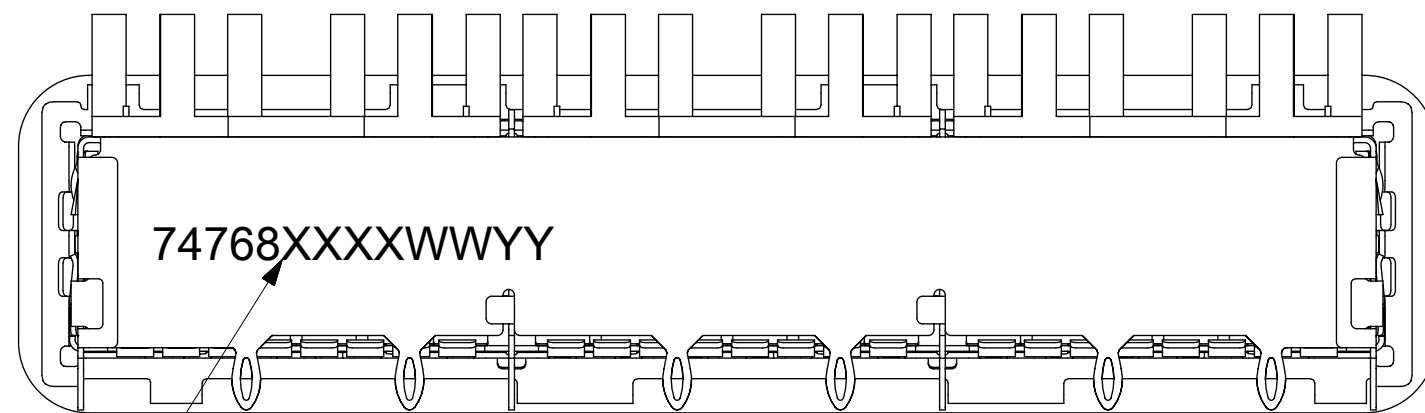
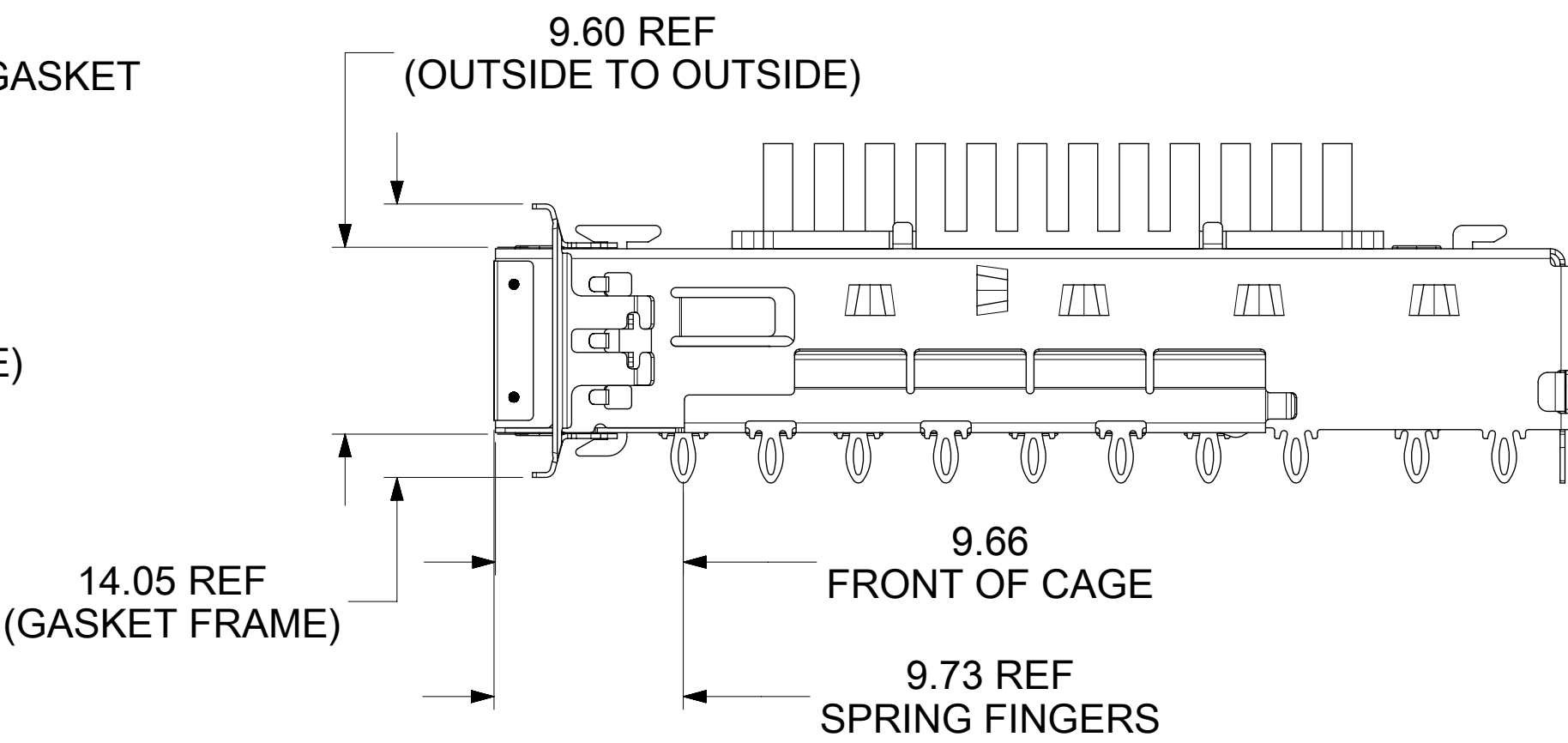
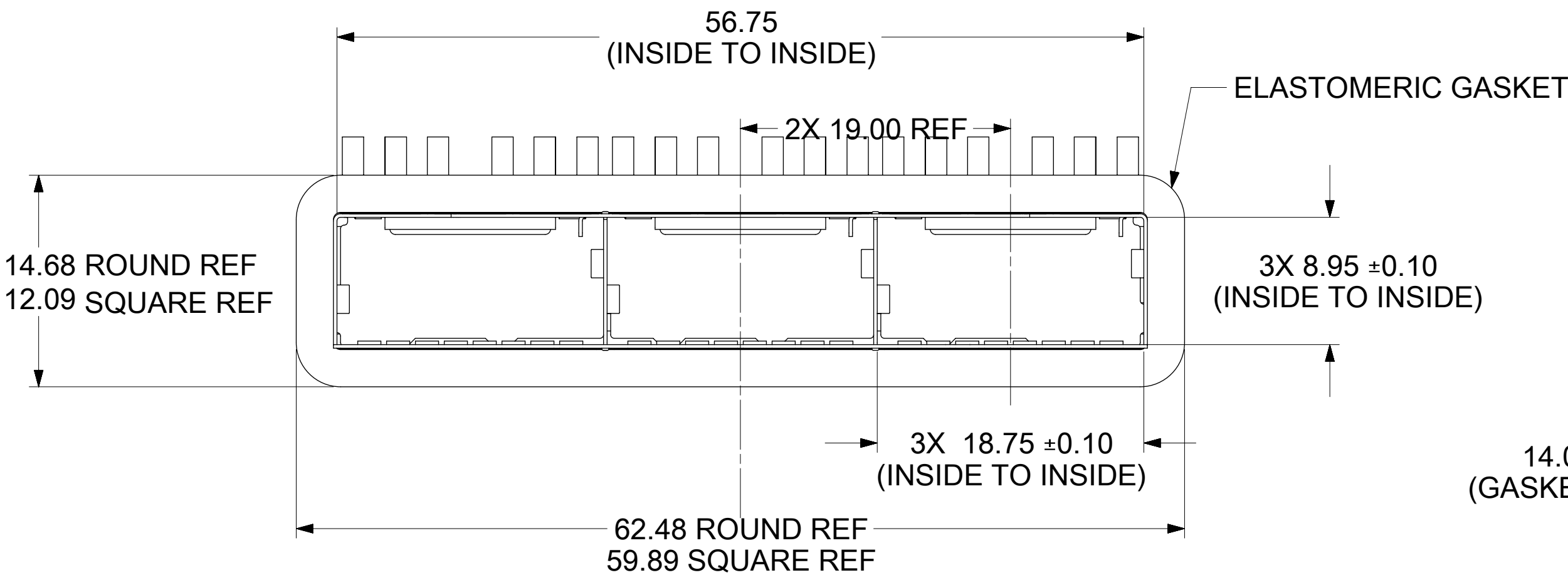
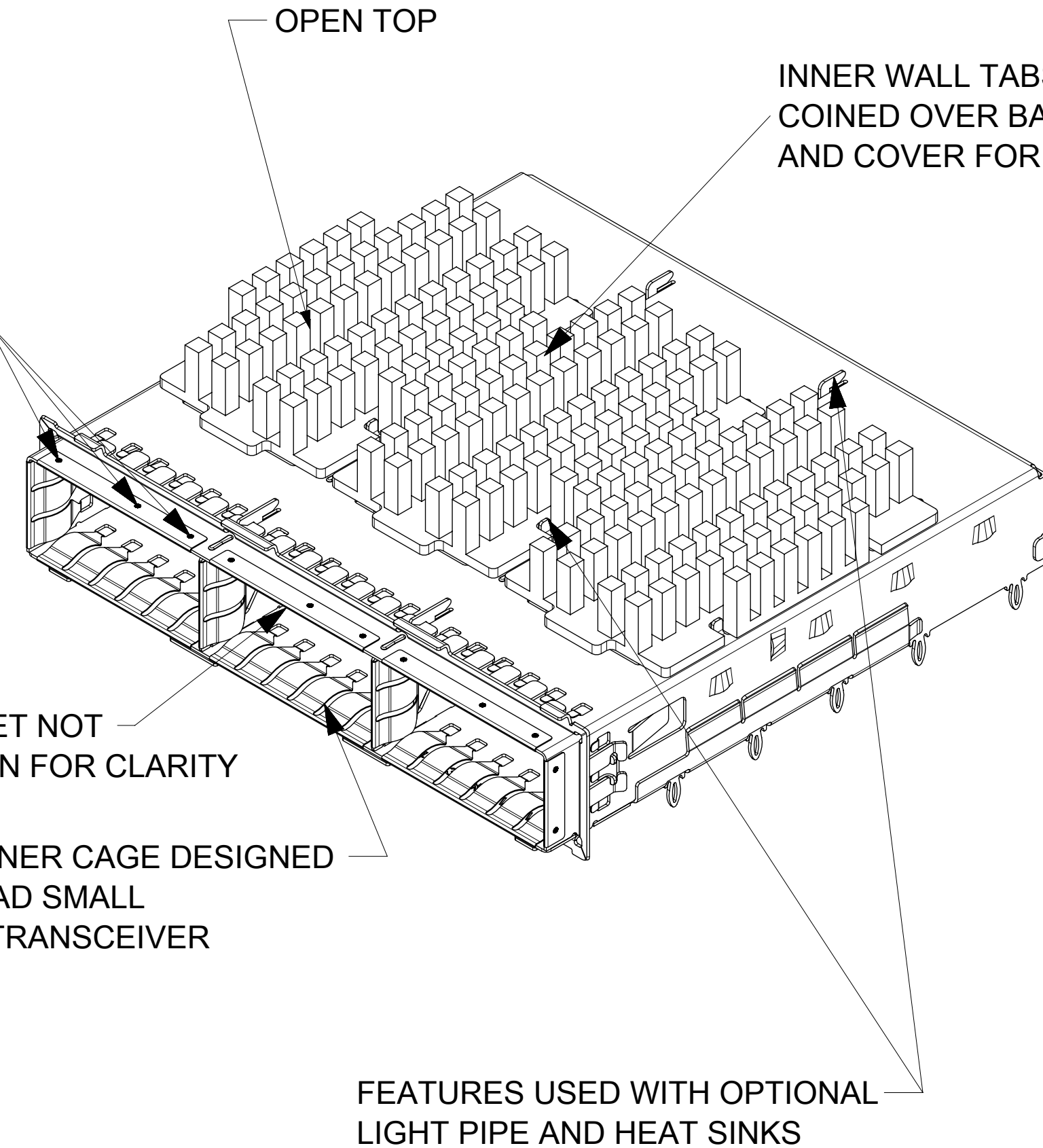
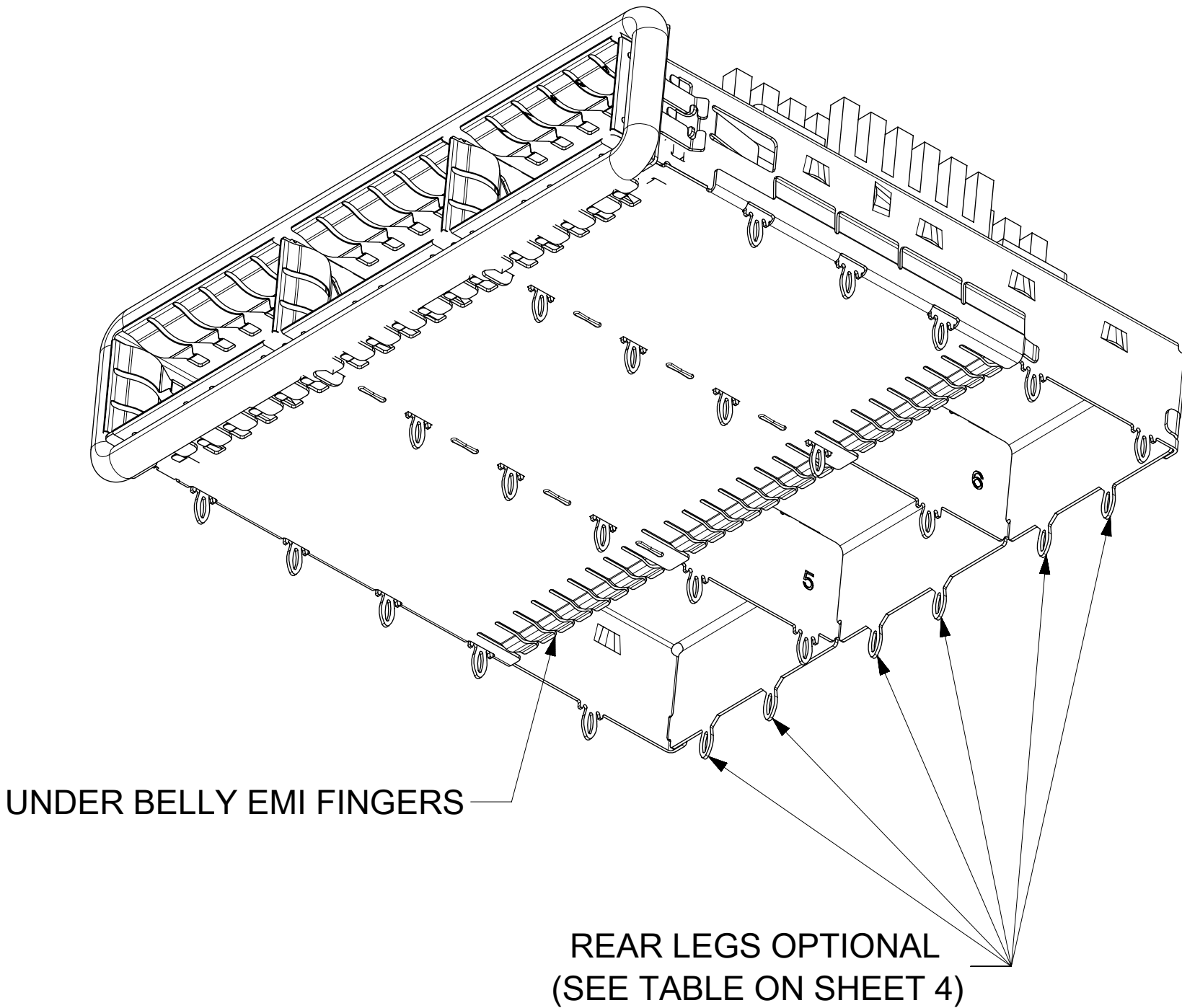
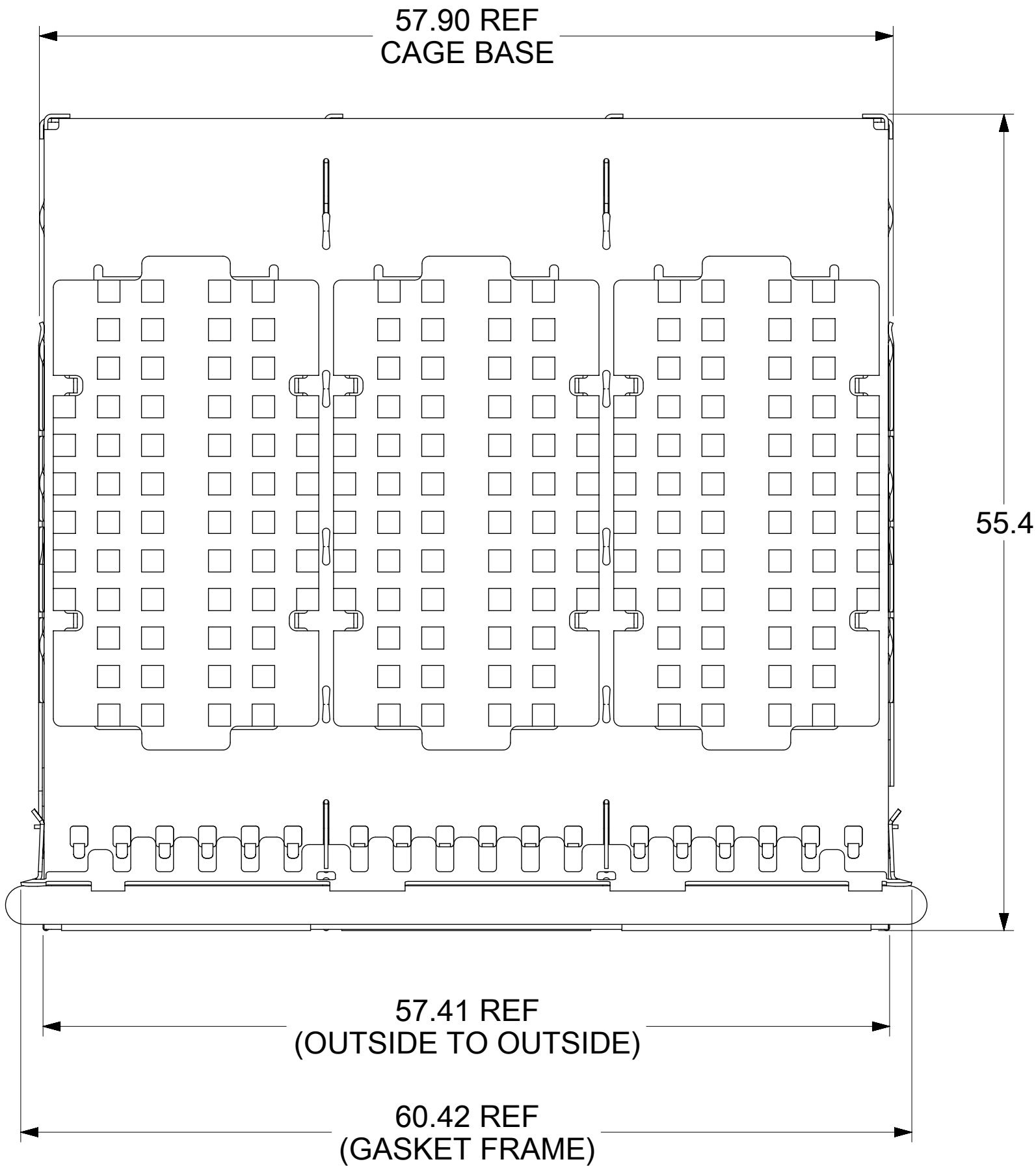


BASE CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

747683212 SHOWN



PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

WEEK/YEAR DATE CODE TABLE

WW	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	23, 24, 25 ETC. EXAMPLE: YEAR 2023 =23

NOTE:
INNER SPRING FINGERS HAVE BEEN REMOVED FOR CLARITY

NOTE:
ELASTOMER GASKET REMOVED FOR CLARITY

- NOTES:
- QSFP+ ASSEMBLES ALSO AVAILABLE AND 1X1 74750 SERIES, 1X2 (74767 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES) CONFIGURATIONS.
 - MATERIAL:
COVER: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (94-V0 RATED)
SPRING FINGER : STAINLESS STEEL
CLIP: STAINLESS STEEL
HEAT SINKS: ALUMINUM
CAGE: COPPER ALLOY
GASKET MATERIAL : ELASTOMER GASKET SILICONE, COLOUR BLACK
 - NO RoHS EXEMPTIONS
 - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.
 - WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.

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:				molex					
mm		3:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				QSFP+ 1X3 GANGED CAGE, GASKET TYPE W/ SUS INNER SPRING FINGER									
ANGULAR TOL ± 1.0°													
4 PLACES		±		EC NO: 744377				PRODUCT CUSTOMER DRAWING					
3 PLACES		±		DRWN: DKUMARG 2023/03/29									
2 PLACES		± 0.15		CHK'D: AMRUTH 2023/03/30									
1 PLACE		± 0.25		APPR: TKUMARKC 2023/03/31				DOCUMENT NUMBER 747683506					
0 PLACES		±		INITIAL REVISION:						DOC TYPE DOC PART REVISION			
				DRWN: CHETHH2 2022/05/25						PSD ASY A1			
				APPR: SCHIEN 2022/07/07									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		 		D-SIZE		74768		SEE P/N TABLE				1 OF 7	

M

L

K

J

H

G

F

E

D

C

B

A

747683506 SHOWN

SAN HEAT SINK
(PIN STYLE)

NOTE:
1. FOR LIGHT PIPE OPTIONS SEE SHEET 3.
2. HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

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DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex					
mm		3.5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 744377 DRWN: DKUMARG 2023/03/29 CHK'D: AMRUTH 2023/03/30 APPR: TKUMARKC 2023/03/31 INITIAL REVISION: DRWN: CHETHH2 2022/05/25 APPR: SCHIEN 2022/07/07			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
ANGULAR TOL ±		1.0 °					747683506		PSD	ASY	A1	
4 PLACES ±							SEE P/N TABLE		CUSTOMER		SHEET NUMBER 2 OF 7	
3 PLACES ±												
2 PLACES ±		0.15										
1 PLACE ±		0.25										
0 PLACES ±												
THIRD ANGLE PROJECTION				DRAWING		SERIES						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				D-SIZE		74768						

19

18

17

16

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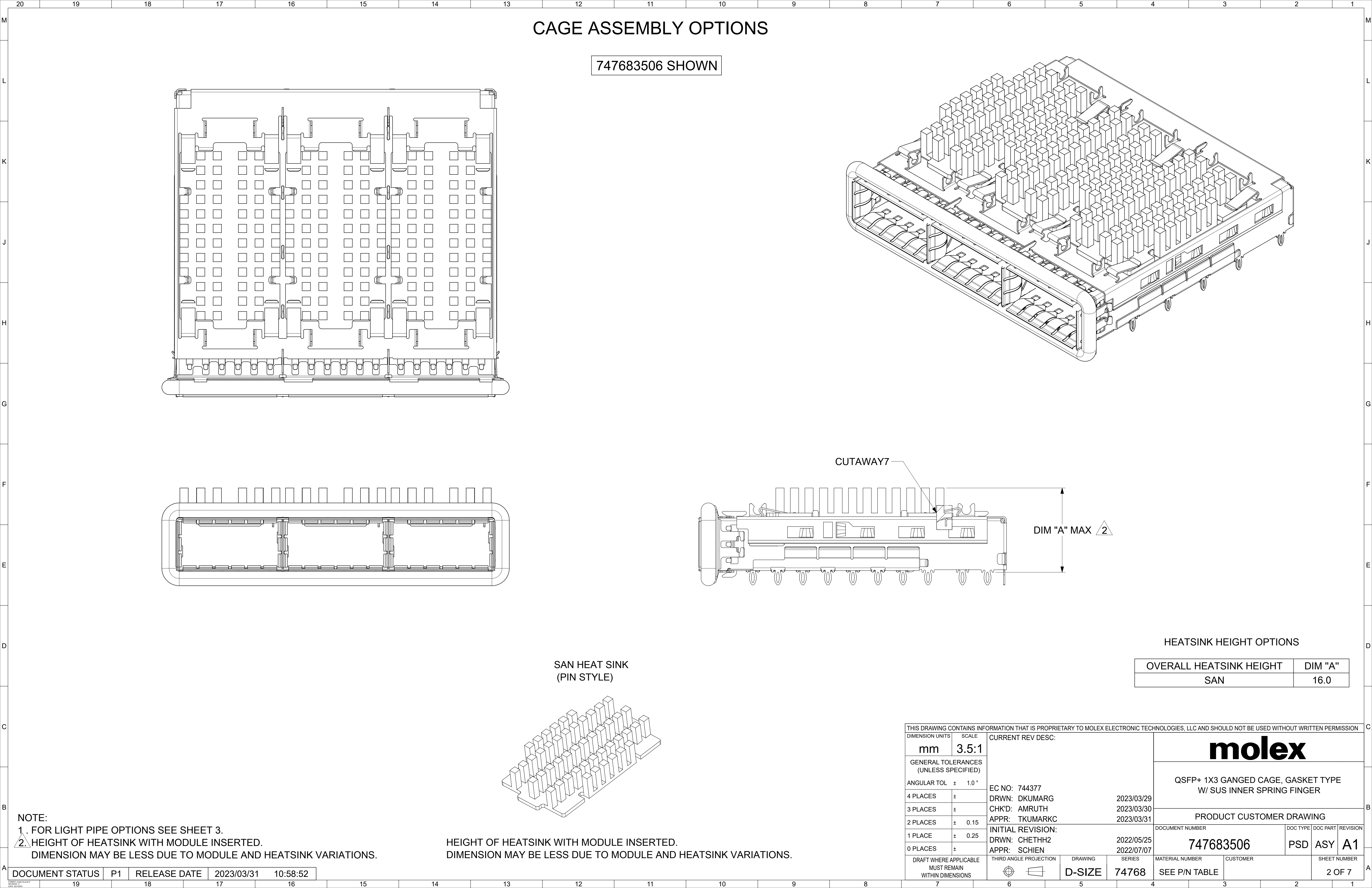
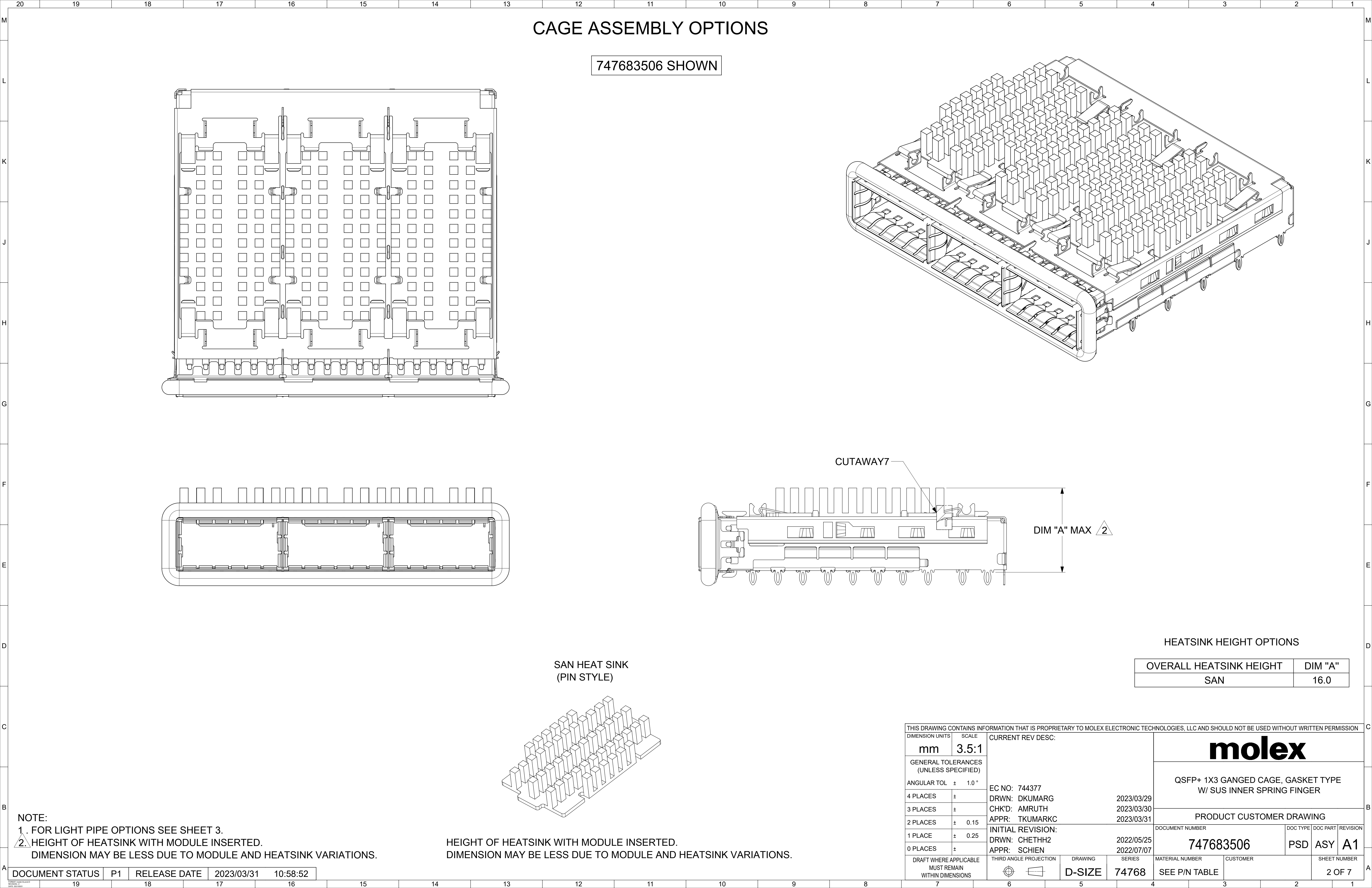
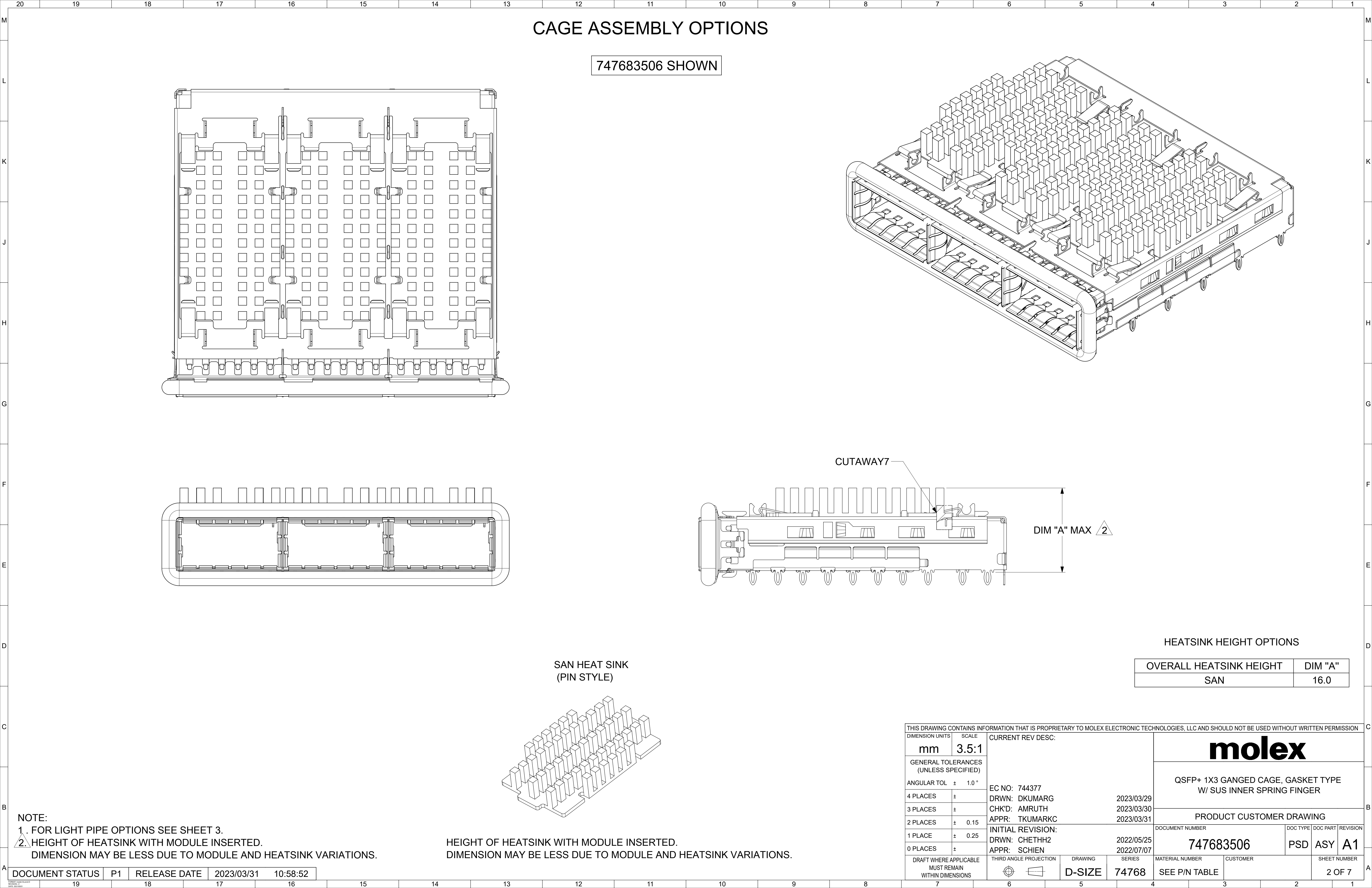
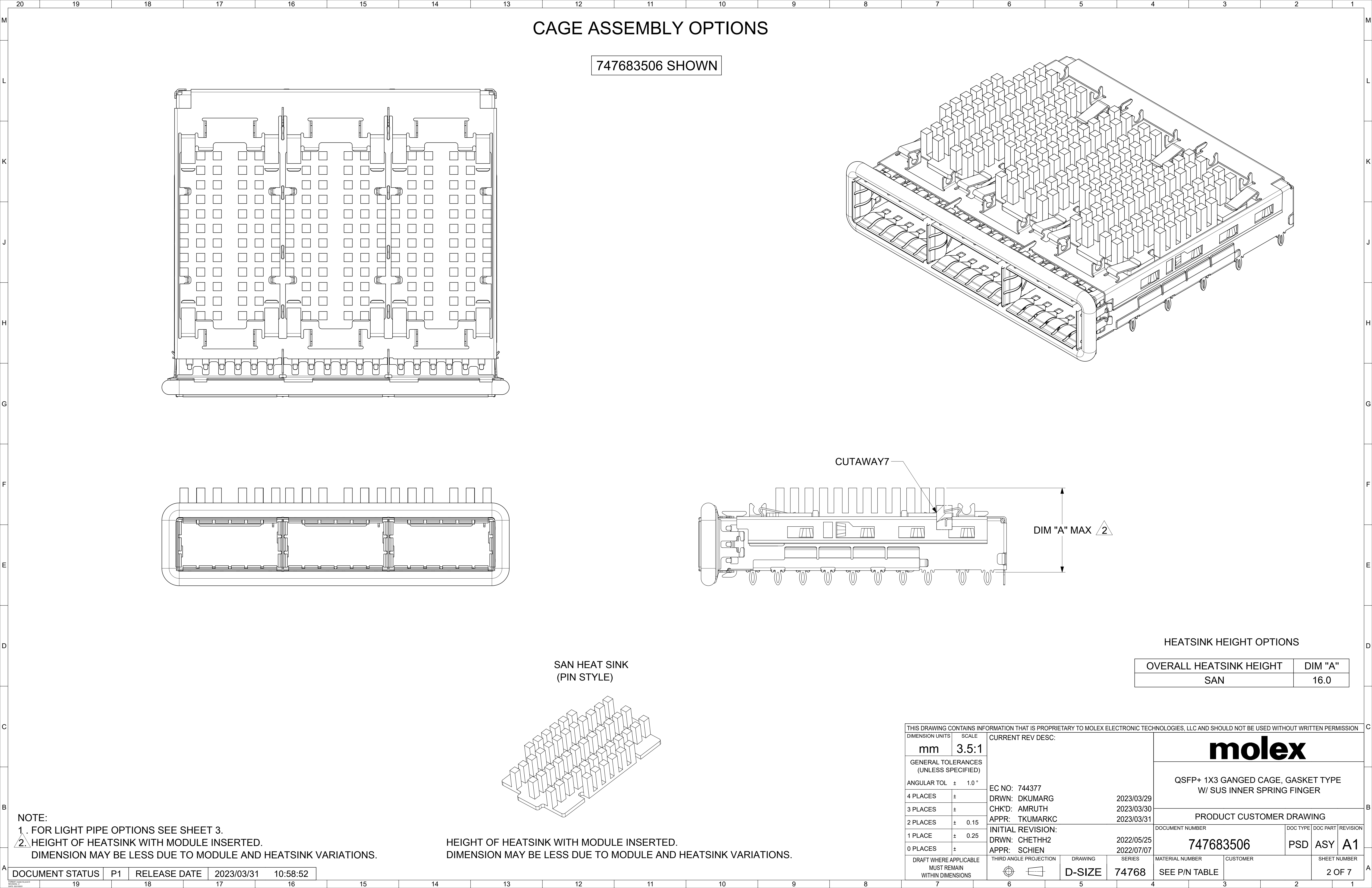
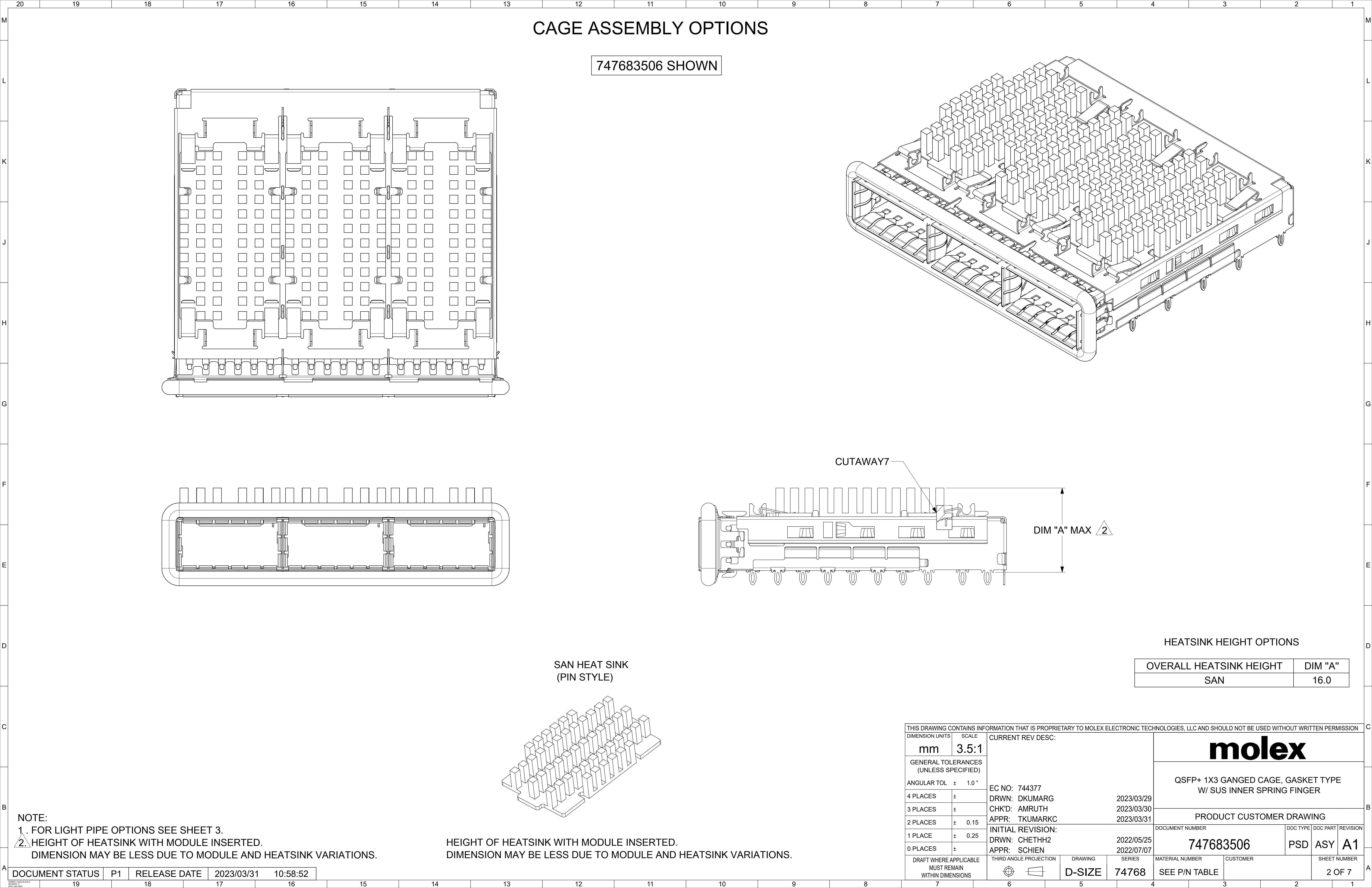
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4

3

2

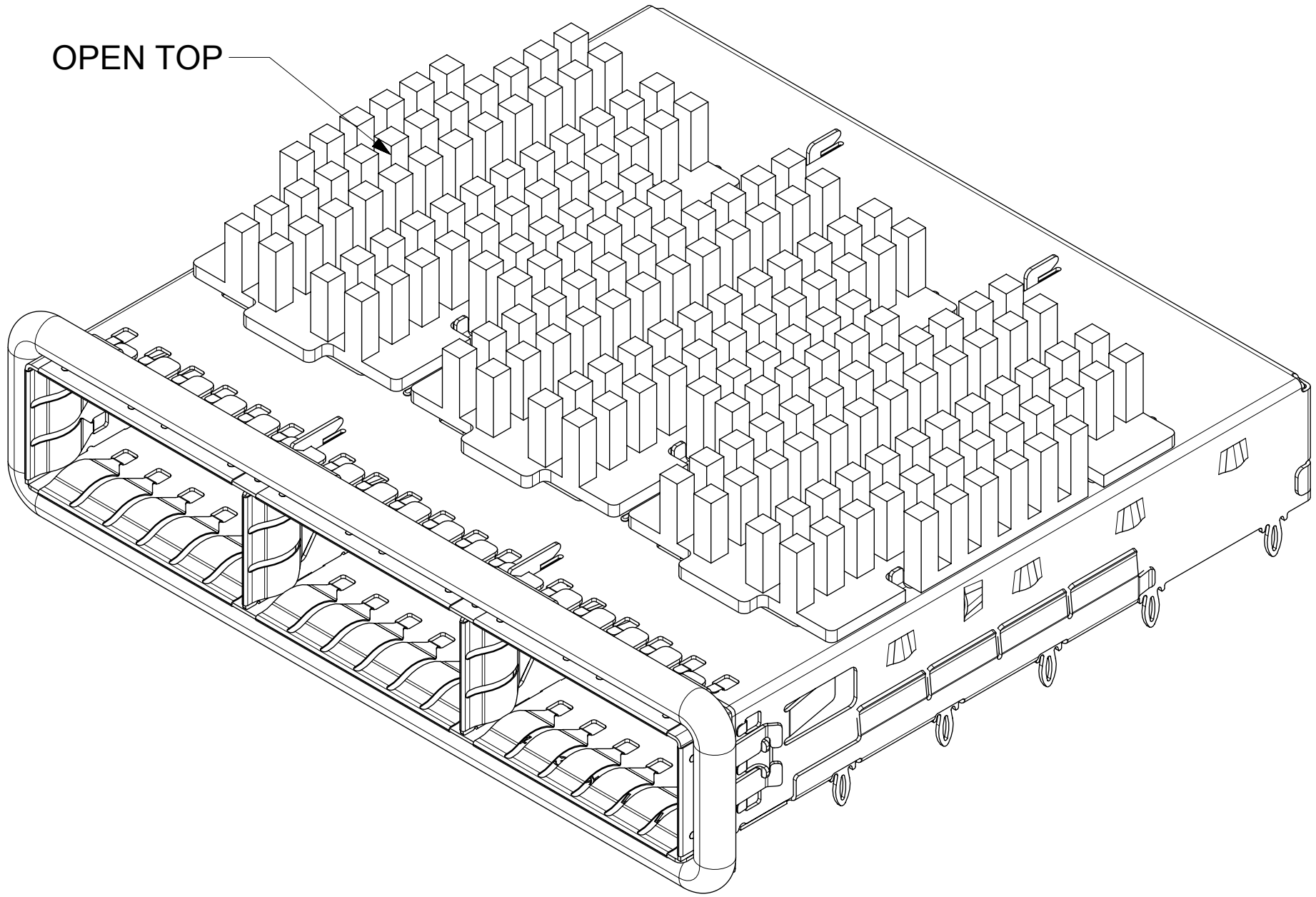
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PART NUMBER SELECTION

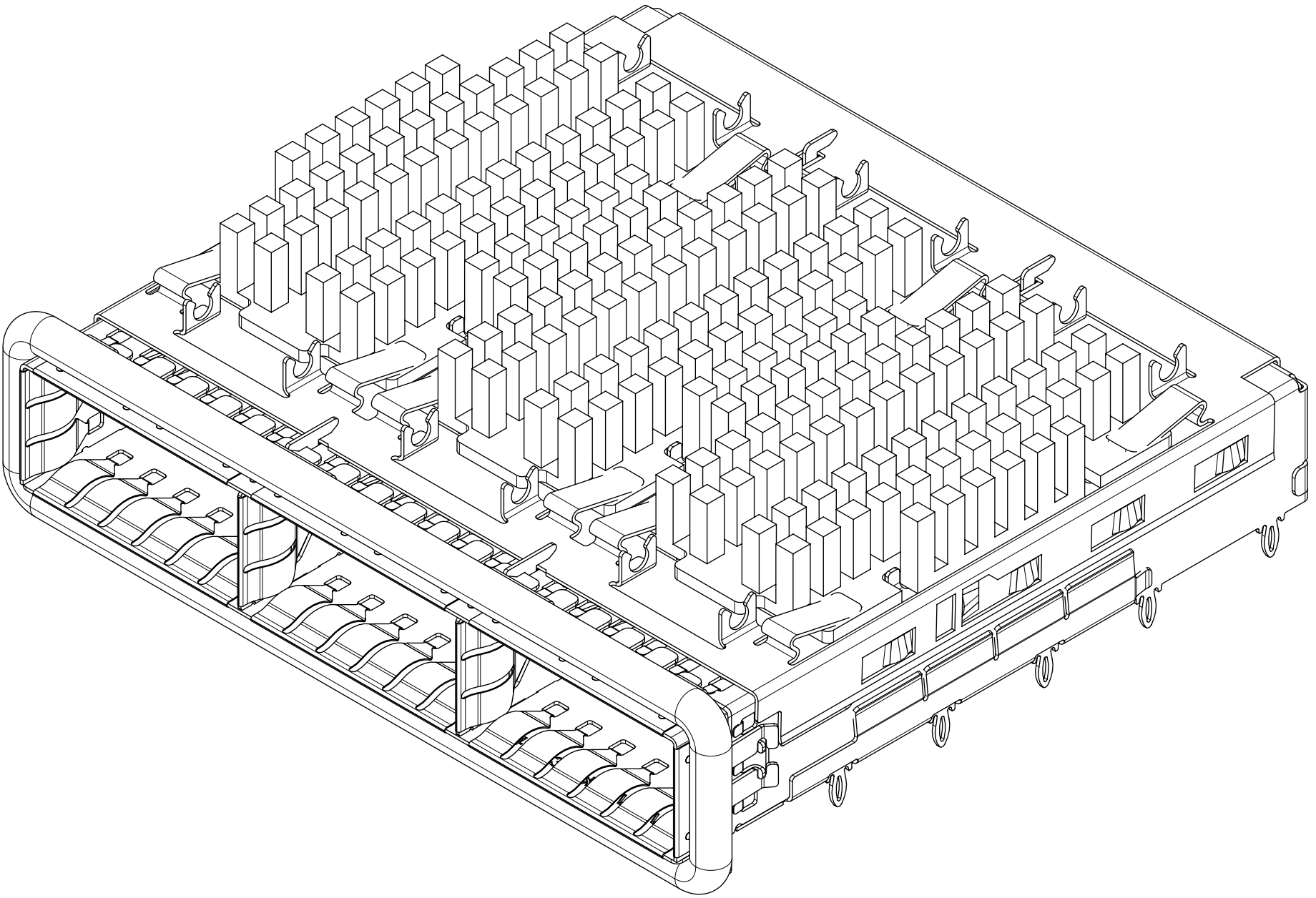
NO HEAT SINKS
NO LIGHT PIPES

OPEN TOP



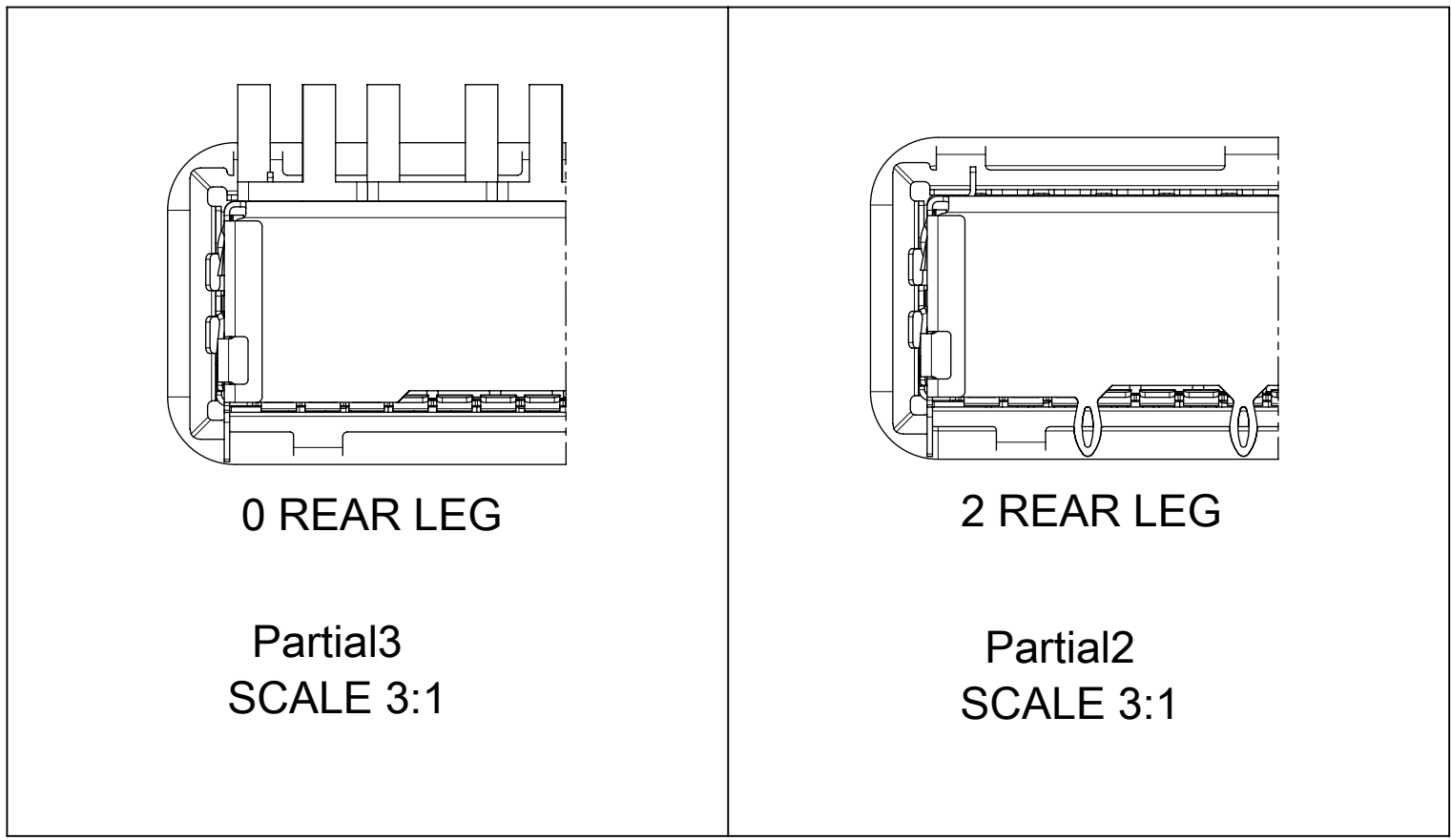
MOLEX P/N	GASKET STYLE	# OF REAR LEGS PER PORT
747683210	ROUND	0
747683212	ROUND	2

WITH HEAT SINKS
NO LIGHT PIPES

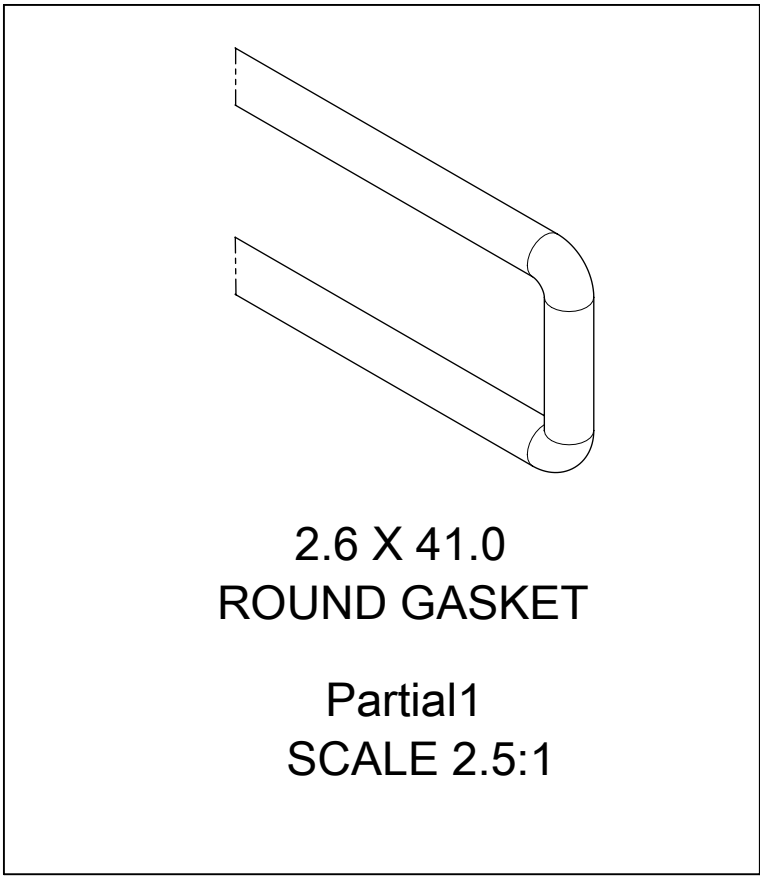


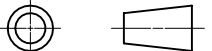
MOLEX P/N	GASKET STYLE	HS	# OF REAR LEGS PER PORT
747683506	ROUND	SAN	2

REAR LEG OPTIONS



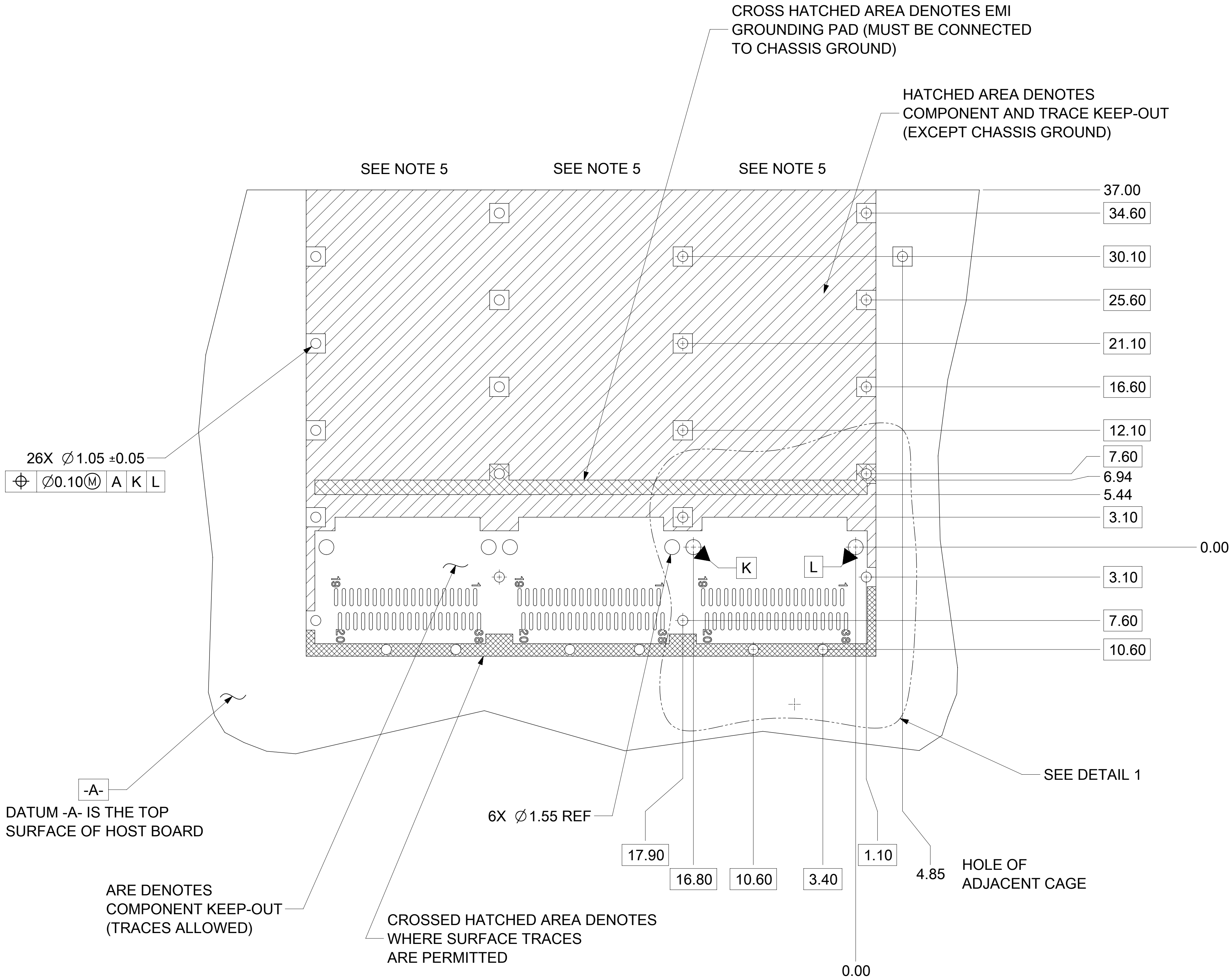
ELASTOMERIC GASKET OPTIONS



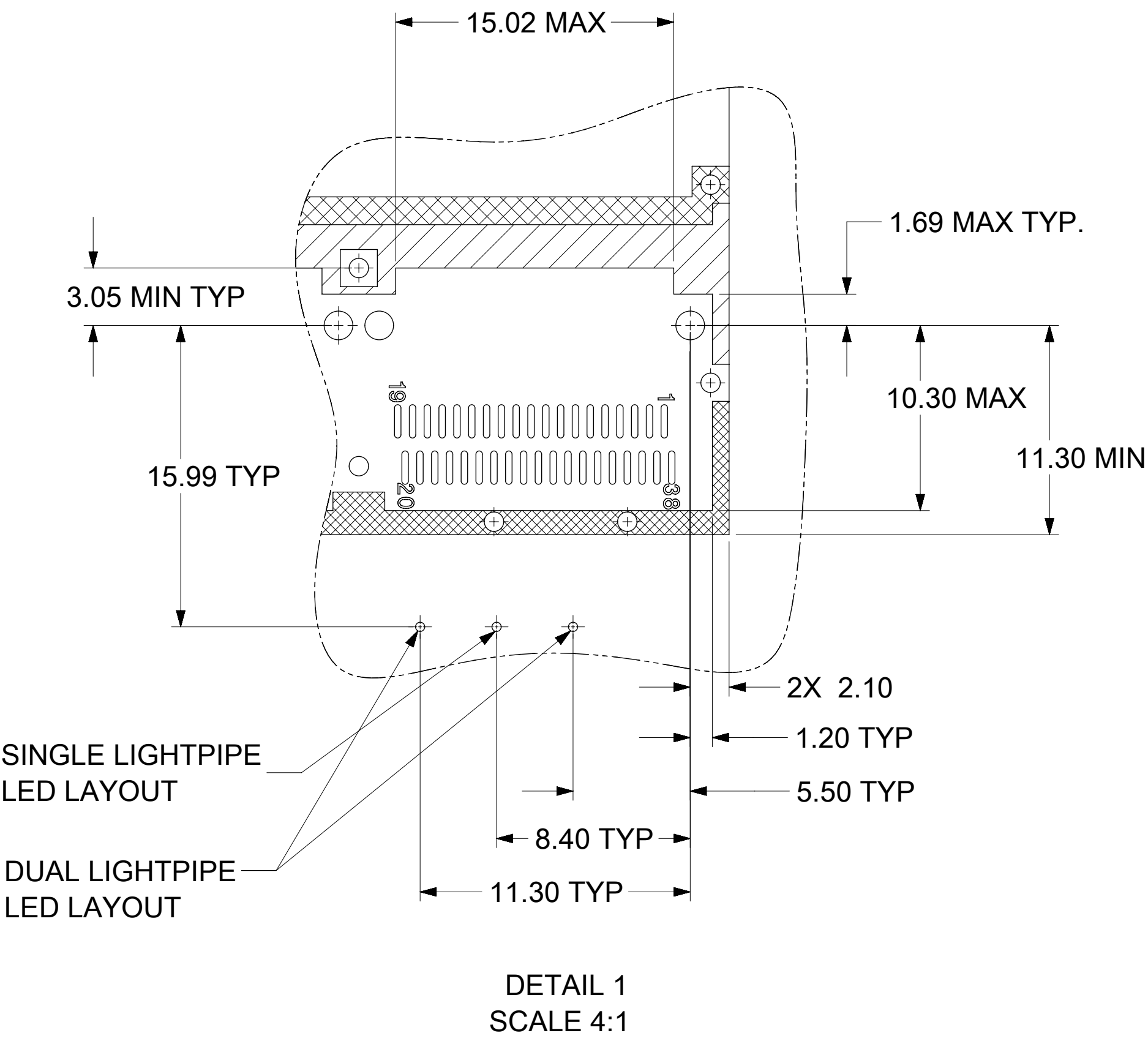
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex							
mm		3:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 744377 DRWN: DKUMARG 2023/03/29 CHK'D: AMRUTH 2023/03/30 APPR: TKUMARKC 2023/03/31 INITIAL REVISION: DRWN: CHETHH2 2022/05/25 APPR: SCHIEN 2022/07/07										
ANGULAR TOL ± 1.0 °														
4 PLACES		±												
3 PLACES		±												
2 PLACES		± 0.15												
1 PLACE		± 0.25		PRODUCT CUSTOMER DRAWING										
0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
						D-SIZE		74768		MATERIAL NUMBER		747683506		PSD
								SEE P/N TABLE		CUSTOMER		SHEET NUMBER		
												3 OF 7		

DOCUMENT STATUS	P1	RELEASE DATE	2023/03/31	10:58:52
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PCB LAYOUT FOR SINGLE SIDED MOUNTING



HOST CONNECTOR DETAIL



- NOTES:
- 1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
 - 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 - 3. CONNECTOR PAD LAYOUT PER QSFP MSA WILL ACCOMODATE MOLEX CONNECTOR 75586-0010 OR 75586-0011.
 - 4. SINGLE SIDE BOARD THICKNESS:
NONIMAL: 1.60
MINIMUM: 1.44
 - 5. SPACING BETWEEN PORTS IS 19.00
 - 6. LED SHOULD BE PLACED RELATIVE TO THE QSFP CONNECTOR POST HOLES

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DIMENSION UNITS	SCALE	CURRENT REV DESC:				molex			
mm	4:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 744377 DRWN: DKUMARG 2023/03/29 CHK'D: AMRUTH 2023/03/30 APPR: TKUMARKC 2023/03/31 INITIAL REVISION: DRWN: CHETHH2 2022/05/25 APPR: SCHIEN 2022/07/07				QSFP+ 1X3 GANGED CAGE, GASKET TYPE W/ SUS INNER SPRING FINGER			
ANGULAR TOL	± 1.0°					PRODUCT CUSTOMER DRAWING			
4 PLACES	±					DOCUMENT NUMBER			
3 PLACES	±					747683506			
2 PLACES	± 0.15					DOC TYPE			
1 PLACE	± 0.25					PSD			
0 PLACES	±					ASY			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
				D-SIZE	74768	SEE P/N TABLE		SHEET NUMBER	
								4 OF 7	

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

SEE NOTE 5

SEE NOTE 5

SEE NOTE 5

37.0 MAX.

34.60

30.10

25.60

21.10

16.60

12.10

7.60

6.94

5.44

3.10

0.00

3.10

7.60

10.60

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

52X Ø1.05 ±0.05

⊕ Ø0.10 M A K L

DATUM -A- IS THE TOP
SURFACE OF HOST BOARD

ARE DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

CROSSED HATCHED AREA DENOTES
WHERE SURFACE TRACES
ARE PERMITTED

6X Ø1.55 REF.

HOLE OF
ADJACENT CAGE

0.00

4.85

1.10

3.40

6.20

10.60

16.80

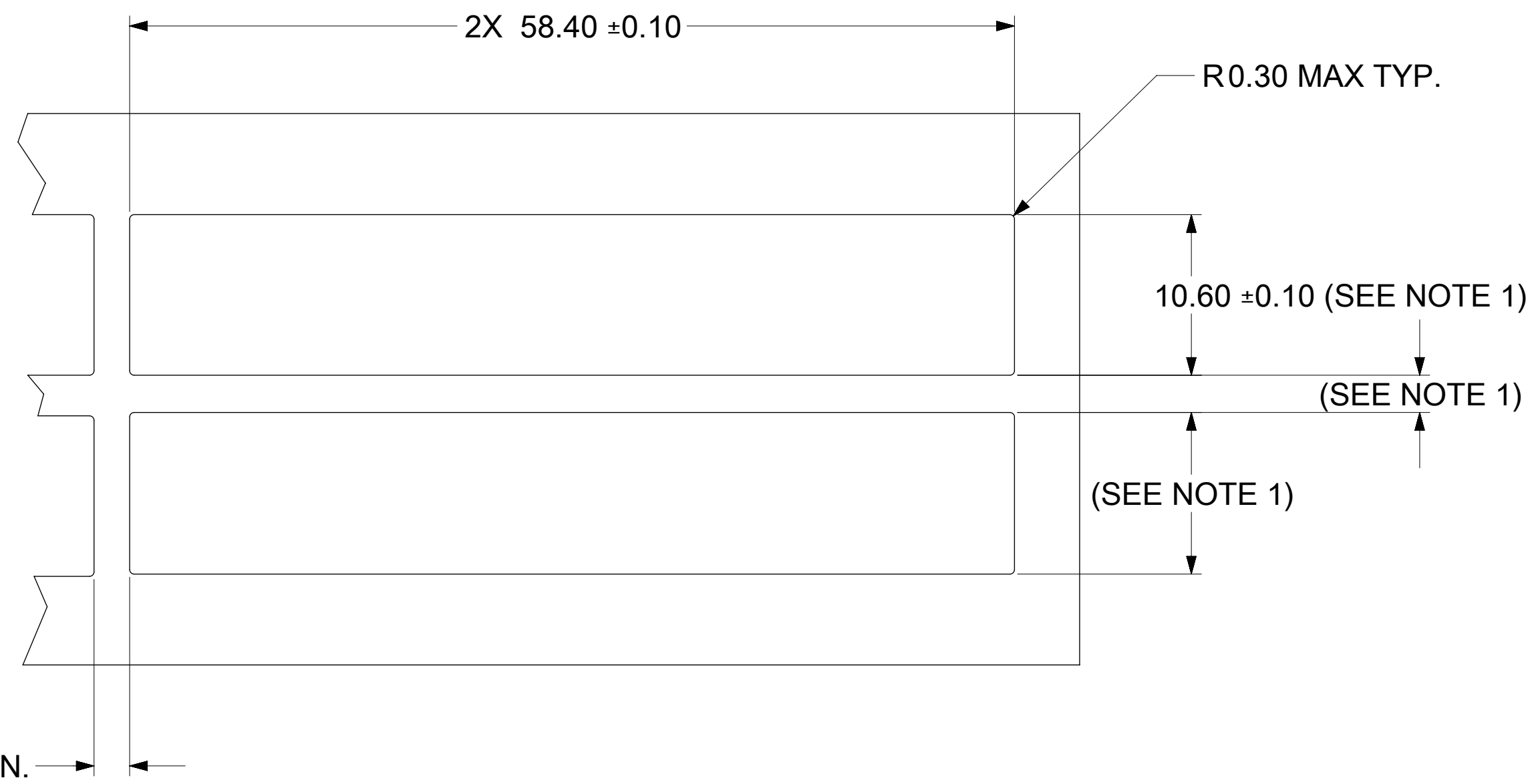
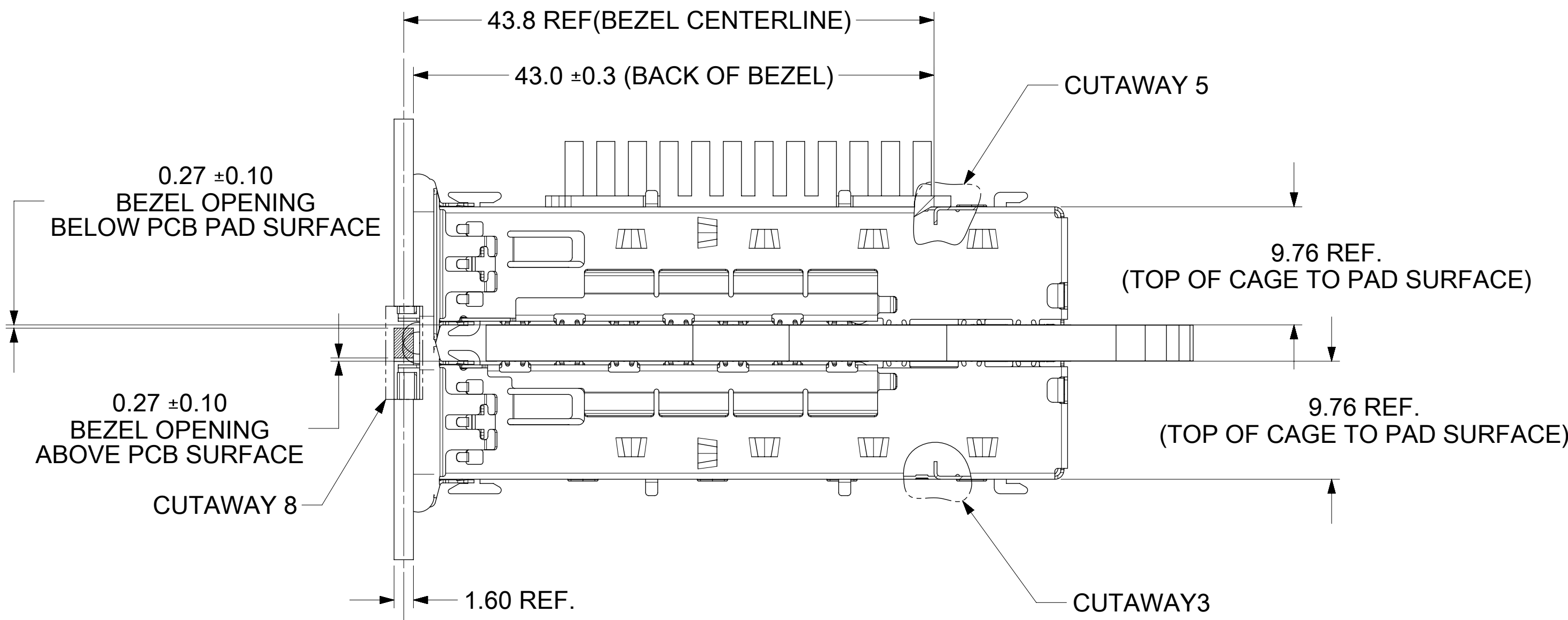
17.90

- NOTES:
- PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
 - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 - CONNECTOR PAD LAYOUT PER QSFP MSA WILL ACCOMODATE MOLEX CONNECTOR 75586-0010 OR 75586-0011.
 - BELLY TO BELLY BOARD THICKNESS:
NONIMAL: 2.90
MINIMUM: 2.48
 - SPACING BETWEEN PORTS IS 19.00

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex		
mm		4:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)								QSFP+ 1X3 GANGED CAGE, GASKET TYPE W/ SUS INNER SPRING FINGER		
ANGULAR TOL		±	1.0 °	EC NO: 744377				PRODUCT CUSTOMER DRAWING		
4 PLACES		±		DRWN: DKUMARG		2023/03/29		DOCUMENT NUMBER 747683506		
3 PLACES		±		CHK'D: AMRUTH		2023/03/30				
2 PLACES		±	0.15	APPR: TKUMARKC		2023/03/31				
1 PLACE		±	0.25	INITIAL REVISION:				DOC TYPE DOC PART REVISION		
0 PLACES		±		DRWN: CHETHH2		2022/05/25		PSD ASY A1		
				APPR: SCHIEN		2022/07/07				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
					D-SIZE	74768	SEE P/N TABLE			5 OF 7

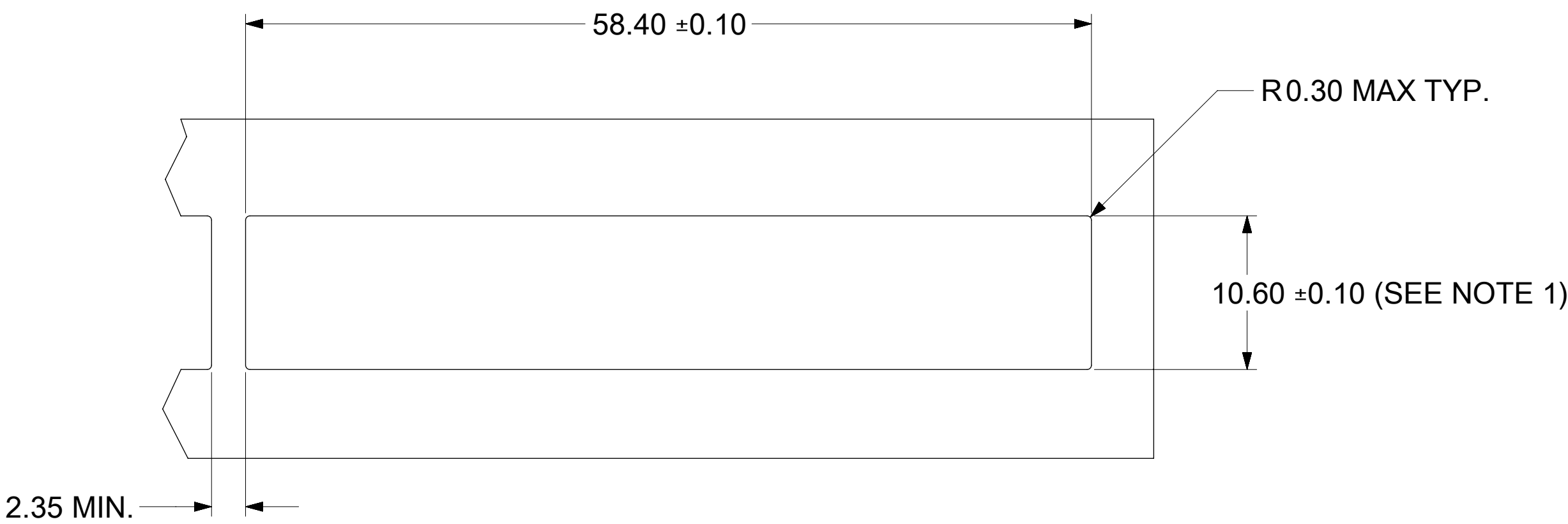
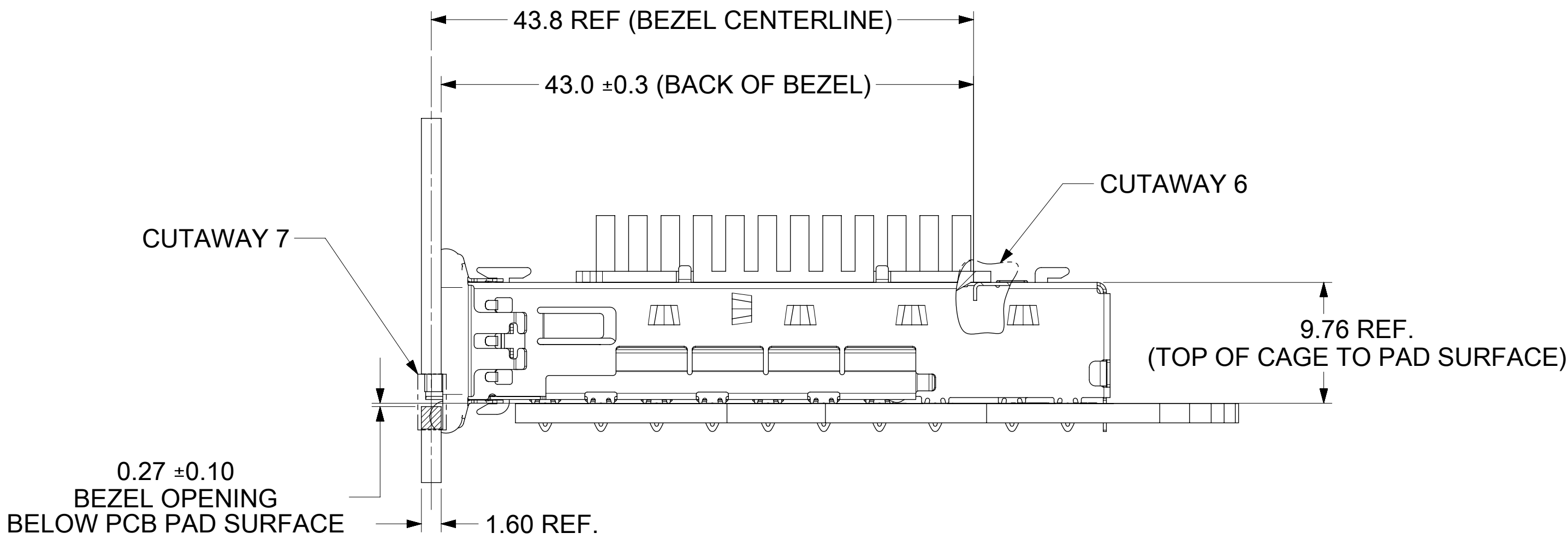
DOCUMENT STATUS	P1	RELEASE DATE	2023/03/31	10:58:52
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BOARD AND BEZEL POSITION DIMENSIONS
FOR BELLY TO BELLY MOUNTING



NOTES:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING
BEZEL OPENING, SIZE AND LOCATION.

BOARD AND BEZEL POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



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DIMENSION UNITS		SCALE	CURRENT REV DESC:					molex			
mm		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 744377 DRWN: DKUMARG 2023/03/29 CHK'D: AMRUTH 2023/03/30 APPR: TKUMARKC 2023/03/31 INITIAL REVISION: DRWN: CHETHH2 2022/05/25 APPR: SCHIEN 2022/07/07					QSFP+ 1X3 GANGED CAGE, GASKET TYPE W/ SUS INNER SPRING FINGER			
ANGULAR TOL	±	1.0°						PRODUCT CUSTOMER DRAWING			
4 PLACES	±										
3 PLACES	±										
2 PLACES	±	0.15									
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	74768	SEE P/N TABLE				6 OF 7	

M	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	M
L																					L
K																					K
J																					J
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

REV	DATE	DESCRIPTION
A	2022/06/25	INITIAL RELEASE
A1	2023/03/29	UPDATED ALL THE VIEWS

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mm		1:1											
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ANGULAR TOL ± 1.0 °													
4 PLACES ±													
3 PLACES ±				EC NO: 744377				QSFP+ 1X3 GANGED CAGE, GASKET TYPE W/ SUS INNER SPRING FINGER					
2 PLACES ± 0.15				DRWN: DKUMARG 2023/03/29									
1 PLACE ± 0.25				CHK'D: AMRUTH 2023/03/30									
0 PLACES ±				APPR: TKUMARKC 2023/03/31				PRODUCT CUSTOMER DRAWING					
INITIAL REVISION:				DOCUMENT NUMBER 747683506				DOC TYPE	DOC PART	REVISION			
DRWN: CHETHH2 2022/05/25								PSD	ASY	A1			
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DOCUMENT STATUS	P1	RELEASE DATE	2023/03/31	10:58:52
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