

PART NO. 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	
WEEK	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YEAR	22, 23, 24 ETC. EXAMPLE: YEAR 2022 = 22

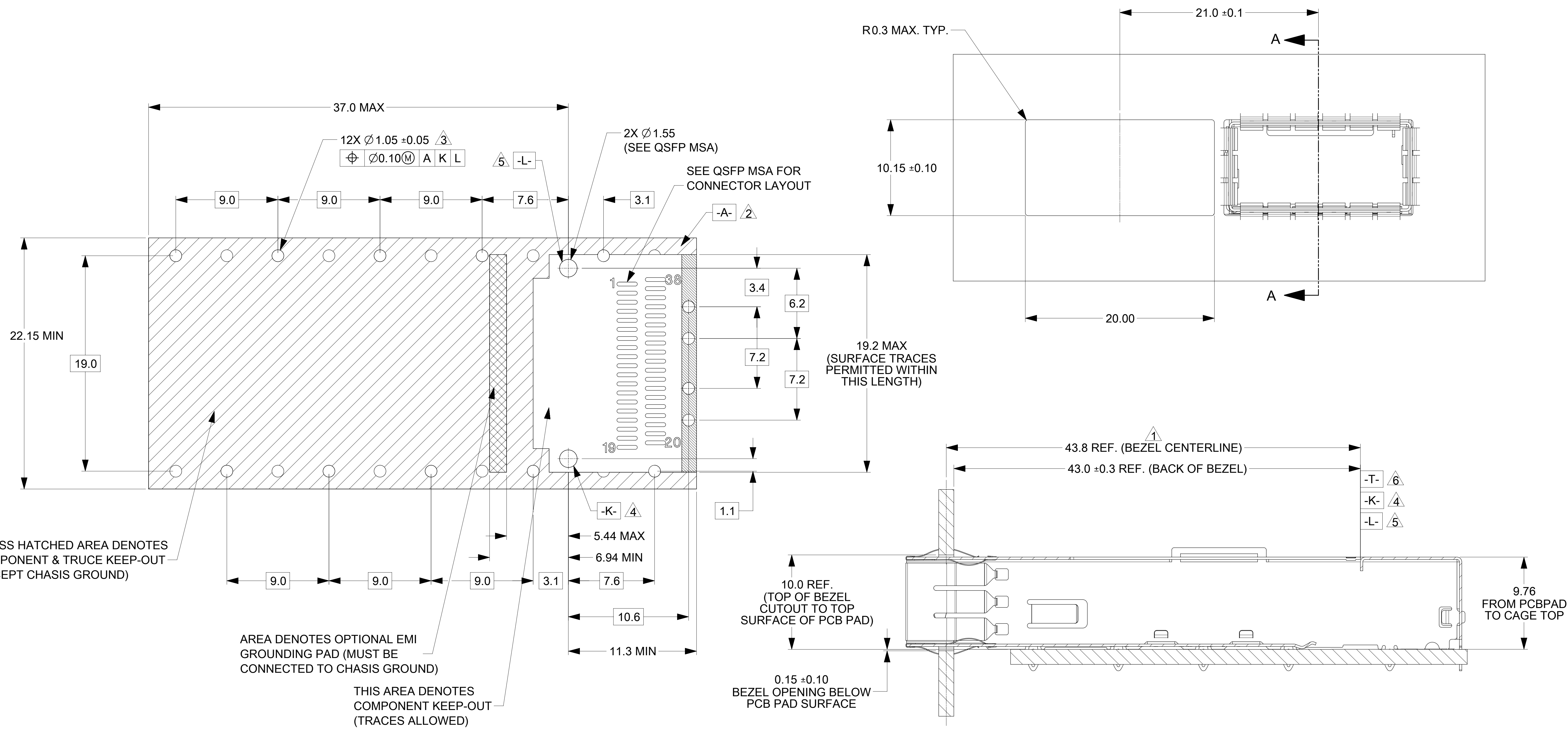
NOTES:

- PRESS FIT LEGS 2.28mm [0.090"] LONG
- SINGLE SIDED BOARD THICKNESS  
NOMINAL: 1.60 [0.062"]  
MINIMUM: 1.44 [0.057"]  
BELLY TO BELLY BOARD THICKNESS  
NOMINAL: 2.30 [0.090"]  
MINIMUM: 2.07 [0.081"]
- MATERIAL: CAGE & SPRING FINGER - NICKEL COPPER ALLOY  
HEATSINK - ANODIZED ALUMINUM  
SPRING FINGER: STAINLESS STEEL
- REFERENCE DOCUMENTS: PRODUCT SPECIFICATION: QSFP MSA
- SPRING FINGERS ARE A LOWER PROFILE PER CUSTOMER SPECIFICATION
- LEAD FREE, NO RoHS EXEMPTIONS.
- WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION

FINISHED ASSEMBLY P/N	DESCRIPTION	# OF REAR LEGS	CAGE P/N	CLIP P/N	HEAT SINK P/N
747503050	QSFP+ 1X1 CAGE W/ EMI SPRING FINGER - PRESS FIT AND HEATSINK	2	747500001	747500305	747500300

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	<p><b>molex</b></p> <p>QSFP+ 1X1 CAGE ASSEMBLY W/SUS SPRING FINGER AND HEAT SINK</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13	EC NO: 712623	2022/06/28	DOCUMENT NUMBER					
1 PLACE	± 0.25	DRWN: PKH	2022/06/28	747503050					
0 PLACES	±	CHK'D: DKUMARG	2022/06/29	PSD ASY A					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: SCHIEN	2022/07/07	INITIAL REVISION:		DOC TYPE		DOC PART	
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
D-SIZE		74750		747503050		SHEET NUMBER		1 OF 4	

# PCB LAYOUT FOR SINGLE SIDED MOUNTING



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

AREA DENOTES OPTIONAL EMI GROUNDING PAD (MUST BE CONNECTED TO CHASSIS GROUND)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

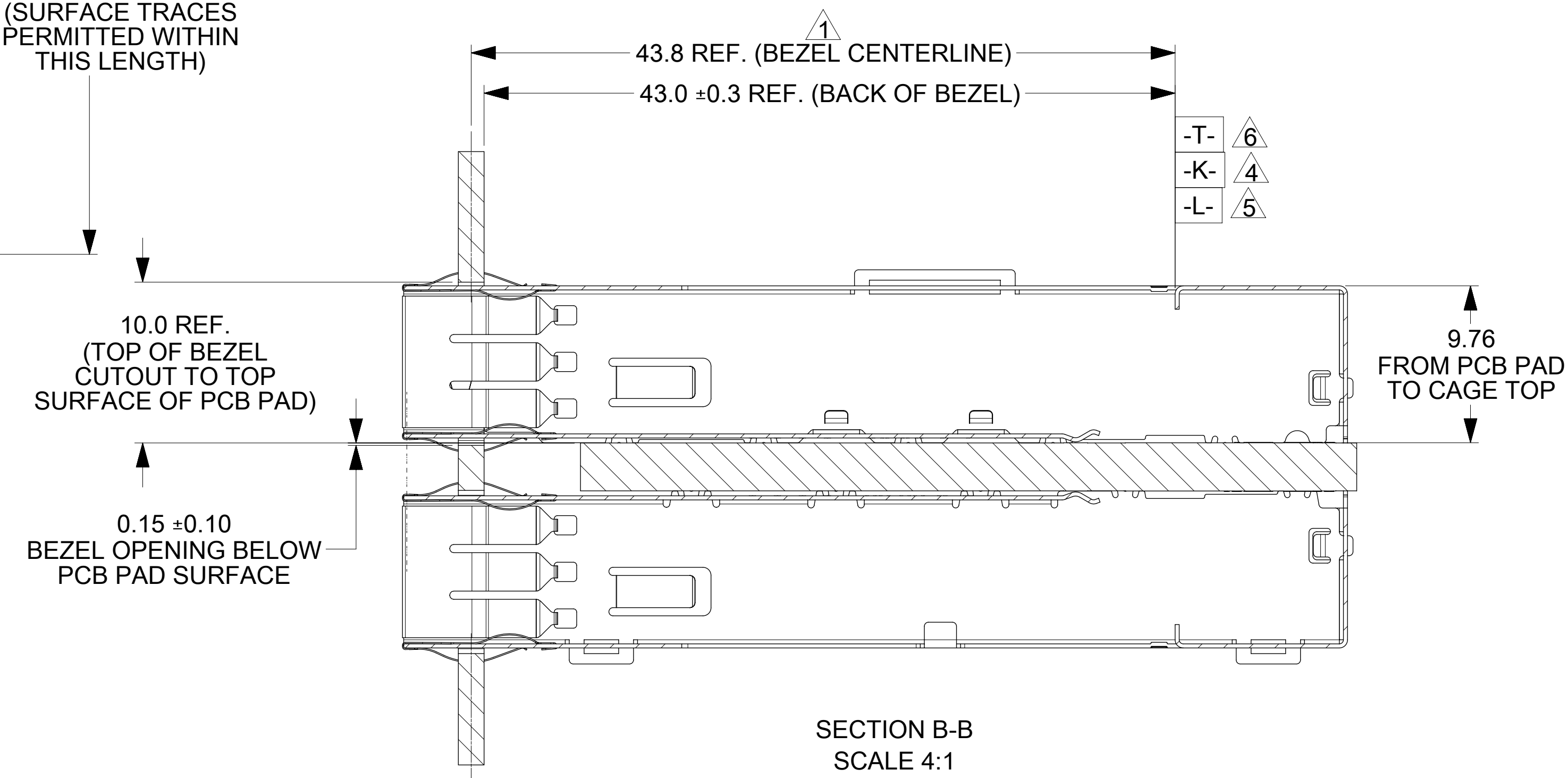
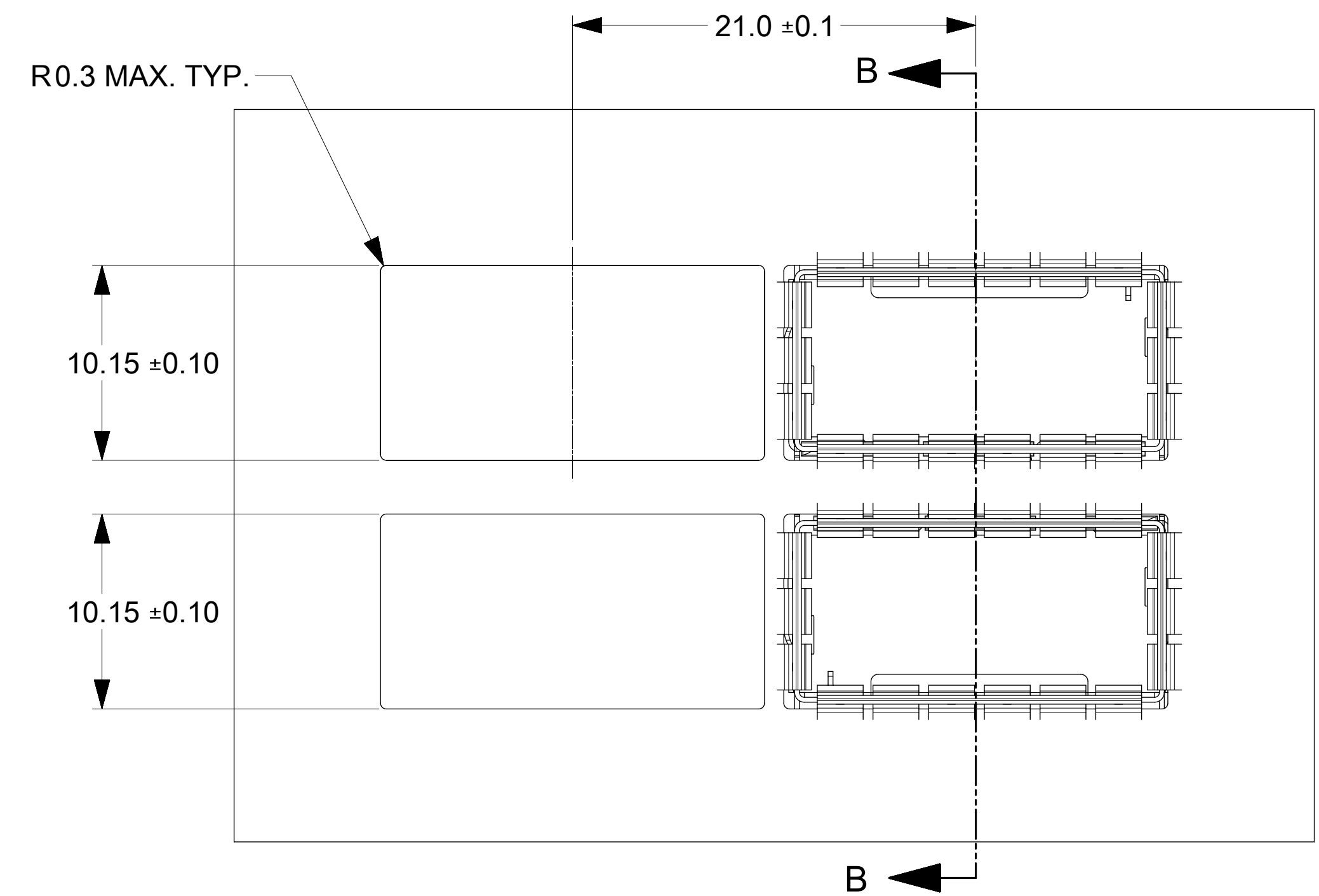
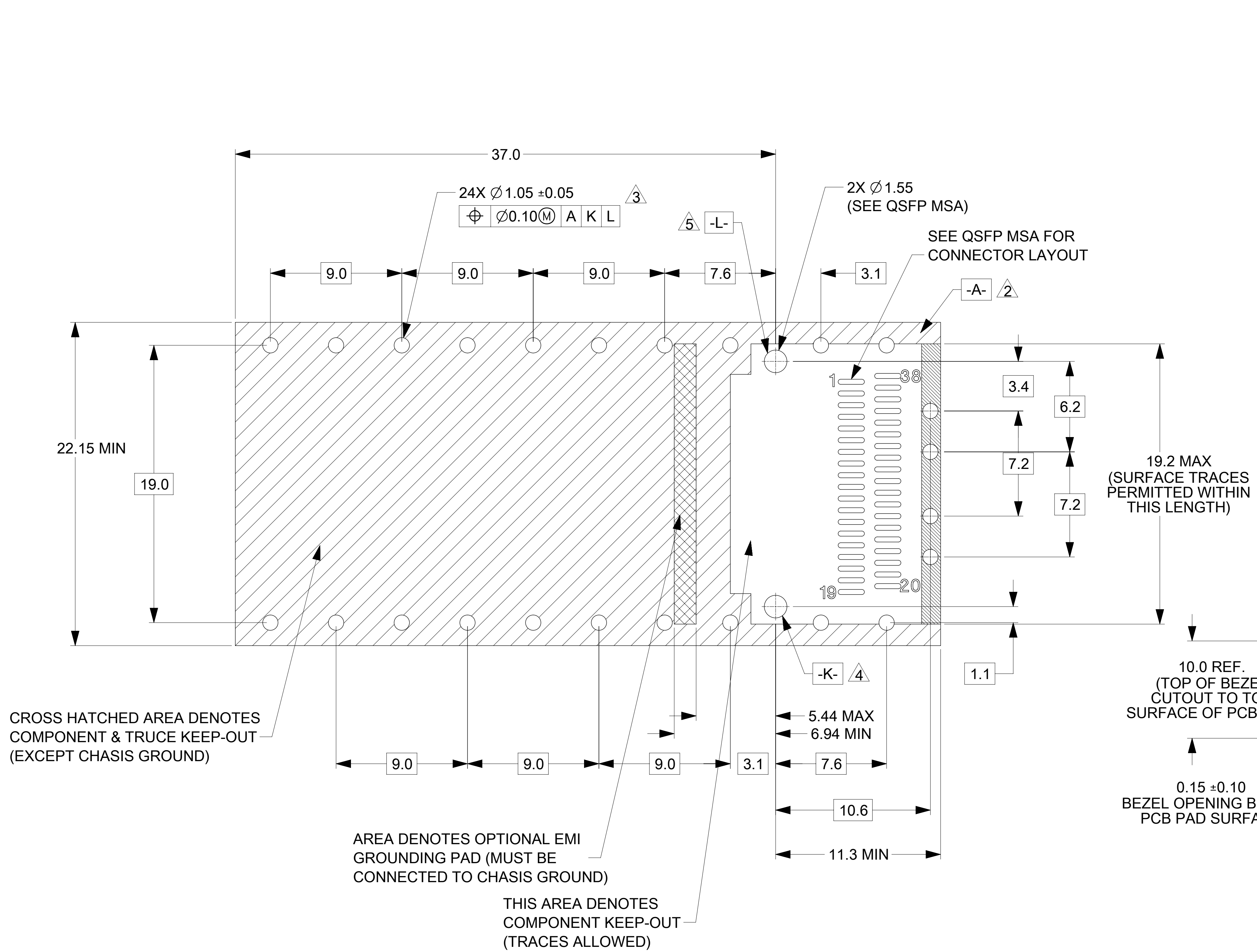
**NOTES:**

1. SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE
2. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
3. FINISHED HOLE SIZE (AFTER PLATING)
4. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
5. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
6. DATUM -T- IS HARD STOP ON CAGE PER MSA

SECTION A-A

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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	1:1	<p>QSFP+ 1X1 CAGE ASSEMBLY W/SUS SPRING FINGER AND HEAT SINK</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>747503050</b>    DOC TYPE: PSD    DOC PART: ASY    REVISION: <b>A</b></p> <p>MATERIAL NUMBER: 747503050    CUSTOMER:    SHEET NUMBER: 2 OF 4</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
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						
		D-SIZE	74750						

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



## NOTES:

- SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE
- DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
- FINISHED HOLE SIZE (AFTER PLATING)
- DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
- DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
- DATUM -T- IS HARD STOP ON CAGE PER MSA
- PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION

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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	6:1	<p>QSFP+ 1X1 CAGE ASSEMBLY                  W/SUS SPRING FINGER AND HEAT SINK</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>747503050</b>    DOC TYPE: PSD    DOC PART: ASY    REVISION: <b>A</b></p> <p>MATERIAL NUMBER: 747503050    CUSTOMER:    SHEET NUMBER: 3 OF 4</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
4 PLACES	±								
3 PLACES	±								
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1 PLACE	± 0.25								
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	EC NO: 712623 DRWN: PKH 2022/06/28 CHK'D: DKUMARG 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/06/28 APPR: SCHIEN 2022/07/07				
			D-SIZE	74750					

