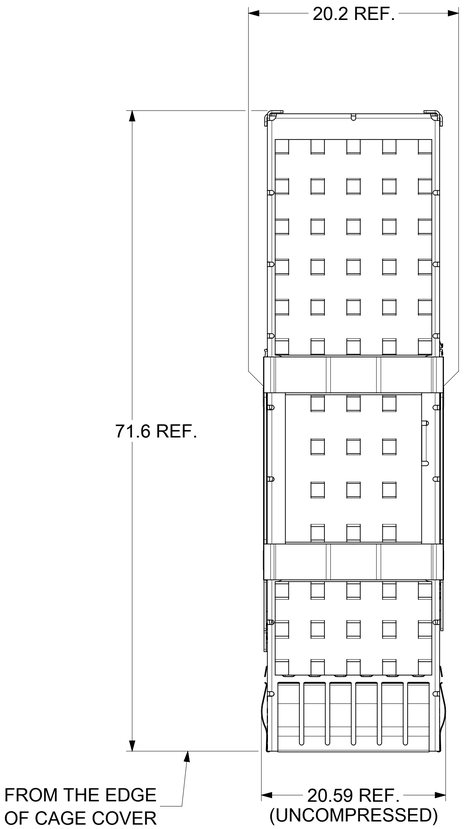
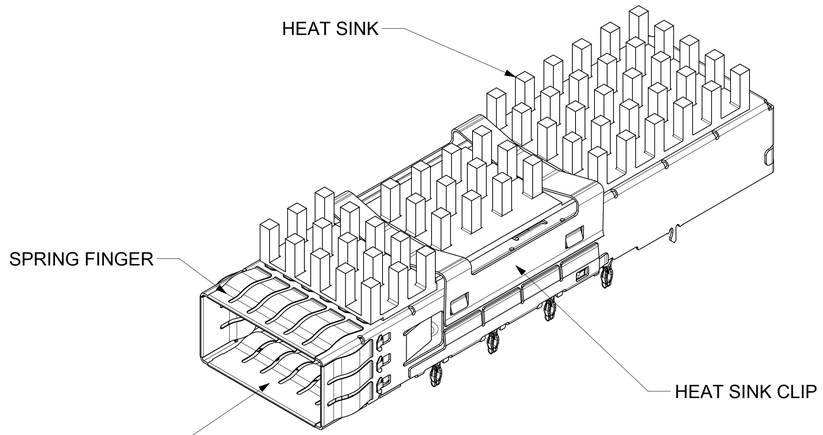
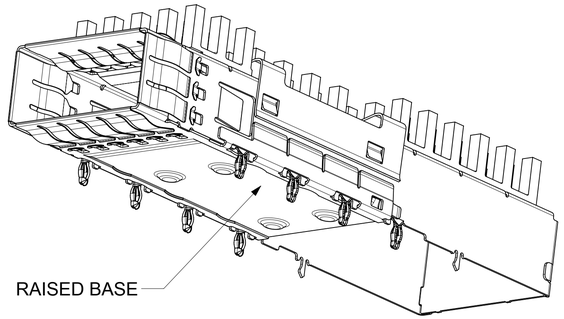
CAGE DETAIL

2031432079 AS SHOWN



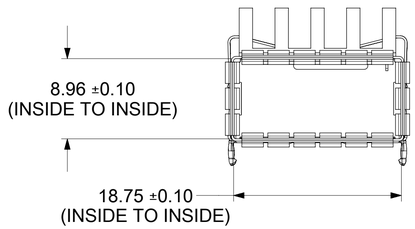


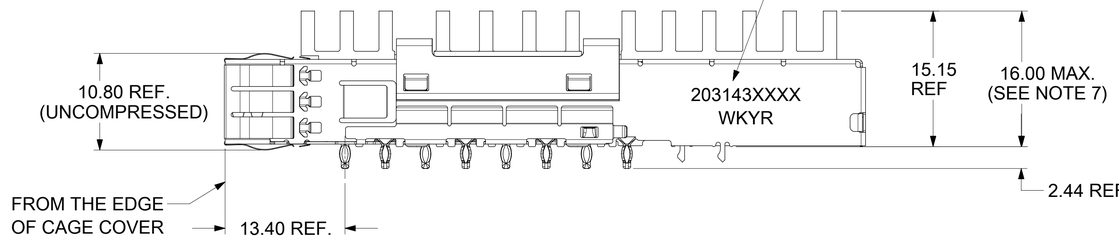
DIMENSIONS OF EACH INNER CAGE DESIGNED
TO FUNCTION WITH QUAD SMALL
FORM-FACTOR (zQSFP+ & QSFP-DD) TRANSCEIVER

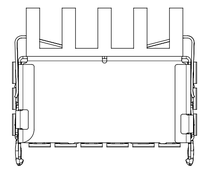


P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON
SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

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	20, 21, 22 ETC.. (EXAMPLE: YEAR 2020= 20)







NOTES:
1. MATERIAL: CAGE : STAINLESS STEEL.
   SPRING FINGERS : STAINLESS STEEL.
   HEAT SINK : ALUMINUM(NICKEL PLATED).
   HEAT SINK CLIP : STAINLESS STEEL.
2. DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED BY USING APPROPRIATE GO - NO GO GAGE.
3. DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS IS CORRECT.
4. PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC ES-171233-0001.
5. 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.
6. NO RoHS EXEMPTIONS.
7. HEIGHT OF HEAT SINK WITH MODULE INSERTED,
   DIMENSION MAY BE LESS DUE TO MODULE.

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/23 04:57:47

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	0.13
2 PLACES	±	0.15
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 667648
DRWN: SCHIEN 2021/05/28
CHK'D: THSU02 2021/06/22
APPR: JCHIANG 2021/06/23

INITIAL REVISION:
DRWN: SCHIEN 2021/05/28
APPR: JCHIANG 2021/06/23

molex

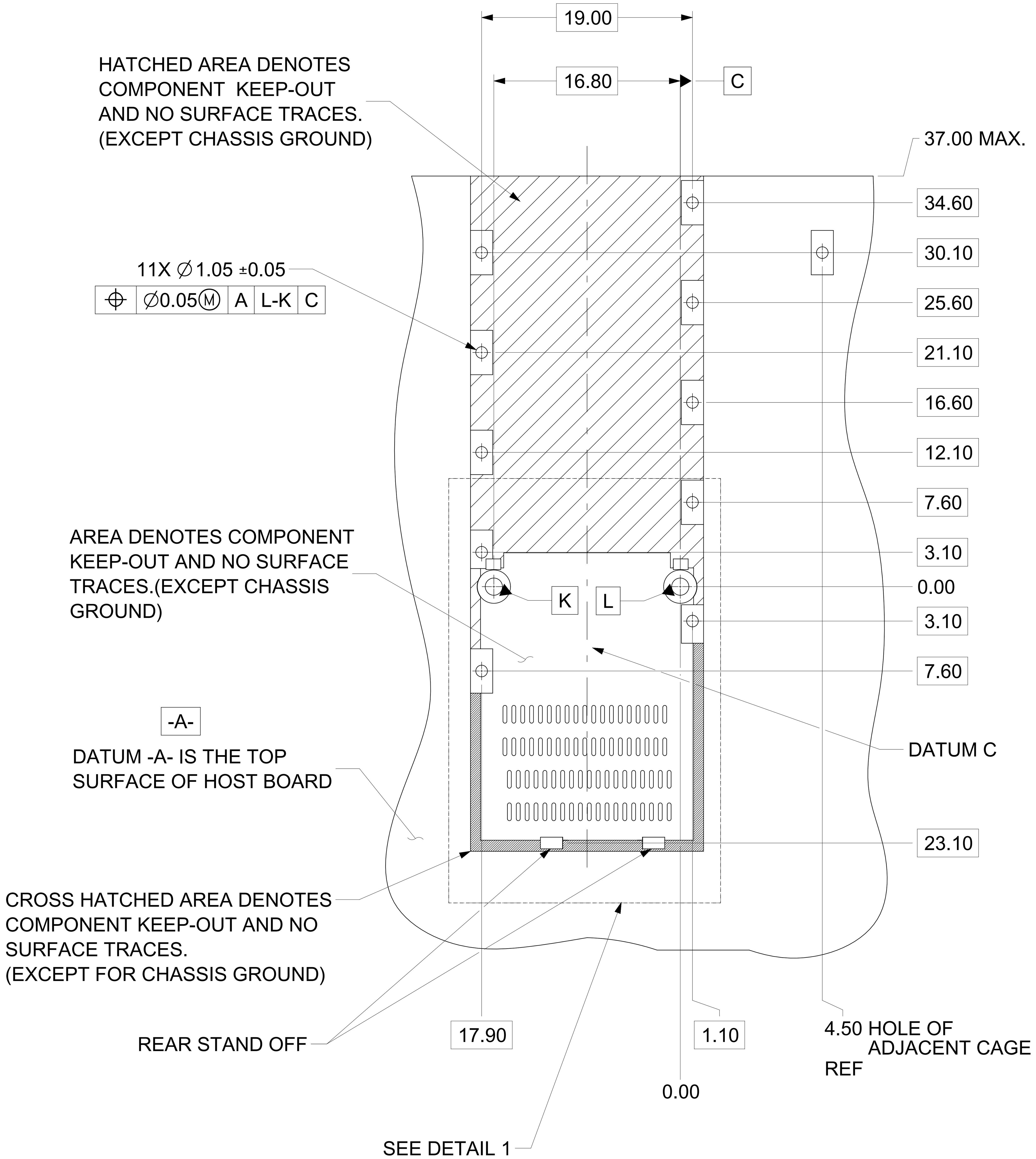
DDQ 1X1 CAGE ASSY, PIN FIN, 0RL

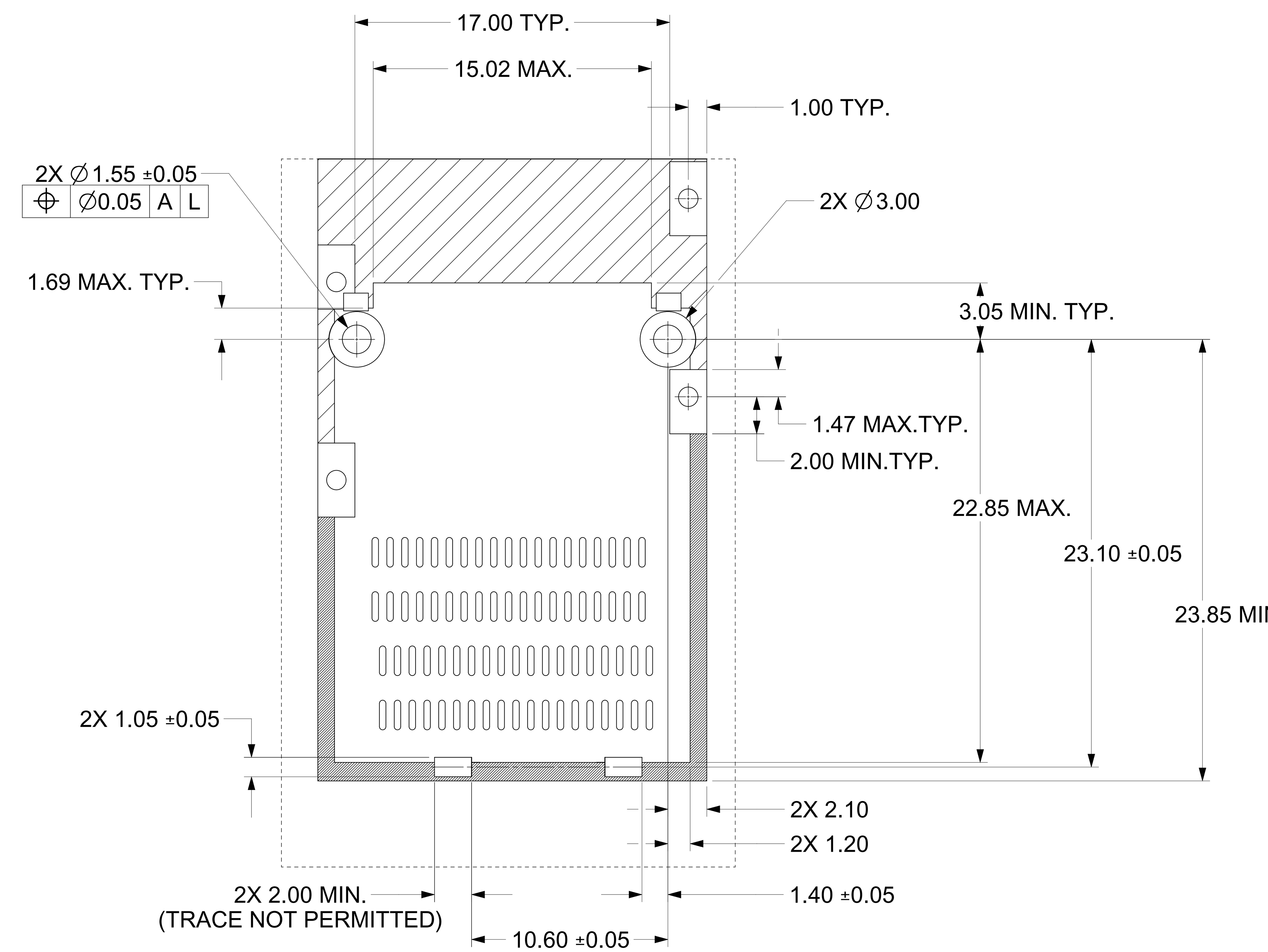
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2031432079	PSD	ASY	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	203143	2031432079		1 OF 5

PCB LAYOUT FOR SINGLE SIDED MOUNTING





DETAIL 1
SCALE 5:1

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.

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/23 04:57:47

DIMENSION UNITS	SCALE
mm	3.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0°
4 PLACES	±	
3 PLACES	±	0.13
2 PLACES	±	0.15
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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INITIAL REVISION:
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THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	203143

molex

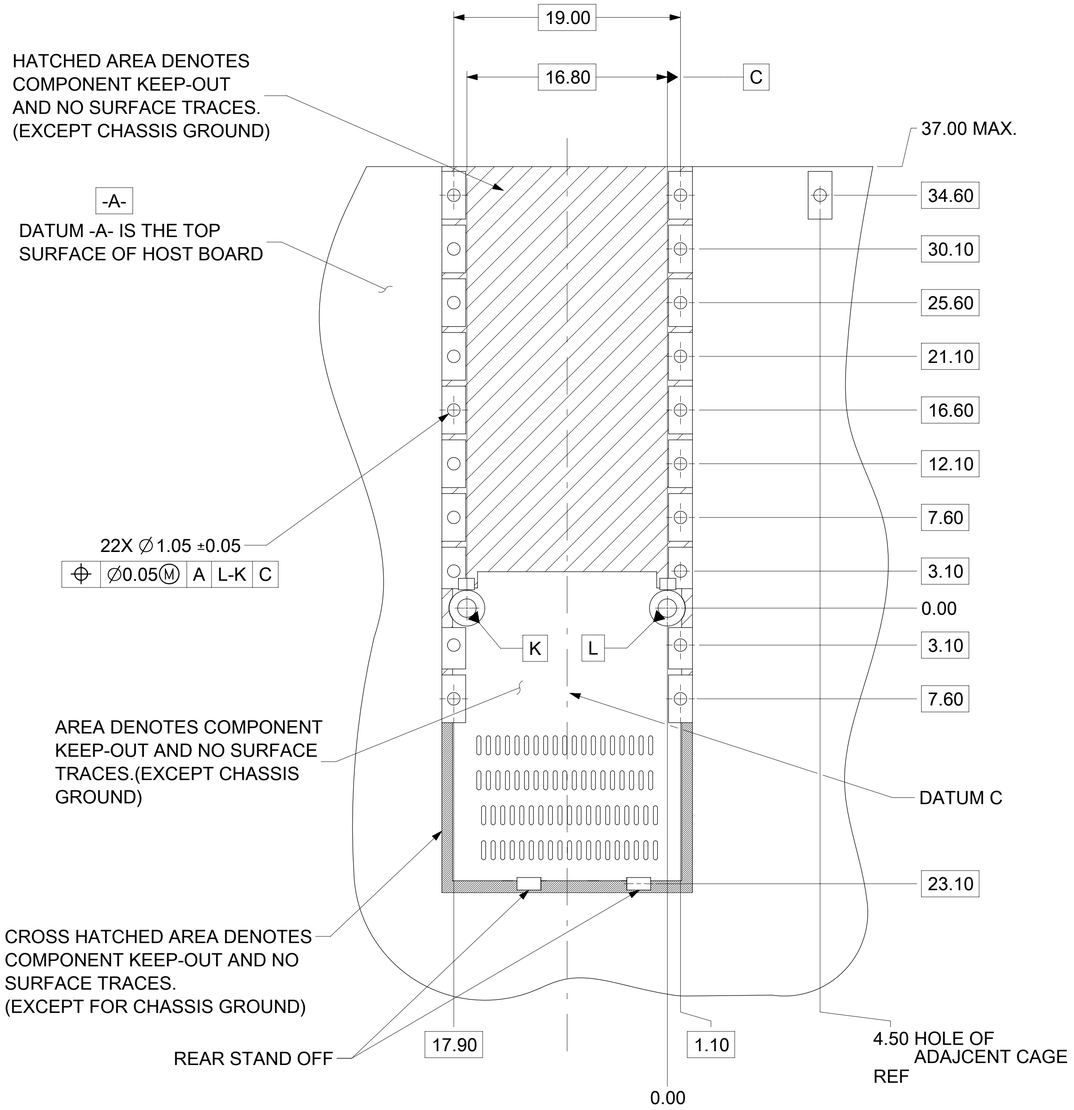
DDQ 1X1 CAGE ASSY, PIN FIN, 0RL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2031432079	PSD	ASY	A

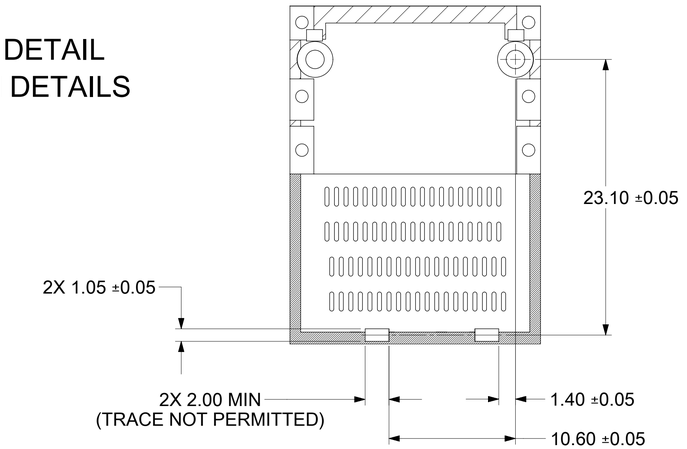
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 1		2 OF 5

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS

PARTIAL
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.

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/23 04:57:47

DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	0.13
2 PLACES	±	0.15
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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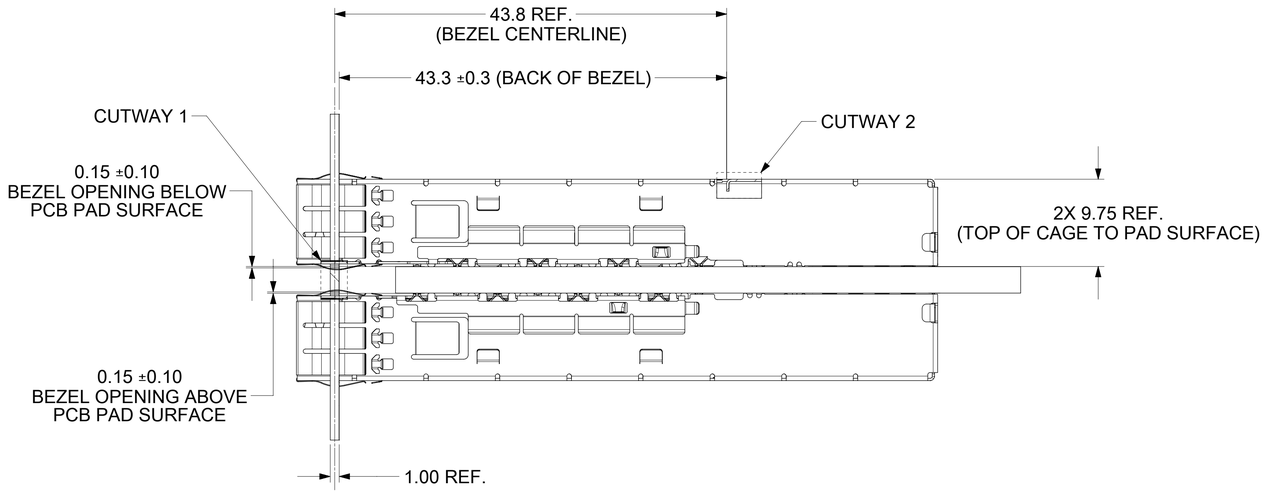
DDQ 1X1 CAGE ASSY, PIN FIN, 0RL

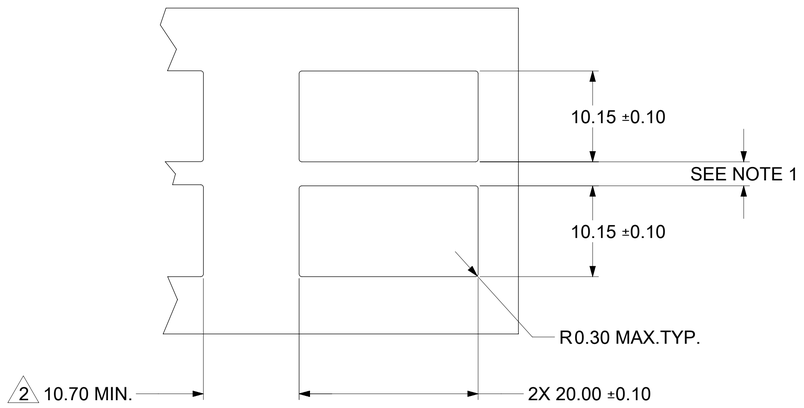
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2031432079	PSD	ASY	A

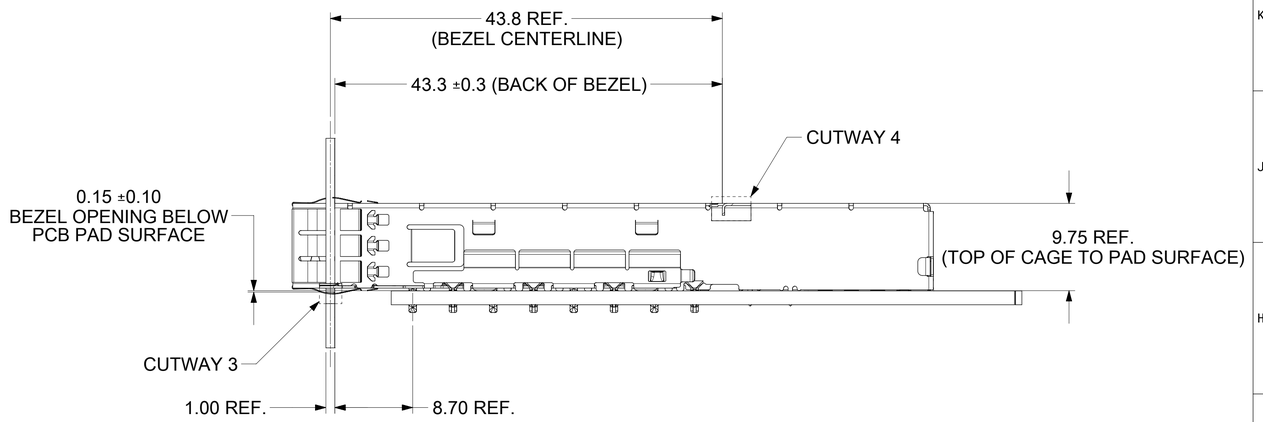
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	203143	SEE SHEET 1		3 OF 5

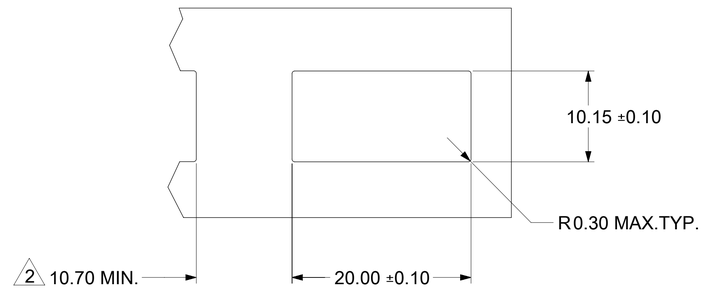
BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (TAKE OFF HEAT SINK FOR CLEAR VIEW)





BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (TAKE OFF HEAT SINK 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.)

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/23	04:57:47

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	0.13
2 PLACES	±	0.15
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DDQ 1X1 CAGE ASSY, PIN FIN, 0RL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	203143	SEE SHEET 1		4 OF 5

REV	DATE	DESCRIPTION
A	2021/6/22	INITIAL RELEASE

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	0.13
2 PLACES	±	0.15
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 667648

DRWN:	SCHIEN	2021/05/28
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APPR:	JCHIANG	2021/06/23

INITIAL REVISION:

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DDQ 1X1 CAGE ASSY, PIN FIN, 0RL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	203143	SEE SHEET 1		5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/23 04:57:47