



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

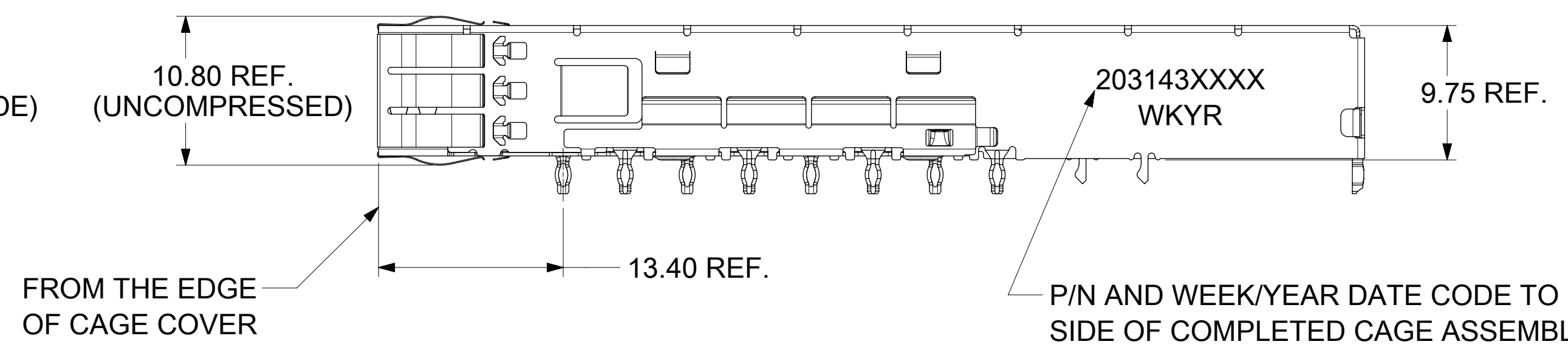
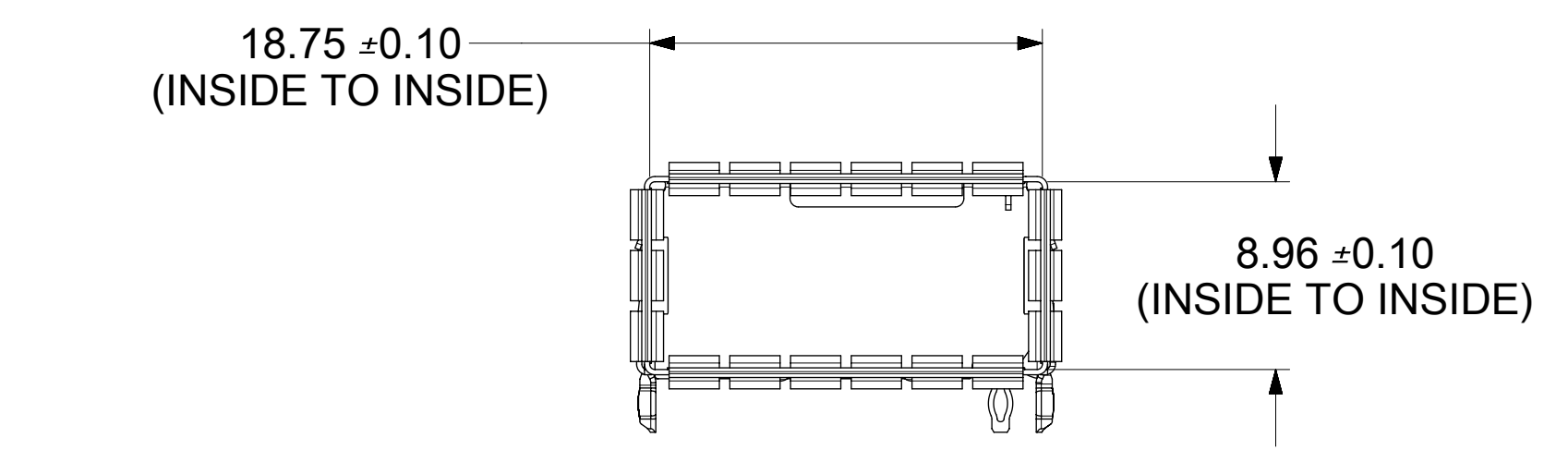
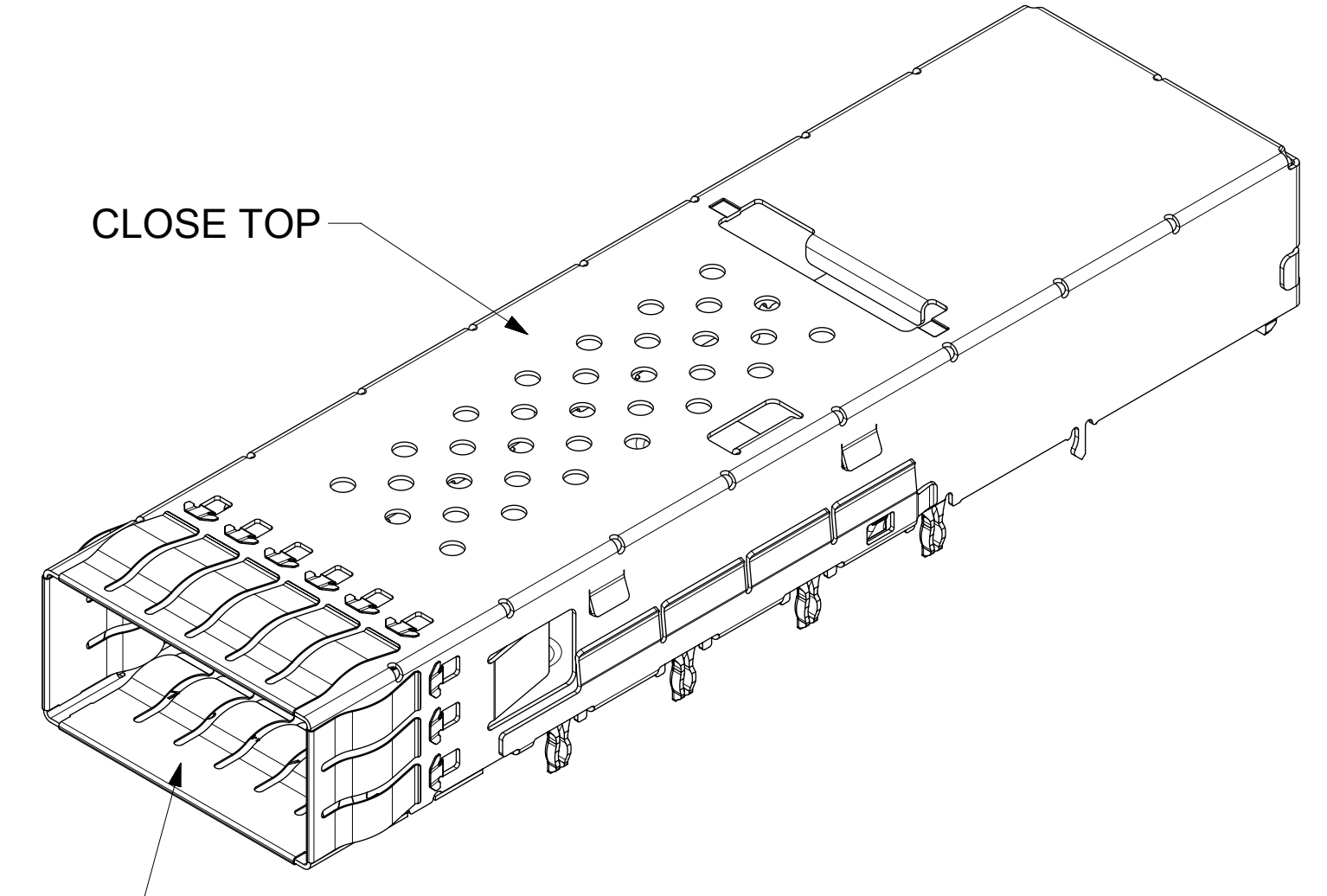
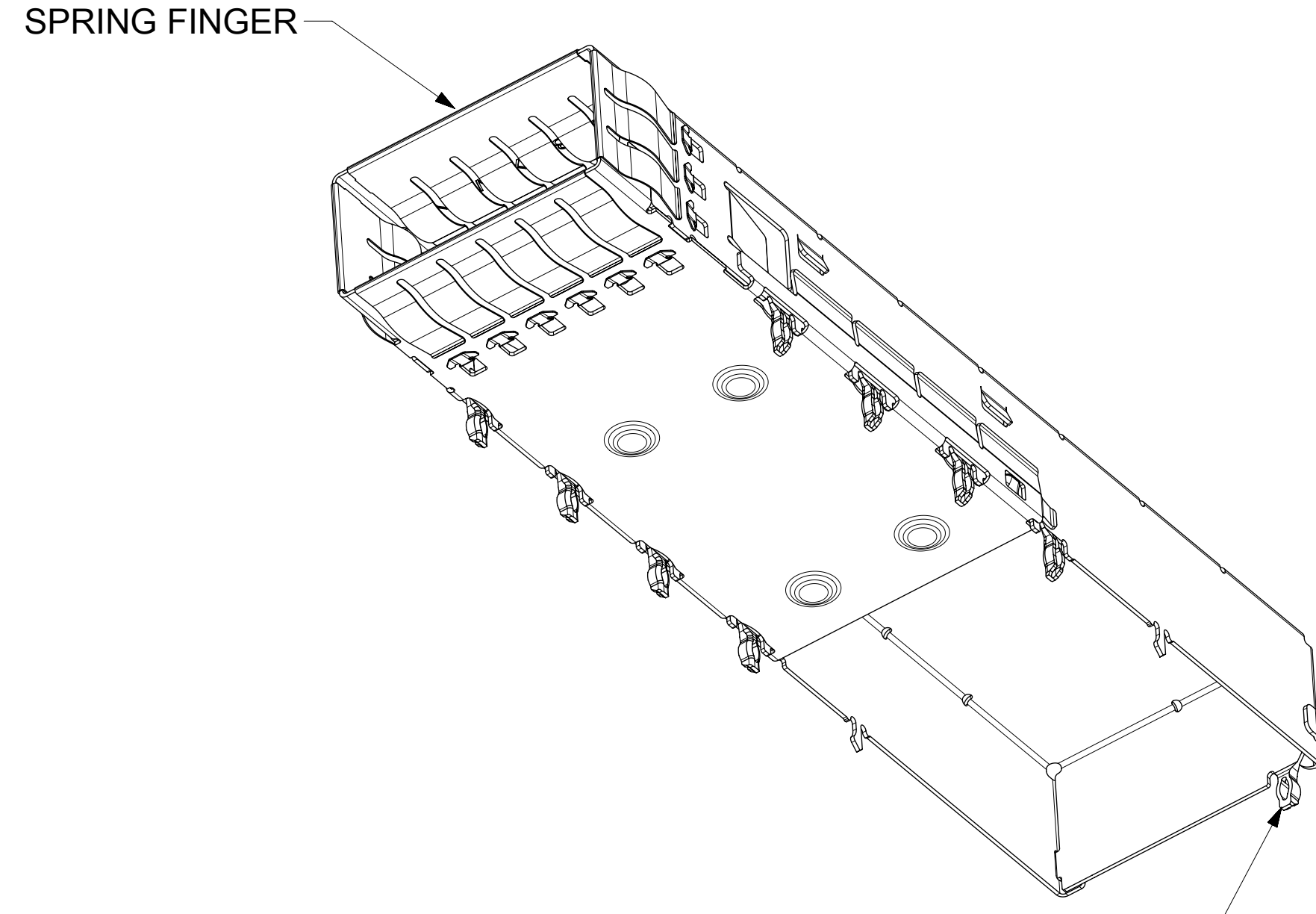
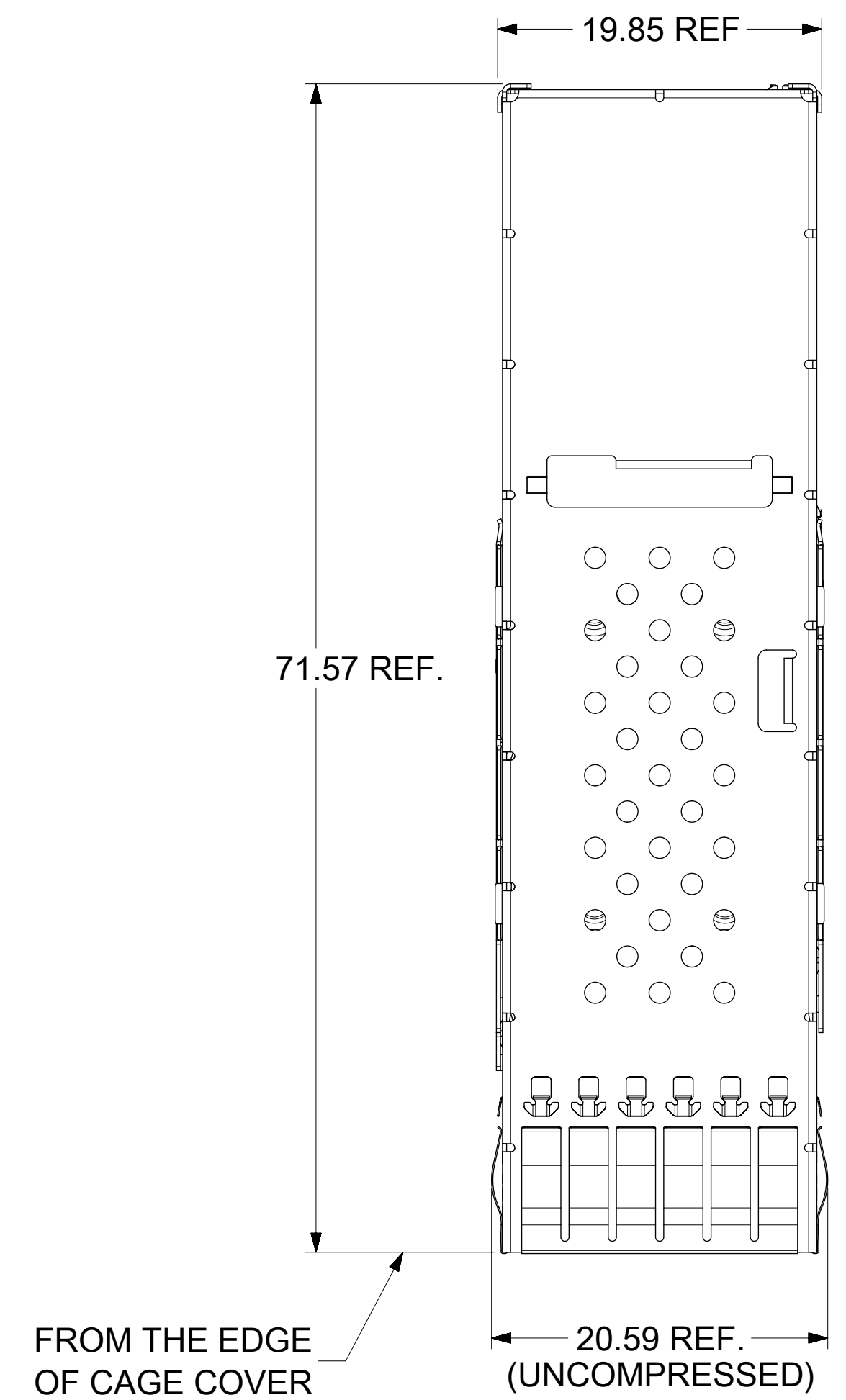
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BASE CAGE DETAILS

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

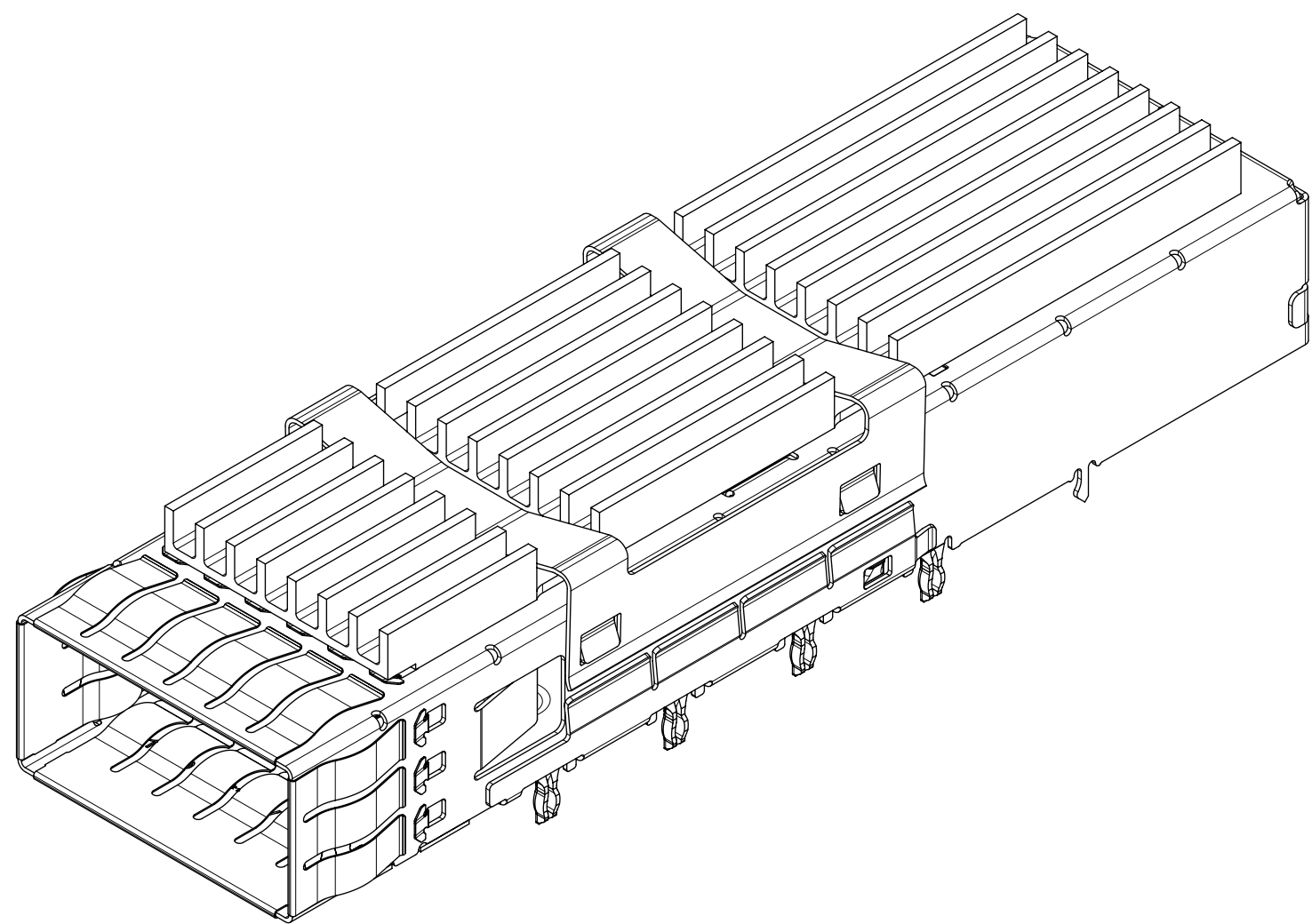
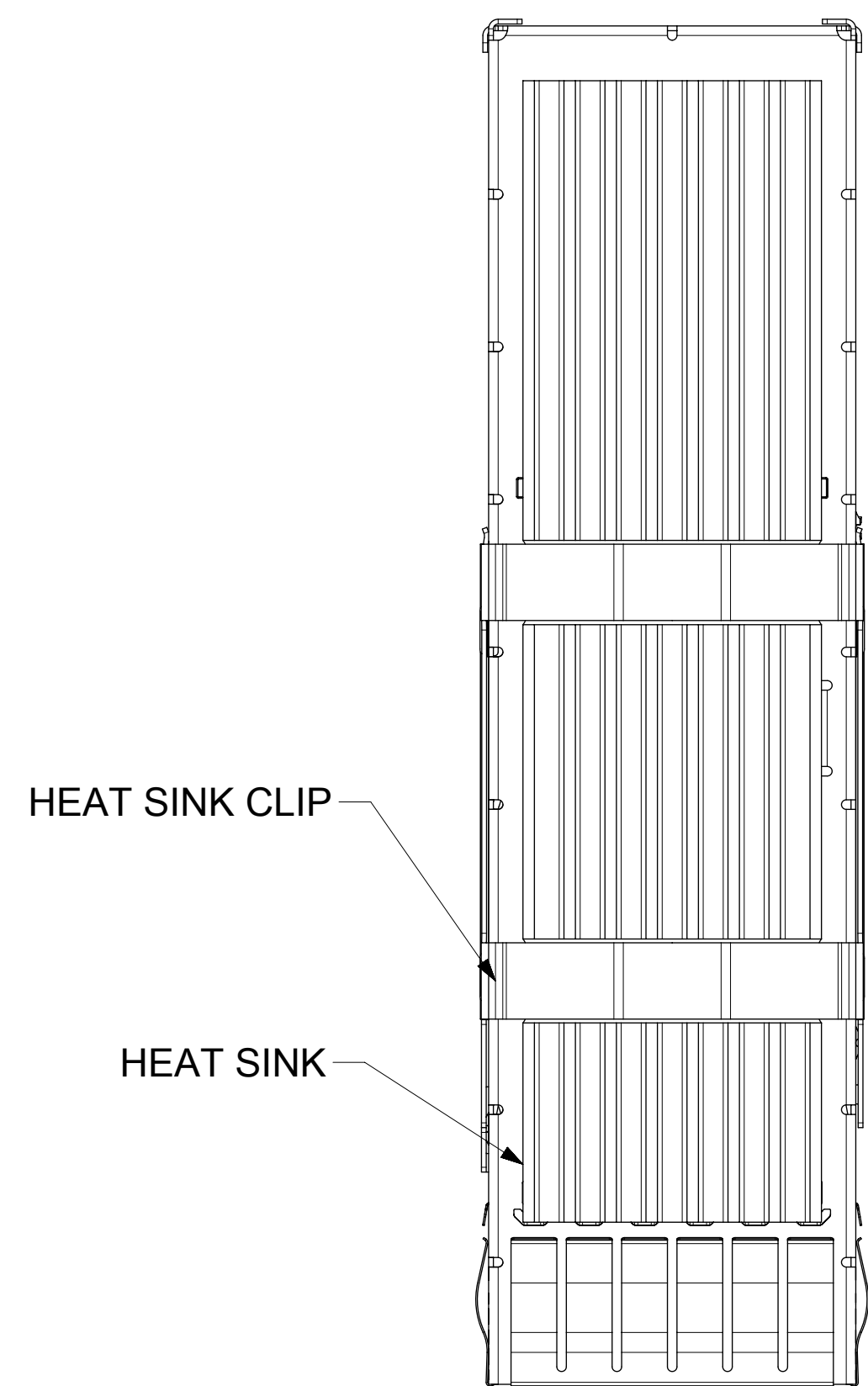
WK	WEEK OF THE YEAR 01 THRU 52 OR 53 (EXAMPLE: 01= FIRST WEEK OF YEAR, 52 OR 53 = LAST WEEK OF YEAR)
YR	17, 18, 19 ETC.. (EXAMPLE: YEAR 2017= 17)

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 P/N TABLE		molex			
mm	3:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 173798		QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS			
ANGULAR TOL	± 2.0°	DRWN: PGSHETTY 2018/02/01		PRODUCT CUSTOMER DRAWING			
4 PLACES	±	CHK'D: LLU20 2018/03/22		DOCUMENT NUMBER			
3 PLACES	±	APPR: RCHEN08 2018/03/23		2031431201			
2 PLACES	± 0.13	INITIAL REVISION:		DOC TYPE			
1 PLACE	± 0.25	DRWN: LLU20 2017/07/17		PSD			
0 PLACES	±	APPR: RCHEN08 2017/08/15		ASY			
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 ASSEMBLY OPTIONS

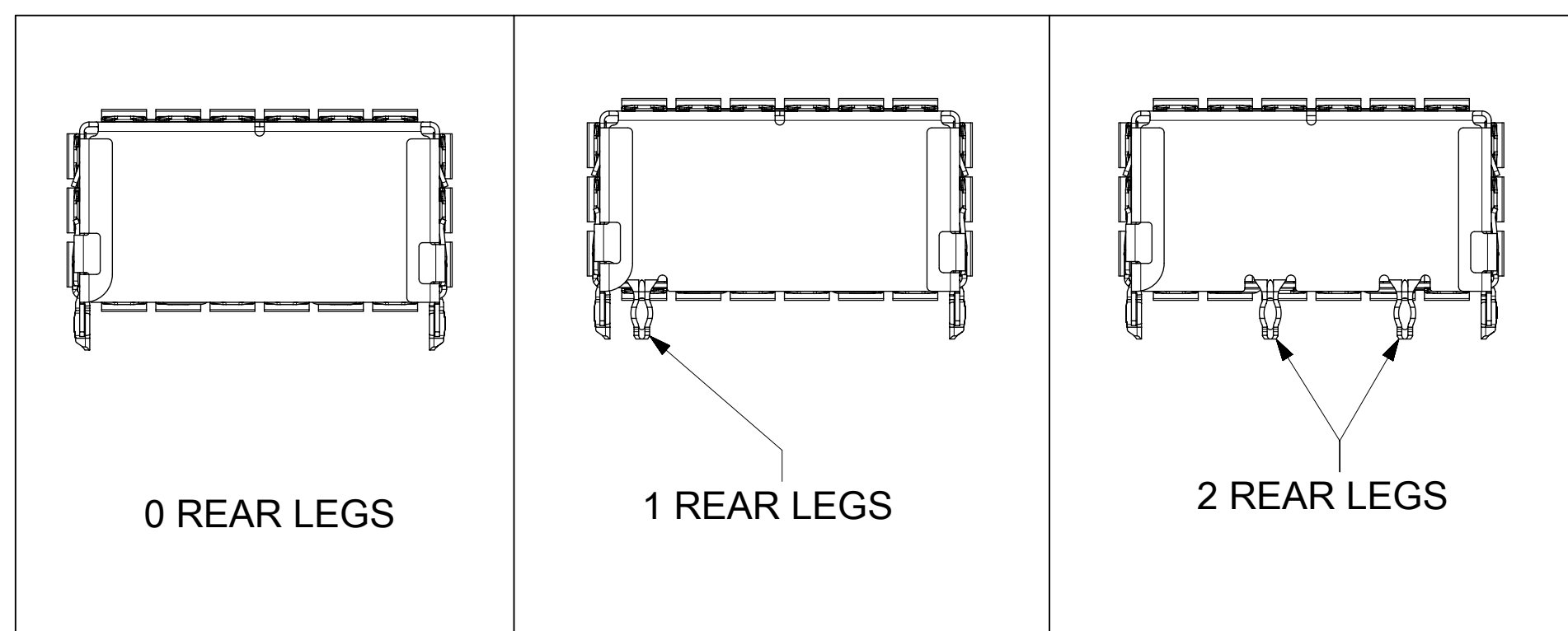
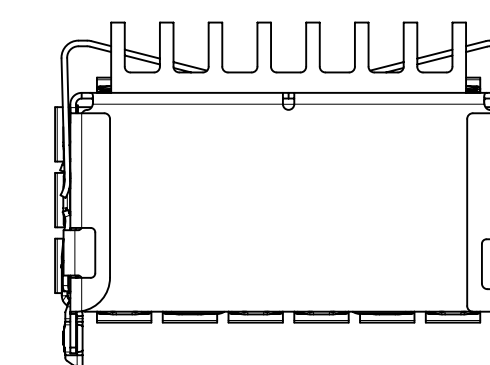
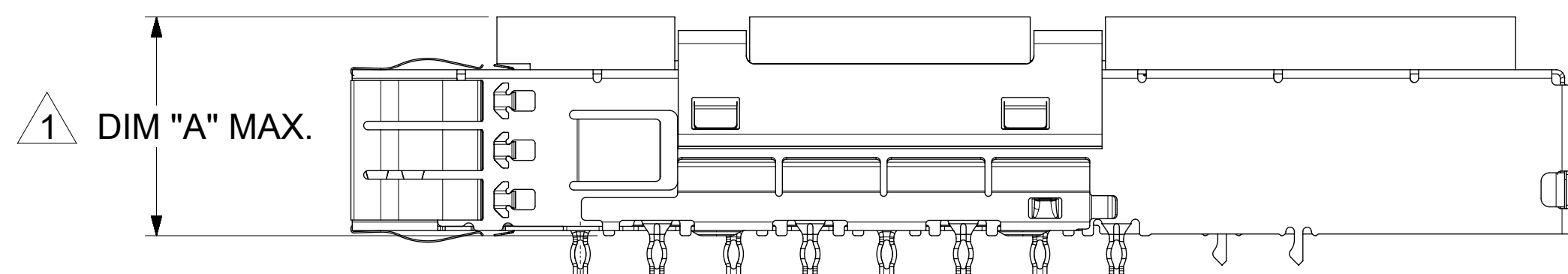
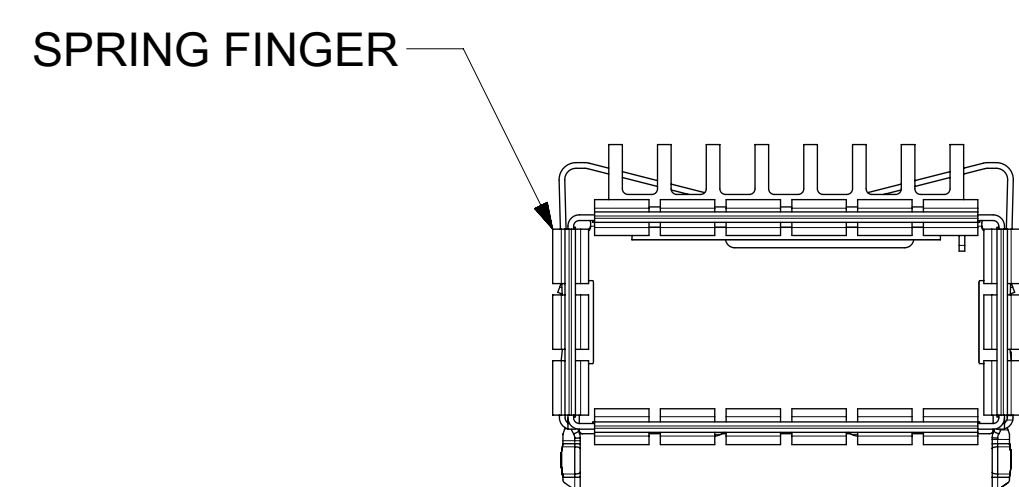
2031431439 SHOWN



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

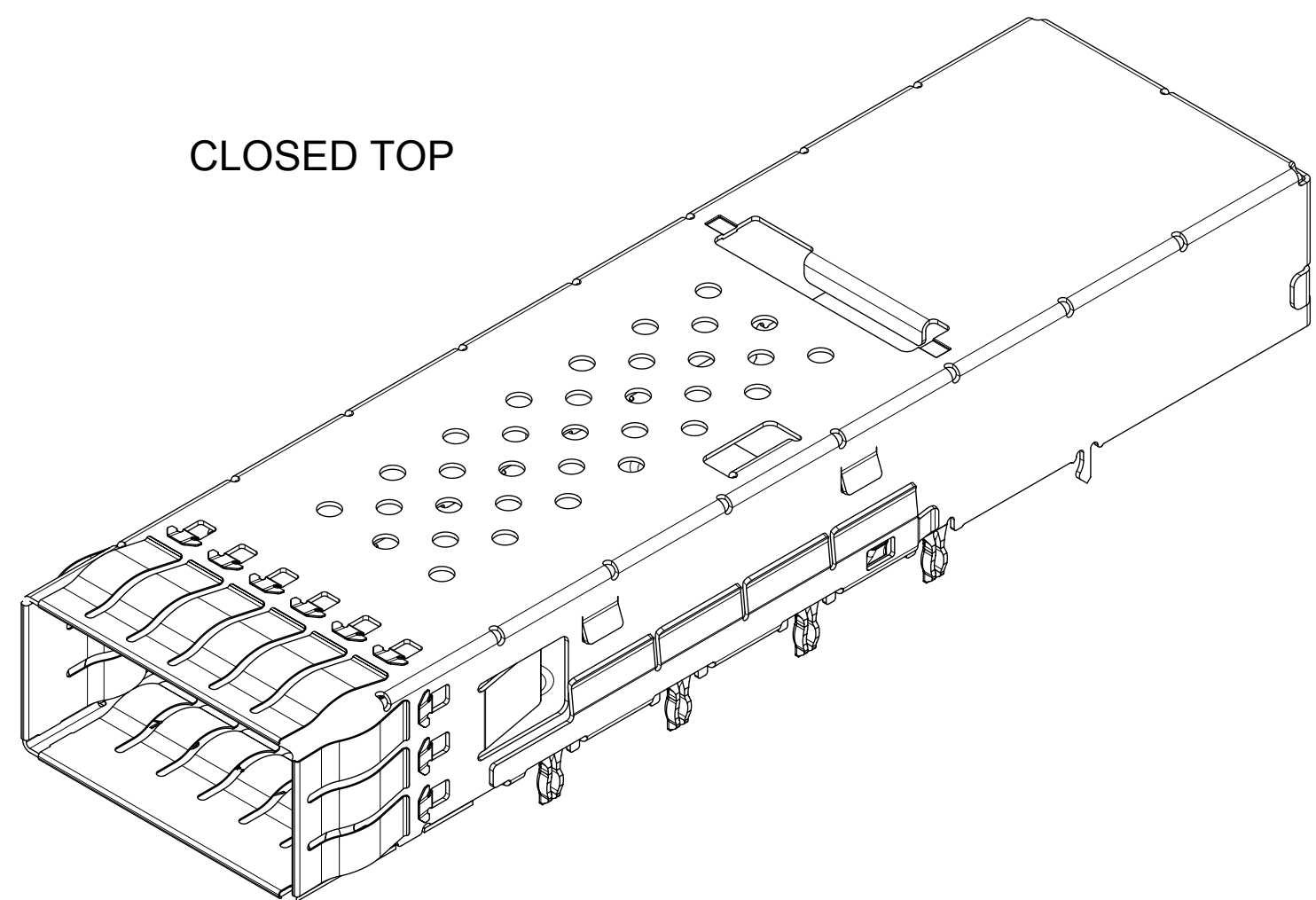


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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE P/N TABLE		molex				
mm	3:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 173798		QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS				
ANGULAR TOL	± 2.0°	DRWN: PGSHETTY	2018/02/01					
4 PLACES	±	CHK'D: LLU20	2018/03/22	PRODUCT CUSTOMER DRAWING				
3 PLACES	±	APPR: RCHEN08	2018/03/23					
2 PLACES	± 0.13	INITIAL REVISION:		DOCUMENT NUMBER				
1 PLACE	± 0.25	DRWN: LLU20	2017/07/17					2031431201
0 PLACES	±	APPR: RCHEN08	2017/08/15	PSD	ASY	C		
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	2 OF 7		

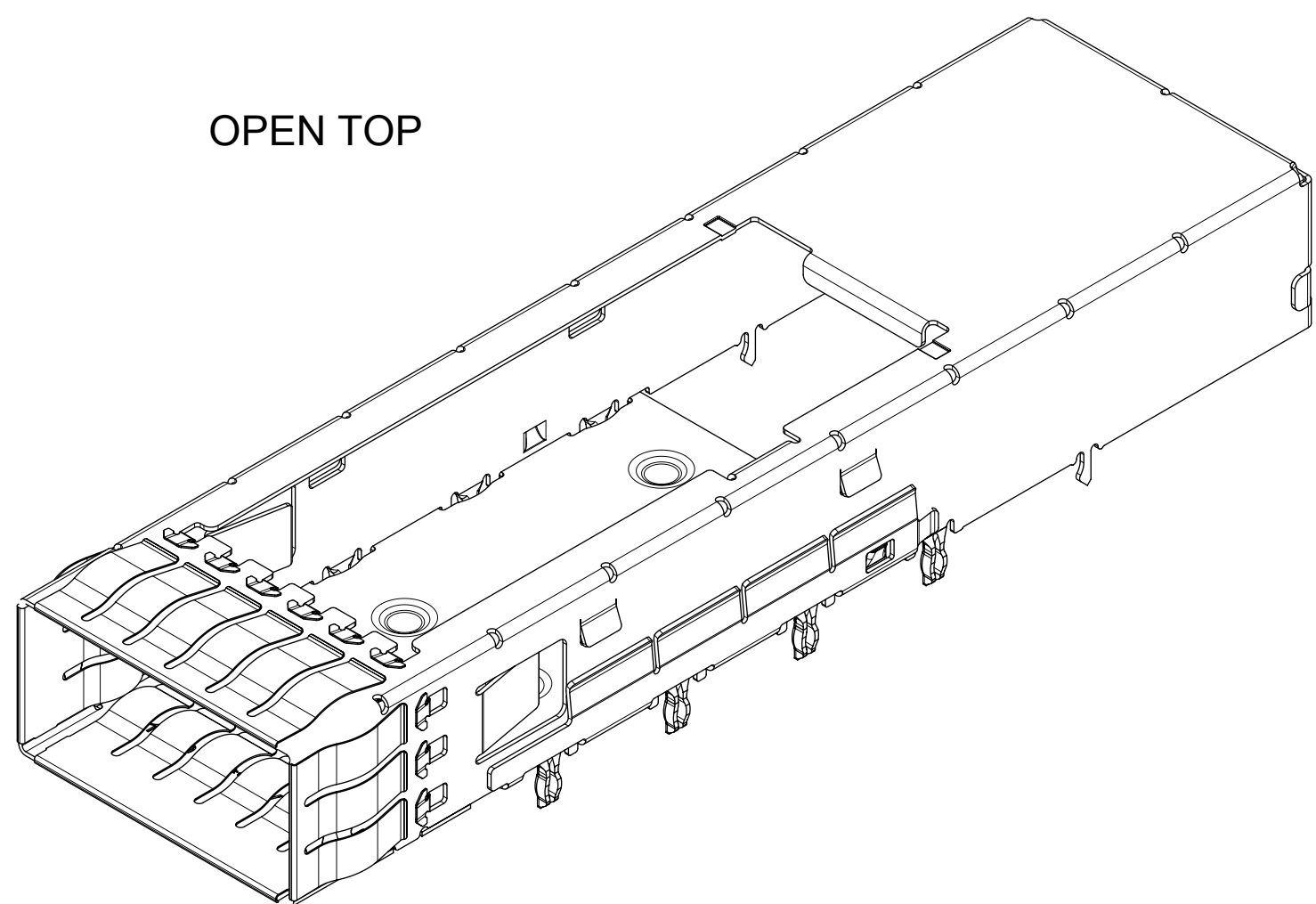
PART NUMBER SELECTION

CLOSED TOP



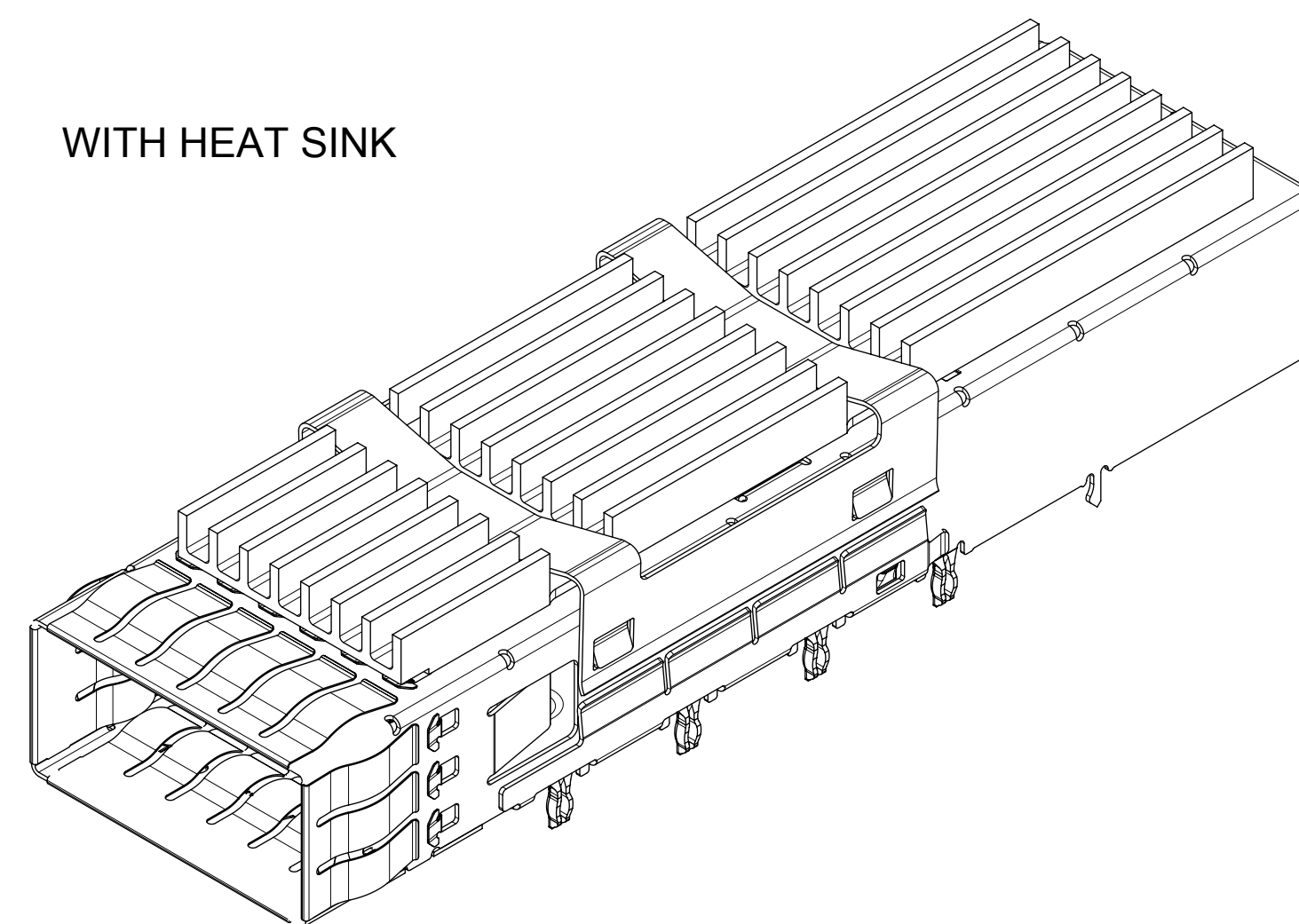
MOLEX P/N	# OF REAR LEGS PER PORT
2031431243	0
2031431244	1

OPEN TOP



MOLEX P/N	# OF REAR LEGS PER PORT
2031431254	0
2031431255	1
2031431256	2

WITH HEAT SINK

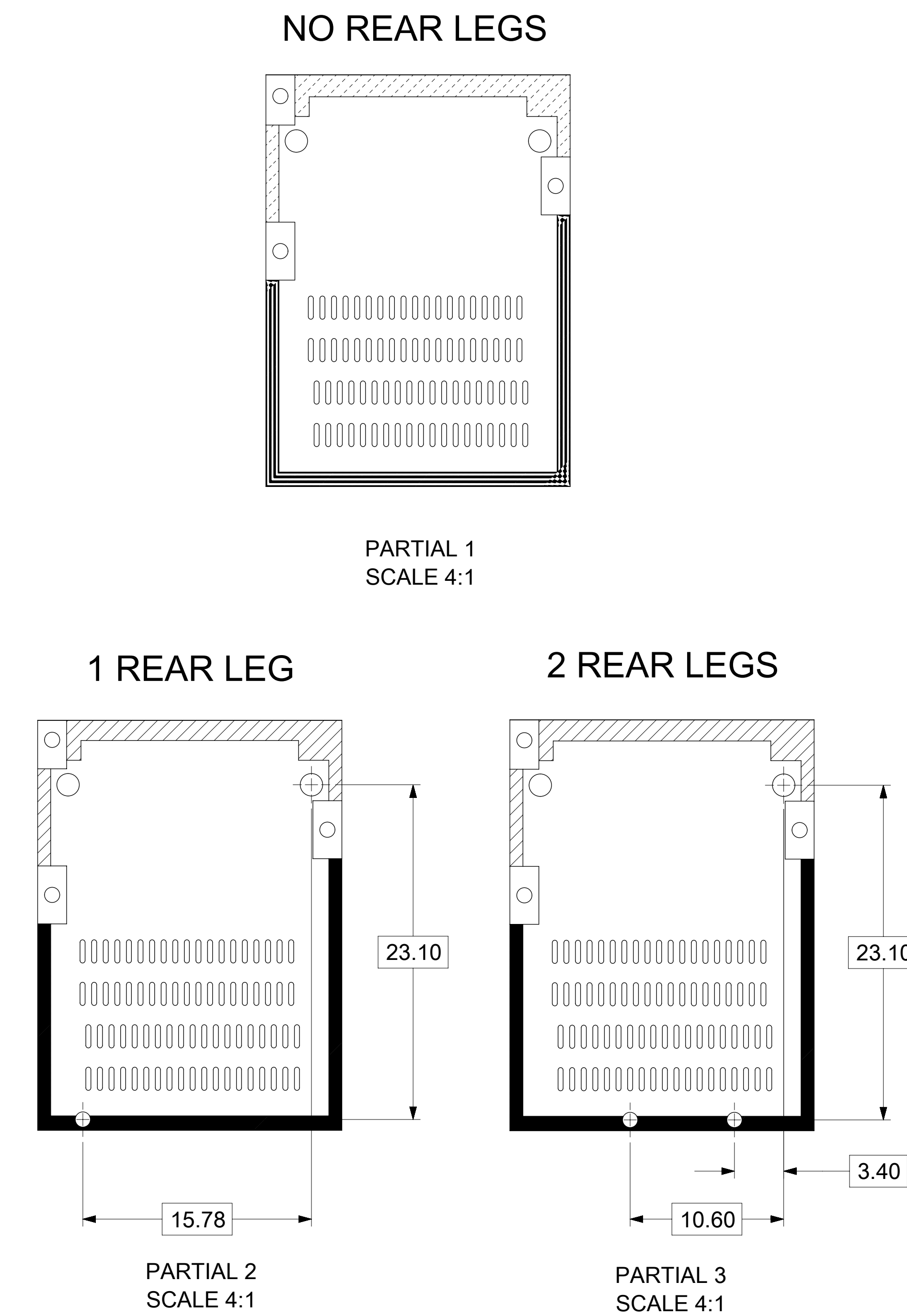
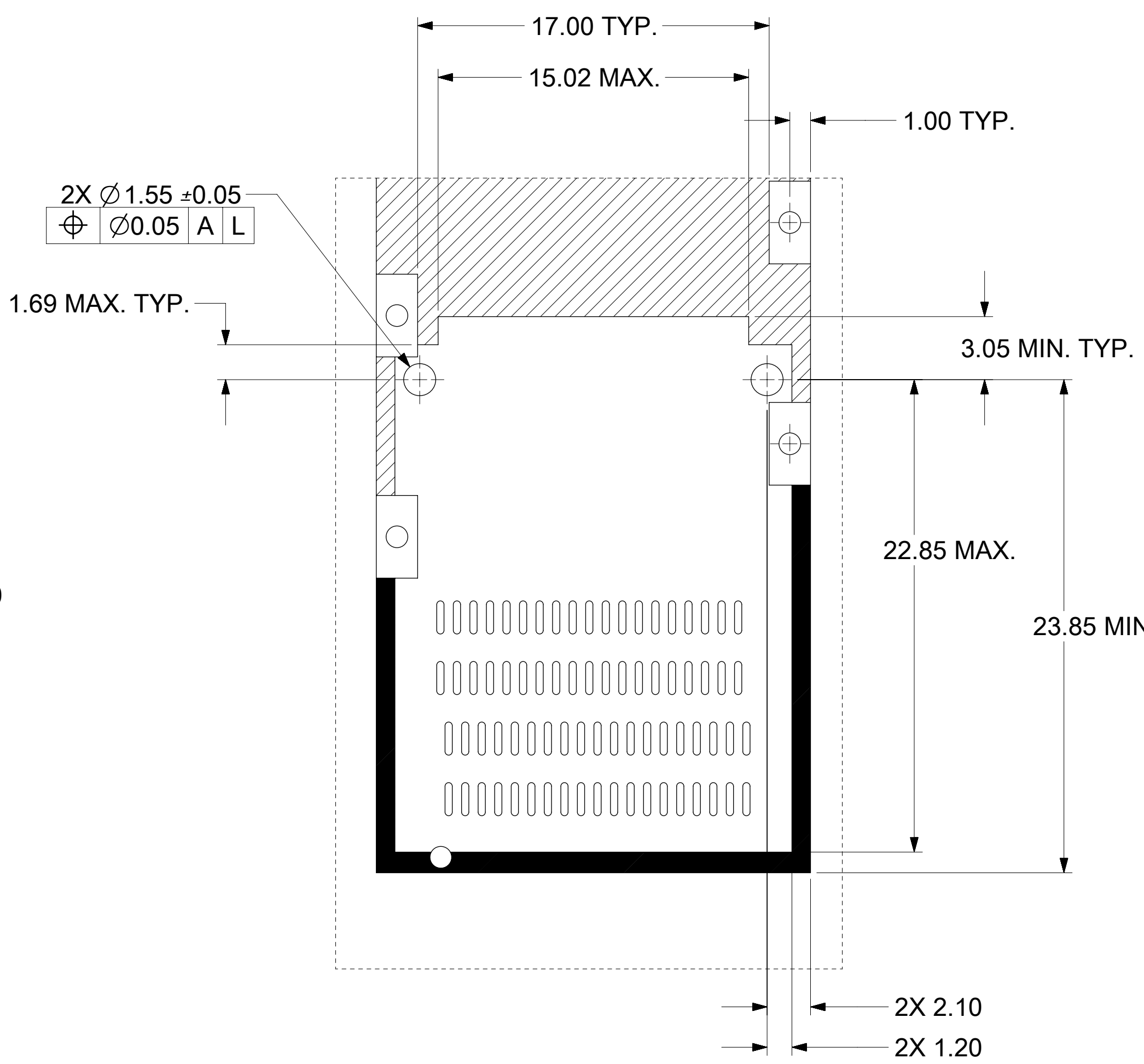
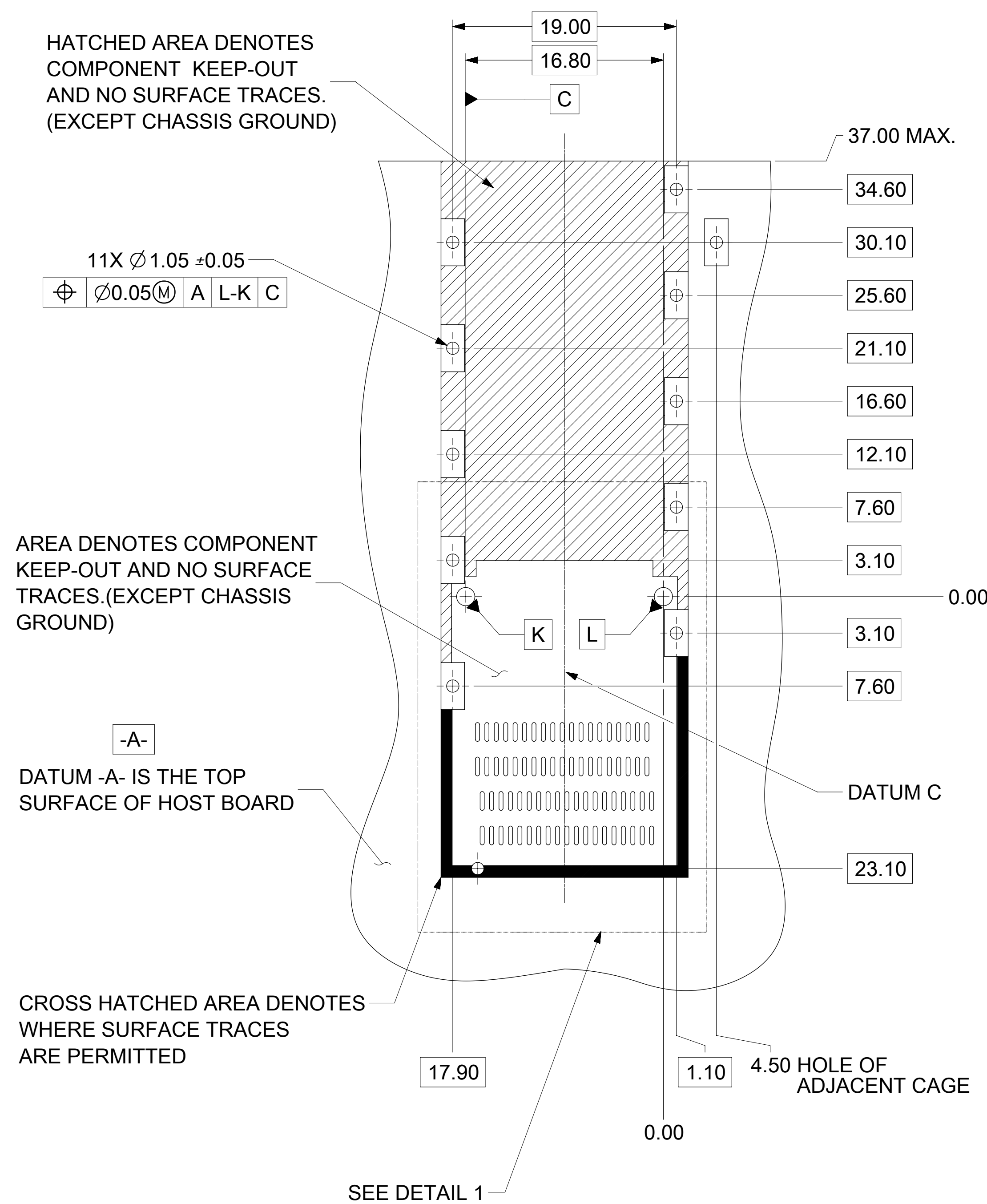


MOLEX P/N	HEAT SINK	# OF REAR LEGS PER PORT
2031431349	PCI	0
2031431350	SAN	0
2031431351	NET	0
2031431352	PCI	1
2031431353	SAN	1
2031431354	NET	1
2031431355	PCI	2
2031431356	SAN	2
2031431357	NET	2

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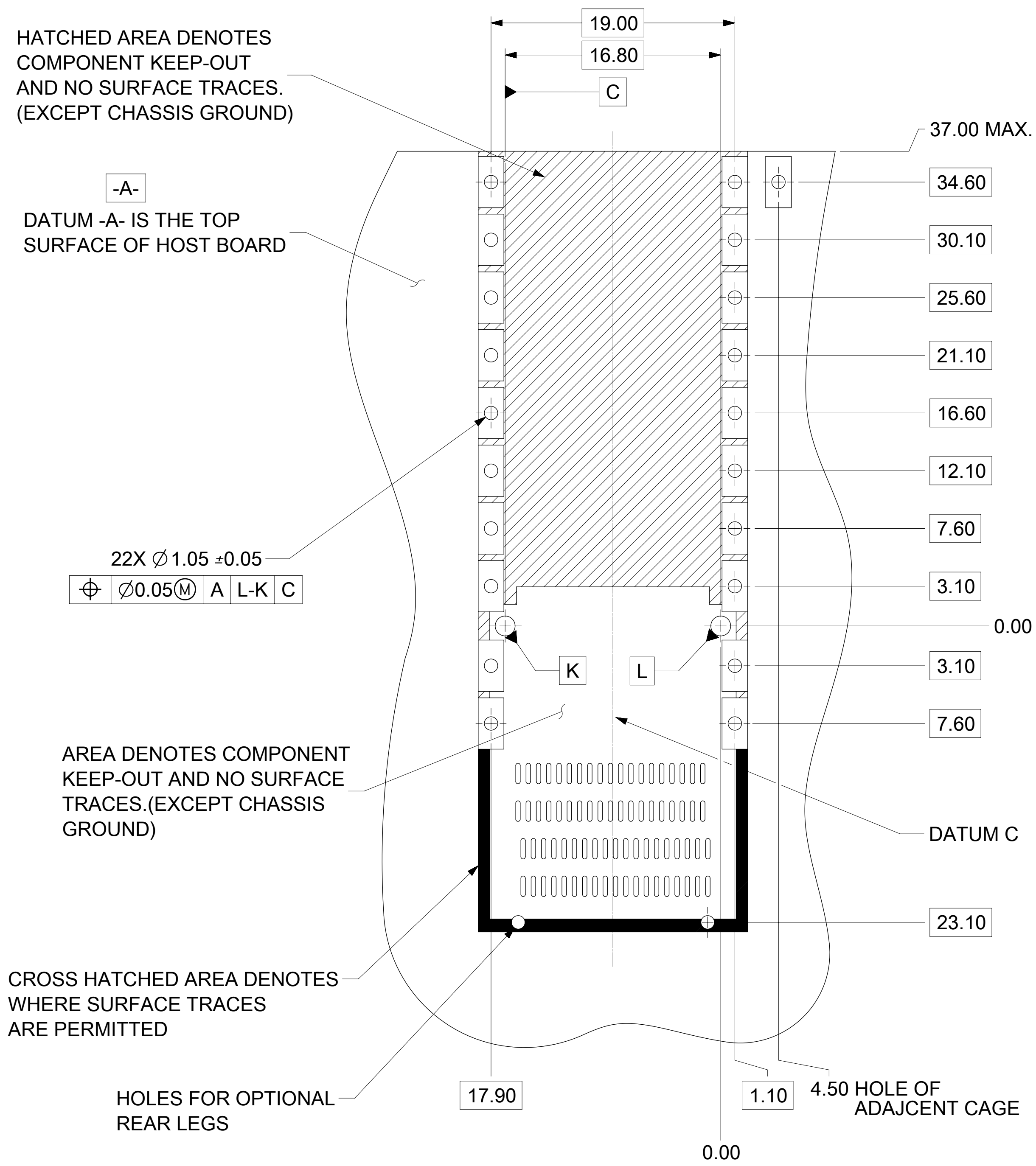
DIMENSION UNITS mm	SCALE 3:1	CURRENT REV DESC: SEE P/N TABLE					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 173798					
ANGULAR TOL	± 2.0°	DRWN: PGSHETTY		2018/03/22		PRODUCT CUSTOMER DRAWING	
4 PLACES	±	CHK'D: LLU20		2018/03/22		DOCUMENT NUMBER	
3 PLACES	±	APPR: RCHEN08		2018/03/23		2031431201	
2 PLACES	± 0.13	INITIAL REVISION:		2017/07/17		PSD	AS Y
1 PLACE	± 0.25	DRWN: LLU20		2017/08/15		C	REVISION
0 PLACES	±	APPR: RCHEN08		2017/08/15		DOC TYPE	
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



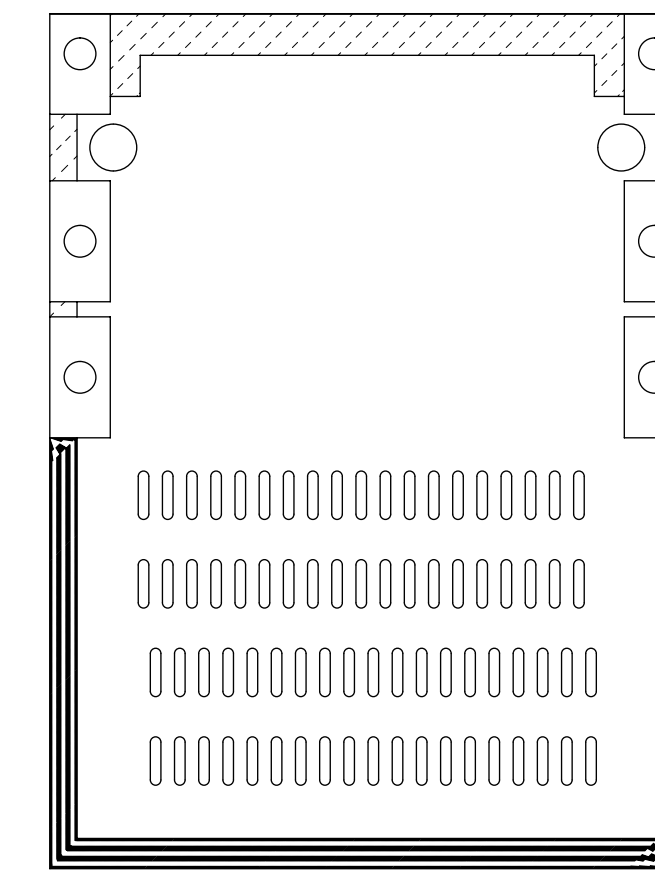
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE P/N TABLE					
mm		3.5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL				± 2.0°		EC NO: 173798			
4 PLACES				±		DRWN: PGSHETTY 2018/02/01			
3 PLACES				±		CHK'D: LLU20 2018/03/22			
2 PLACES				± 0.13		APPR: RCHEN08 2018/03/23			
1 PLACE				± 0.25		INITIAL REVISION:			
0 PLACES				±		DRWN: LLU20 2017/07/17			
						APPR: RCHEN08 2017/08/15			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER
			D-SIZE		203143		203143		SEE P/N TABLE
CUSTOMER									
GENERAL MARKET									
SHEET NUMBER									
4 OF 7									

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



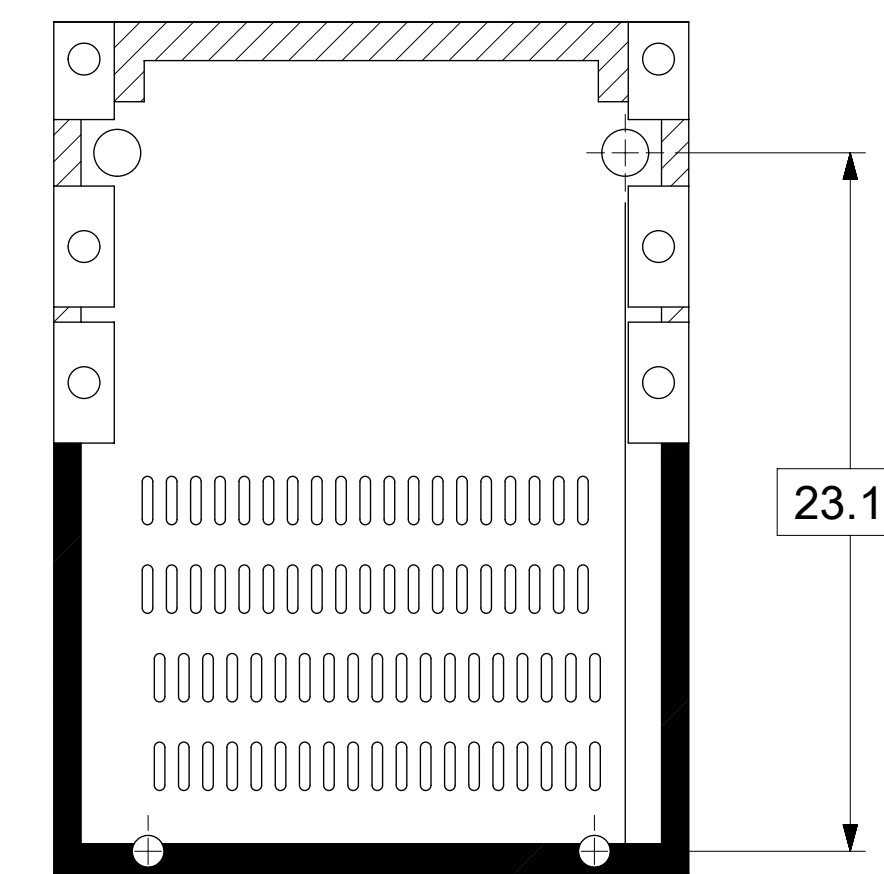
NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS

NO REAR LEGS



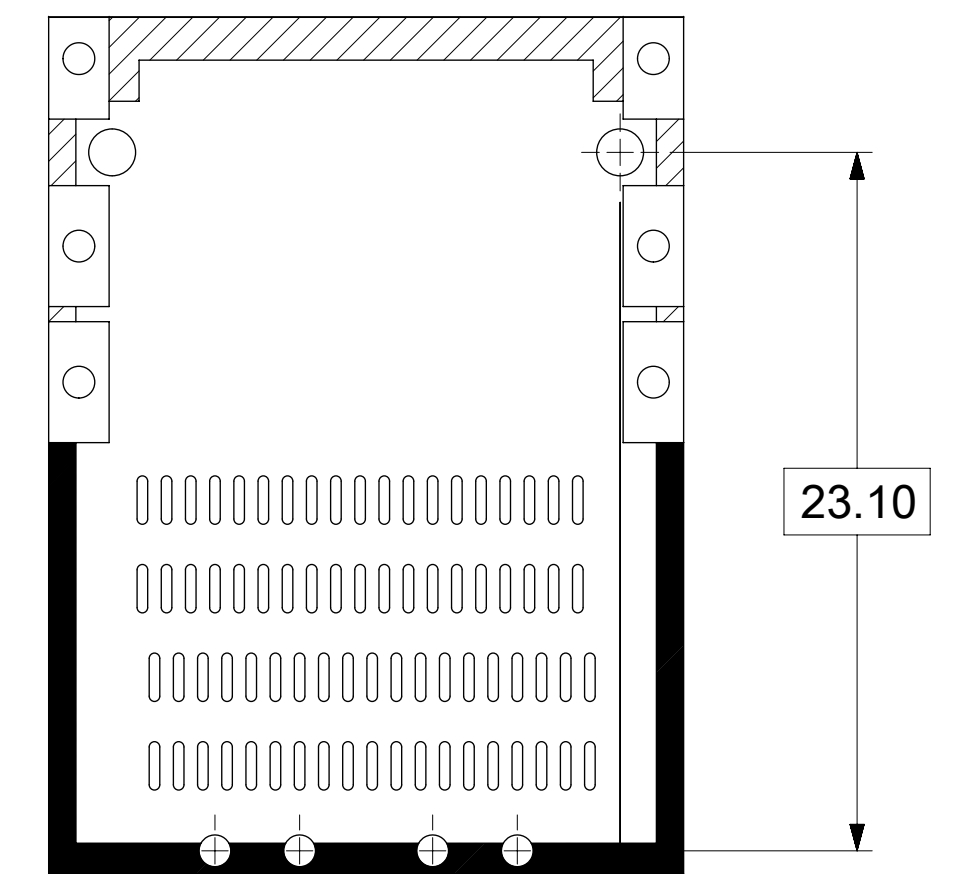
PARTIAL 1
SCALE 4:1

1 REAR LEG



PARTIAL 2
SCALE 4:1

2 REAR LEGS

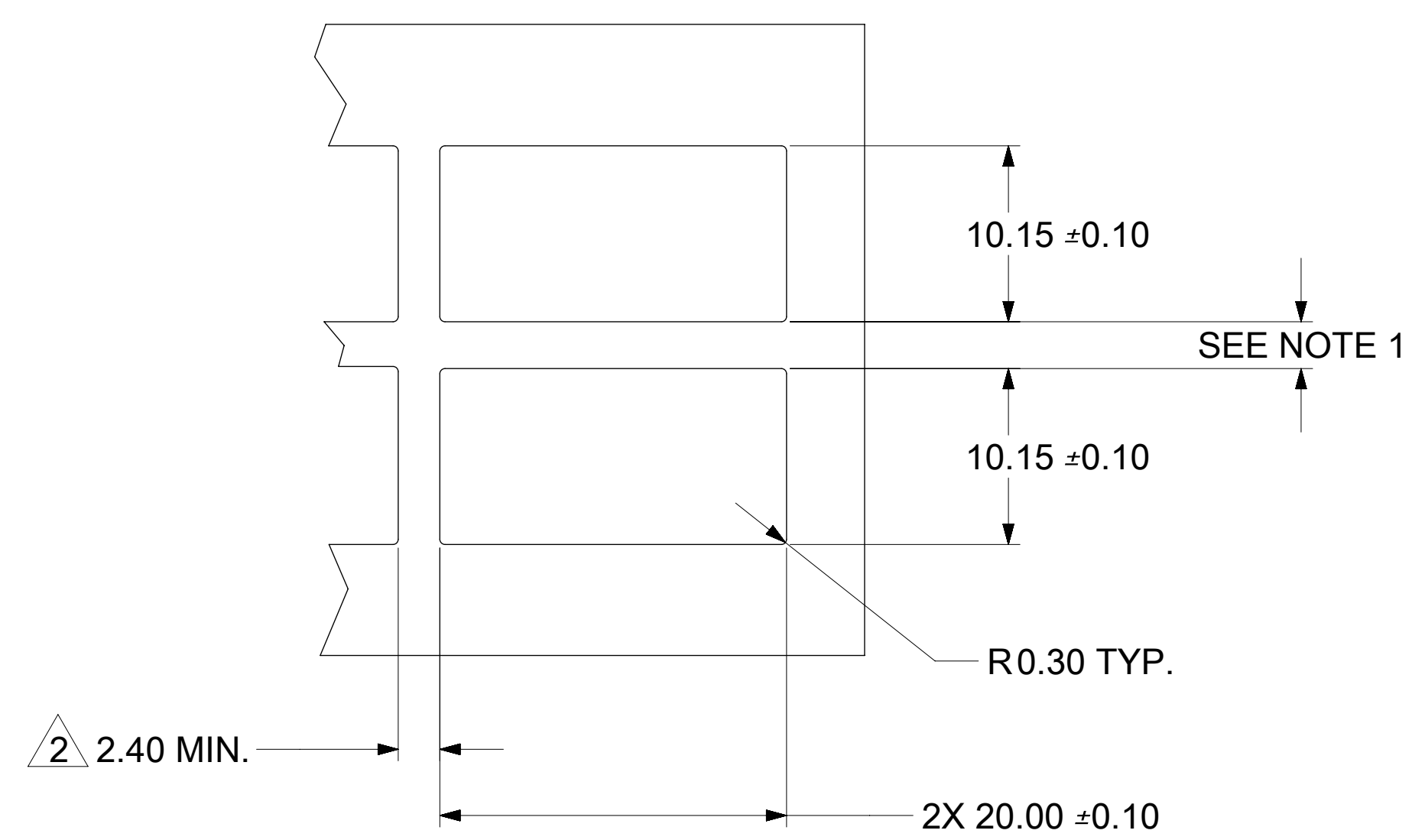
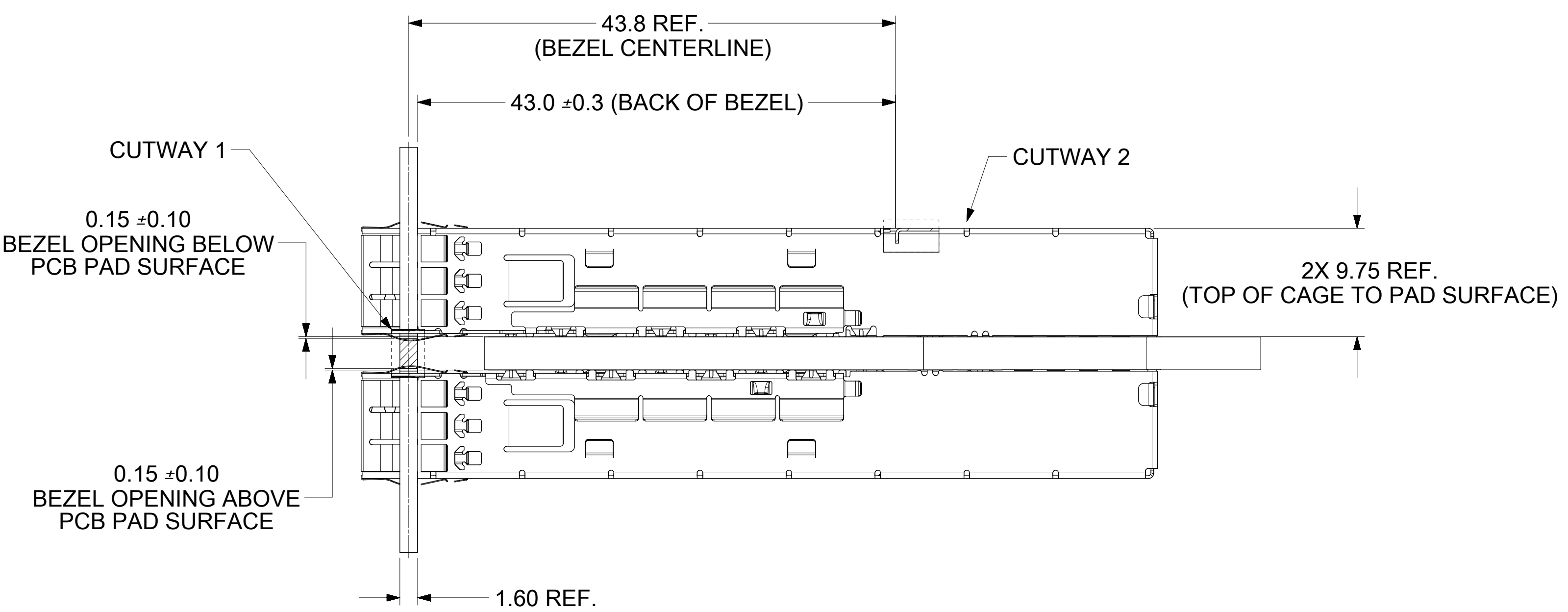


PARTIAL 3
SCALE 4:1

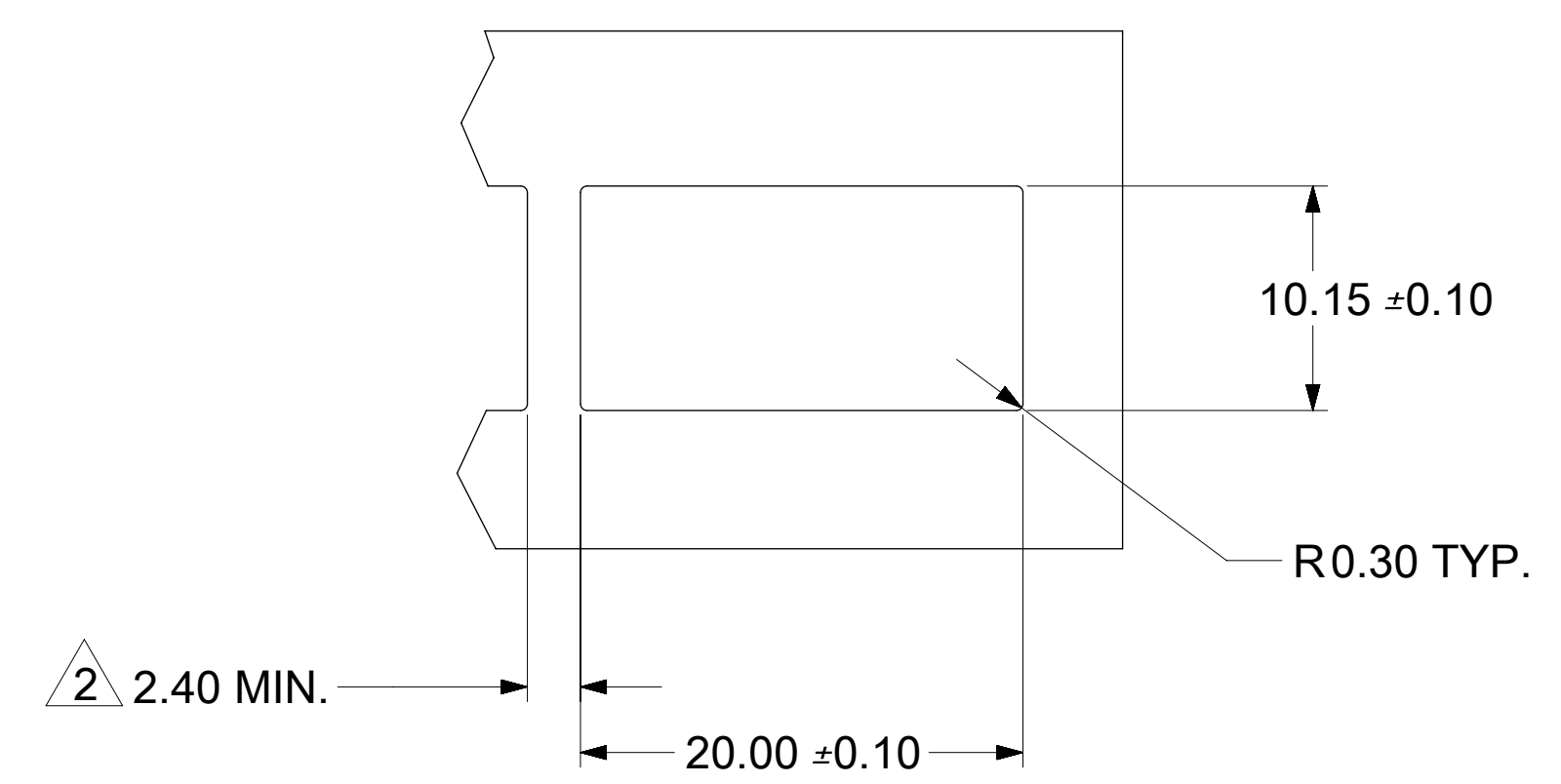
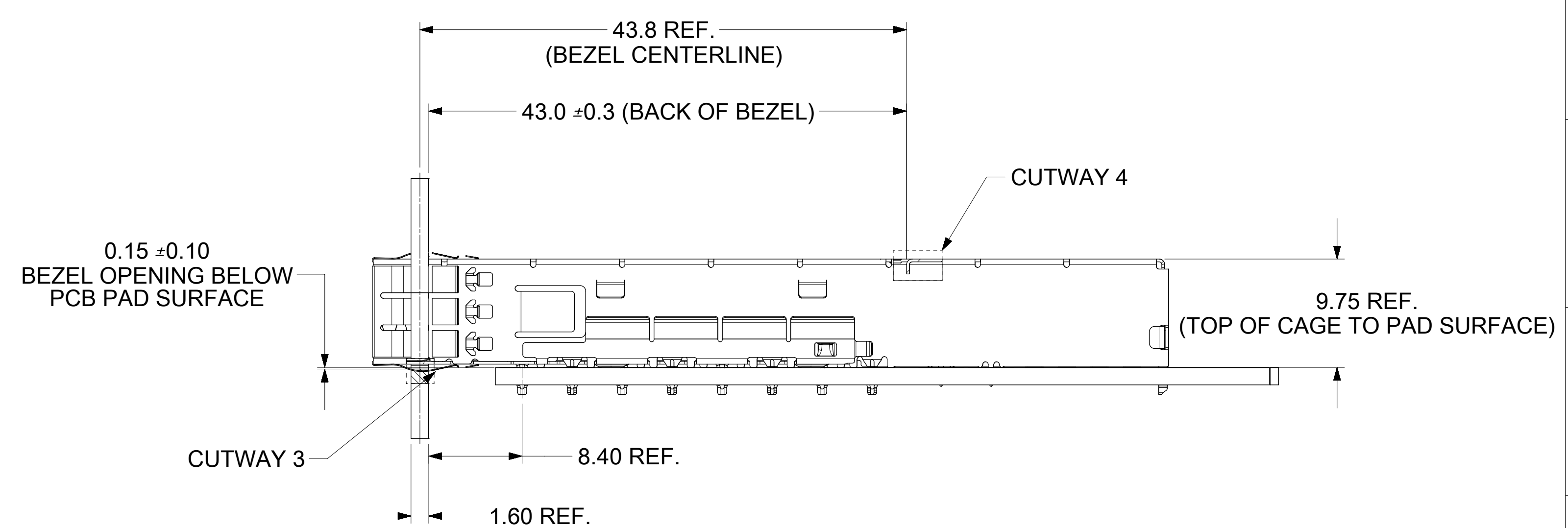
- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER QSFP-DD WILL ACCOMMODATE MOLEX CONNECTOR SERRIES 202718.

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DIMENSION UNITS mm		SCALE 4:1		CURRENT REV DESC: SEE P/N 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> <p>DOCUMENT NUMBER: 2031431201 DOC TYPE: PSD DOC PART: ASY REVISION: C</p> <p>MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 5 OF 7</p>					
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							

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.)

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DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE P/N TABLE					
mm		3:1		<div style="text-align: center;">molex</div> QSFP-DD 1X1 CAGE ASSY SF WITH FIN H/S OPTIONS PRODUCT CUSTOMER DRAWING					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 2.0°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.13							
1 PLACE		± 0.25		EC NO: 173798		2018/02/01			
0 PLACES		±		DRWN: PGSHETTY		2018/03/22			
DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
MUST REMAIN WITHIN DIMENSIONS				D-SIZE		203143		2017/08/15	
DOCUMENT STATUS		P1		RELEASE DATE		2018/03/23		10:54:21	
2018/03/23		19		18		17		16	
15		14		13		12		11	
10		9		8		7		6	
5		4		3		2		1	

