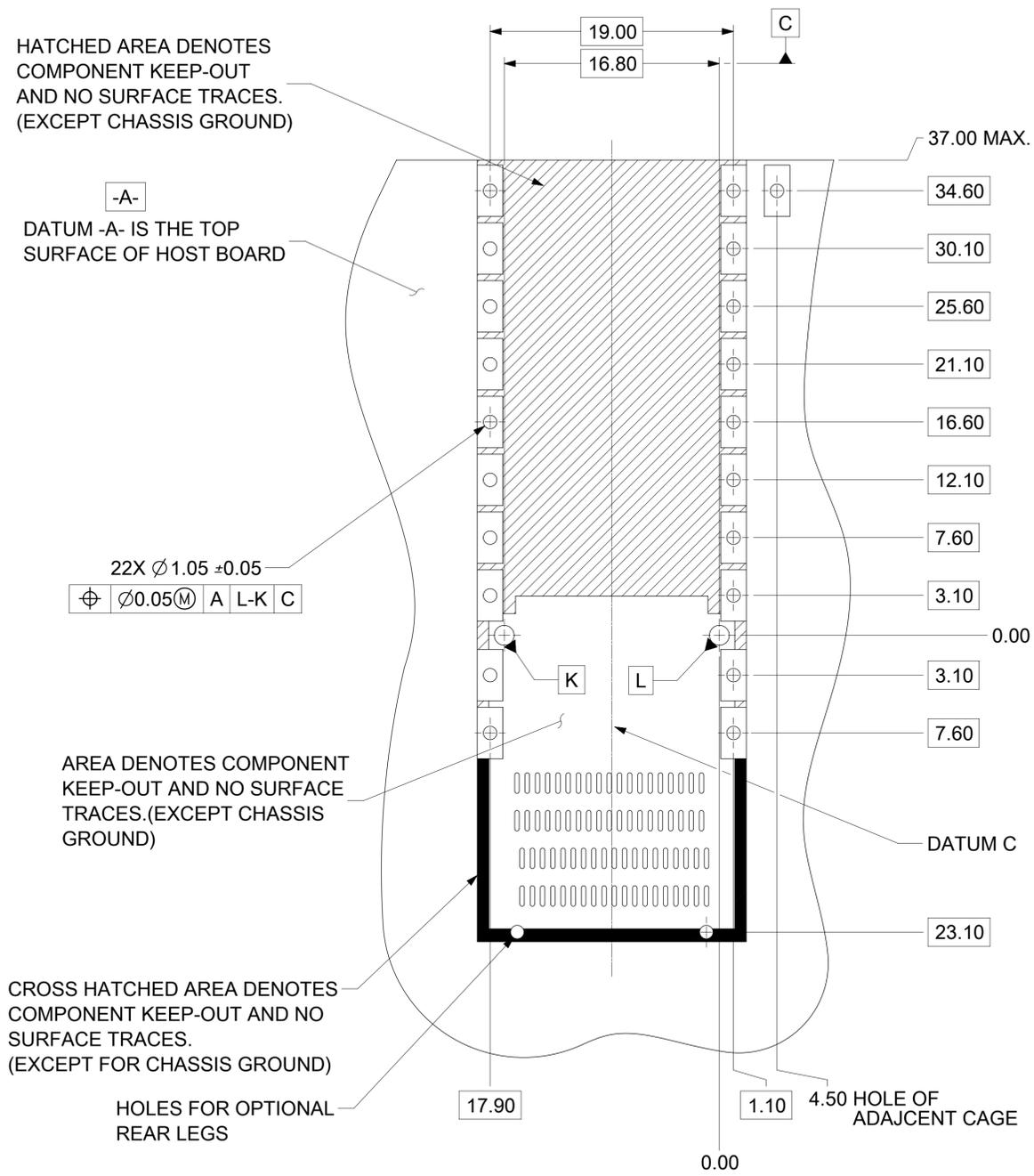
molex

QSFP-DD 1X1 CAGE ASSY
SF WITH FIN H/S OPTIONS

PRODUCT CUSTOMER DRAWING

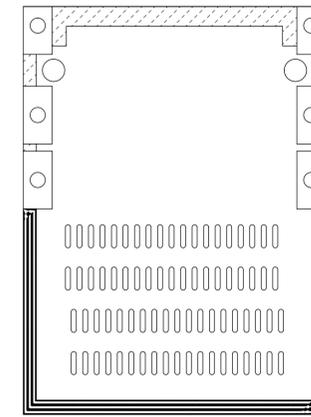
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2031431201	PSD	ASY	D2

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



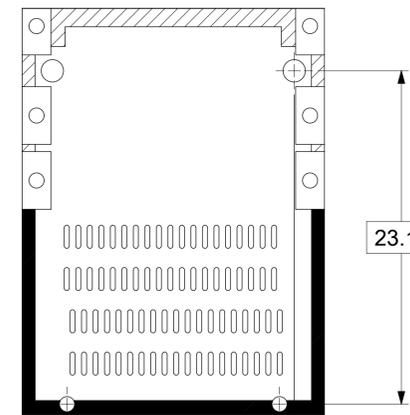
NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS

NO REAR LEGS



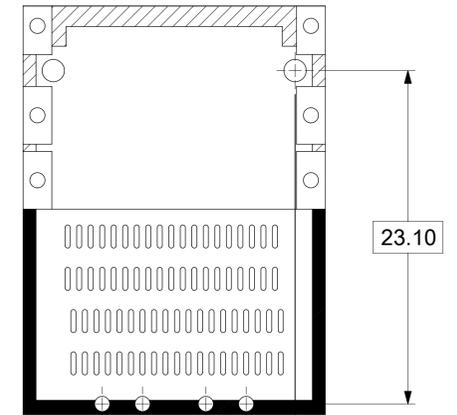
PARTIAL 1
SCALE 4:1

1 REAR LEG



PARTIAL 2
SCALE 4:1

2 REAR LEGS

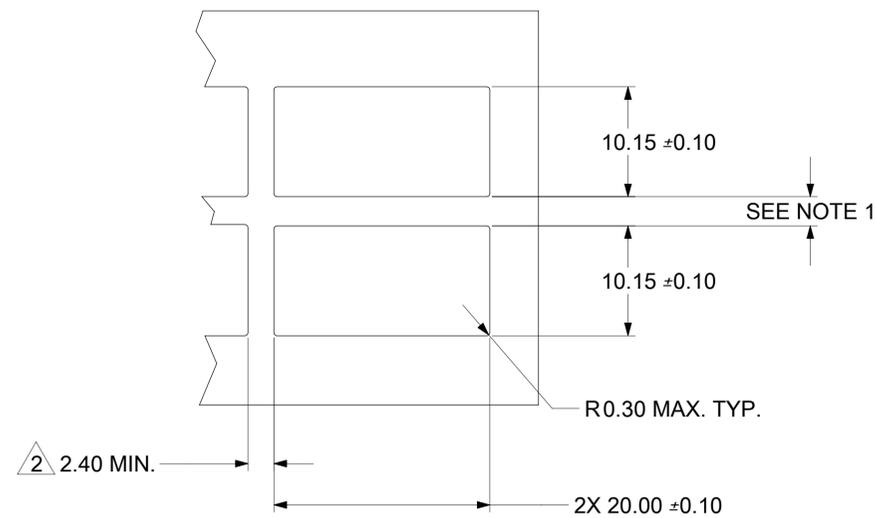
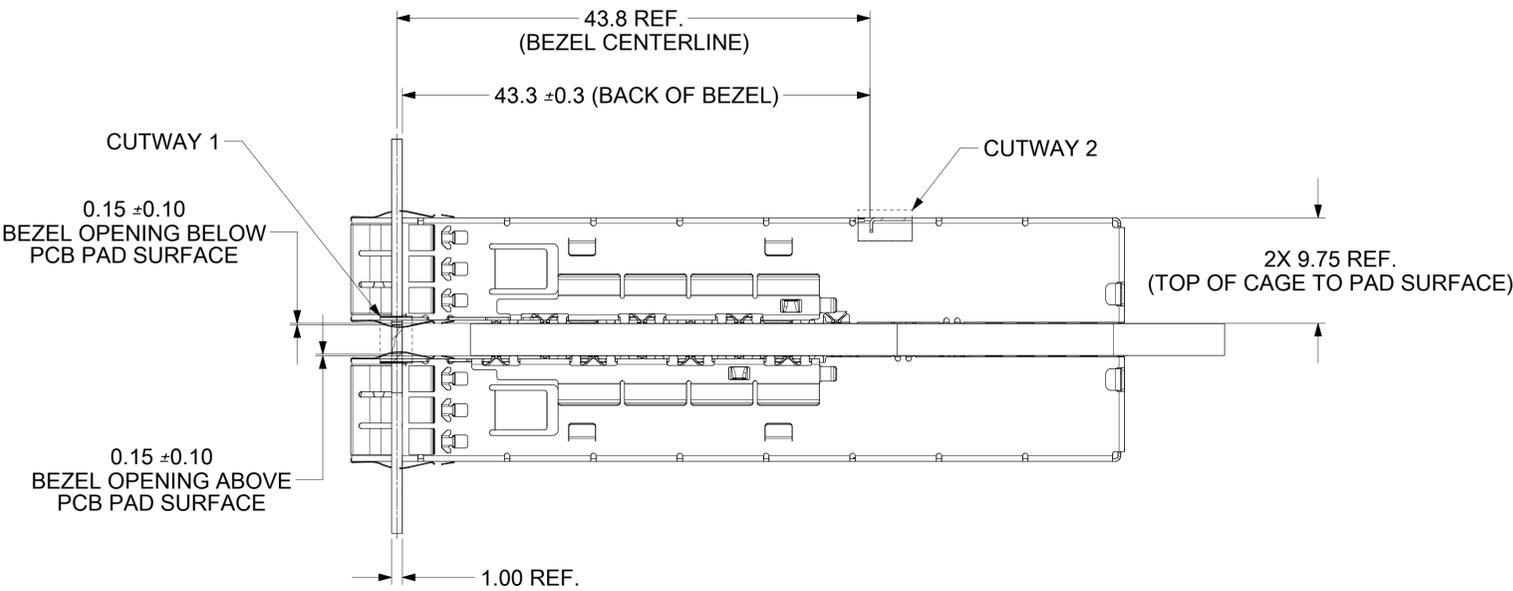


PARTIAL 3
SCALE 4:1

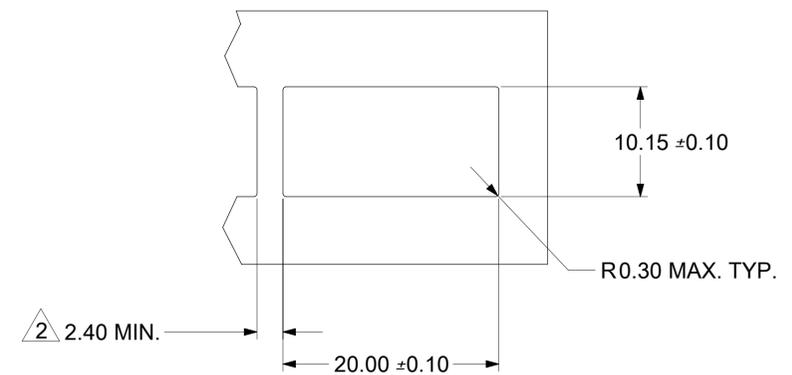
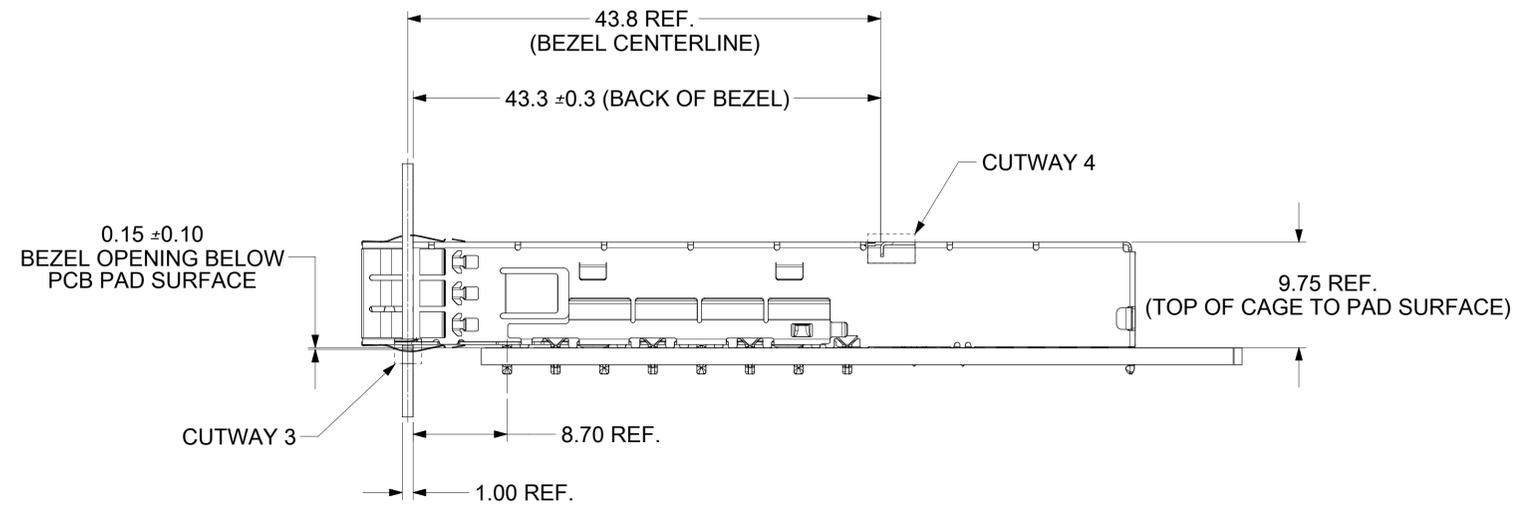
- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER QSFP-DD WILL ACCOMODATE MOLEX CONNECTOR SERRIES 202718.

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	4:1	<p>QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13								
1 PLACE	± 0.25	EC NO: 629406	2019/12/13						
0 PLACES	±	DRWN: JYEN01	2019/12/20						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
				D-SIZE	203143	SEE P/N TABLE	GENERAL MARKET	5 OF 7	
								DOCUMENT NUMBER: 2031431201 DOC TYPE: PSD DOC PART: ASY REVISION: D2	

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



NOTE:
 1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 2. 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.)

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		molex				
mm	3:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 629406		QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS				
ANGULAR TOL	± 2.0°	DRWN: JYEN01	2019/12/13	PRODUCT CUSTOMER DRAWING				
4 PLACES	±	CHK'D: SCHIEN	2019/12/20	DOCUMENT NUMBER				
3 PLACES	±	APPR: JCHIANG	2019/12/20	2031431201		DOC TYPE	DOC PART	REVISION
2 PLACES	± 0.13	INITIAL REVISION:		PSD ASY D2				
1 PLACE	± 0.25	DRWN: LLU20	2017/07/17	MATERIAL NUMBER				
0 PLACES	±	APPR: RCHEN08	2017/08/15	203143		CUSTOMER		SHEET NUMBER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SEE P/N TABLE		GENERAL MARKET	
			D-SIZE	203143			6 OF 7	

