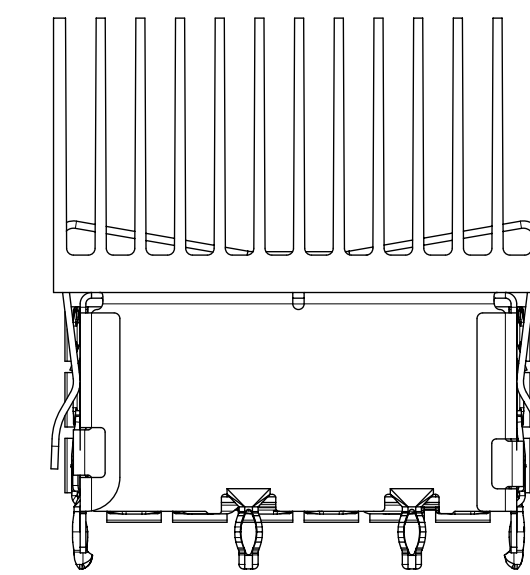
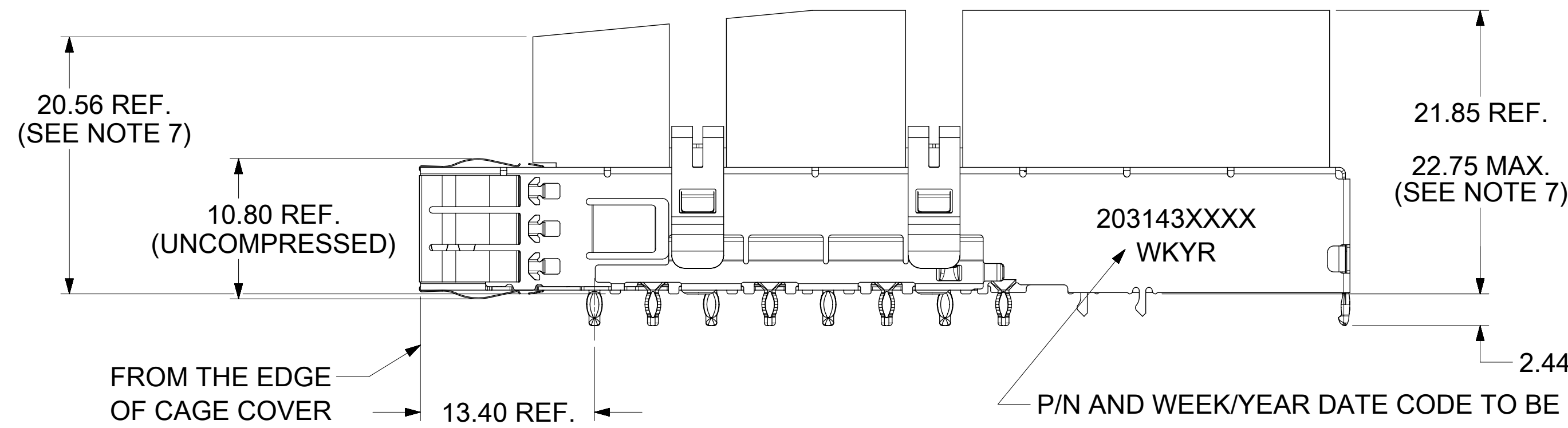
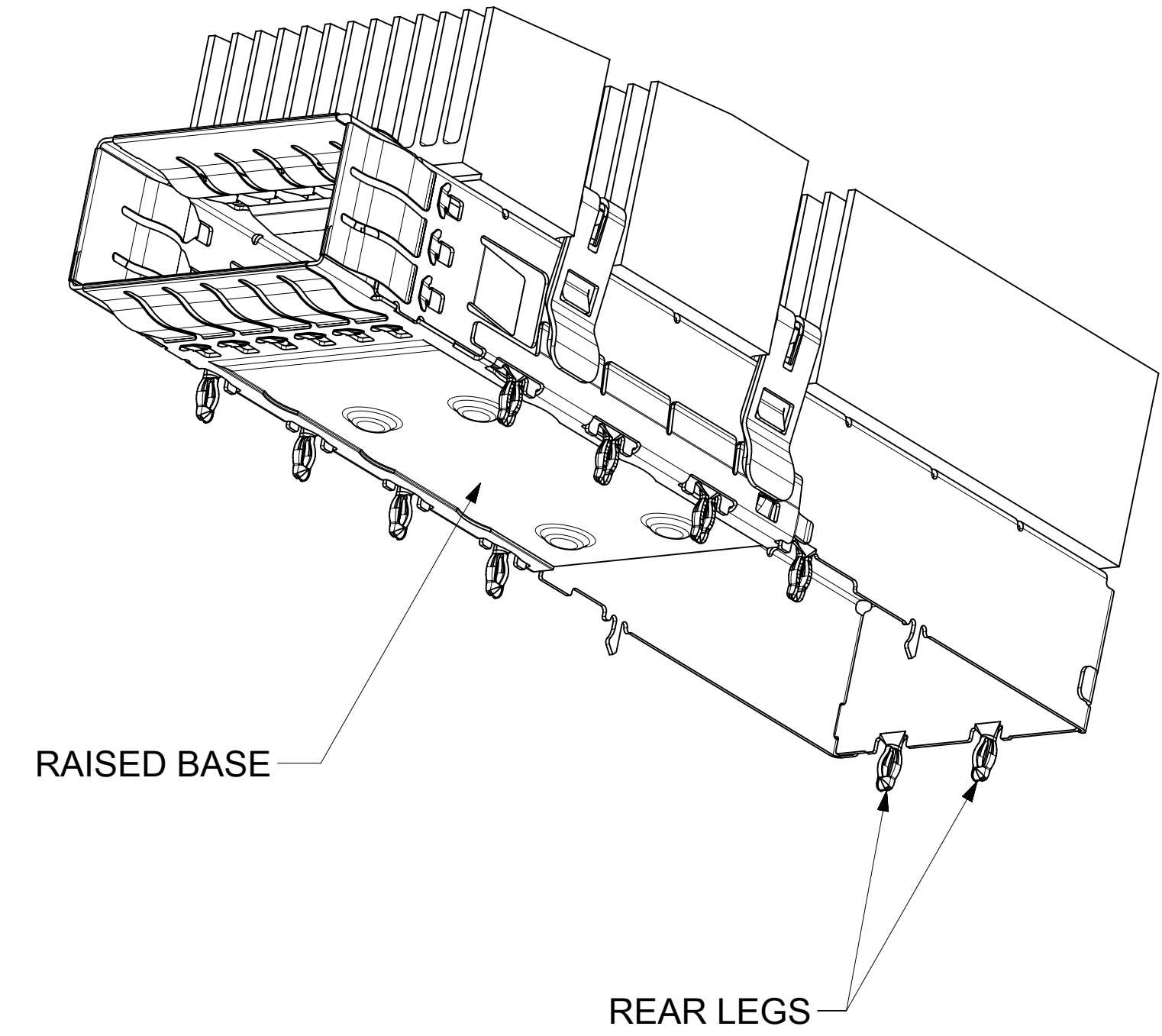
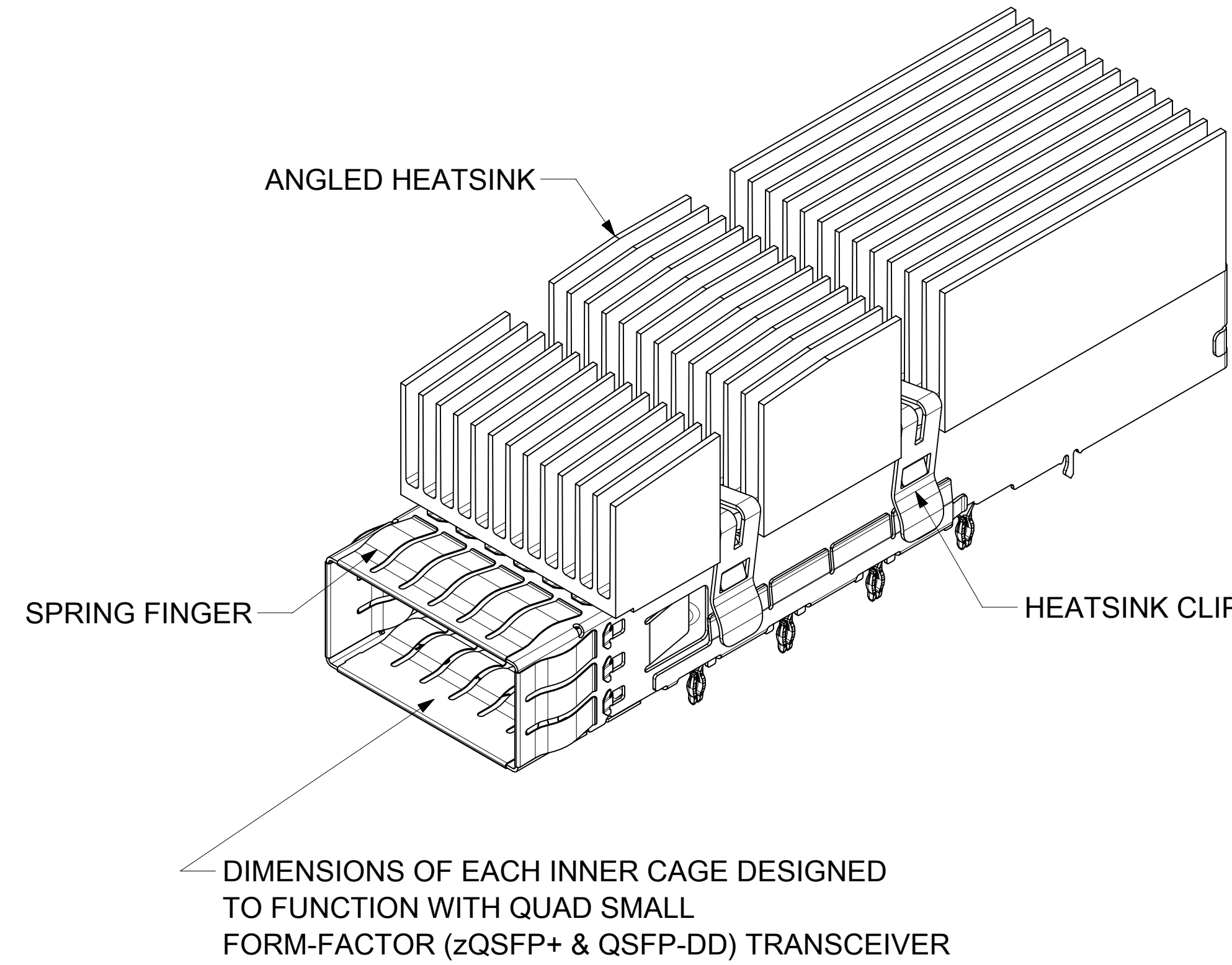
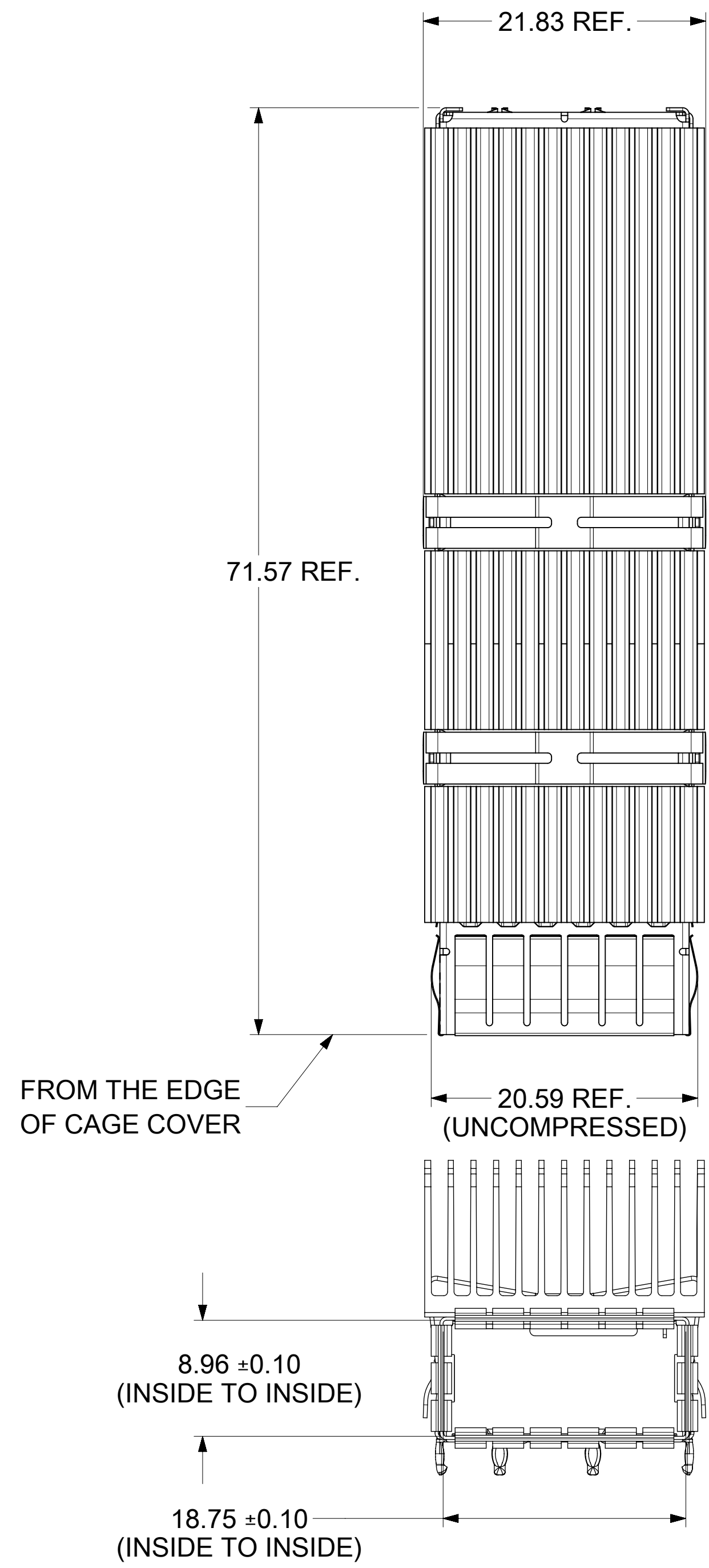


# CAGE DETAILS

2031431993



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.

WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 OR 53 (EXAMPLE: 01= FIRST WEEK OF YEAR, 52 OR 53 = LAST WEEK OF YEAR)
YR	20, 21, 22 ETC.. (EXAMPLE: YEAR 2020= 20)

MOLEX P/N	HEATSINK TYPE	SHEET NUMBER
2031431993	ANGLED	1
2031432067	FLAT	2
2031432089	FLAT	3

## NOTES:

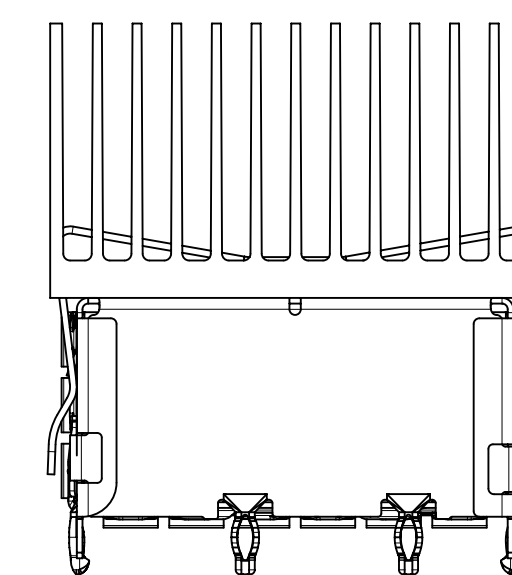
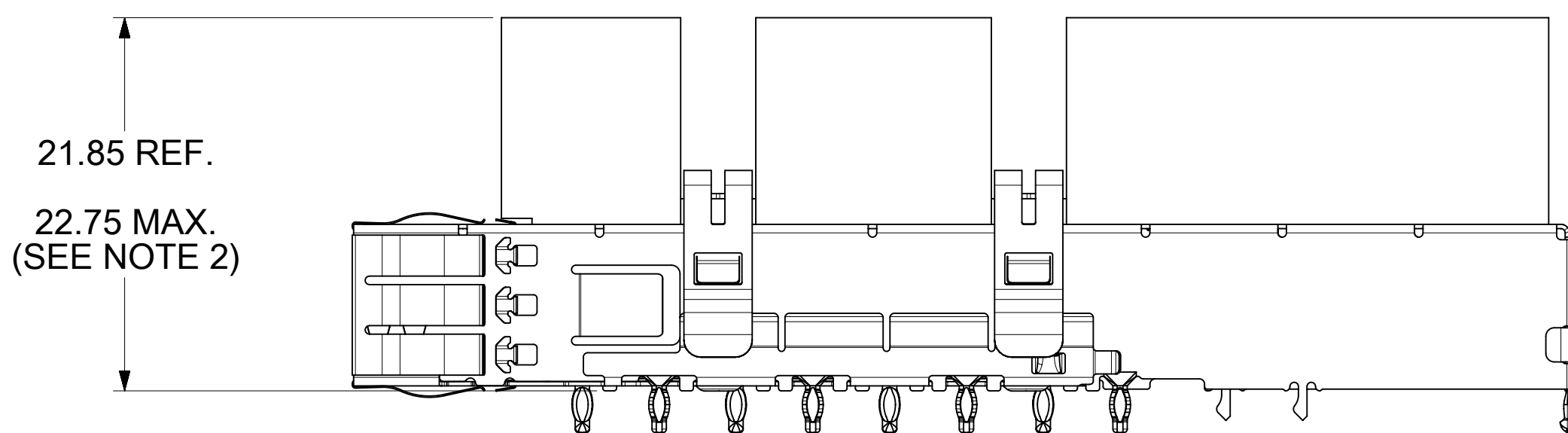
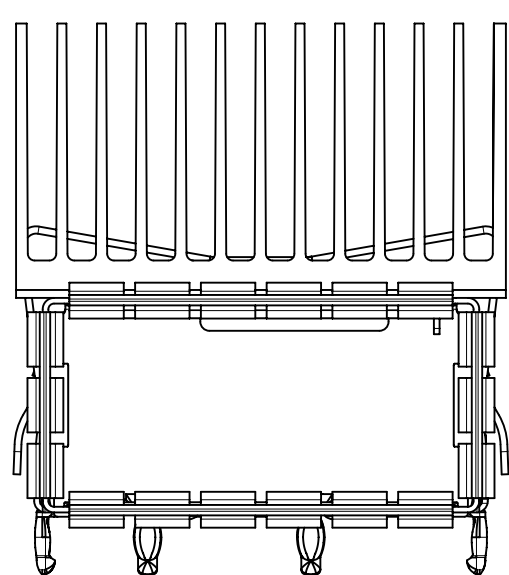
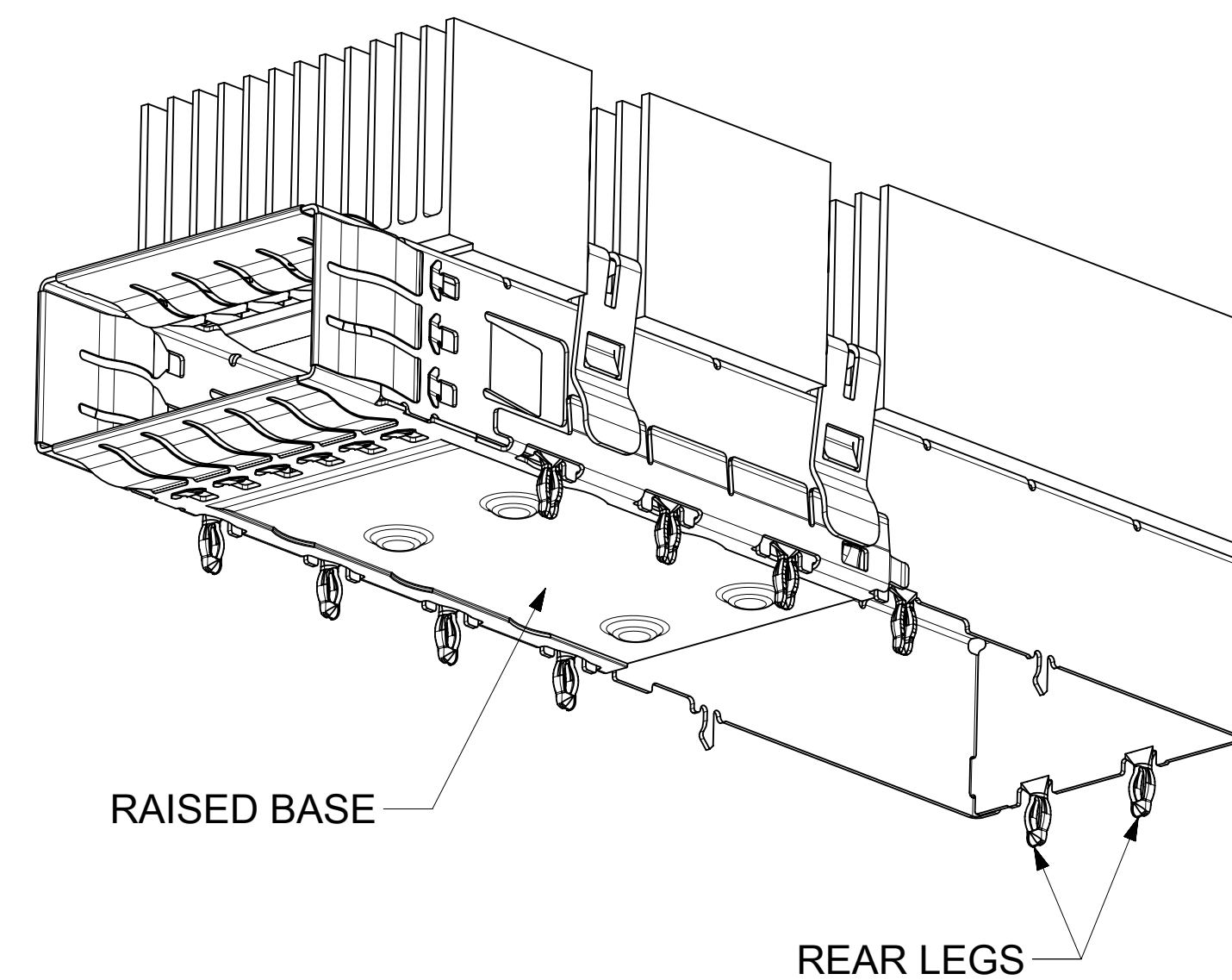
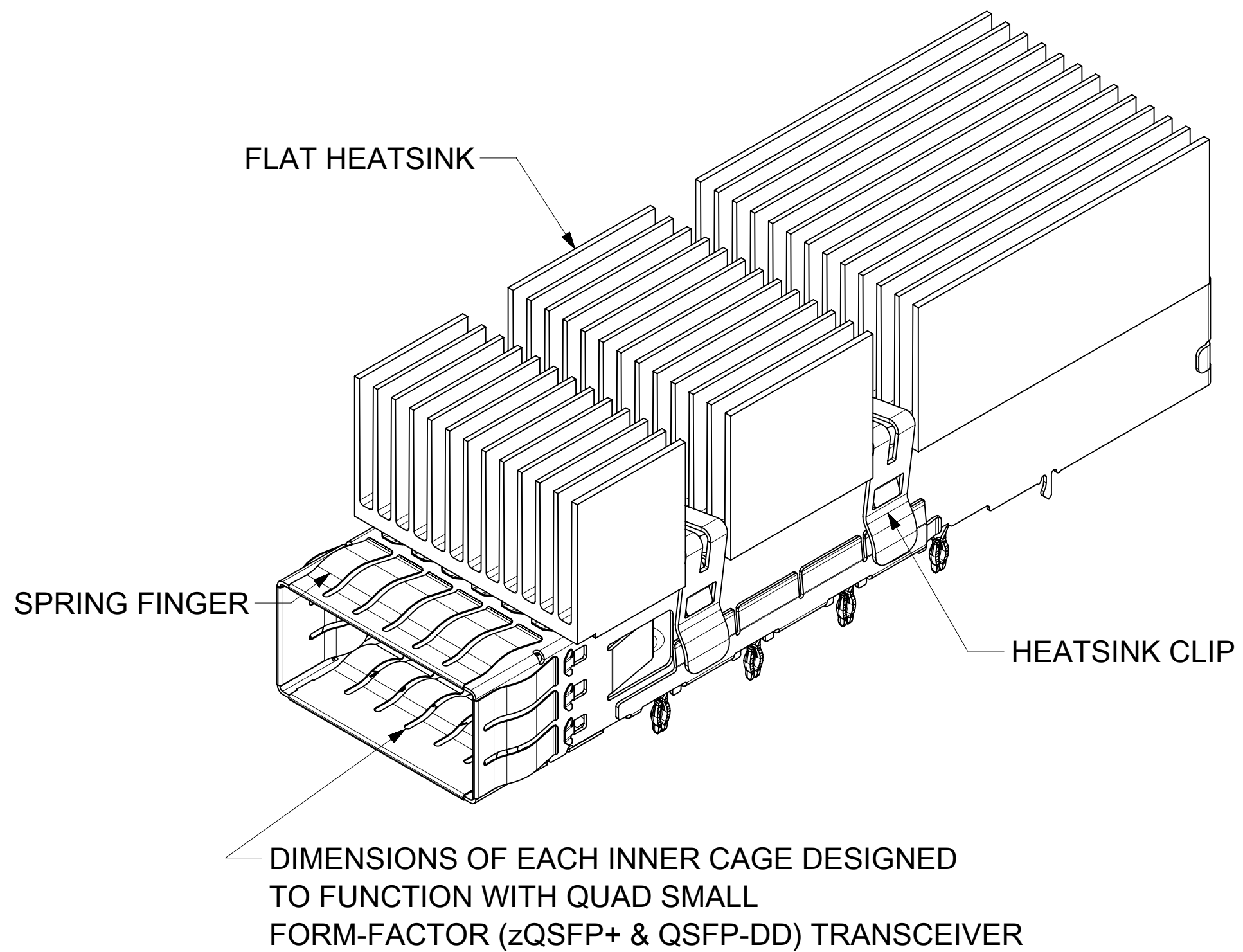
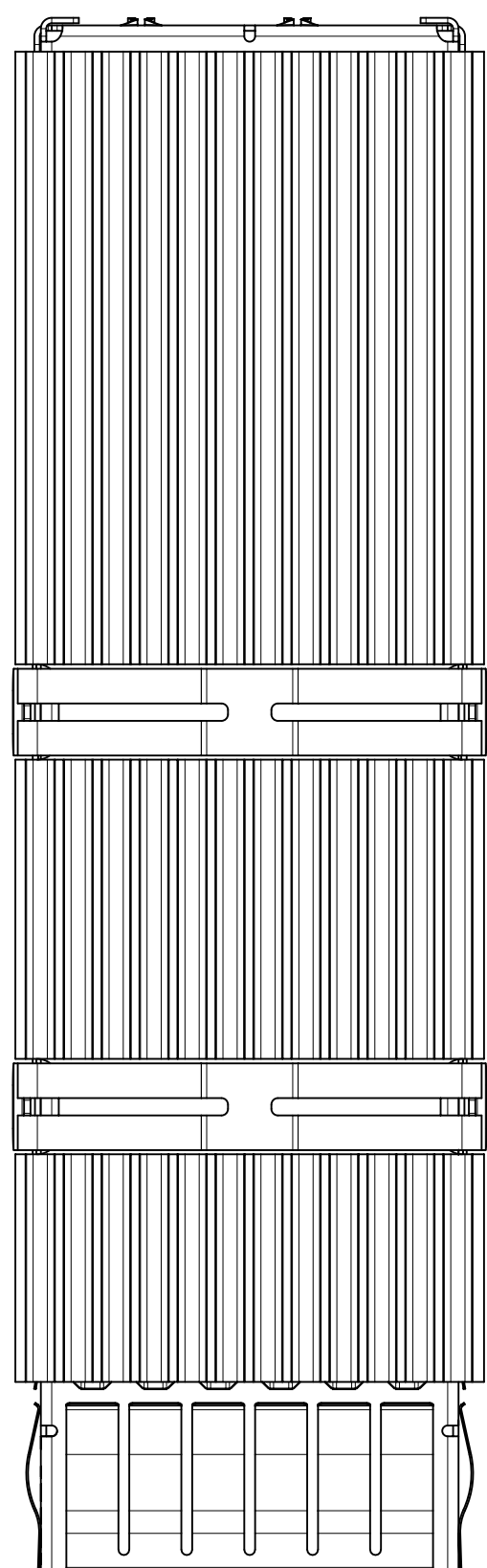
- MATERIAL: CAGE : STAINLESS STEEL.  
SPRING FINGERS : STAINLESS STEEL.  
HEAT SINK: ALUMINUM(BLACK ANODIZATION)  
HEAT SINK CLIP: STAINLESS STEEL
- DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED BY USING APPROPRIATE GO - NO GO GAGE.
- DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS IS CORRECT.
- PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC ES-171233-0001 (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.
- HEIGHT OF HEATSINK WITH MODULE INSERTED,  
DIMENSION MAY BE LESS DUE TO MODULE AND HETASINK VARIATIONS.

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


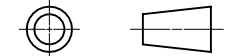
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE	
mm	3:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 2.0°		
4 PLACES	±	EC NO: 697632	
3 PLACES	± 0.15	DRWN: JYEN01	2022/03/01
2 PLACES	± 0.15	CHK'D: THSU02	2022/03/01
1 PLACE	± 0.3	APPR: SCHIEN	2022/03/09
0 PLACES	± 0.3	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: JYEN01	2020/05/06
		APPR: JCHIANG	2020/06/19
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
		D-SIZE	203143
		CUSTOMER	SEE P/N TABLE
		DOCUMENT NUMBER	2031431993
		DOC TYPE	PSD
		DOC PART	ASY
		REVISION	C
		SHEET NUMBER	
		1 OF 7	

# CAGE DETAILS

2031432067

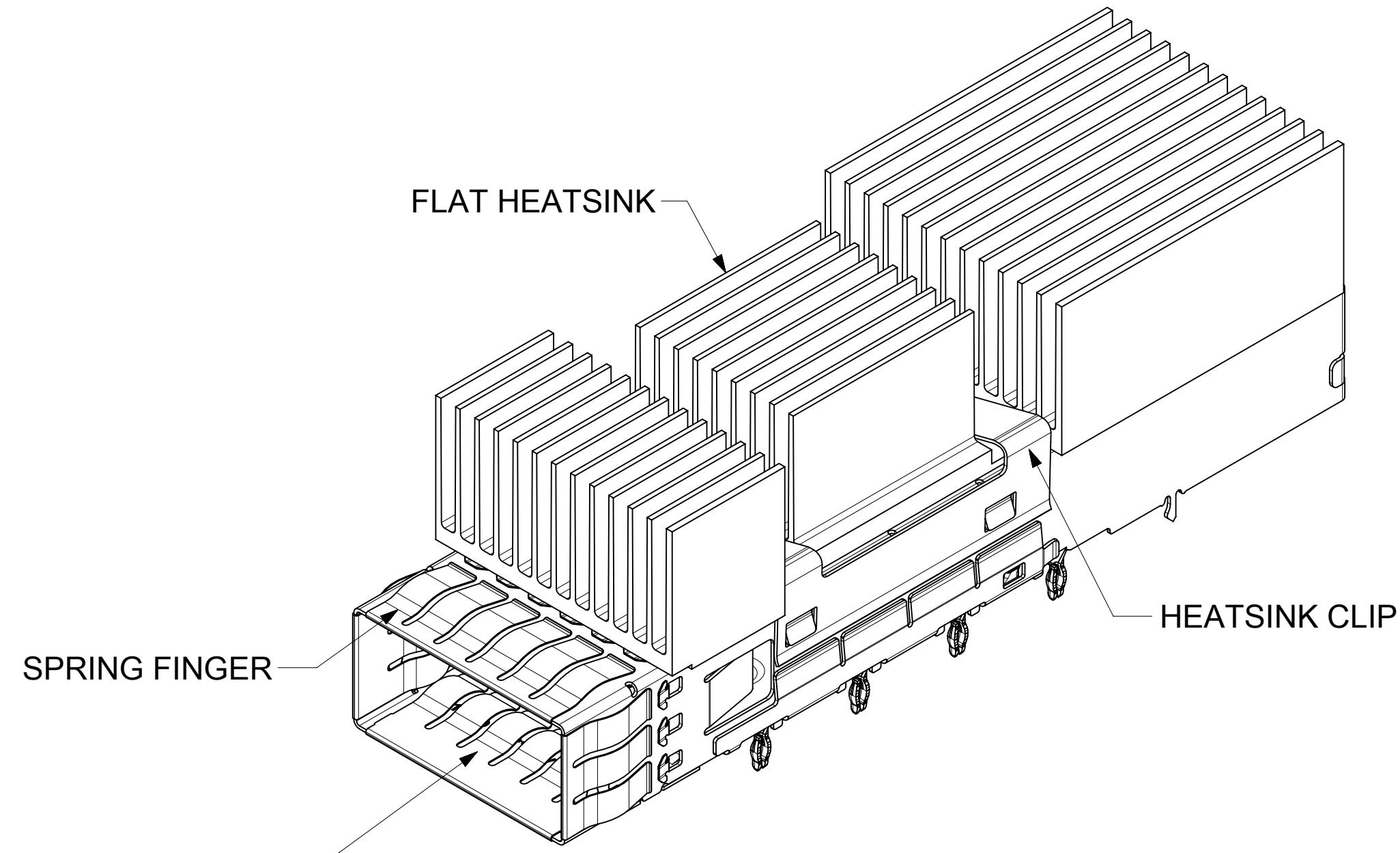
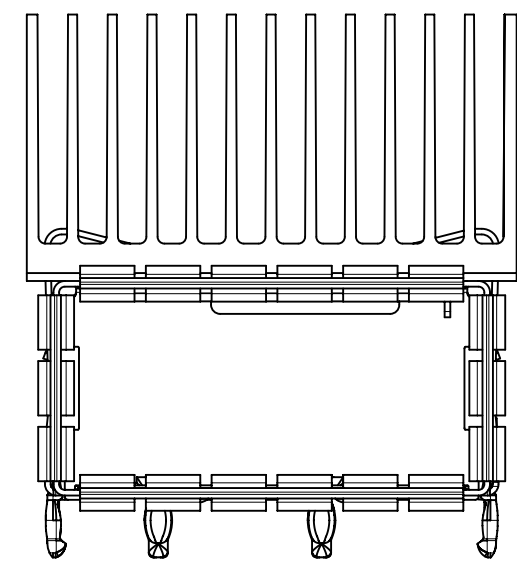
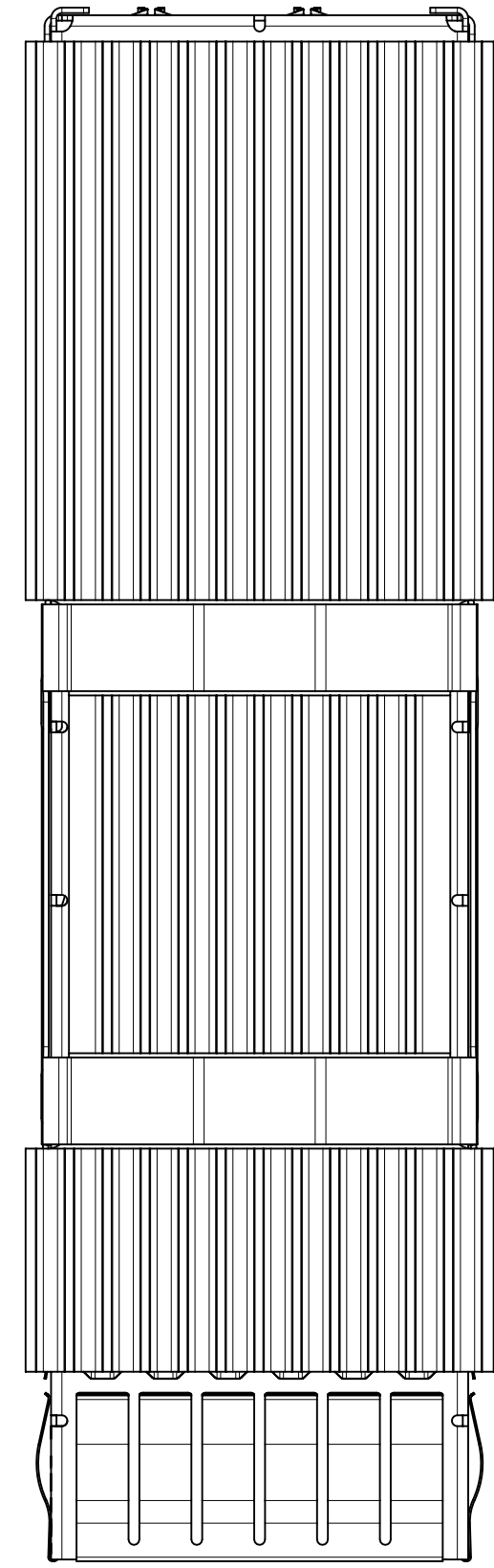


- NOTES:
- REFER SHEET 1 FOR COMMON DIMENSIONS.
  - HEIGHT OF HEATSINK WITH MODULE INSERTED, DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

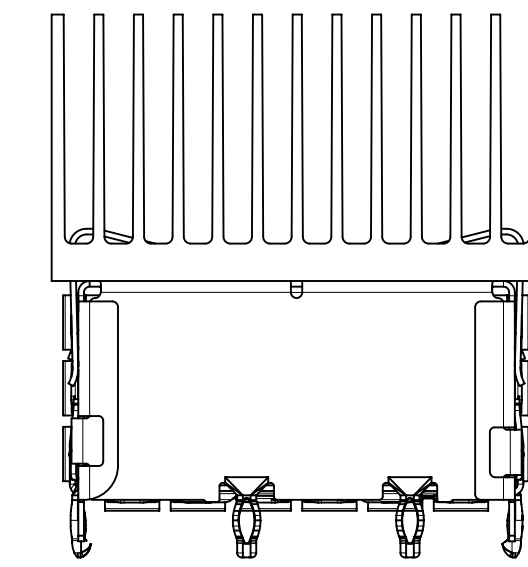
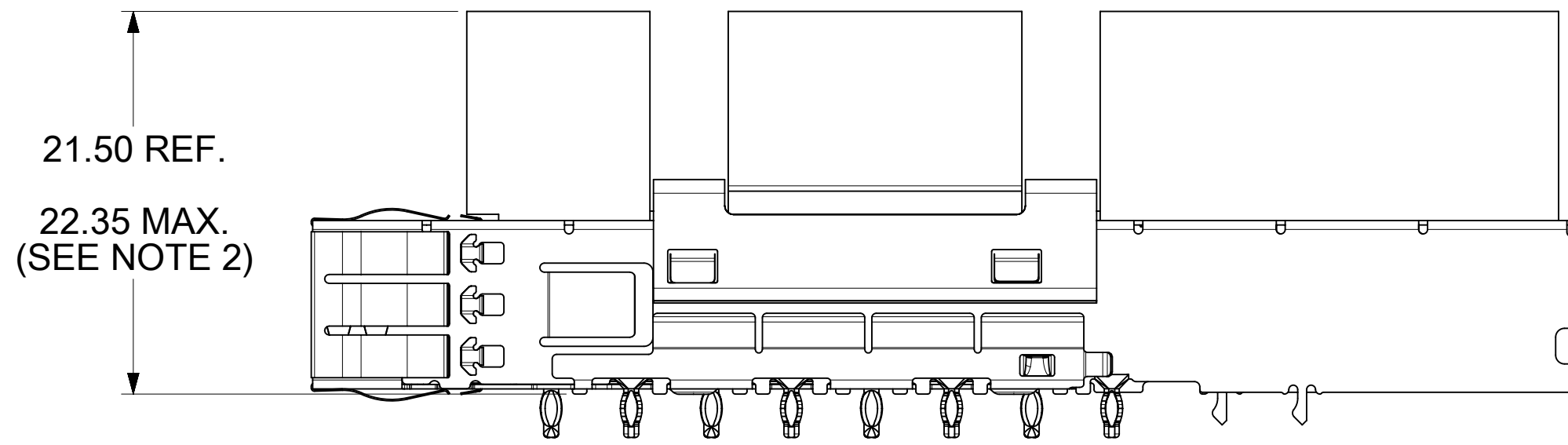
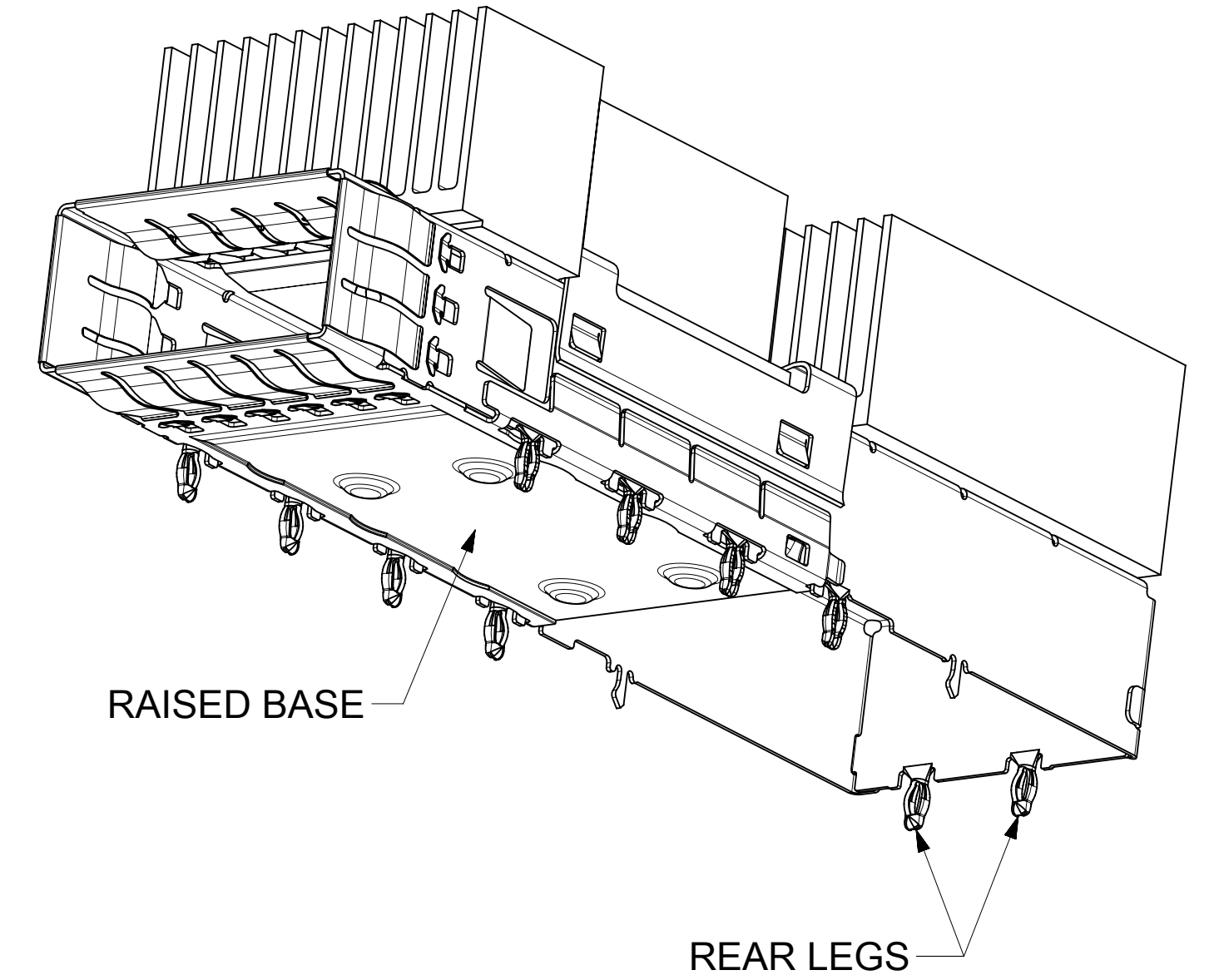
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE									
mm	3:1	 <p>QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS</p> <p>PRODUCT CUSTOMER DRAWING</p>									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL	± 2.0°										
4 PLACES	±										
3 PLACES	± 0.15										
2 PLACES	± 0.15										
1 PLACE	± 0.3	EC NO: 697632	DRWN: JYEN01		2022/03/01		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES	± 0.3	INITIAL REVISION:	DRWN: JYEN01		2020/05/06		2031431993		PSD	ASY	C
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SEE P/N TABLE				
			D-SIZE	203143	2 OF 7						

# CAGE DETAILS

2031432089



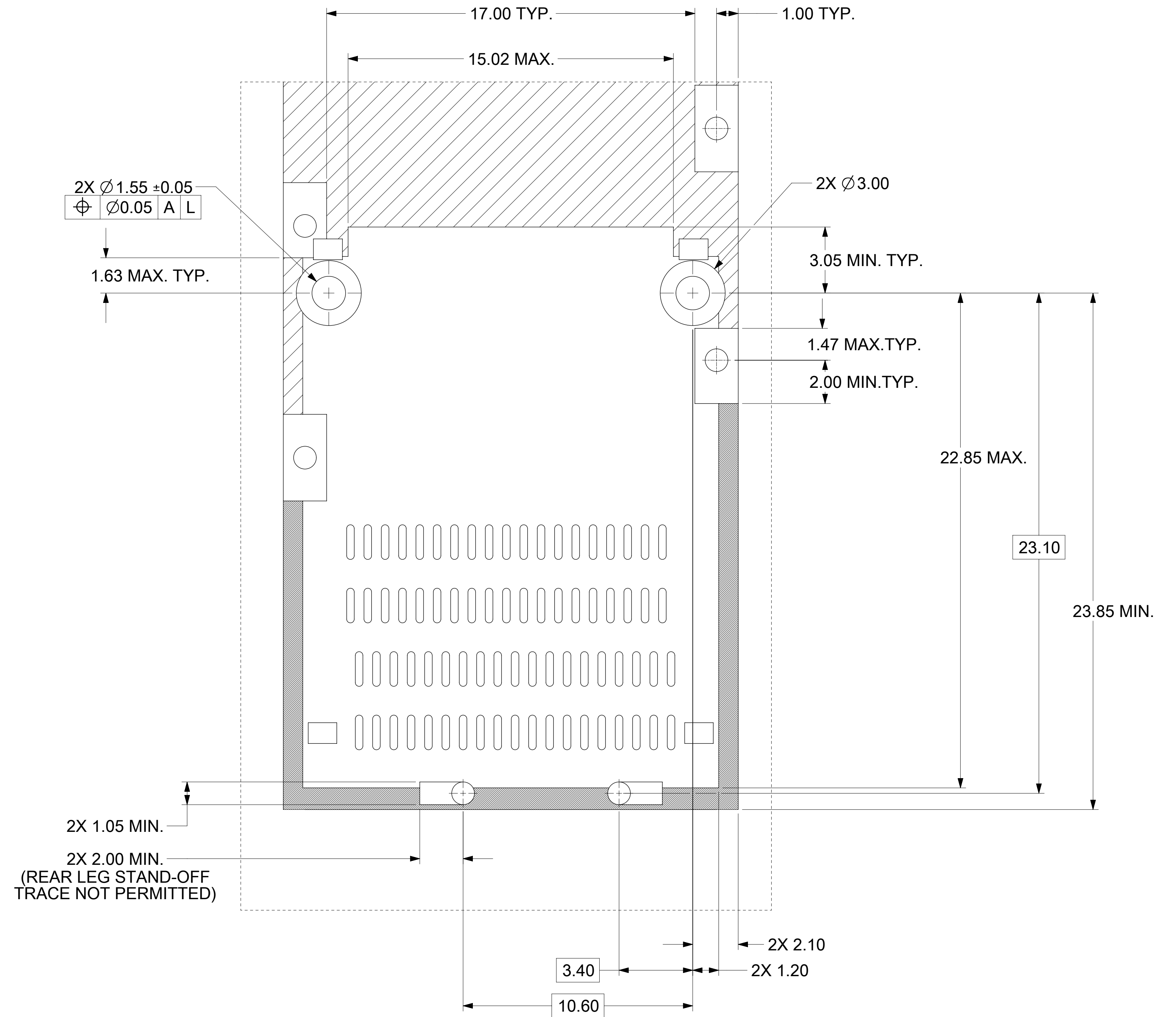
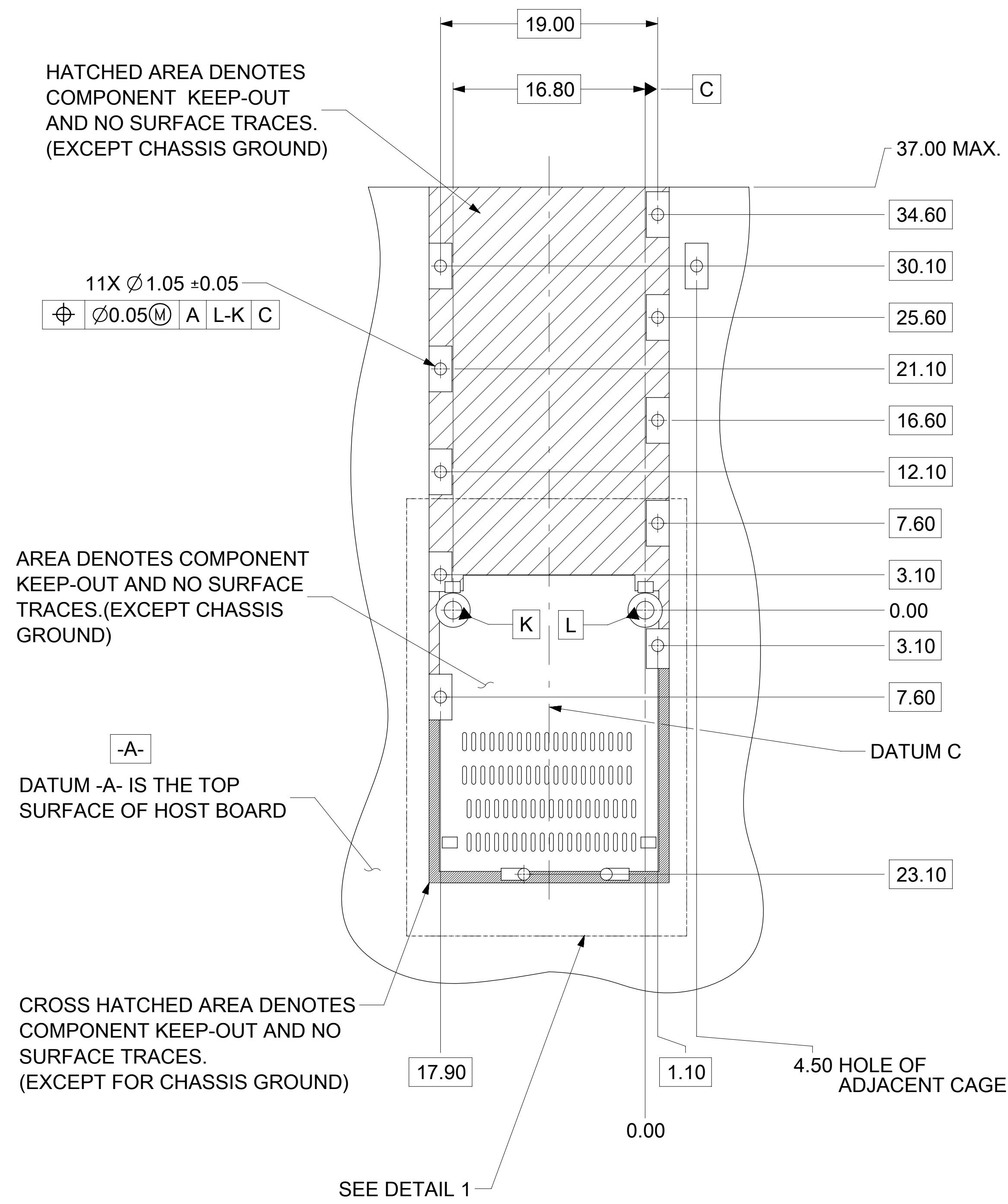
DIMENSIONS OF EACH INNER CAGE DESIGNED TO FUNCTION WITH QUAD SMALL FORM-FACTOR (zQSFP+ & QSFP-DD) TRANSCEIVER



- NOTES:
- REFER SHEET 1 FOR COMMON DIMENSIONS.
  - HEIGHT OF HEATSINK WITH MODULE INSERTED, DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

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	<div style="text-align: center;"><b>molex</b></div> <p>QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°								
4 PLACES	±								
3 PLACES	± 0.15								
2 PLACES	± 0.15	EC NO: 697632	2022/03/01	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	<div style="text-align: center;"><b>2031431993</b></div>	
1 PLACE	± 0.3	DRWN: JYEN01	2020/05/06	2031431993	PSD	ASY	C		
0 PLACES	± 0.3	CHK'D: THSU02	2022/03/01	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: SCHIEN	2022/03/09	SEE P/N TABLE			3 OF 7		
		INITIAL REVISION:							
		DRWN: JYEN01	2020/05/06						
		APPR: JCHIANG	2020/06/19						
		THIRD ANGLE PROJECTION		DRAWING	SERIES				
				D-SIZE	203143				

# PCB LAYOUT FOR SINGLE SIDED MOUNTING

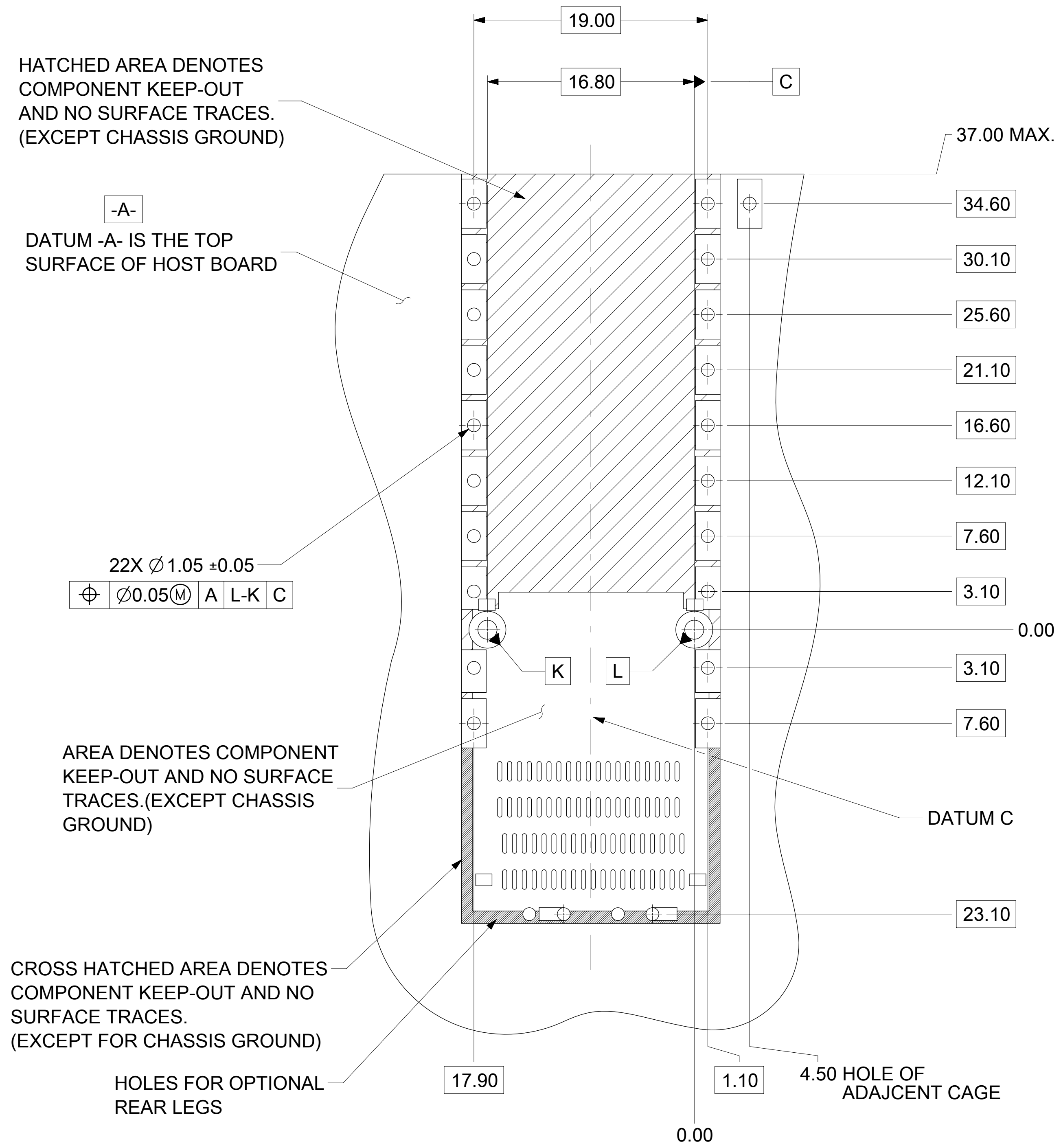


DETAIL 1  
SCALE 8:1

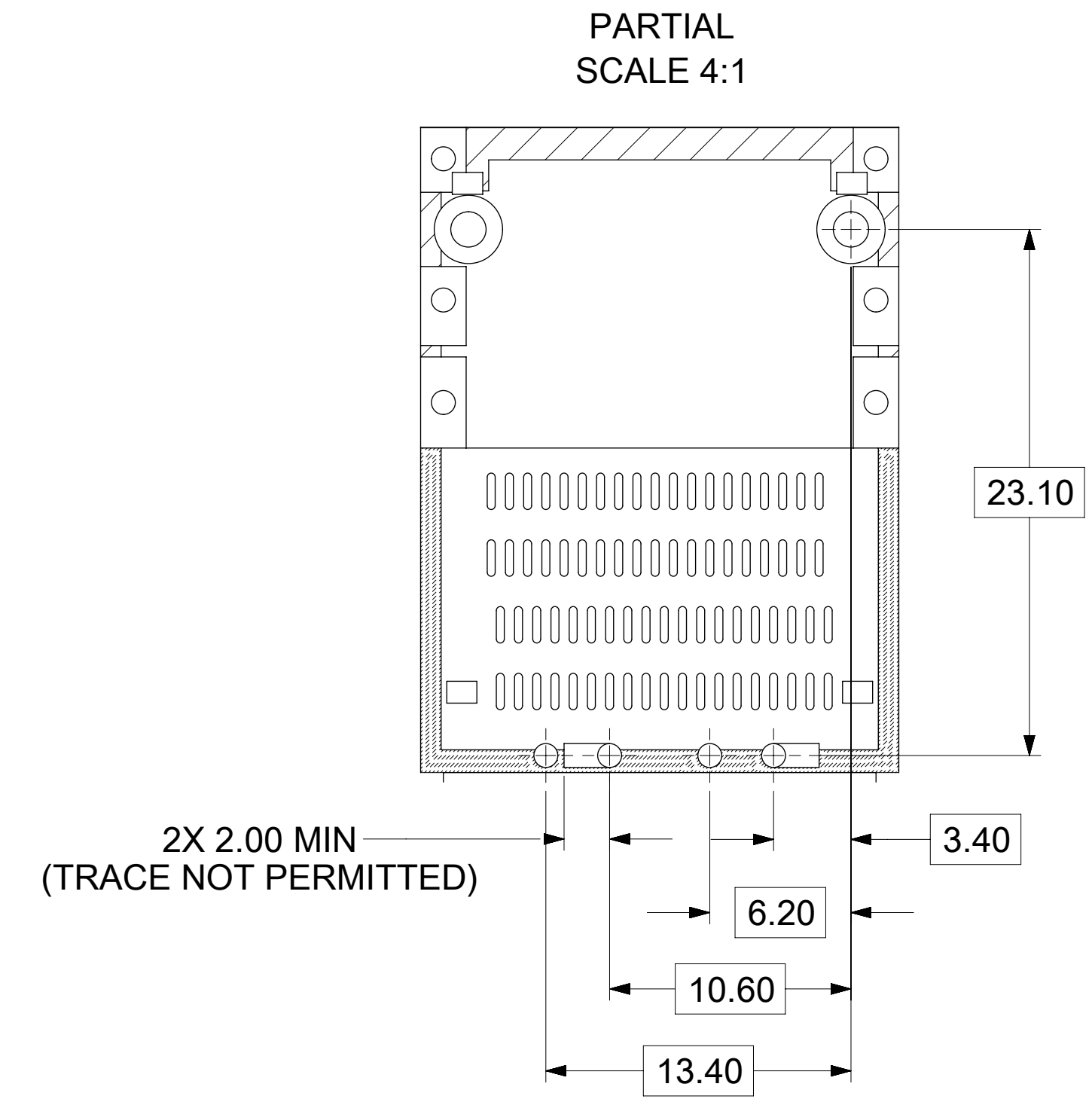
- NOTES:
- PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
  - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  - CONNECTOR PAD LAYOUT PER QSFP-DD MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 202718.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS <b>mm</b>		SCALE <b>3.5:1</b>		CURRENT REV DESC: SEE REVISION TABLE											
GENERAL TOLERANCES (UNLESS SPECIFIED)				<b>molex</b> QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS PRODUCT CUSTOMER DRAWING											
ANGULAR TOL		± 2.0°													
4 PLACES		±													
3 PLACES		± 0.15													
2 PLACES		± 0.15													
1 PLACE		± 0.3													
0 PLACES		± 0.3		EC NO: 697632 DRWN: JYEN01 CHK'D: THSU02 APPR: SCHIEN 2022/03/01 2022/03/01 2022/03/09				DOCUMENT NUMBER <b>2031431993</b> DOC TYPE PSD ASY C DOC PART REVISION							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE		203143		SEE P/N TABLE				4 OF 7			

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



NOTE:  
SEE SHEET 4 FOR  
HOST CONNECTOR DETAIL

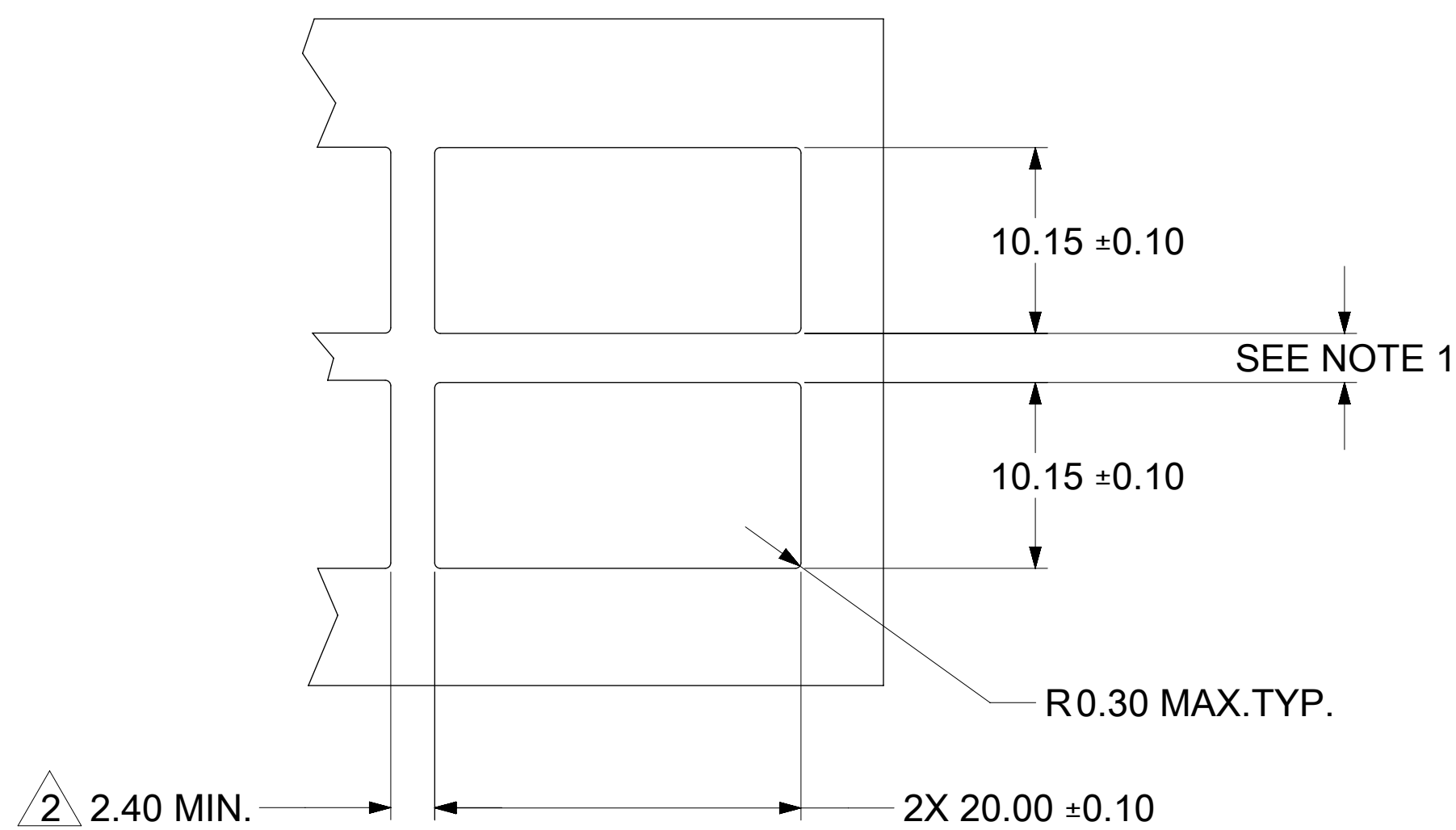
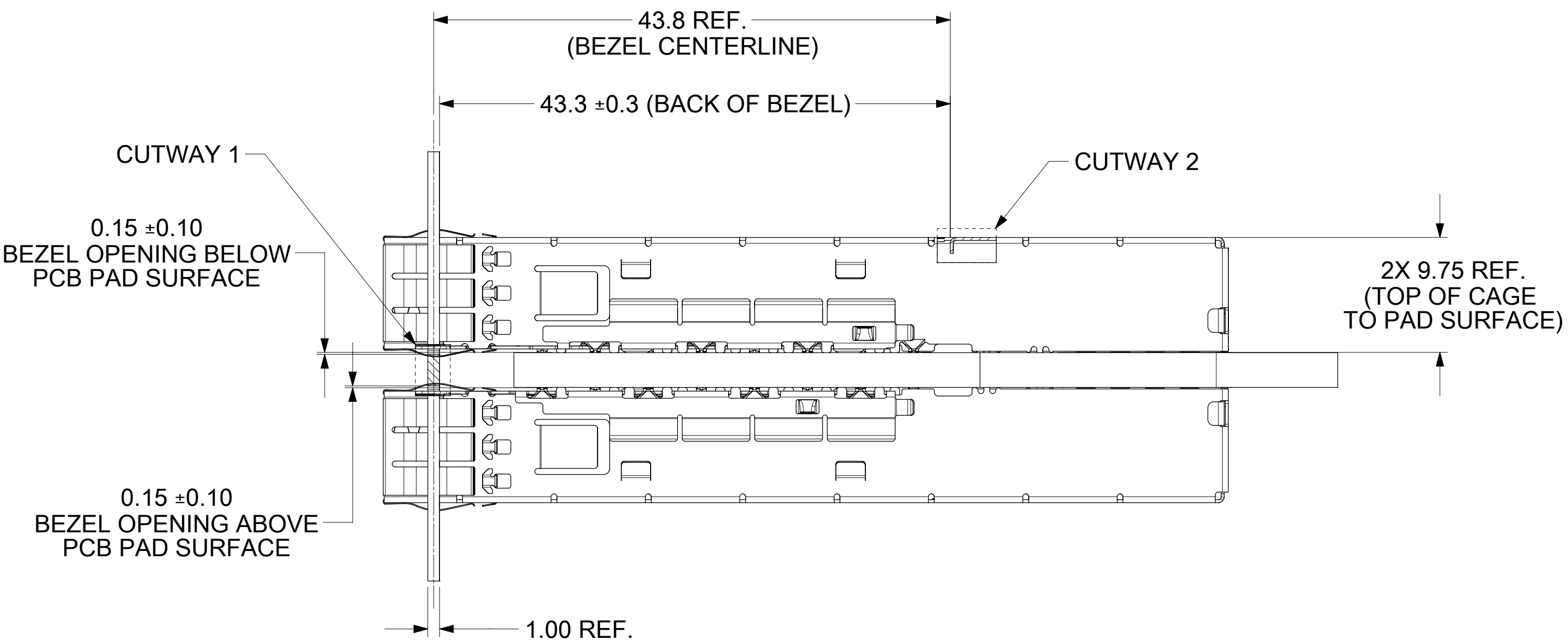


- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  3. CONNECTOR PAD LAYOUT PER QSFP-DD WILL ACCOMMODATE MOLEX CONNECTOR SERIES 202718.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS <b>mm</b>		SCALE <b>4:1</b>		CURRENT REV DESC: SEE REVISION TABLE				<b>molex</b>		QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS		
GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 697632						
ANGULAR TOL ± 2.0°		4 PLACES ±		DRWN: JYEN01		2022/03/01		PRODUCT CUSTOMER DRAWING				
3 PLACES ± 0.15		2 PLACES ± 0.15		CHK'D: THSU02		2022/03/01		DOCUMENT NUMBER				
1 PLACE ± 0.3		0 PLACES ± 0.3		APPR: SCHIEN		2022/03/09		2031431993		DOC TYPE	DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRWN: JYEN01		2020/05/06		PSD		ASY		C
D-DRAWING		SERIES		APPR: JCHIANG		2020/06/19		SEE P/N TABLE		CUSTOMER		SHEET NUMBER
D-D-SIZE		203143		MATERIAL NUMBER		CUSTOMER				5 OF 7		

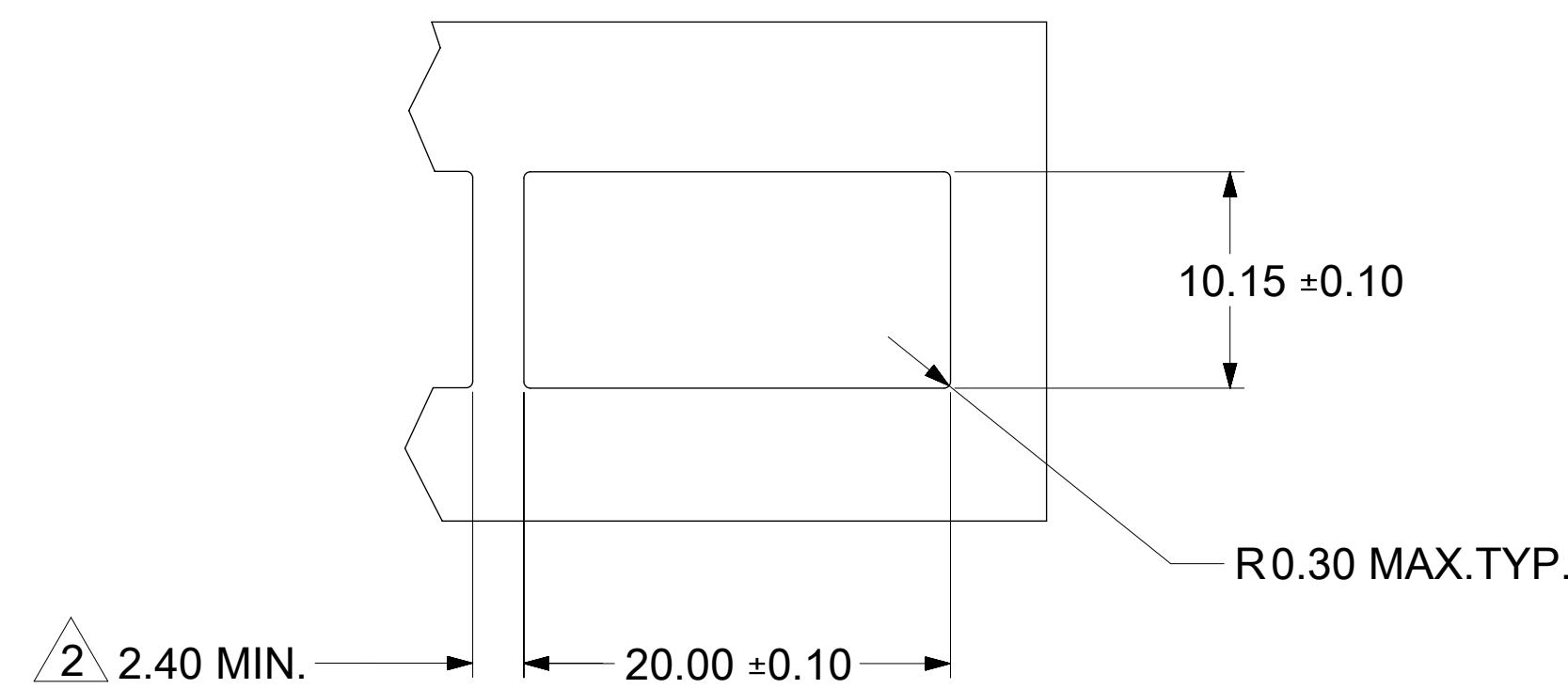
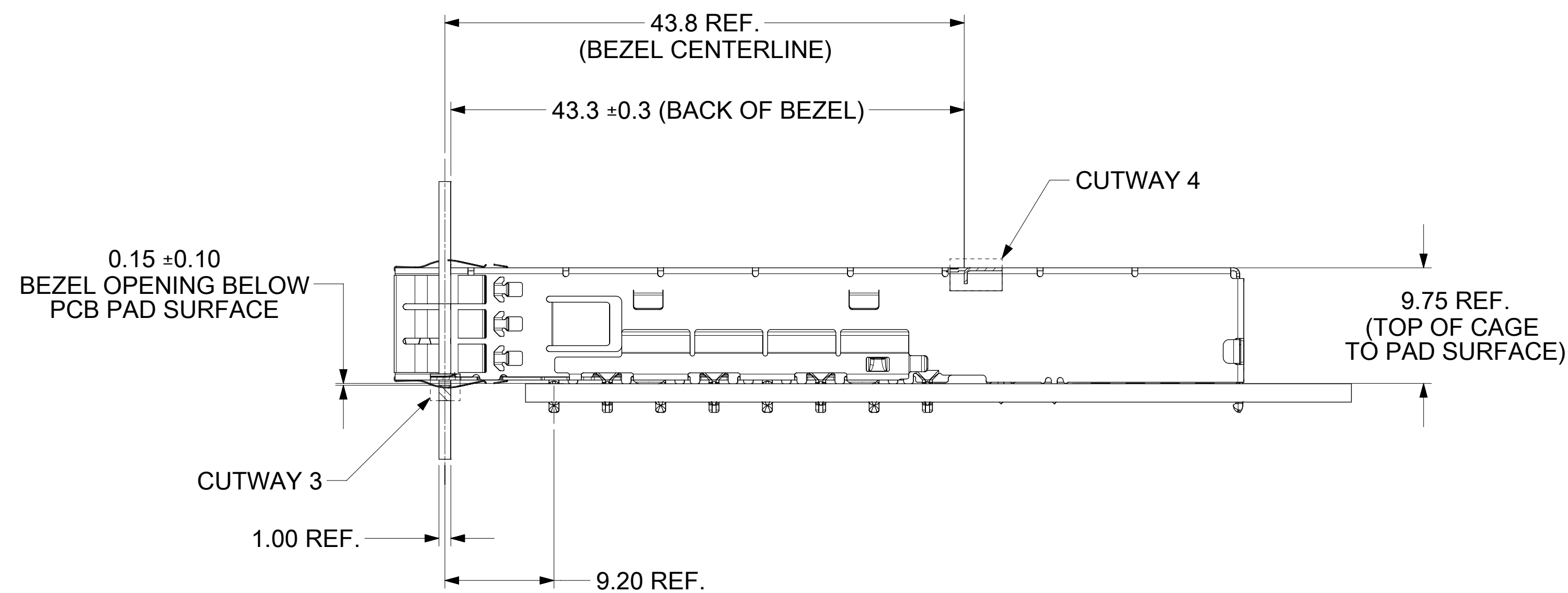


BEZEL AND BOARD POSITION DIMENSIONS  
FOR BELLY TO BELLY MOUNTING  
(HEATSINKS WERE HIDDEN FOR CLEAR VIEW)



- NOTES:  
 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.)

BEZEL AND BOARD POSITION DIMENSIONS  
FOR SINGLE SIDE MOUNTING  
(HEATSINK WAS HIDDEN FOR CLEAR VIEW)



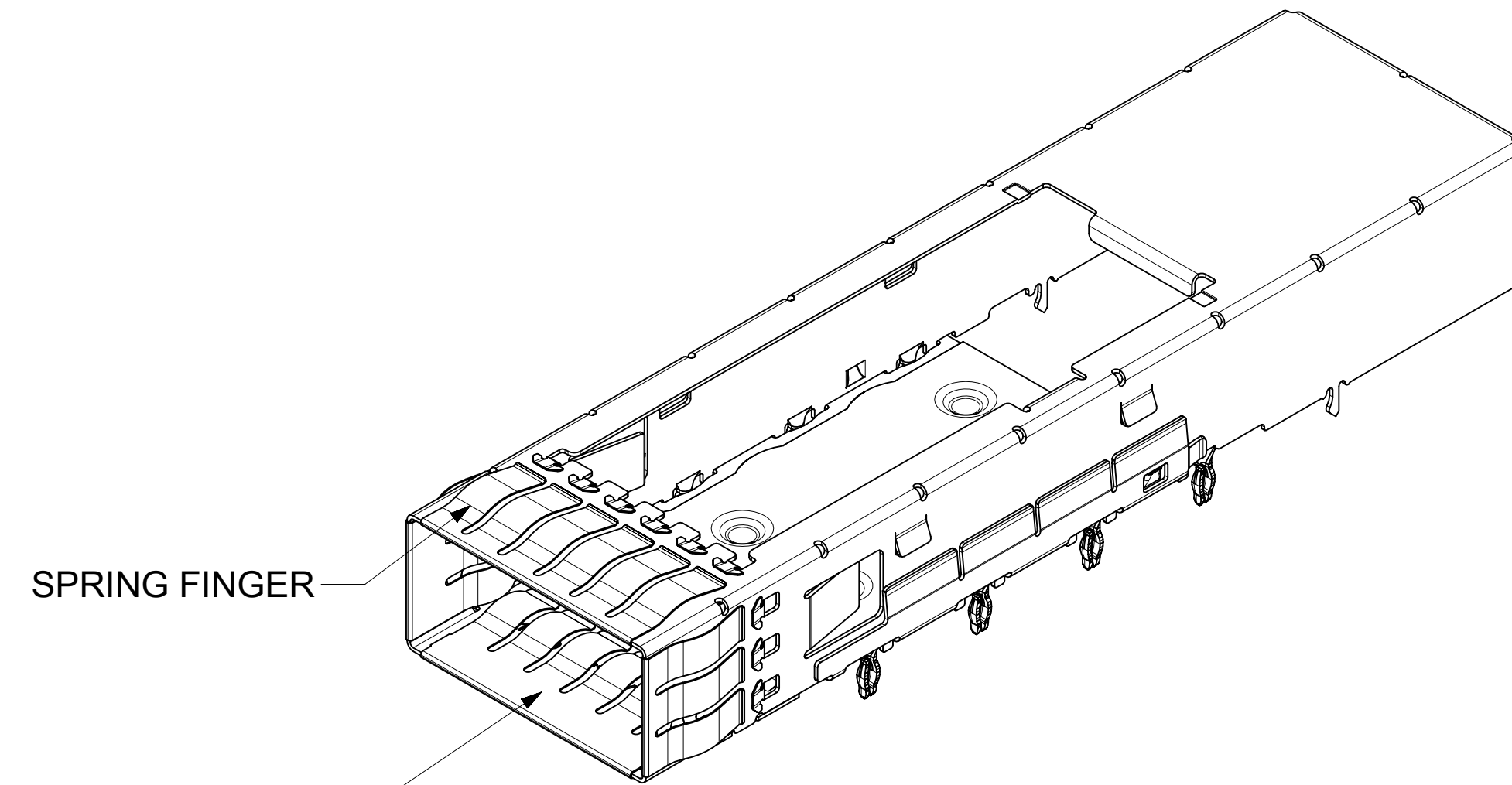
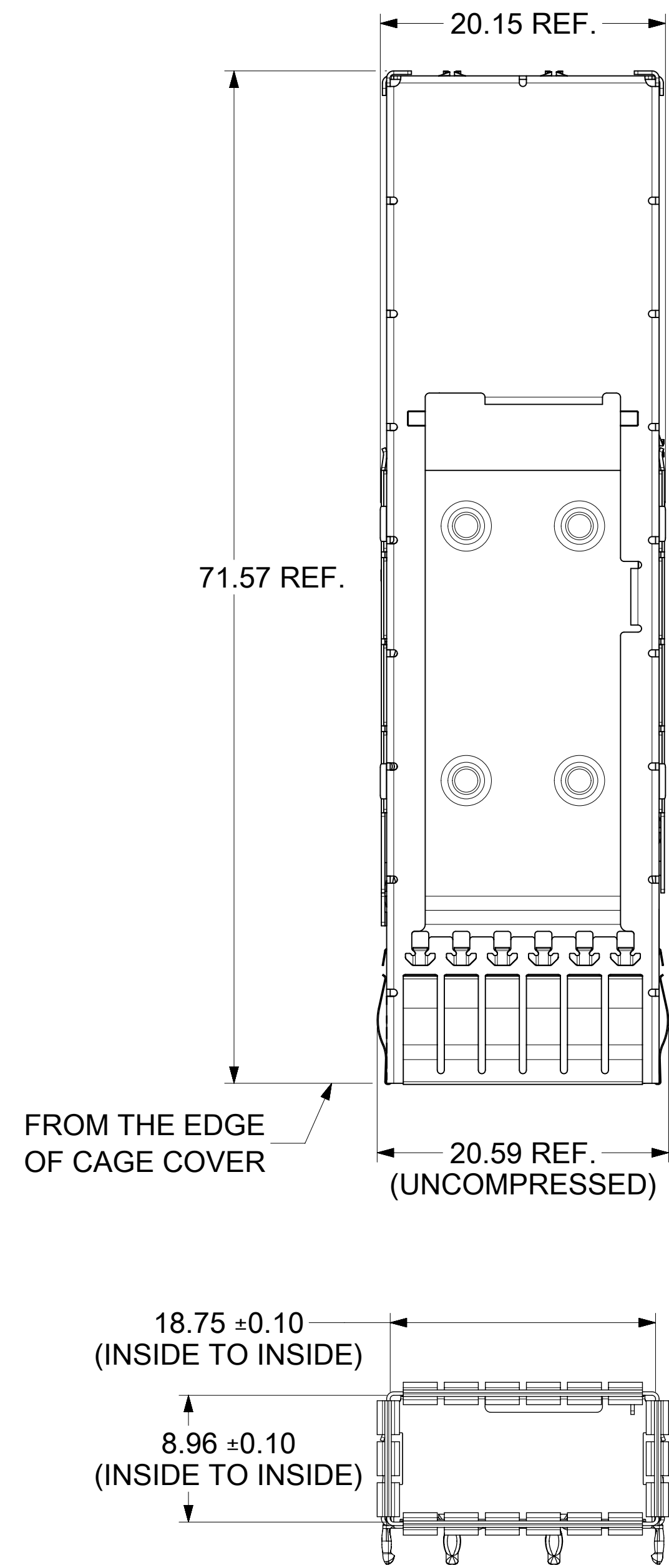
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE								
mm	3:1	<div style="text-align: center;"><b>molex</b></div> QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS PRODUCT CUSTOMER DRAWING								
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL	± 2.0°									
4 PLACES	±									
3 PLACES	± 0.15									
2 PLACES	± 0.15									
1 PLACE	± 0.3	EC NO: 697632	DRWN: JYEN01	2022/03/01	DOCUMENT NUMBER: <b>2031431993</b> DOC TYPE: PSD DOC PART: ASY REVISION: C					
0 PLACES	± 0.3	CHK'D: THSU02	2022/03/01	APPR: SCHIEN						2022/03/09
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION:		2020/05/06						
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		
D-SIZE		203143		SEE P/N TABLE		SHEET NUMBER: 6 OF 7				

REV	DATE	DESCRIPTION
A	2020/06/08	INITIAL RELEASE
A1	2021/07/07	SHEET 2 : ADDED A NEW PART NUMBER - 2031432067
A2	2021/11/12	SHEET 2 : C04 : ADDED 2031432089
B	2022/2/24	SHEET 3 : CHANGED CLIP, AND MODIFIED HEATSINK SHAPE TO ACCOMMODATE SINGLE PIECE CLIP
C	2022/3/1	SHEET 3 : REMOVED FIRST AND LAST FIN FROM MID SECTION OF HEATSINK.

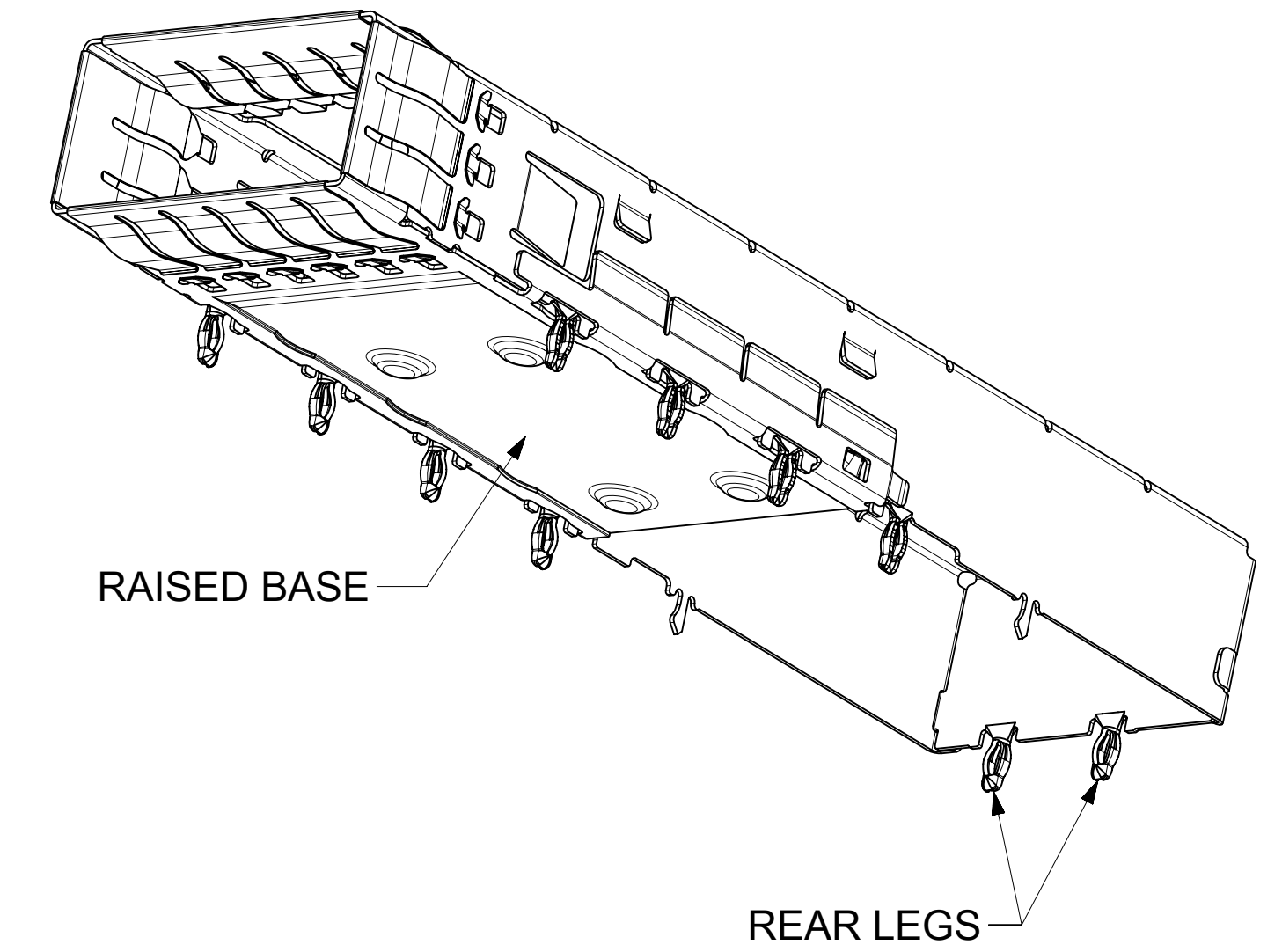
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE			<b>molex</b>					
mm	1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)					QSFP-DD 1X1 CAGE, OT, 2RL, W/O HOOKS					
ANGULAR TOL	± 2.0°	EC NO: 697632			PRODUCT CUSTOMER DRAWING					
4 PLACES	±	DRWN: JYEN01 2022/03/01			DOCUMENT NUMBER					
3 PLACES	± 0.15	CHK'D: THSU02 2022/03/01			2031431993			DOC TYPE	DOC PART	REVISION
2 PLACES	± 0.15	APPR: SCHIEN 2022/03/09			PSD			ASY	C	
1 PLACE	± 0.3	INITIAL REVISION:								
0 PLACES	± 0.3	DRWN: JYEN01 2020/05/06								
		APPR: JCHIANG 2020/06/19								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
		D-SIZE	203143	SEE P/N TABLE		7 OF 7				

# CAGE DETAILS

2031433256

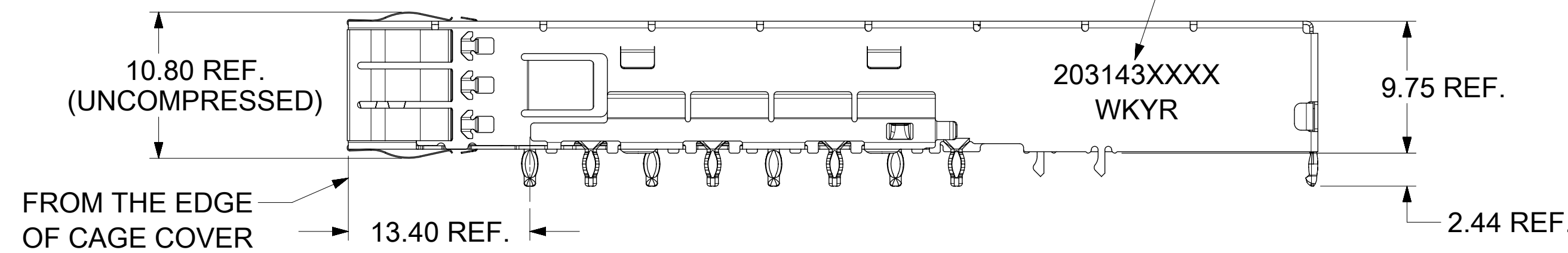


DIMENSIONS OF EACH INNER CAGE DESIGNED TO FUNCTION WITH QUAD SMALL FORM-FACTOR (zQSFP+ & QSFP-DD) TRANSCEIVER



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.

WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 OR 53 (EXAMPLE: 01= FIRST WEEK OF YEAR, 52 OR 53 = LAST WEEK OF YEAR)
YR	21, 22, 23 ETC.. (EXAMPLE: YEAR 2021= 21)



## NOTES:

- MATERIAL: CAGE : STAINLESS STEEL.  
SPRING FINGERS : STAINLESS STEEL.  
HEAT SINK: ALUMINUM(BLACK ANODIZATION)  
HEAT SINK CLIP: STAINLESS STEEL
- DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED BY USING APPROPRIATE GO - NO GO GAGE.
- DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS IS CORRECT.
- PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC ES-171233-0001 (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.

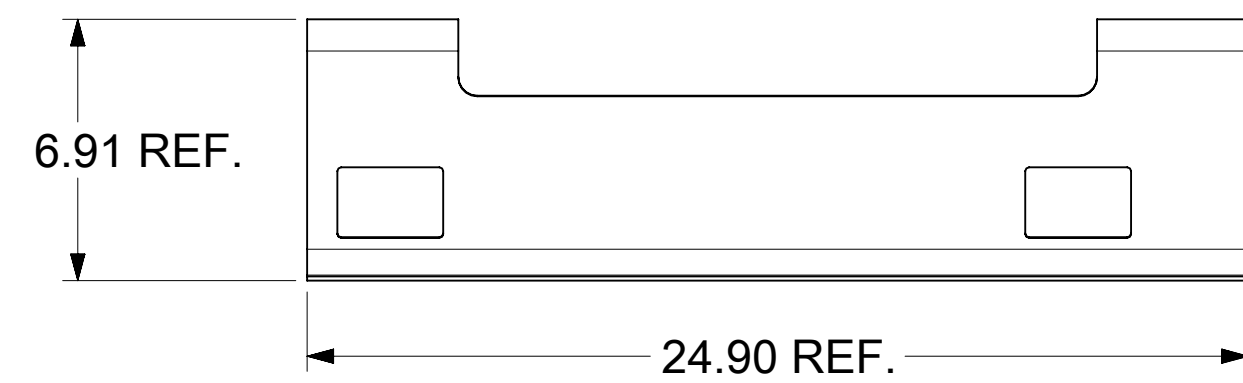
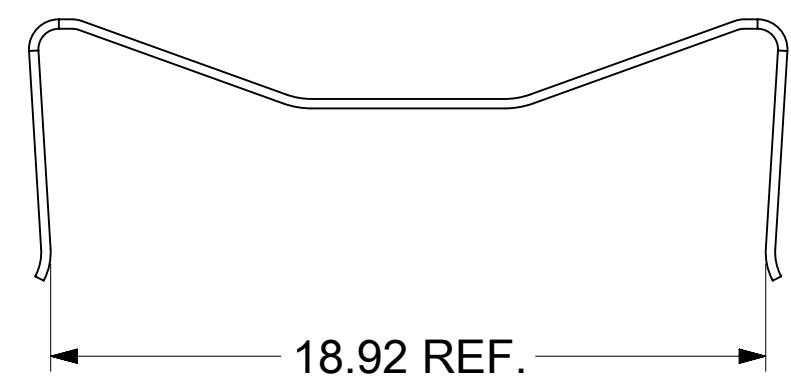
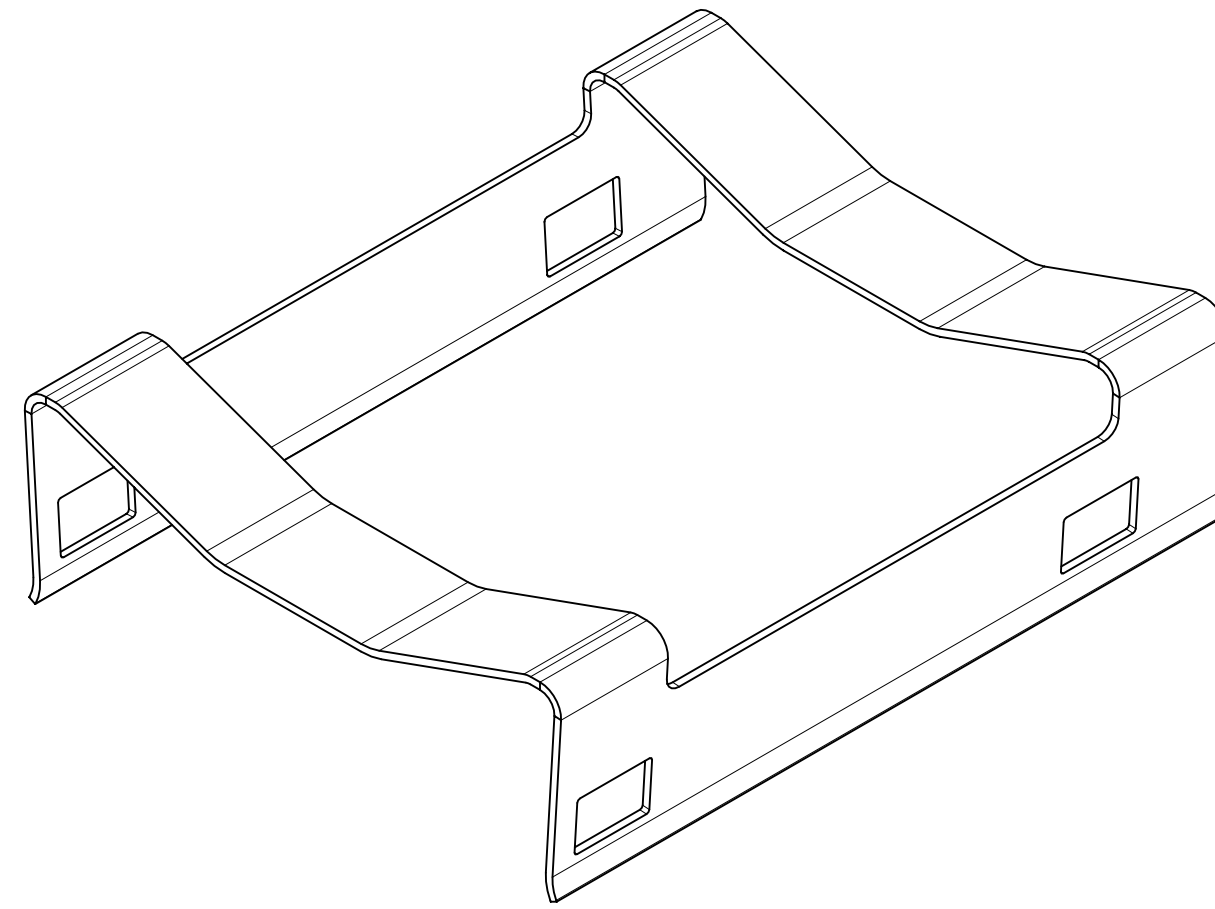
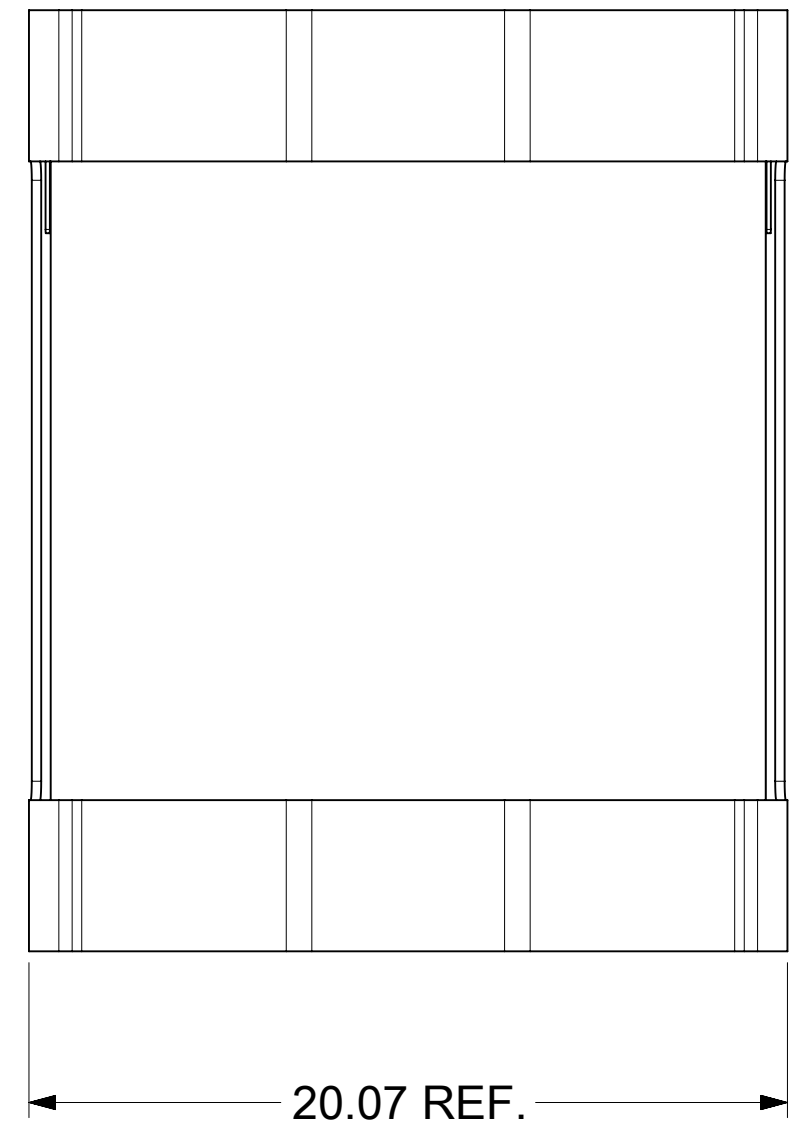
FINAL ASSEMBLY P/N	COMPONENT P/N	DESCRIPTION	QTY.	SHEET
2031432089	2031433256	QSFP-DD 1X1 CAGE ASSEMBLY WITH 2 REAR LEG	1	1
	2033730161	QSFP-DD HEATSINK CLIP	1	2
	2033732115	QSFP-DD HEATSINK	1	2

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, CLIP AND HEATSINK</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°								
4 PLACES	±								
3 PLACES	± 0.15								
2 PLACES	± 0.15	EC NO: 697632	2022/03/01						
1 PLACE	± 0.3	DRWN: JYEN01	2022/03/01						
0 PLACES	± 0.3	CHK'D: THSU02	2022/03/09						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: SCHIEN	2022/03/09	INITIAL REVISION:	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
THIRD ANGLE PROJECTION		DRWN: JYEN01	2021/12/01	2031432089	PSD	ASY	B		
D-DRAWING		APPR: SCHIEN	2022/02/24	203143	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
D-DRAWING		SERIES	203143	2031432089			1 OF 6		



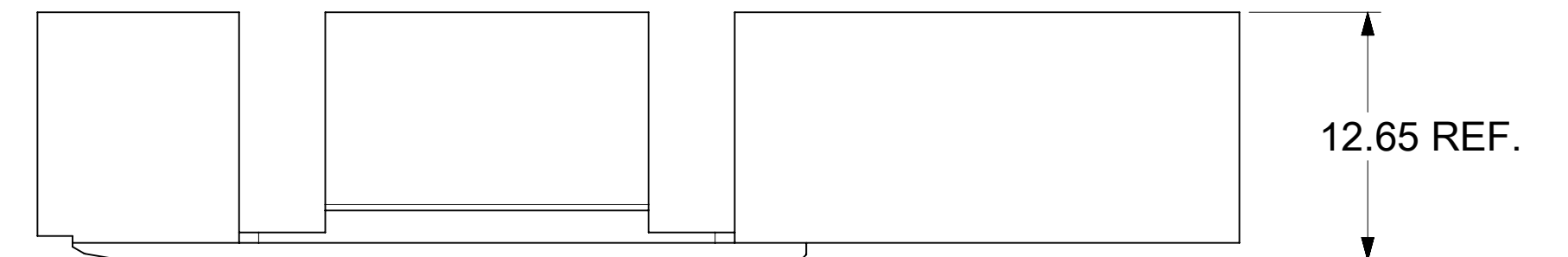
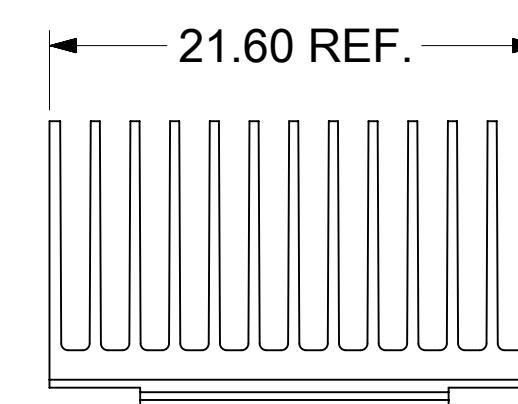
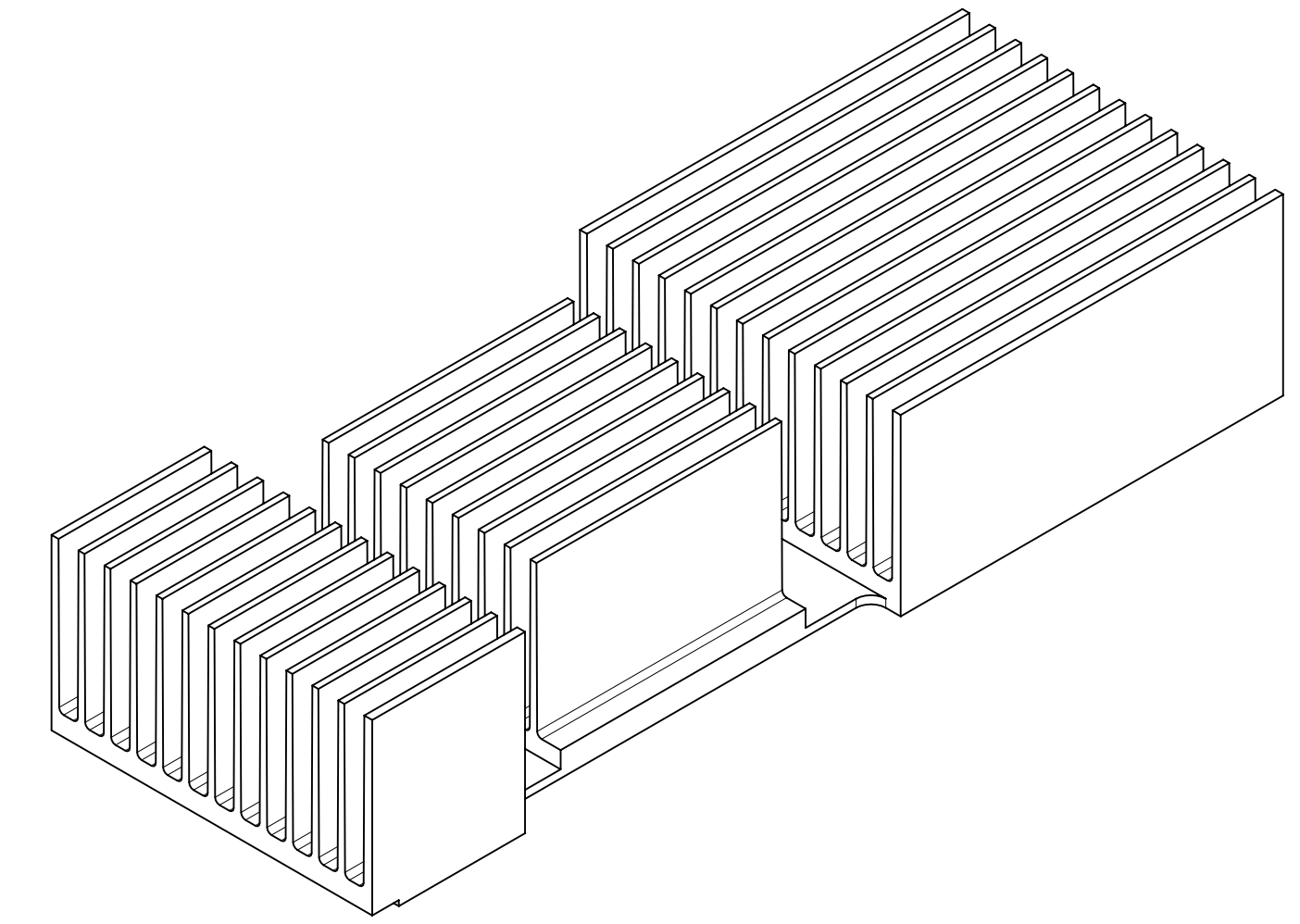
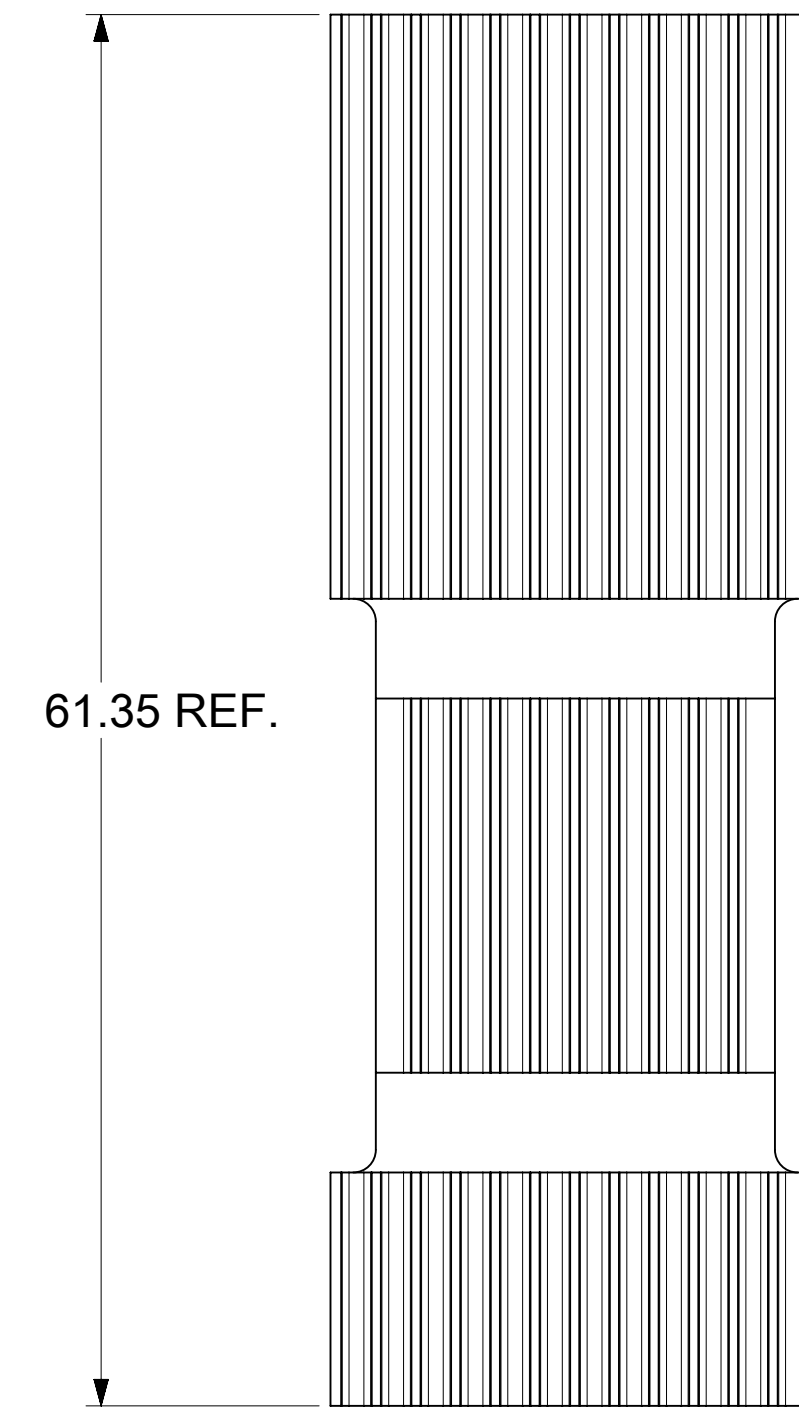
# CLIP DETAILS

2033730161



# HEATSINK DETAILS

2033732115



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

DIMENSION UNITS: mm  
SCALE: 5:1

CURRENT REV DESC: SEE REVISION TABLE

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 2.0°
4 PLACES	±
3 PLACES	± 0.15
2 PLACES	± 0.15
1 PLACE	± 0.3
0 PLACES	± 0.3

EC NO: 697632  
 DRWN: JYEN01 2022/03/01  
 CHK'D: THSU02 2022/03/01  
 APPR: SCHIEN 2022/03/09  
 INITIAL REVISION:  
 DRWN: JYEN01 2021/12/01  
 APPR: SCHIEN 2022/02/24

**molex**

QSFP-DD 1X1 CAGE, CLIP AND HEATSINK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2031432089	PSD	ASY	B

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

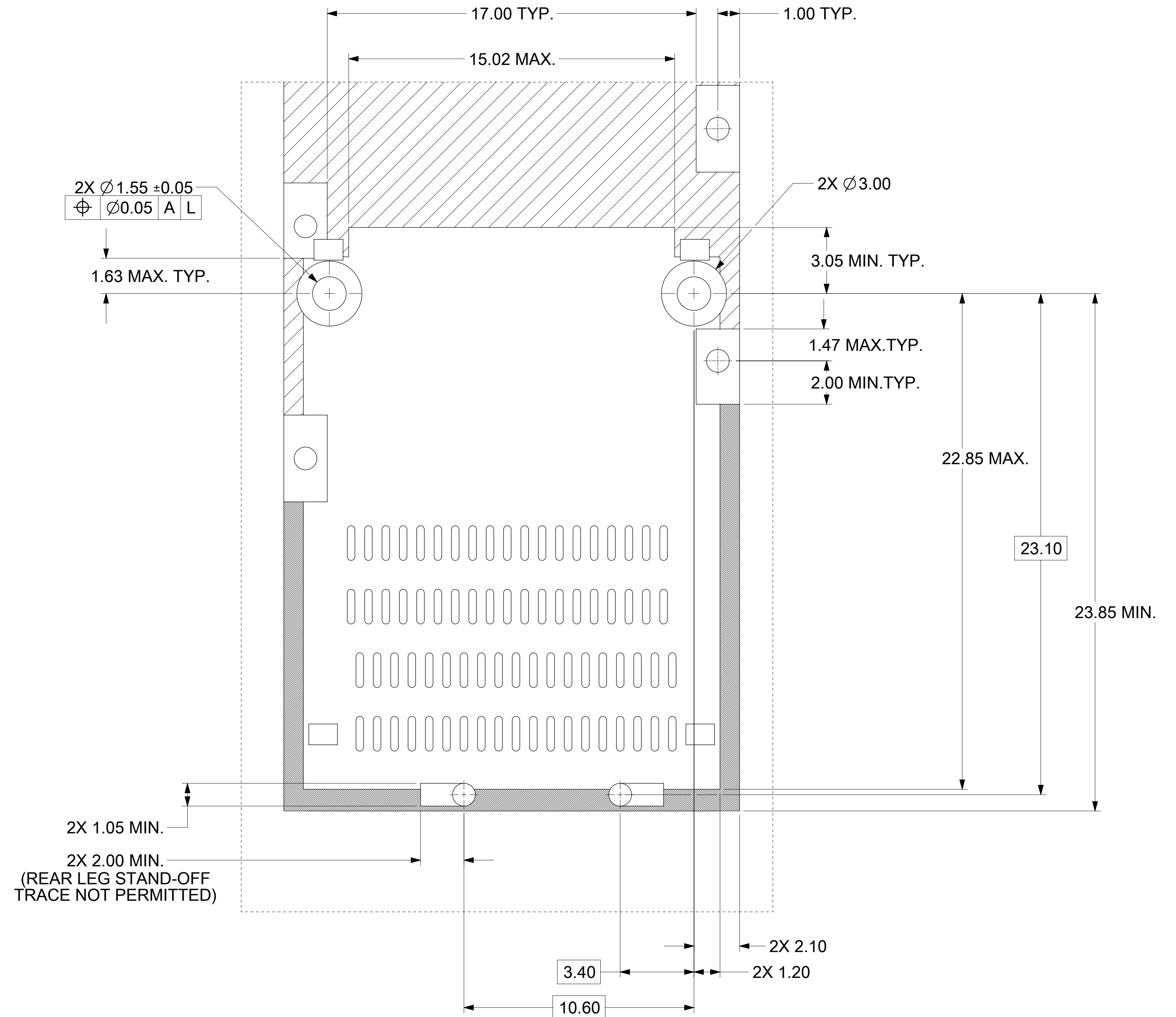
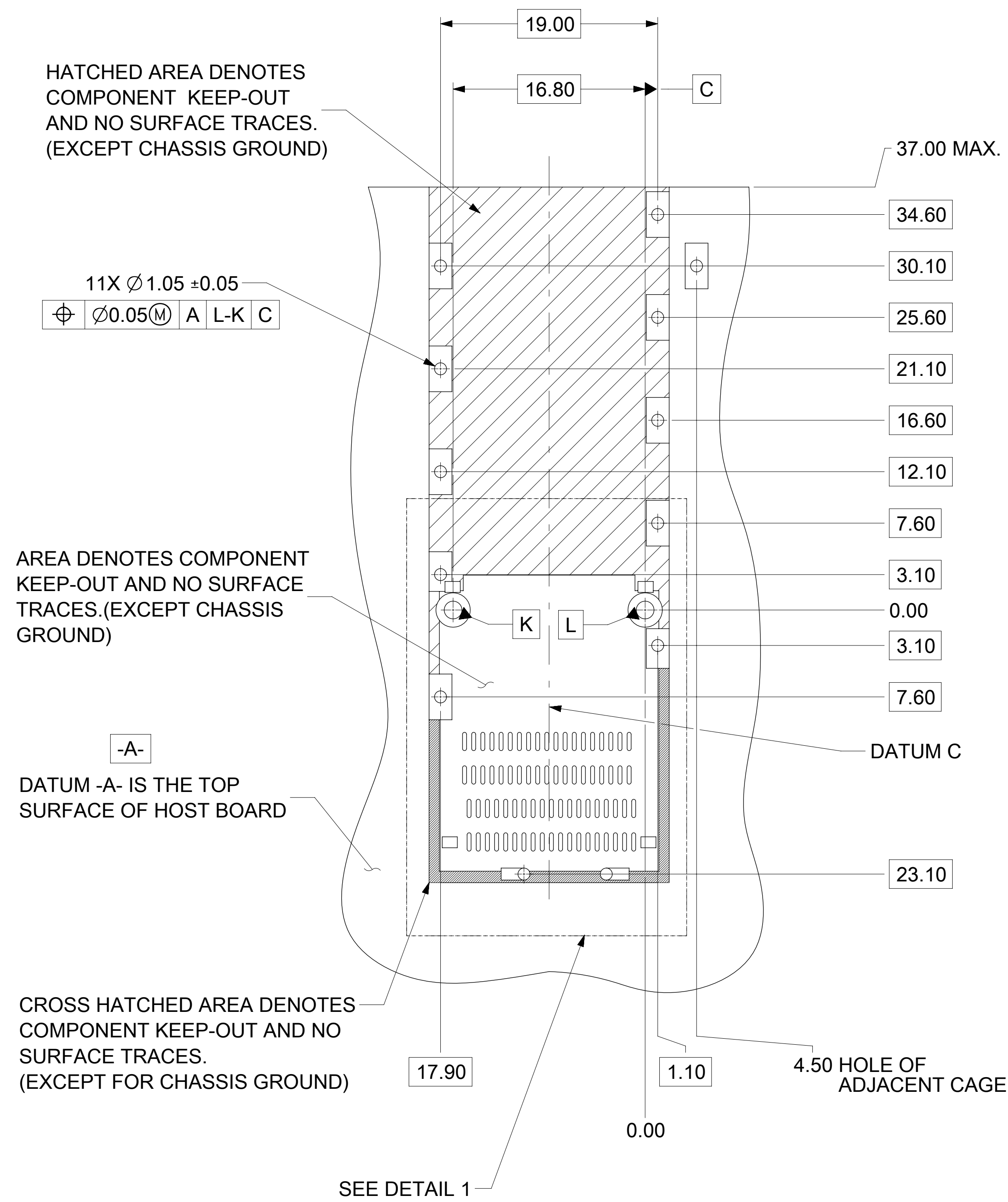
THIRD ANGLE PROJECTION

DRAWING SERIES: D-SIZE 203143

MATERIAL NUMBER: 2031432089

CUSTOMER SHEET NUMBER: 2 OF 6

# PCB LAYOUT FOR SINGLE SIDED MOUNTING

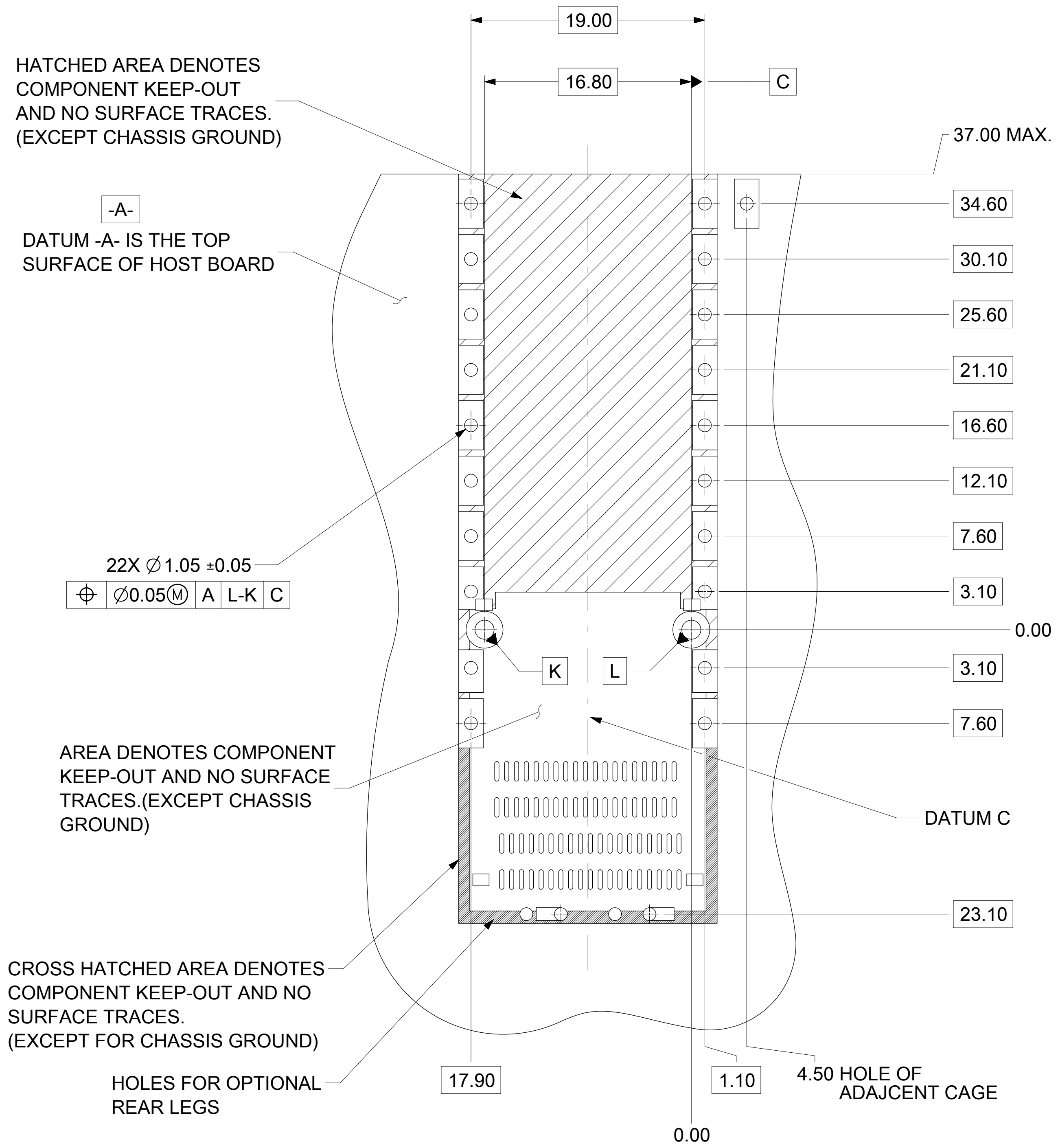


DETAIL 1  
SCALE 8:1

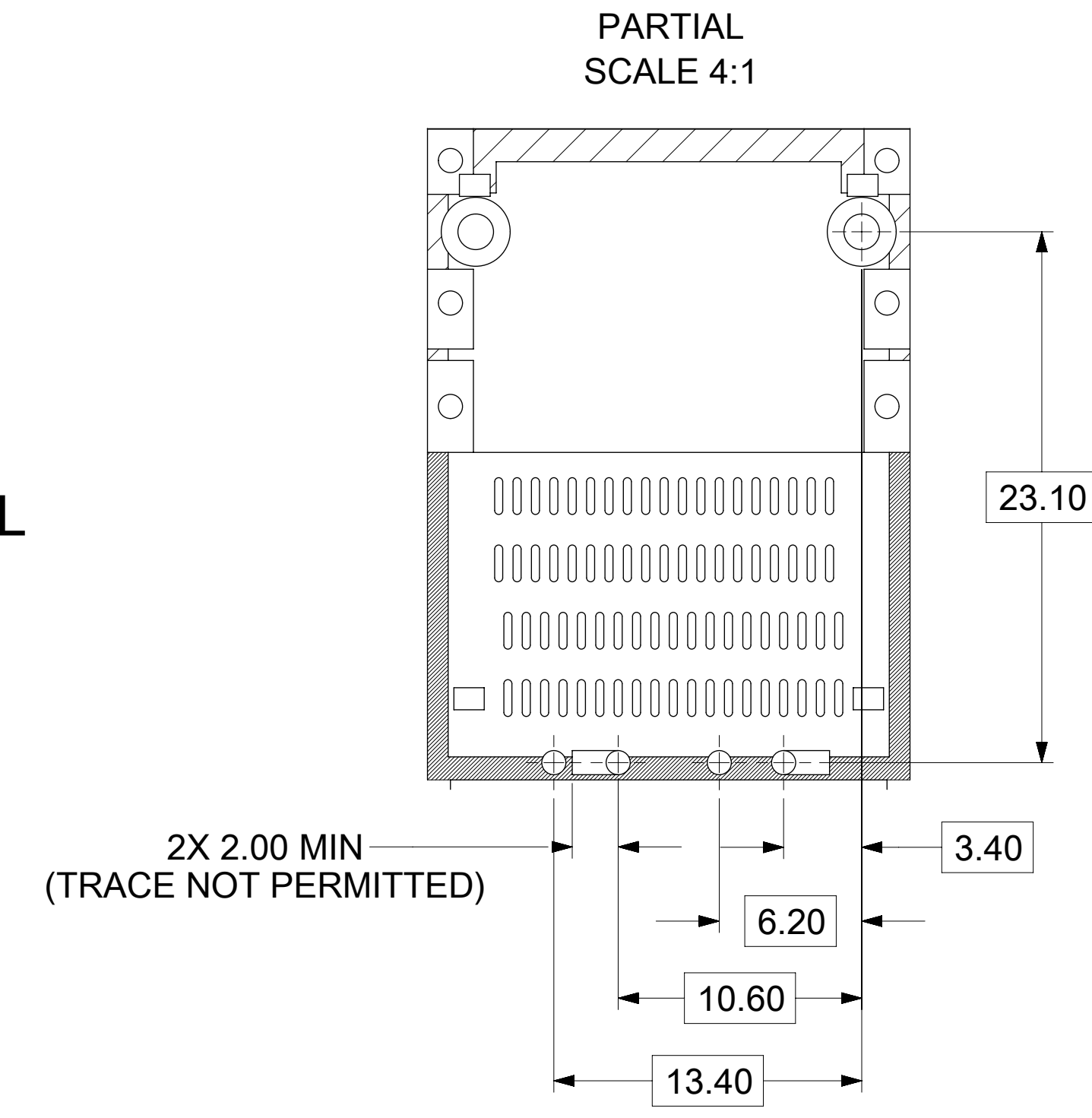
- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  3. CONNECTOR PAD LAYOUT PER QSFP-DD MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 202718.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS <b>mm</b>		SCALE <b>3.5:1</b>		CURRENT REV DESC: SEE REVISION TABLE							
GENERAL TOLERANCES (UNLESS SPECIFIED)				<p><b>molex</b></p> <p>QSFP-DD 1X1 CAGE, CLIP AND HEATSINK</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>2031432089</b>   DOC TYPE: PSD   DOC PART: ASY   REVISION: B</p> <p>MATERIAL NUMBER: 2031432089   CUSTOMER:   SHEET NUMBER: 3 OF 6</p>							
ANGULAR TOL $\pm 2.0^\circ$											
4 PLACES $\pm$		EC NO: 697632									
3 PLACES $\pm 0.15$		DRWN: JYEN01 2022/03/01									
2 PLACES $\pm 0.15$		CHK'D: THSU02 2022/03/01									
1 PLACE $\pm 0.3$		APPR: SCHIEN 2022/03/09									
0 PLACES $\pm 0.3$		INITIAL REVISION:									
1 PLACE $\pm 0.3$		DRWN: JYEN01 2021/12/01									
0 PLACES $\pm 0.3$		APPR: SCHIEN 2022/02/24									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				D-SIZE		203143		2031432089		CUSTOMER	

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



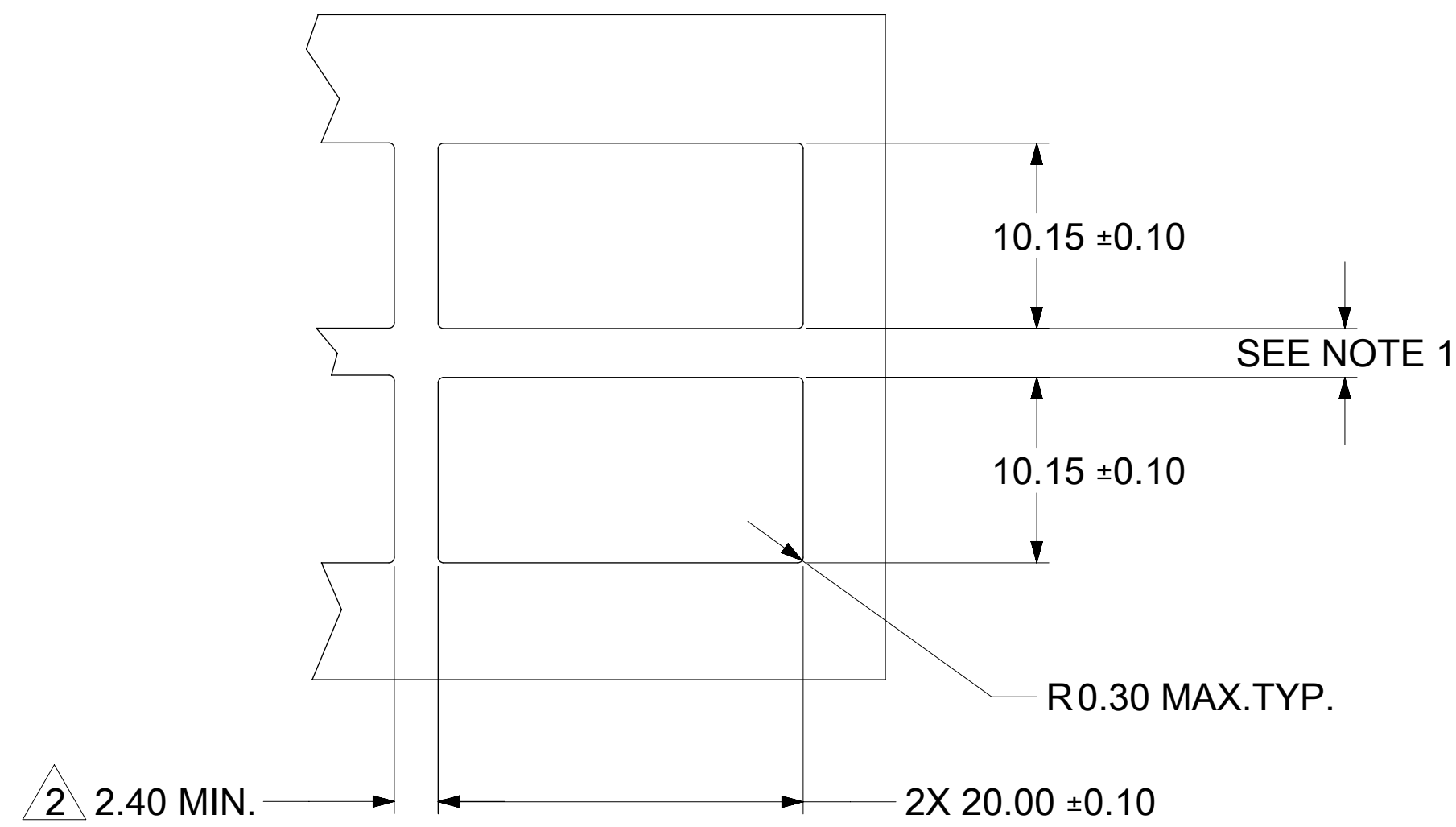
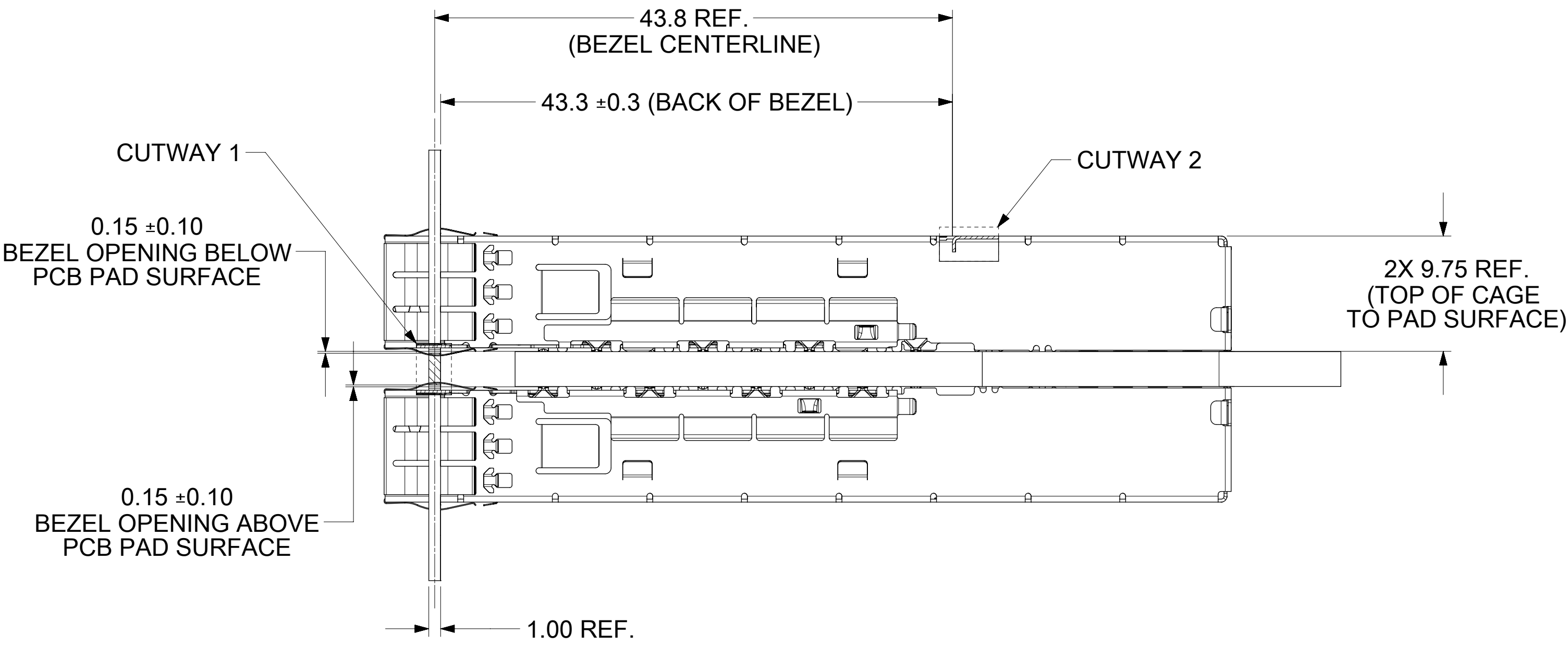
NOTE:  
SEE SHEET 3 FOR  
HOST CONNECTOR DETAIL



- 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.

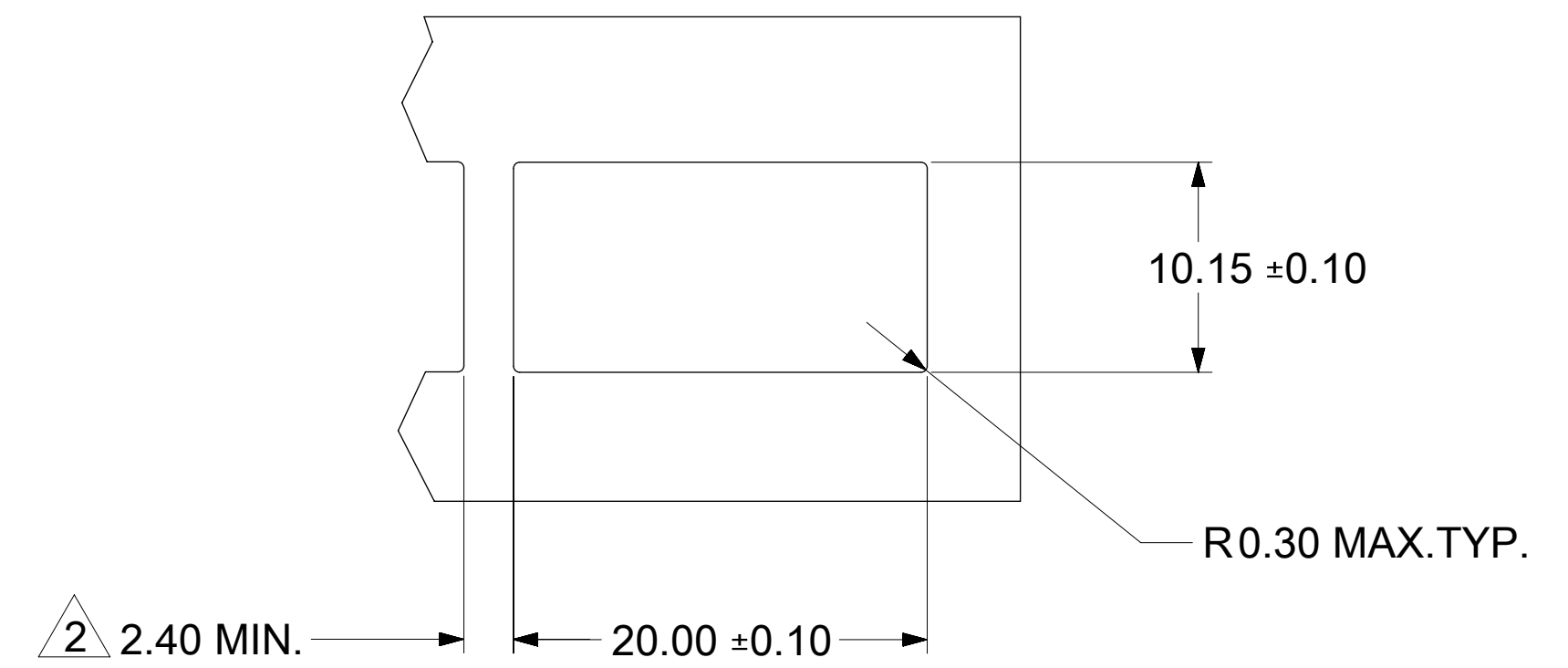
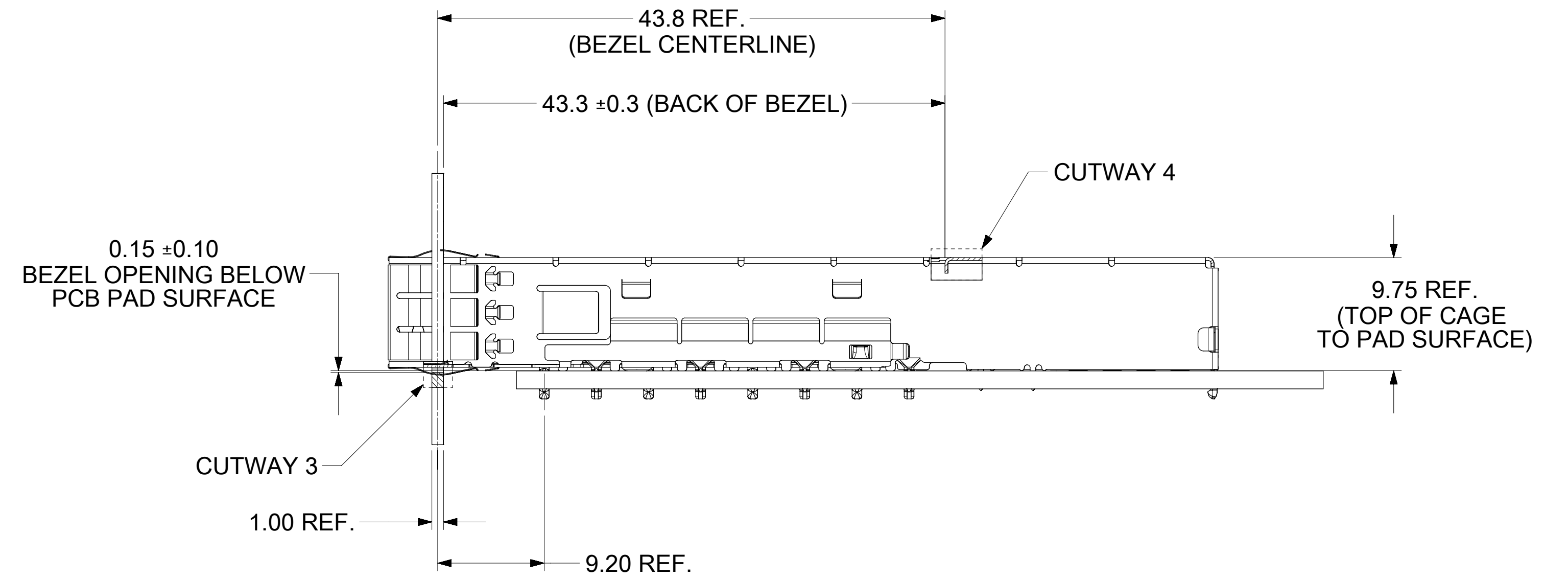
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS <b>mm</b>		SCALE <b>4:1</b>		CURRENT REV DESC: SEE REVISION TABLE				<b>molex</b>		QSFP-DD 1X1 CAGE, CLIP AND HEATSINK	
GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 697632					
ANGULAR TOL ± 2.0°		4 PLACES ±		DRWN: JYEN01		2022/03/01		PRODUCT CUSTOMER DRAWING			
3 PLACES ± 0.15		2 PLACES ± 0.15		CHK'D: THSU02		2022/03/01					
1 PLACE ± 0.3		0 PLACES ± 0.3		APPR: SCHIEN		2022/03/09		DOCUMENT NUMBER <b>2031432089</b>			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		INITIAL REVISION: DRWN: JYEN01		2021/12/01					DOC TYPE PSD
D-DRAWING		S-SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
D-SIZE		203143		2031432089				4 OF 6			

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



NOTES:  
 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.)

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



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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	3:1	<div style="text-align: center;"><b>molex</b></div> QSFP-DD 1X1 CAGE, CLIP AND HEATSINK PRODUCT CUSTOMER DRAWING							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 2.0°								
4 PLACES	±								
3 PLACES	± 0.15								
2 PLACES	± 0.15	EC NO: 697632	2022/03/01		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
1 PLACE	± 0.3	DRWN: JYEN01	2021/12/01		2031432089		PSD	ASY	B
0 PLACES	± 0.3	CHK'D: THSU02	2022/03/01		2031432089				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: SCHIEN	2022/03/09		2031432089		CUSTOMER	SHEET NUMBER	
		THIRD ANGLE PROJECTION	DRAWING	SERIES	2031432089				5 OF 6
			D-SIZE	203143					

REV	DATE	DESCRIPTION
A	2022/2/24	INITIAL RELEASE
B	2022/3/1	SHEET 2 : H6 : REMOVED FIRST AND LAST FIN FROM MID SECTION OF HEATSINK.

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DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				<b>molex</b>							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 697632 DRWN: JYEN01 2022/03/01 CHK'D: THSU02 2022/03/01 APPR: SCHIEN 2022/03/09 INITIAL REVISION: DRWN: JYEN01 2021/12/01 APPR: SCHIEN 2022/02/24				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
ANGULAR TOL ± 2.0°								2031432089		PSD	ASY	B			
4 PLACES ±								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D-SIZE SERIES 203143		MATERIAL NUMBER CUSTOMER 2031432089		SHEET NUMBER 6 OF 6	
3 PLACES ± 0.15															
2 PLACES ± 0.15															
1 PLACE ± 0.3															
0 PLACES ± 0.3				THIRD ANGLE PROJECTION		DRAWING		CUSTOMER		SHEET NUMBER					

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/09 11:36:47
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