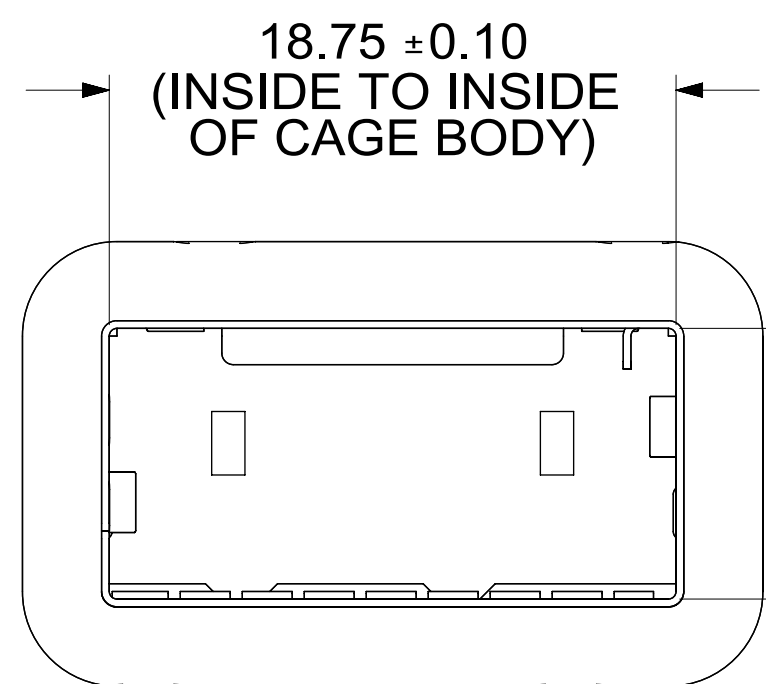
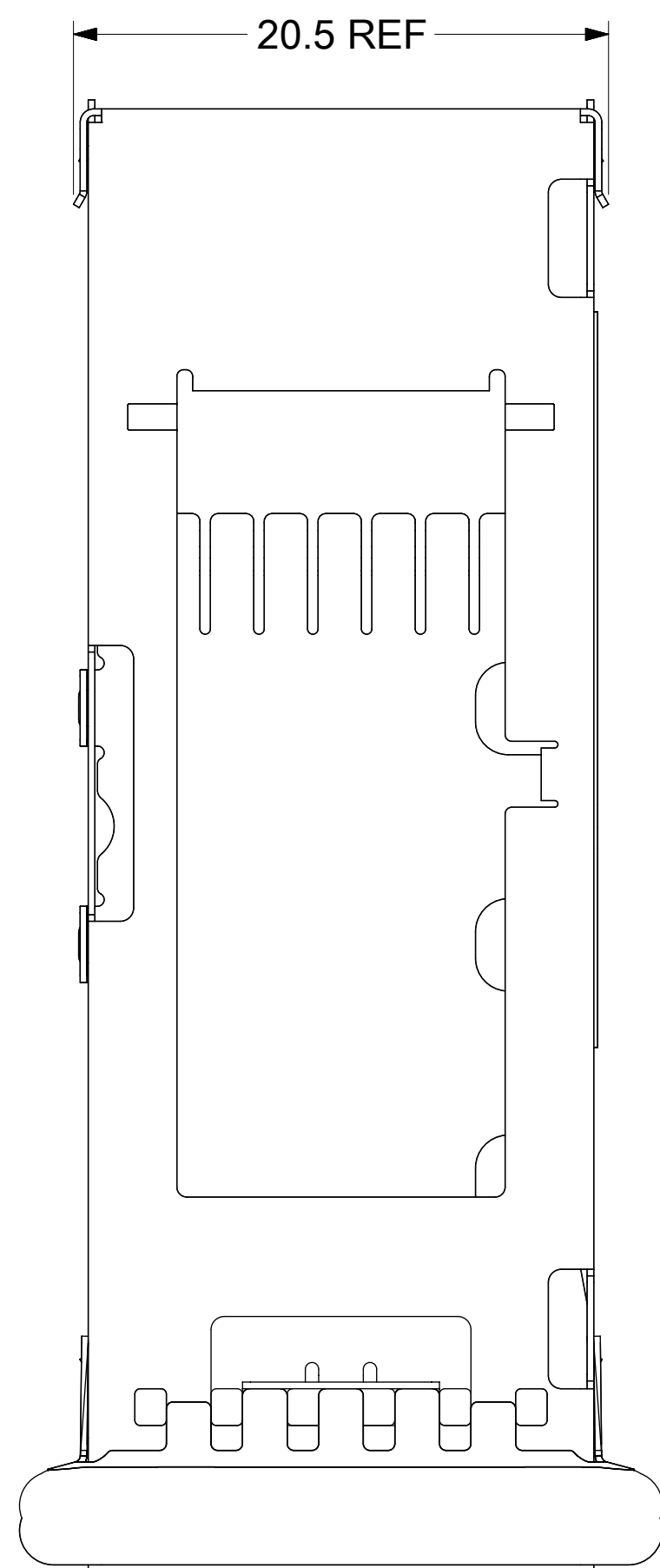
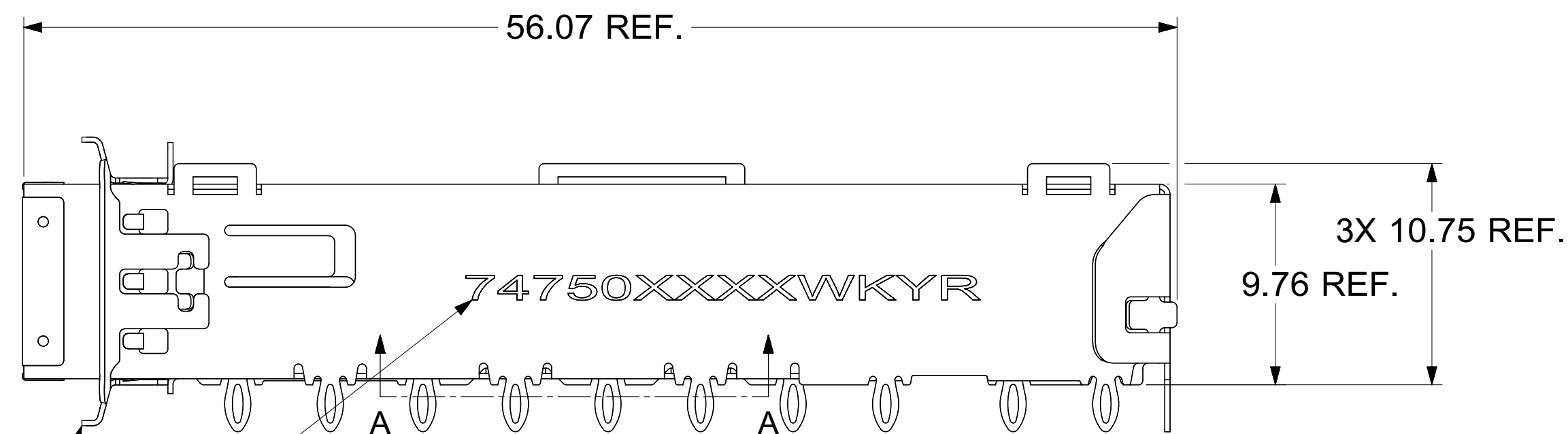
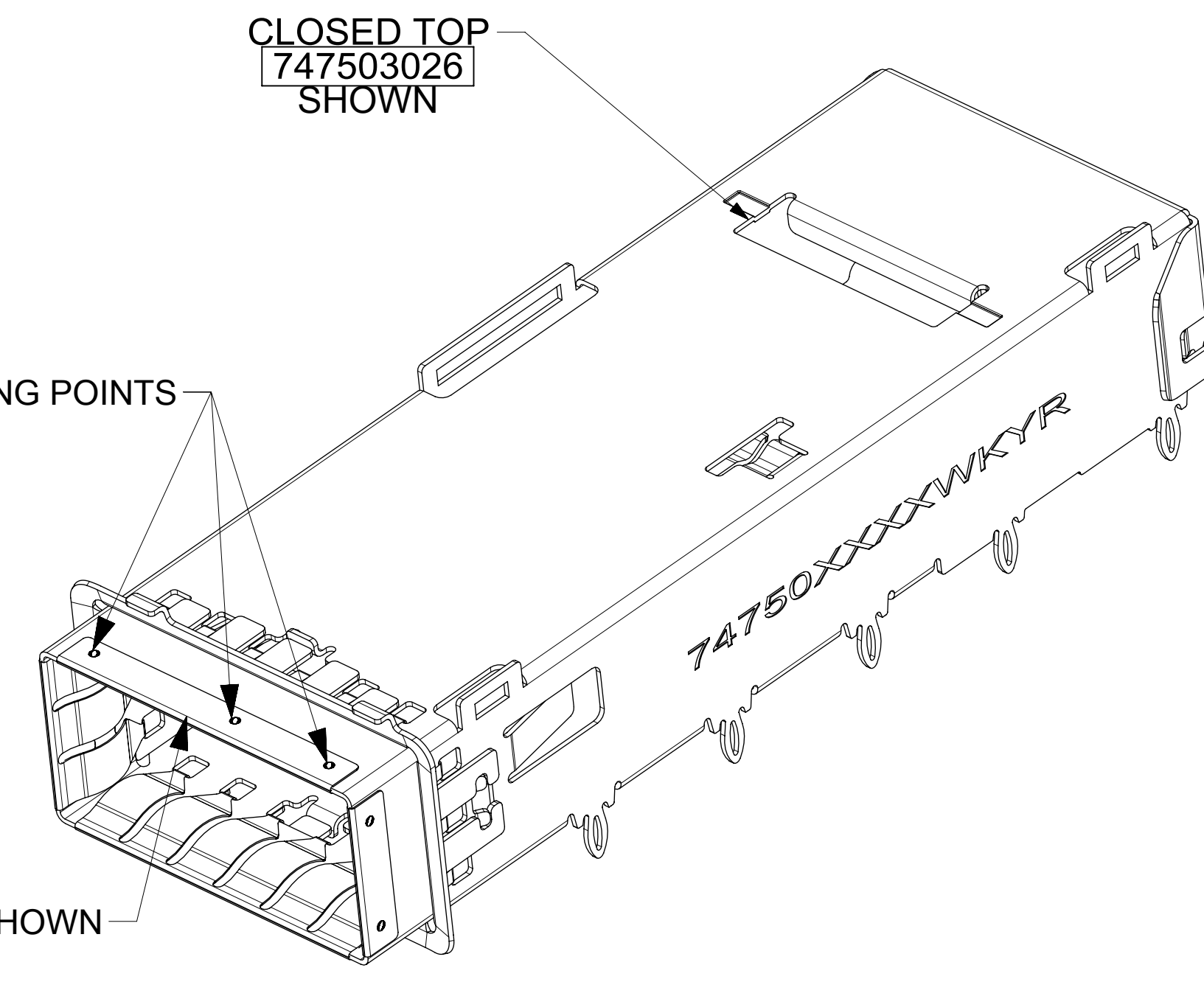
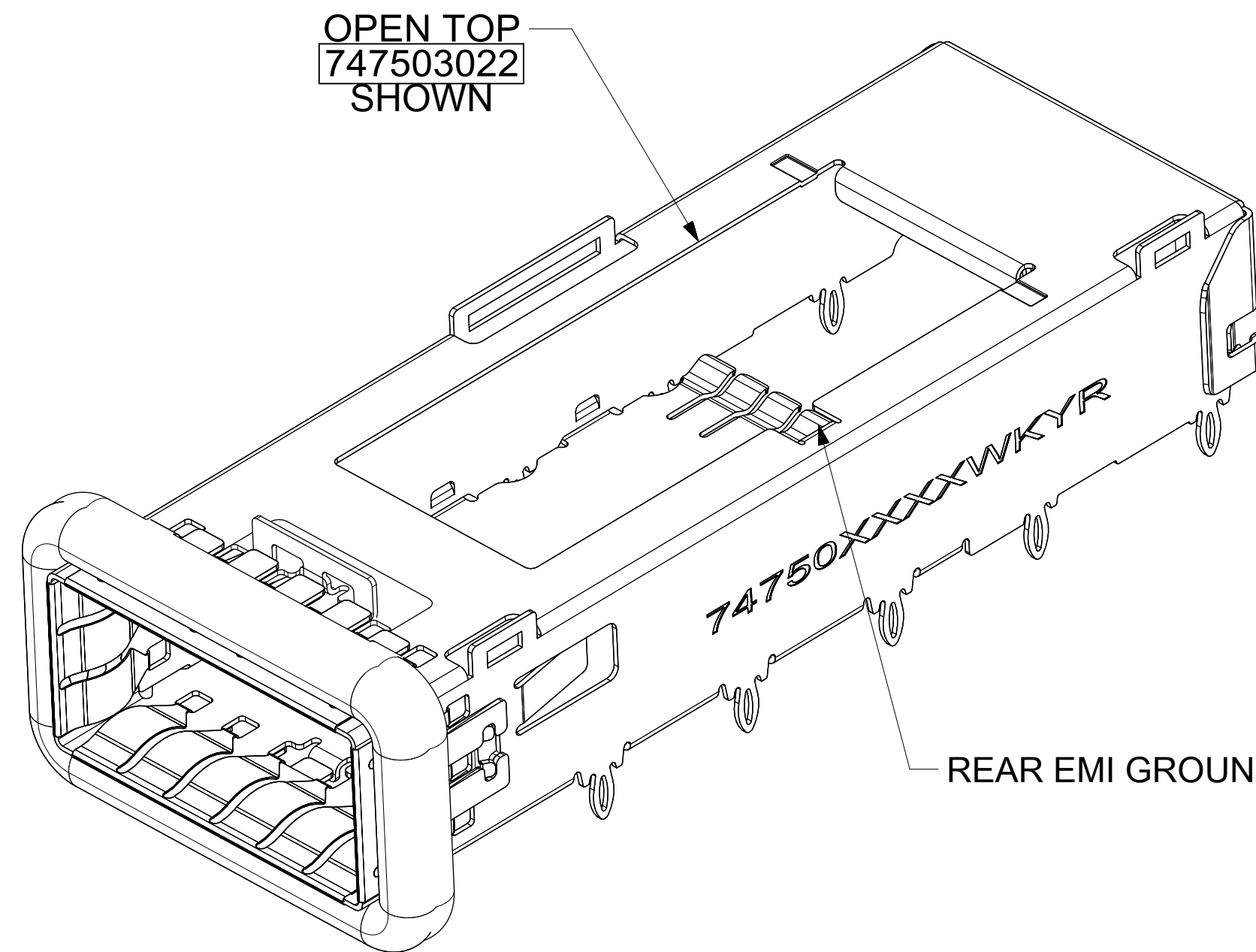


# CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

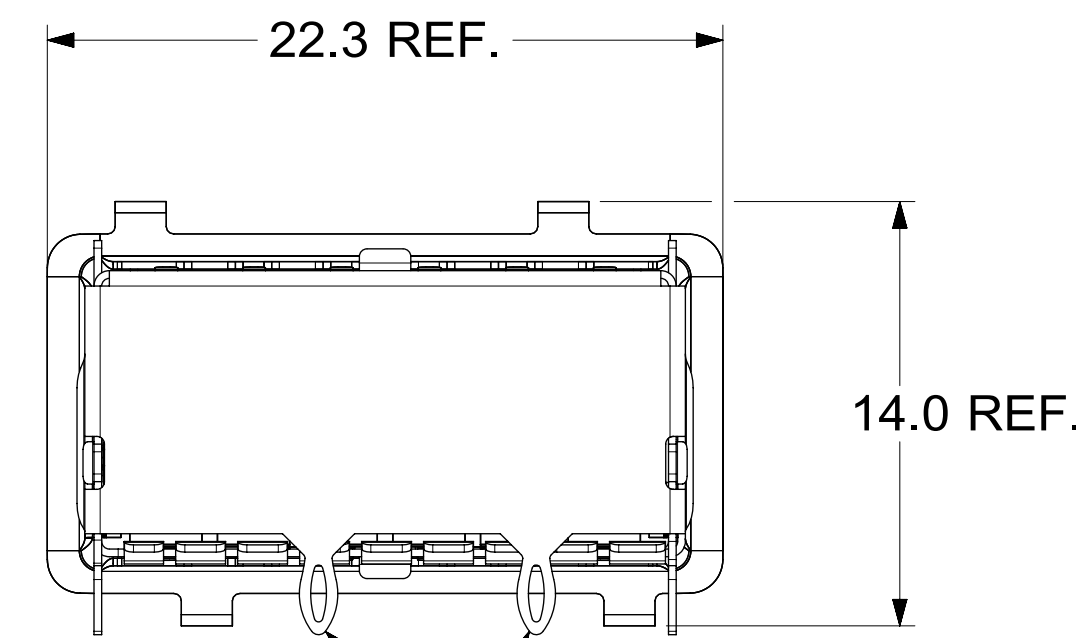


NOTE:  
INTERNAL SPRING FINGERS  
REMOVED FROM THIS VIEW FOR CLARITY.



GASKET NOT SHOWN  
FOR CLARITY

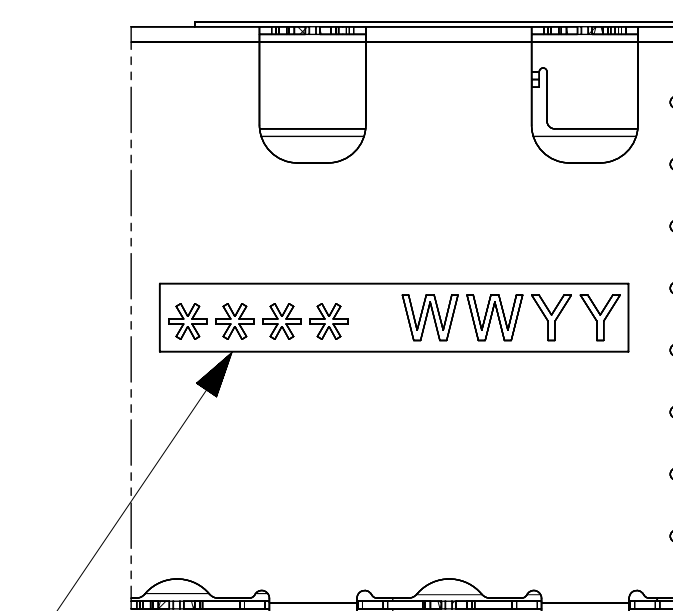
PN/DATE CODE TO BE PRINTED ON THE SIDE OF  
COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.  
SEE TABLE BELOW FOR DATE CODE INFORMATION.



REAR PINS ARE OPTIONAL  
(SEE CHART)

NOTE:  
GASKET REMOVED FROM THIS  
VIEW FOR CLARITY.

WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR)
YR	22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22)



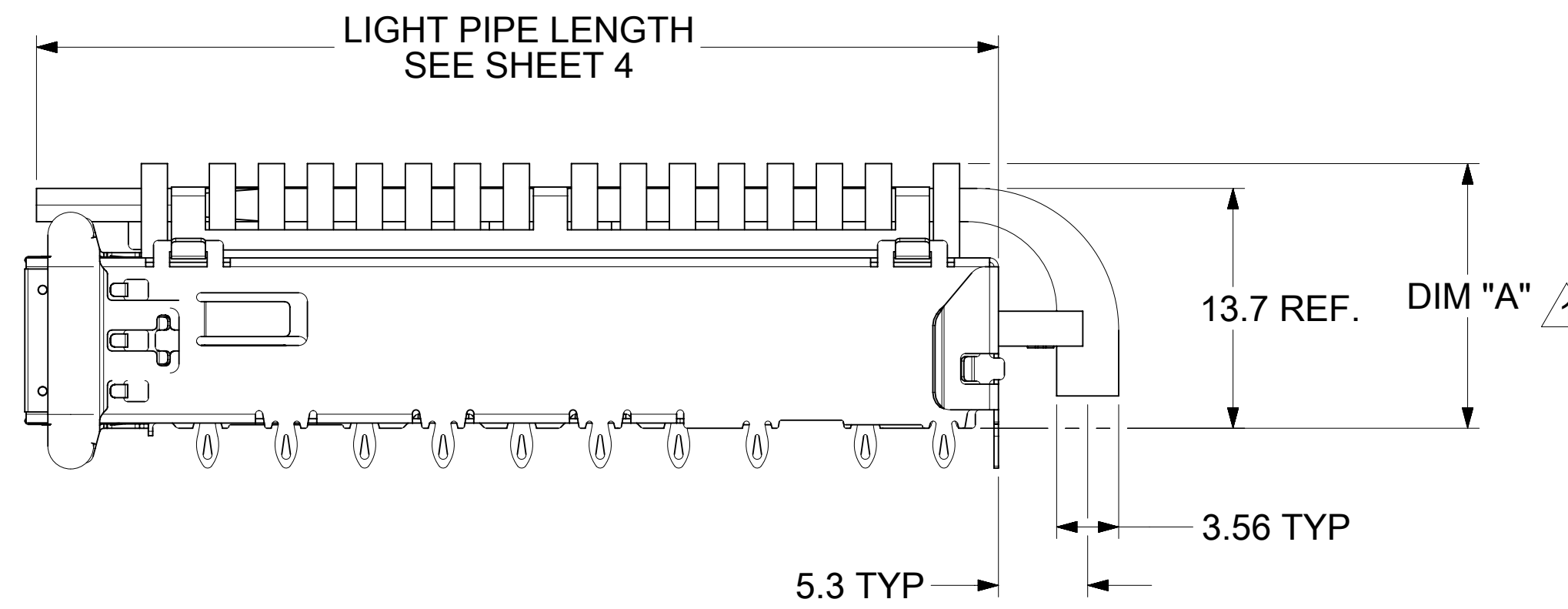
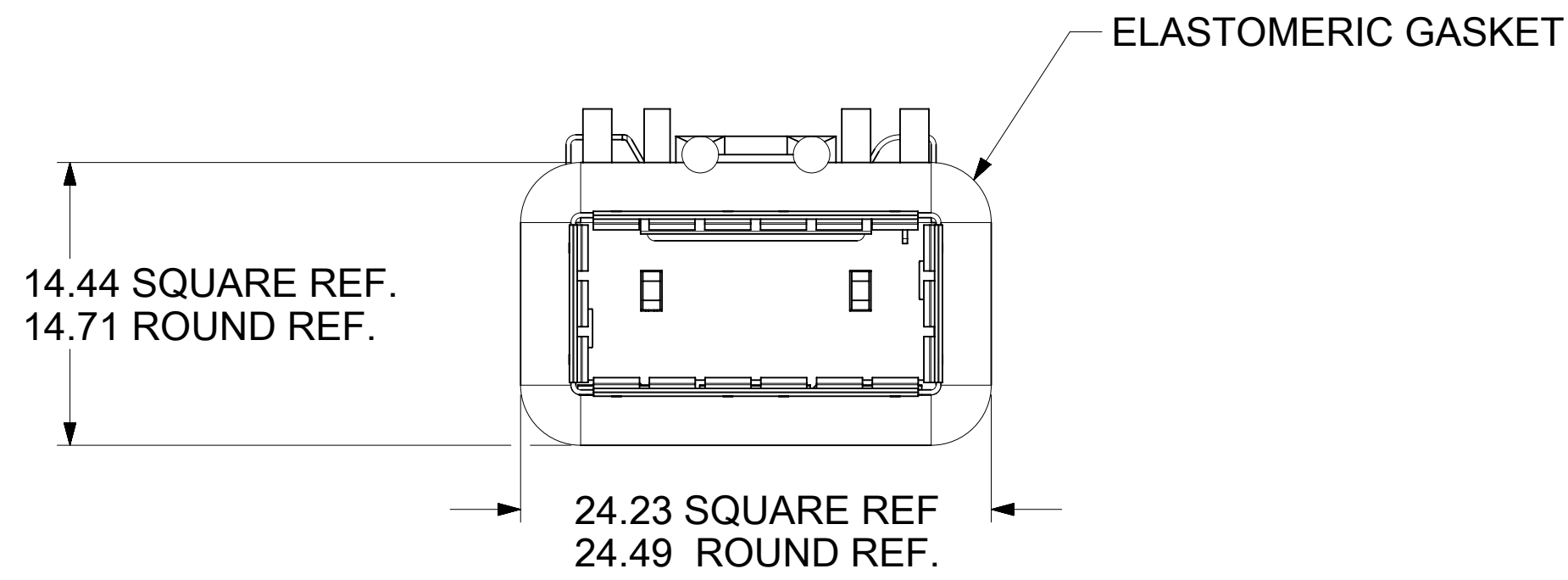
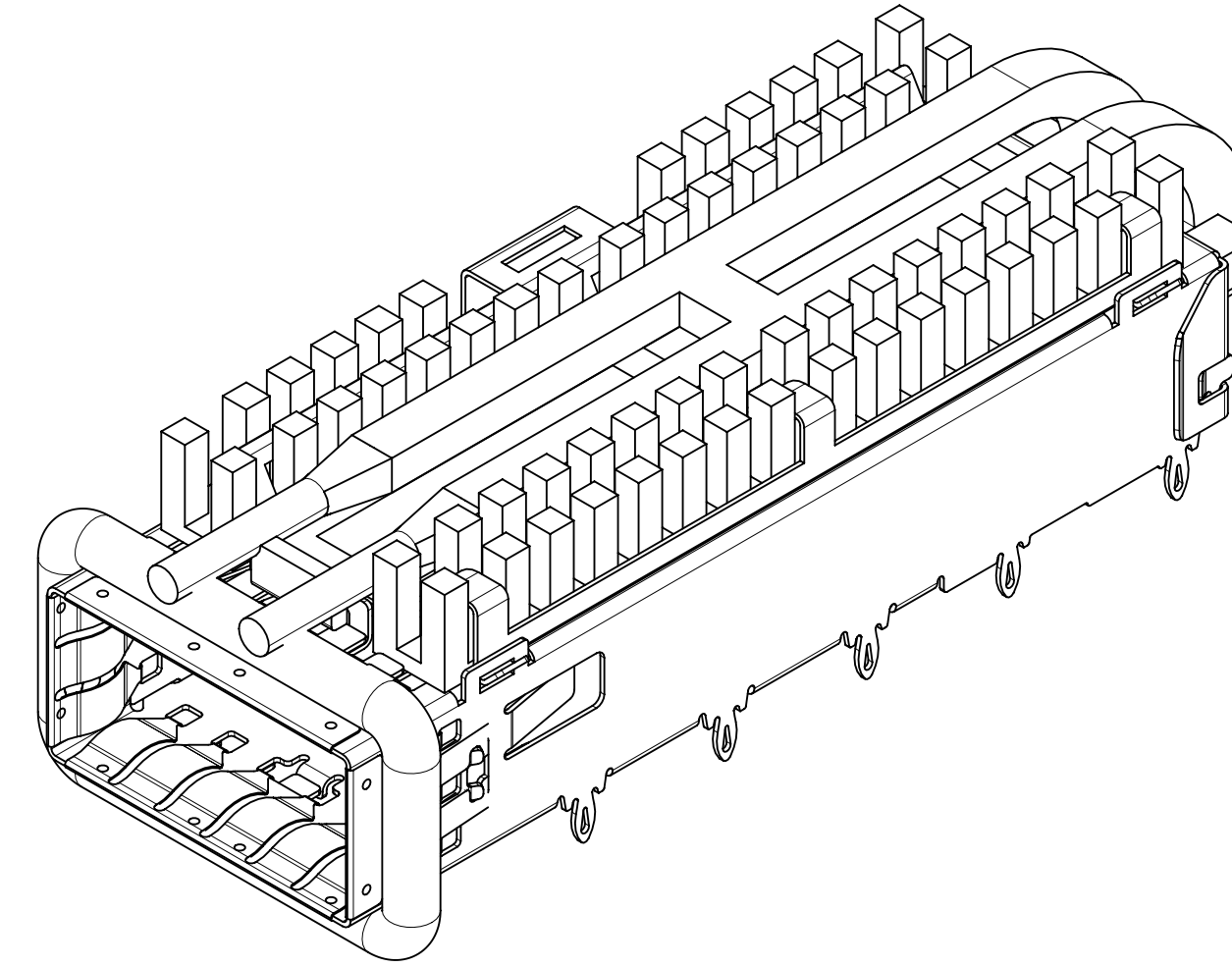
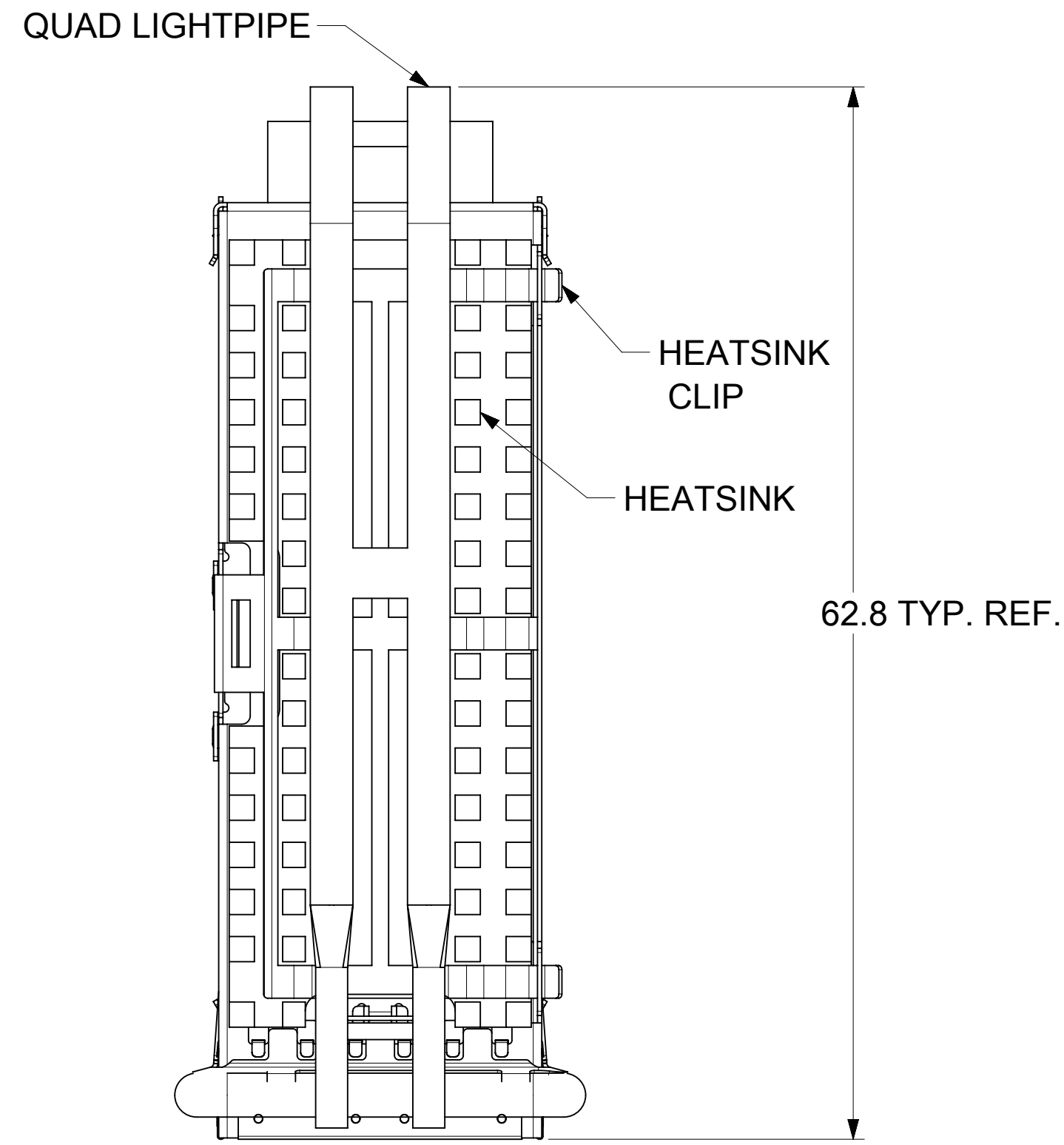
MOLEX INTERNAL USE

## SECTION A-A

- NOTES:
- PRESS FIT LEGS 2.28mm LONG
  - MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED  
SPRING FINGERS: STAINLESS STEEL  
LIGHT PIPE/HEAT SINK CLIP: STAINLESS STEEL  
LIGHT PIPES: POLYCARBONATE (UL 94-V0 RATED)  
HEATSINKS: ALUMINUM (BLACK ANNOXIDIZED)  
ELASTOMERIC GASKET: SILICON, COLOR BLACK
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST
  - QSFP+ ASSEMBLES ALSO AVAILABLE IN 1X2 (74767 SERIES),  
1X3 (74768 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES).
  - PACKAGED IN TRAYS.
  - NO RoHS EXEMPTIONS.
  - 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:							
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623		2022/05/27		QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)			
ANGULAR TOL ± 1.0°				DRWN: PKH		2022/06/29					
4 PLACES ±				CHK'D: DKUMARG		2022/07/07		PRODUCT CUSTOMER DRAWING			
3 PLACES ±				APPR: SCHIEN				DOCUMENT NUMBER			
2 PLACES ± 0.13				INITIAL REVISION:				747503022		PSD ASY A	
1 PLACE ± 0.25				DRWN: PKH		2022/05/27		MATERIAL NUMBER		CUSTOMER	
0 PLACES ±				APPR: SCHIEN		2022/07/07		SEE SHEET 4		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		1 OF 9	
				D-SIZE		74750					

# CAGE ASSEMBLY OPTIONS

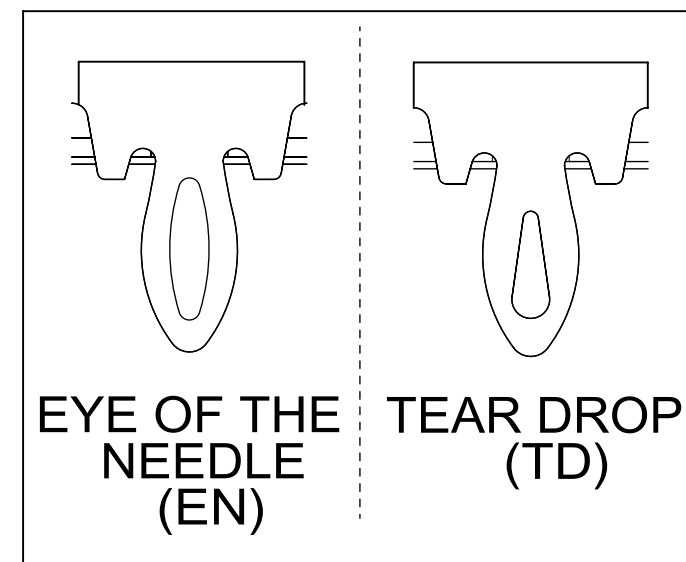


## HEATSINK HEIGHT OPTIONS

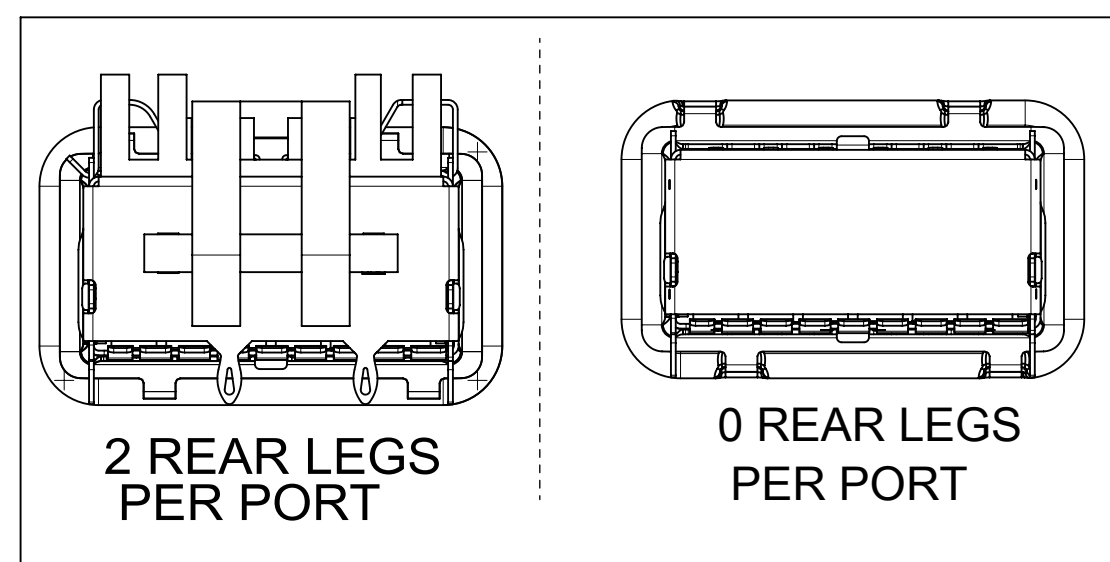
OVERALL HEATSINK HEIGHT	DIM 'A'	TOL
PCI	13.7	+0.25
SAN	16.0	
NET	23.0	-0.73
CUSTOM	21.0	

<sup>1</sup> HEIGHT OF HEATSINK WITH MODULE INSERTED. DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

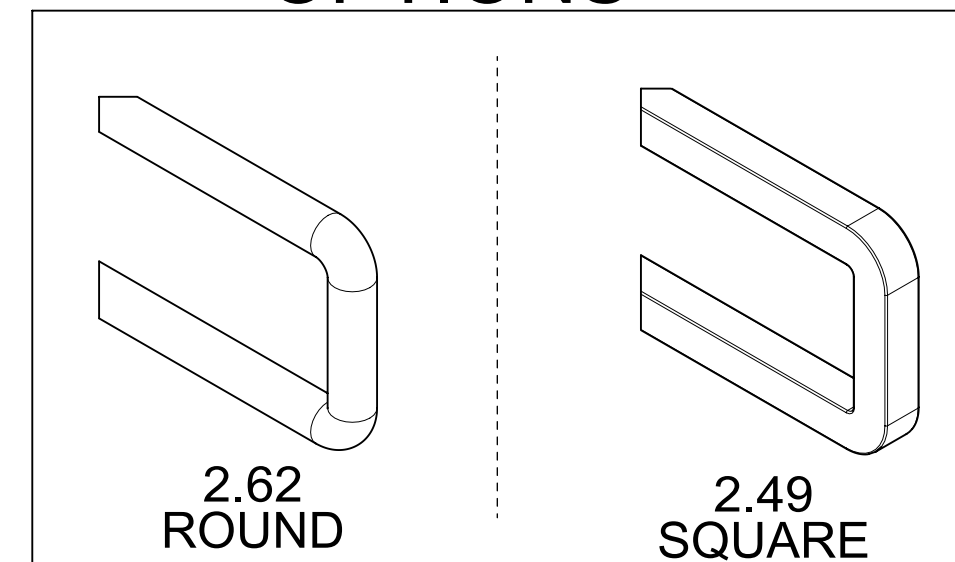
## LEG OPTIONS



## 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:	
mm	3:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 712623	
ANGULAR TOL	± 1.0°	DRWN: PKH	2022/05/27
4 PLACES	±	CHK'D: DKUMARG	2022/06/29
3 PLACES	±	APPR: SCHIEN	2022/07/07
2 PLACES	± 0.13	INITIAL REVISION:	
1 PLACE	± 0.25	DRWN: PKH	2022/05/27
0 PLACES	±	APPR: SCHIEN	2022/07/07
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			D-SIZE
		SERIES	74750
		MATERIAL NUMBER	SEE SHEET 4
		CUSTOMER	
		SHEET NUMBER	2 OF 9

QSFP+ 1X1 CAGE ASSEMBLY  
W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: **747503022**

DOC TYPE: PSD ASY A

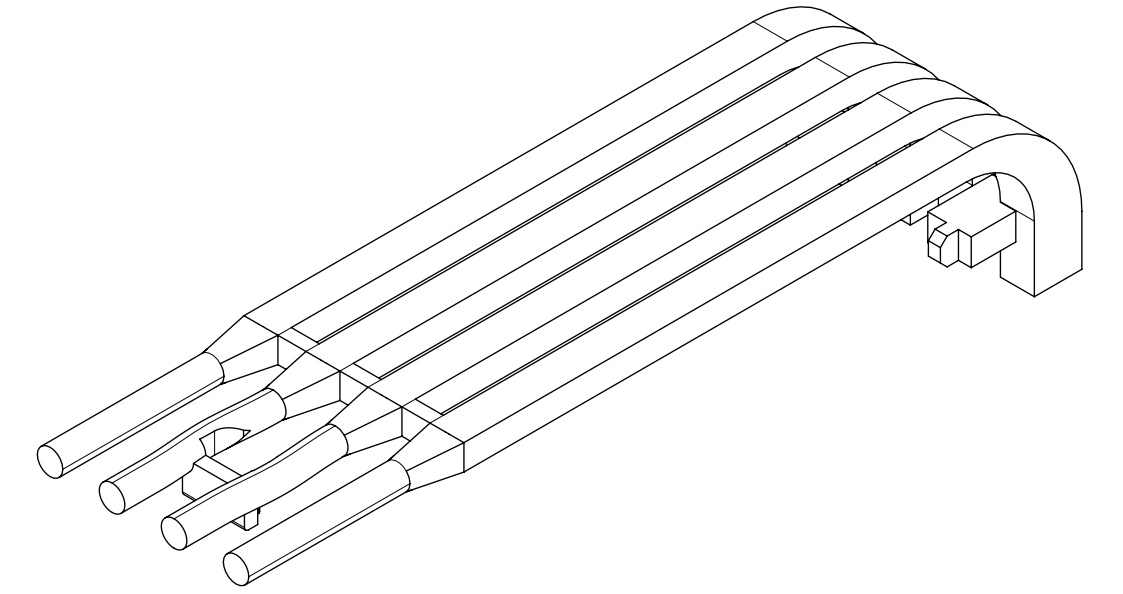
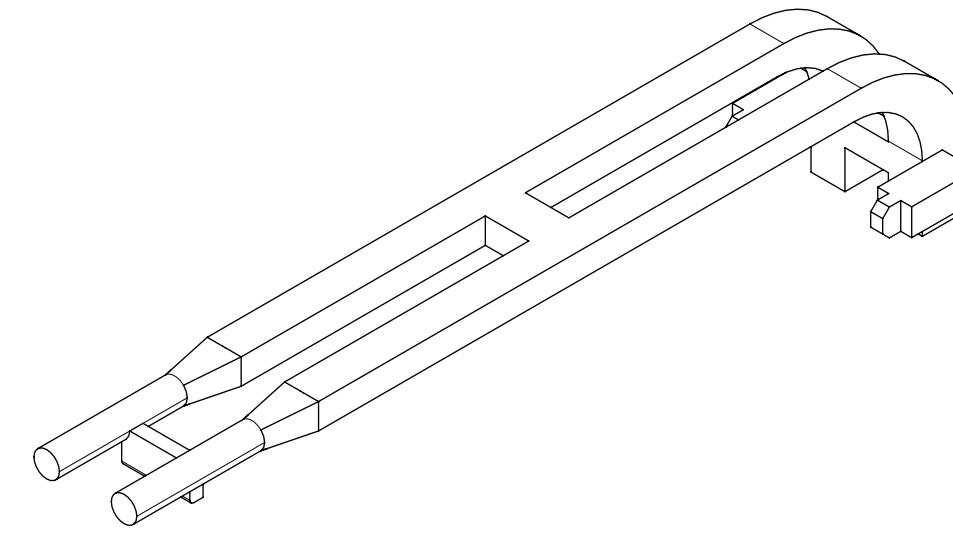
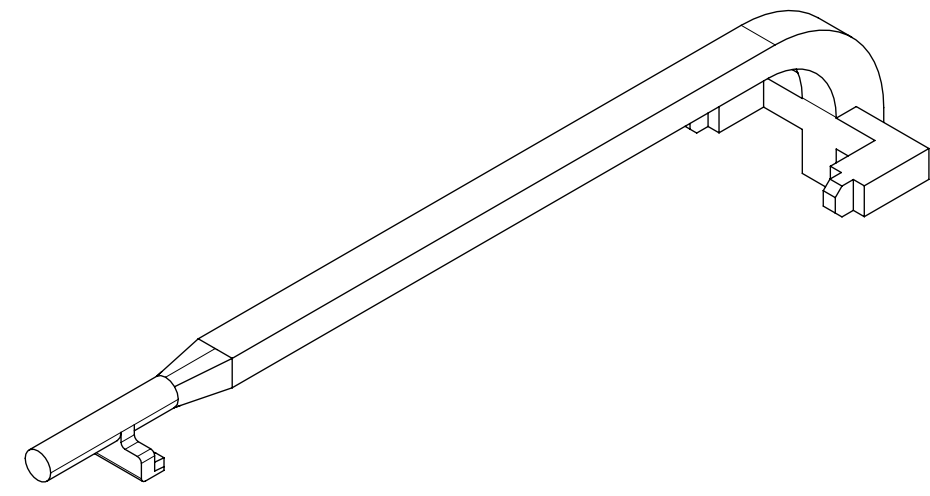
# HEATSINK AND LIGHT PIPE OPTIONS

HEATSINK ONLY

SINGLE LIGHT PIPE

DUAL LIGHT PIPE

QUAD LIGHT PIPE

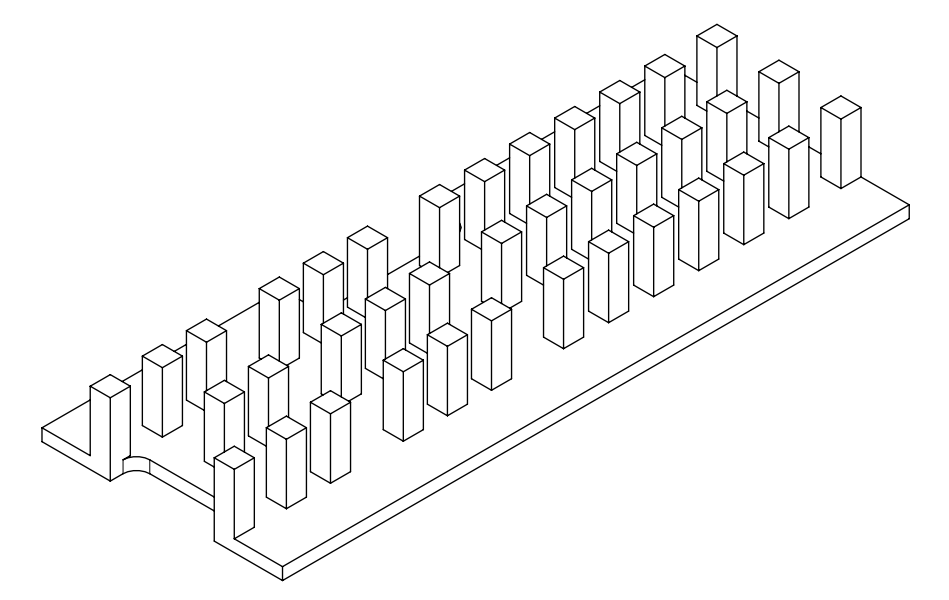
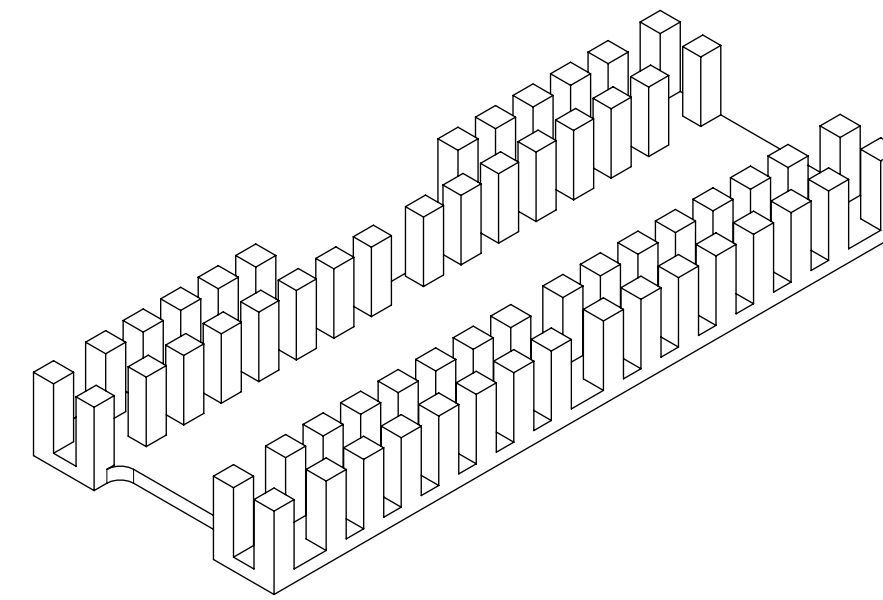
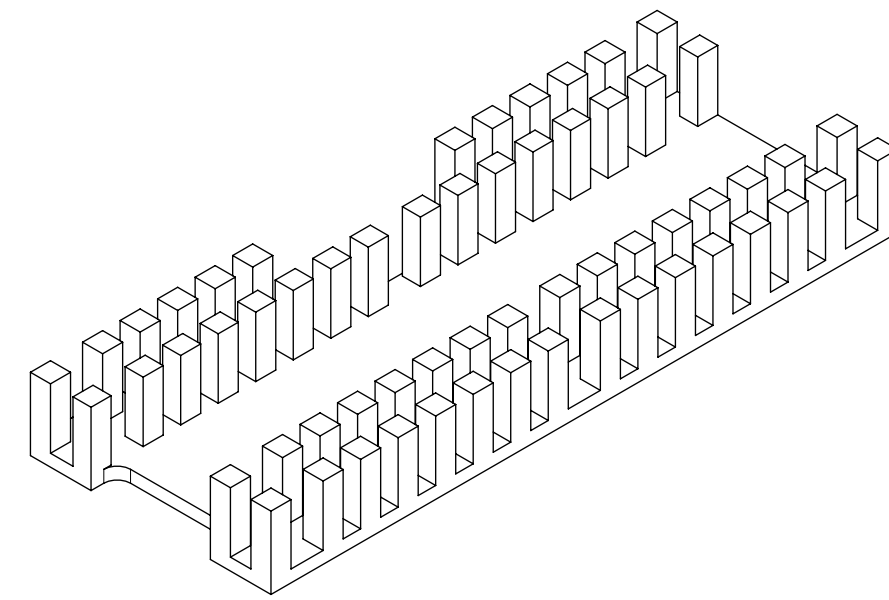
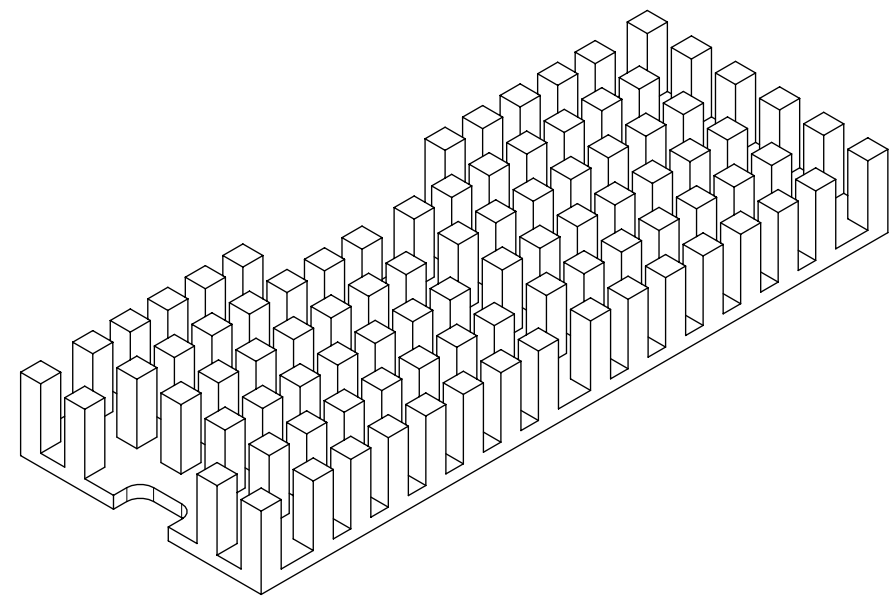


PIN FIELD HEATSINK FOR NO LIGHT PIPE

PIN FIELD HEATSINK FOR SINGLE LIGHT PIPE

PIN FIELD HEATSINK FOR DUAL LIGHT PIPE

PIN FIELD HEATSINK FOR QUAD LIGHT PIPE

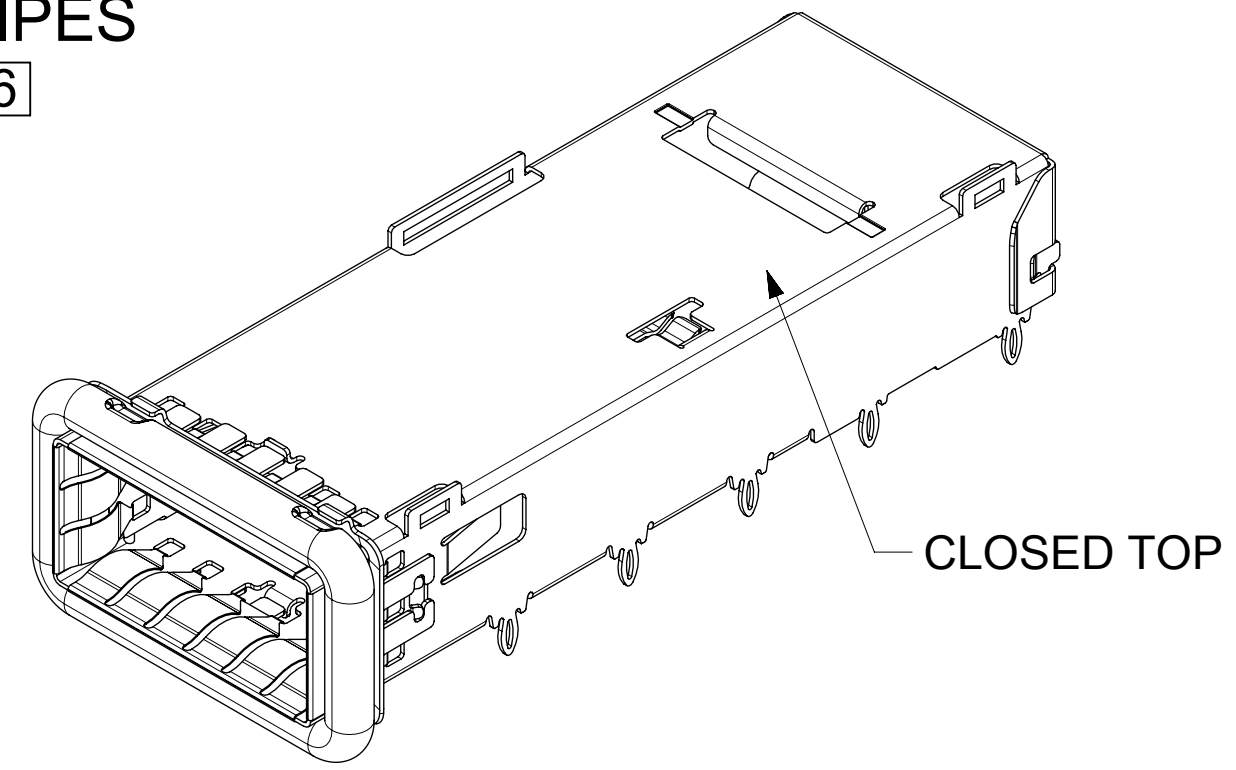


NOTES:  
 1. MATERIALS:  
 LIGHT PIPE: LEXAN 940A  
 HEATSINK: ALUMINUM (BLACK ANNOXIDIZED)

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:							
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623							
ANGULAR TOL ± 1.0°				DRWN: PKH 2022/05/27							
4 PLACES ±				CHK'D: DKUMARG 2022/06/29							
3 PLACES ±				APPR: SCHIEN 2022/07/07							
2 PLACES ± 0.13				INITIAL REVISION:							
1 PLACE ± 0.25				DRWN: PKH 2022/05/27							
0 PLACES ±				APPR: SCHIEN 2022/07/07							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES			
						D-SIZE		74750			
DOCUMENT STATUS				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
P1				747503022		PSD		ASY		A	
RELEASE DATE				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
2022/07/07 13:29:38				SEE SHEET 4				3 OF 9			

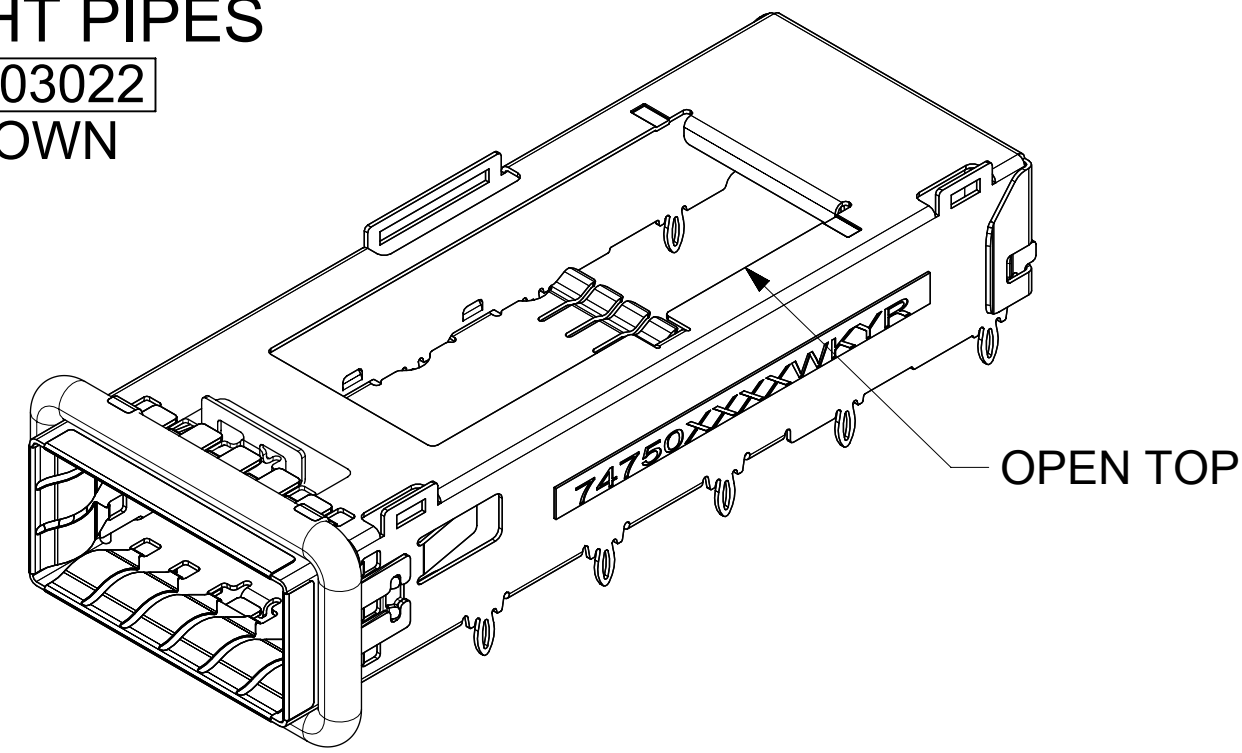
# PART NUMBER SELECTION

NO HEATSINKS  
NO LIGHT PIPES  
747503026  
SHOWN



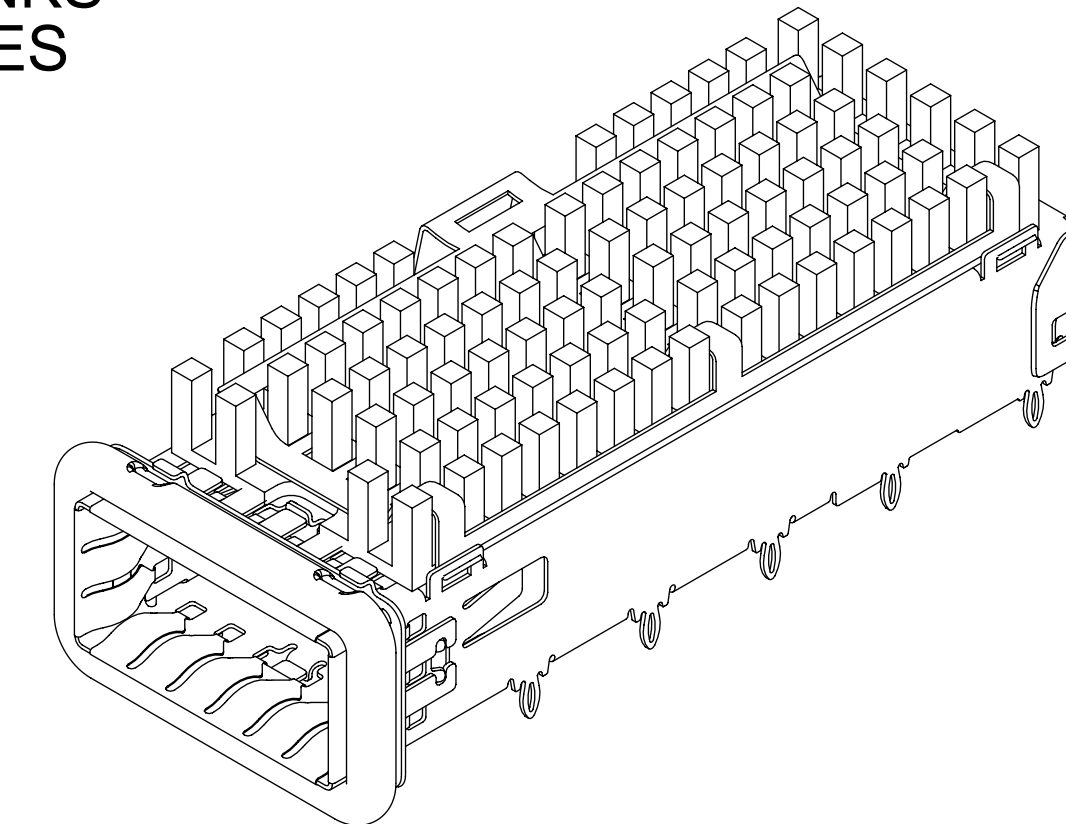
MOLEX P/N		LEG TYPE	# OF REAR LEGS PER PORT
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET		
747503026	---	EN	2

NO HEATSINKS  
NO LIGHT PIPES  
747503022  
SHOWN



MOLEX P/N		LEG TYPE	# OF REAR LEGS PER PORT
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET		
747503022	---	EN	2
747503025	---	EN	-
747503094	---	EN	2
747503200	---	TD	2

WITH HEATSINKS  
NO LIGHT PIPES  
747503041  
SHOWN

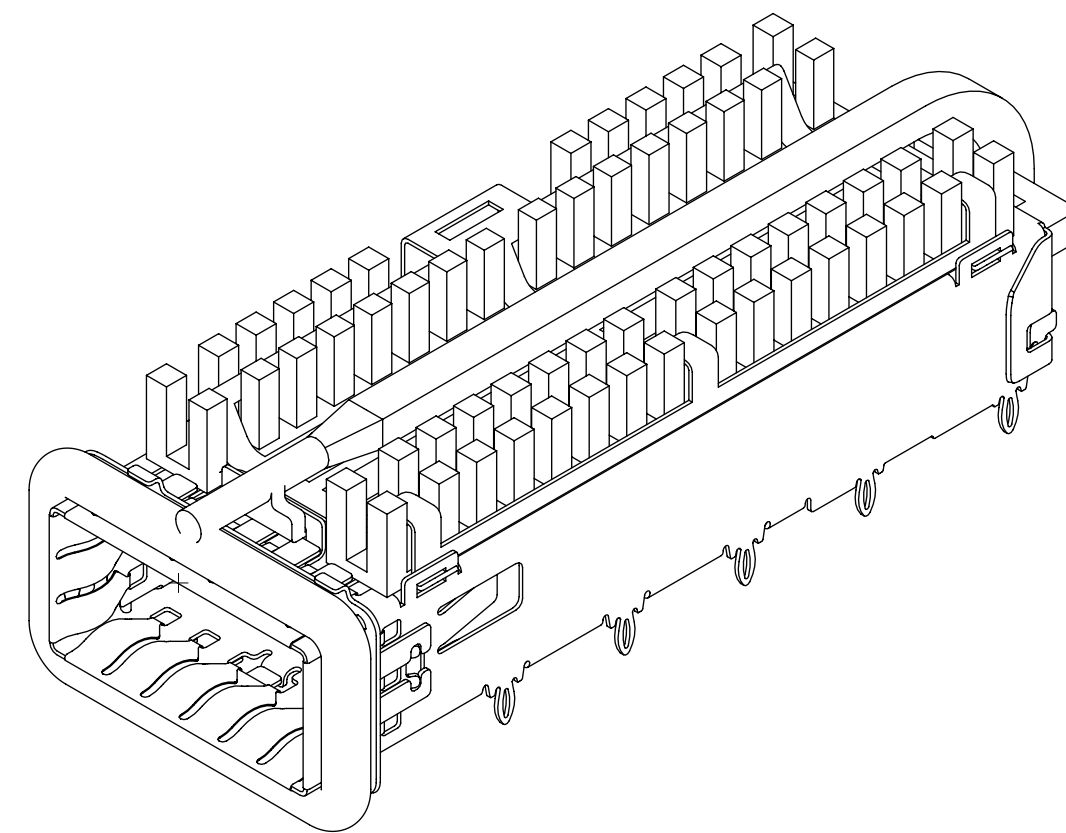


MOLEX P/N		HEAT-SINKS	LEG TYPE	# OF REAR LEGS PER PORT
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET			
747503041	---	SAN	EN	2
747503047	---	NET	EN	2
747503048	---	CUSTOM	EN	2
747503242	---	PCI	TD	2

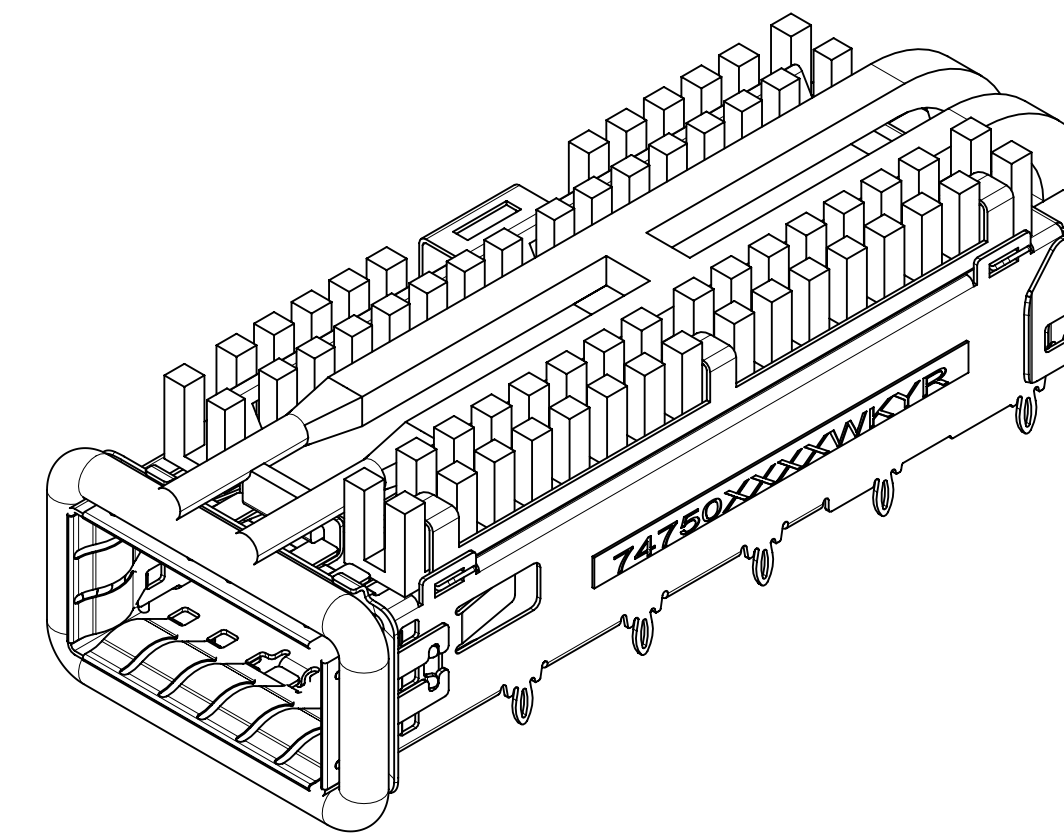
## WITH OR WITHOUT HEATSINKS AND LIGHT PIPES

MOLEX P/N		LIGHT PIPES	HEAT-SINKS	LEG TYPE	# OF REAR LEGS PER PORT	LIGHT PIPE LENGTH
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET					
747503070	---	SINGLE	SAN	EN	2	55.0
747503072	---	DUAL	SAN	EN	2	
747503073	---	DUAL	NET	EN	2	
747503571	---	QUAD	SAN	EN	2	55.0
747503577	---	DUAL	SAN	TD	2	
747503578	---	DUAL	NET	TD	2	

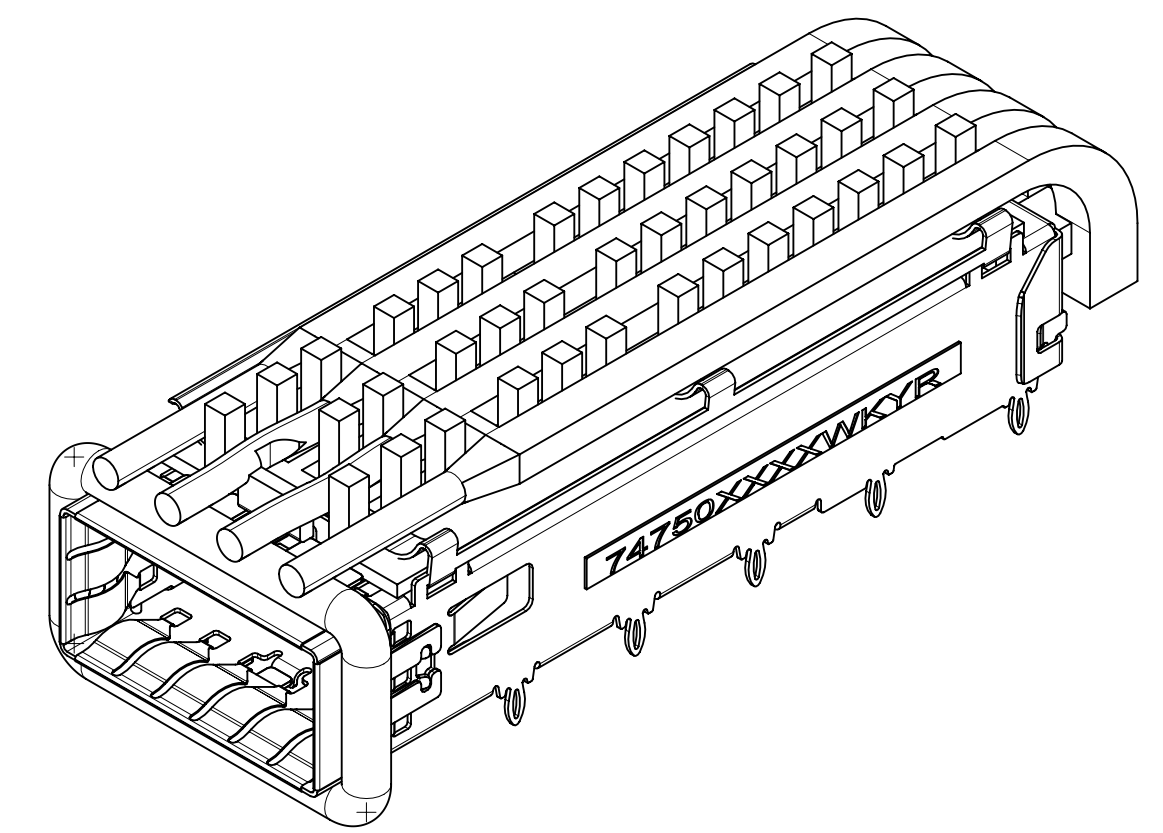
SINGLE LIGHT PIPE  
747503070  
SHOWN



DUAL LIGHT PIPES  
747503072  
SHOWN



QUAD LIGHT PIPES  
747503571  
SHOWN



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:							
mm	2.5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0°								
4 PLACES	±	EC NO: 712623							
3 PLACES	±	DRWN: PKH 2022/05/27							
2 PLACES	± 0.13	CHK'D: DKUMARG 2022/06/29							
1 PLACE	± 0.25	APPR: SCHIEN 2022/07/07							
0 PLACES	±	INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
		D-SIZE		74750		SEE P/N TABLE		CUSTOMER	
DOCUMENT STATUS		P1		RELEASE DATE		2022/07/07 13:29:38		SHEET NUMBER	
								4 OF 9	

**molex**

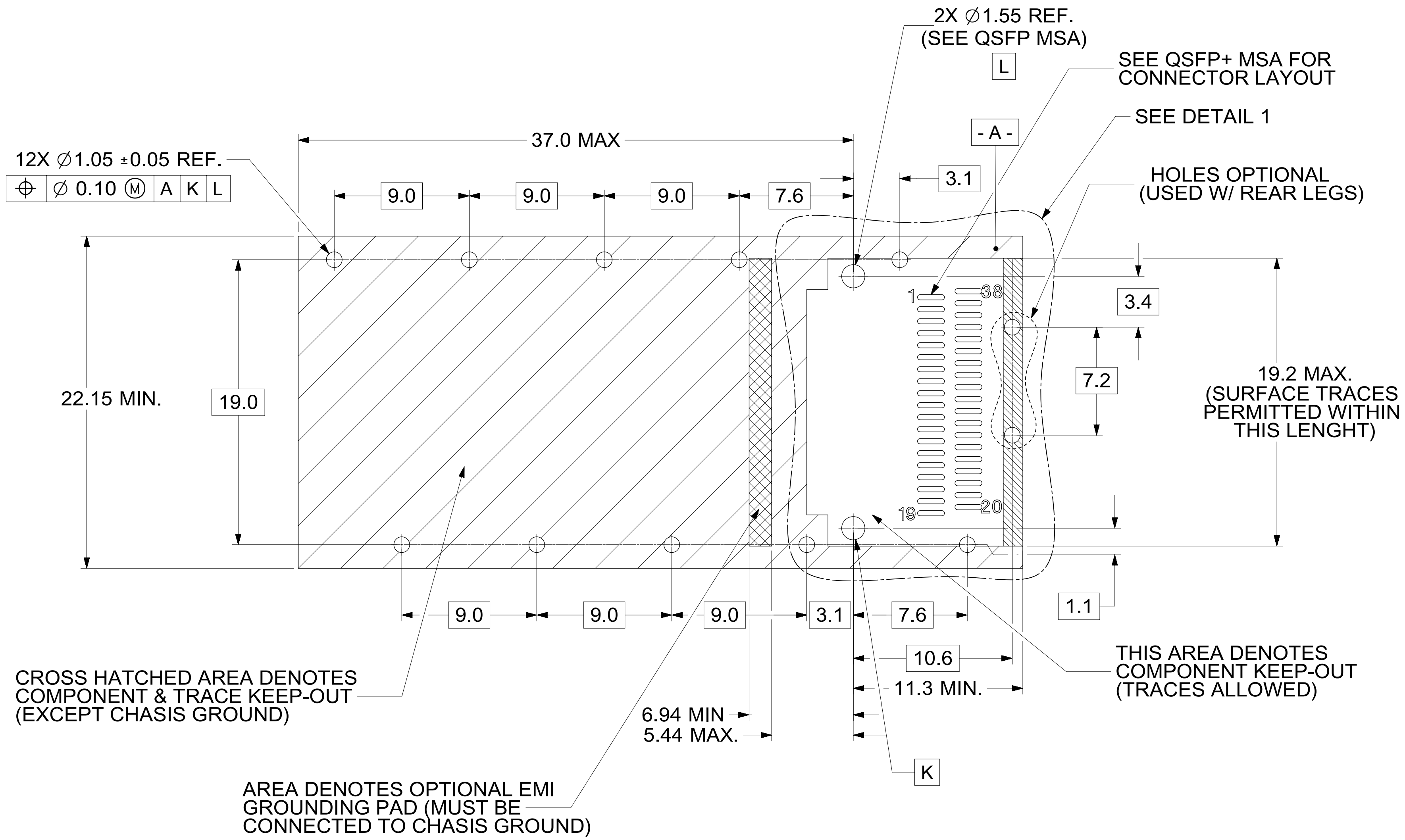
QSFP+ 1X1 CAGE ASSEMBLY  
W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 747503022  
DOC TYPE: PSD  
DOC PART: ASY  
REVISION: A

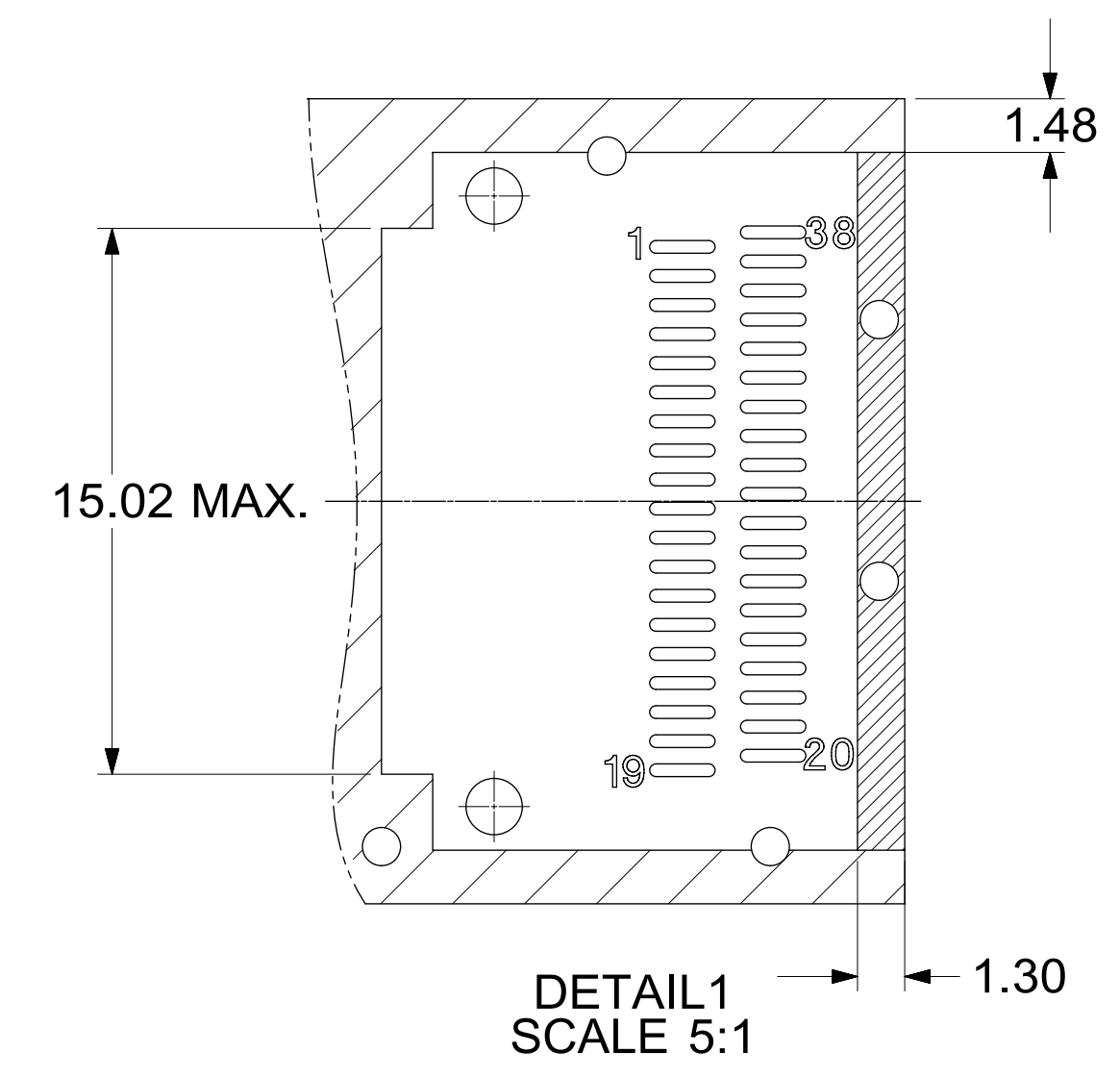
NOTE:  
1. LEG TYPE:  
EN - EYE OF THE NEEDLE  
TD - TEAR DROP

# PCB LAYOUT FOR SINGLE SIDED APPLICATIONS

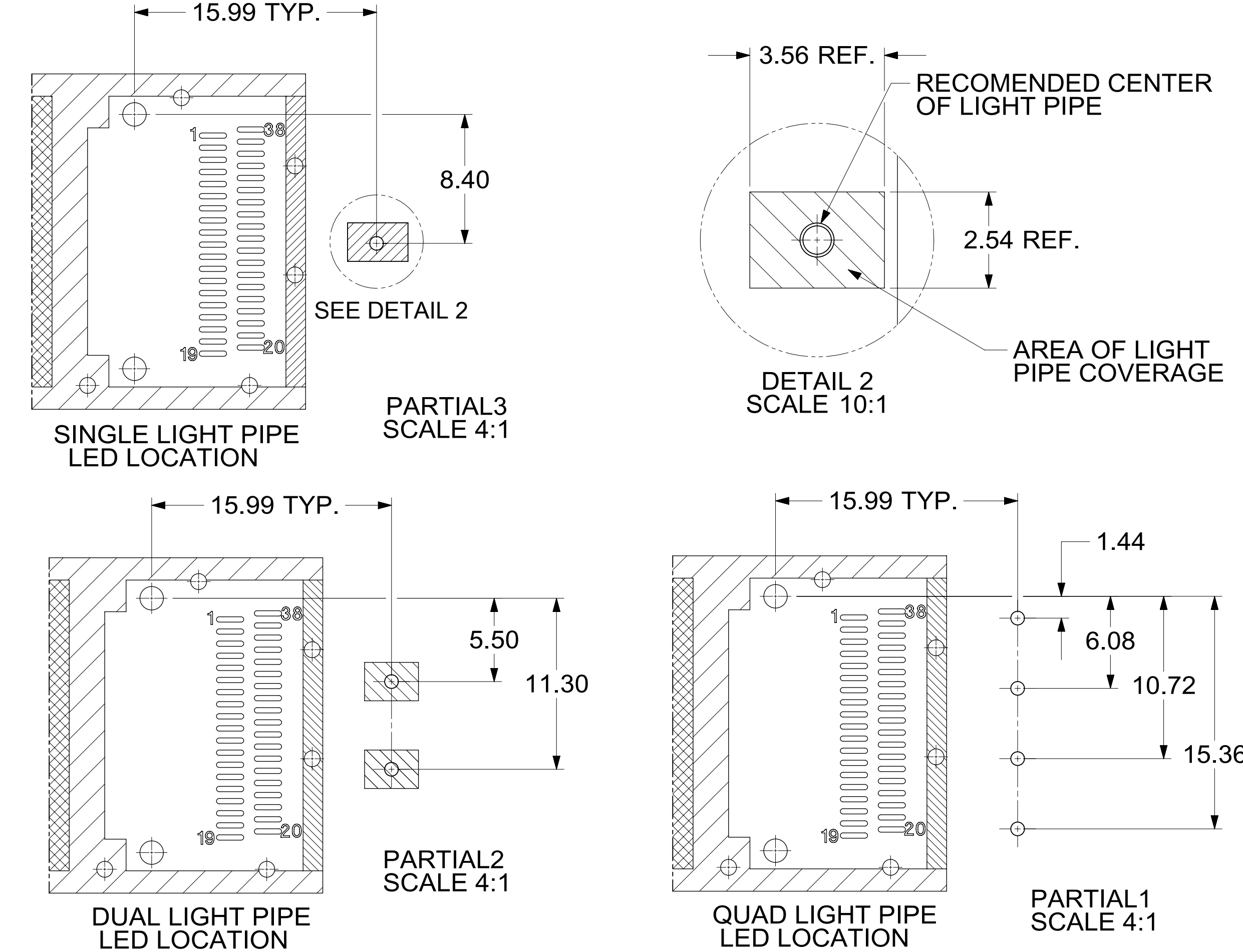


- NOTES:
- DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
  - FINISHED HOLE SIZE (AFTER PLATING)
  - DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - SINGLE SIDED BOARD THICKNESS:  
 NOMINAL: 1.60 mm  
 MINIMUM: 1.44 mm

# HOST CONNECTOR DETAIL

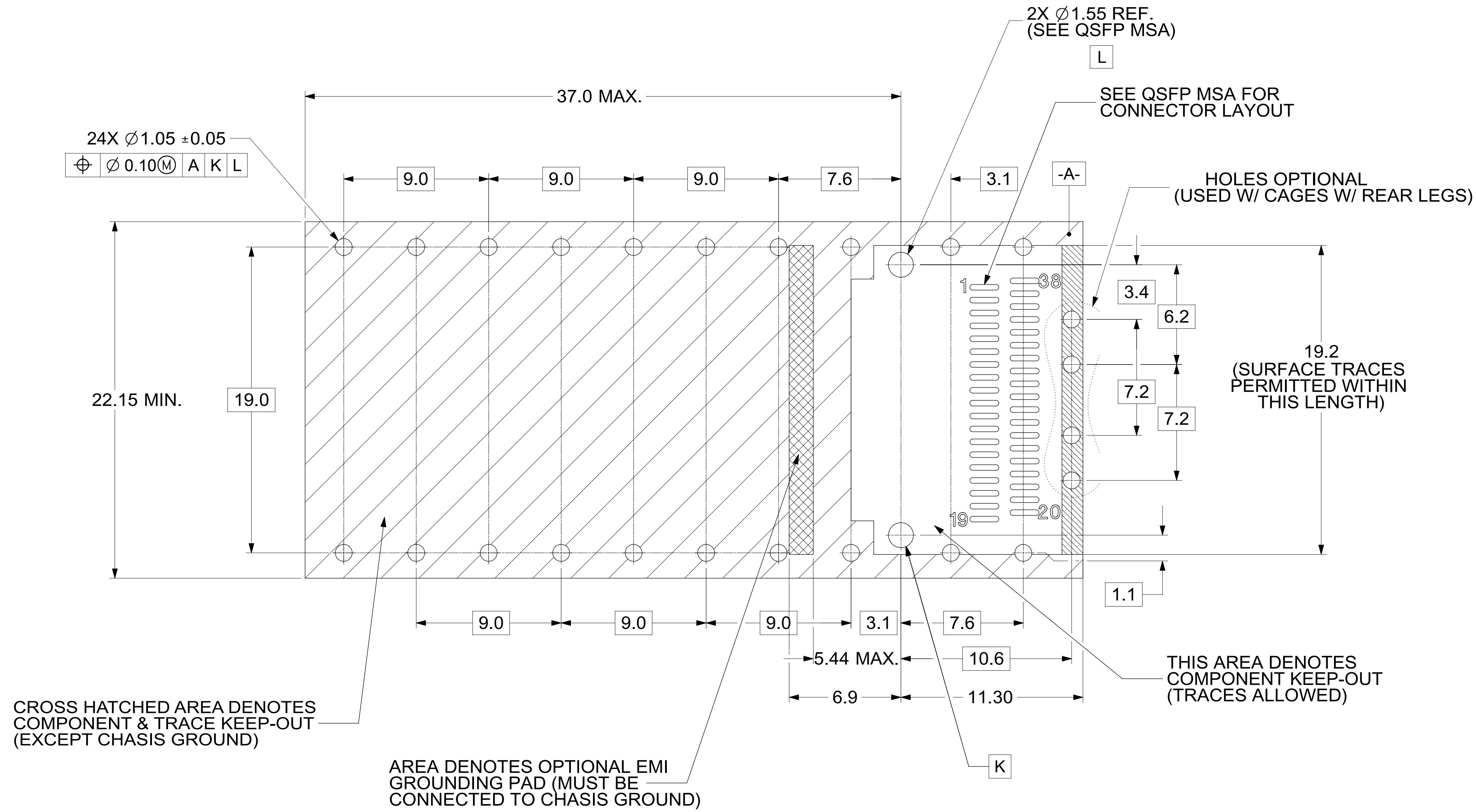


# FOR CAGE ASSEMBLIES WITH LIGHT PIPES



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:							
mm	4:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0°								
4 PLACES	±	EC NO: 712623							
3 PLACES	±	DRWN: PKH 2022/05/27							
2 PLACES	± 0.13	CHK'D: DKUMARG 2022/06/29							
1 PLACE	± 0.25	APPR: SCHIEN 2022/07/07							
0 PLACES	±	INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER CUSTOMER SHEET NUMBER			
		D-SIZE		74750	74750	747503022		PSD ASY A	5 OF 9

# PCB LAYOUT FOR BELLY-TO-BELLY APPLICATIONS

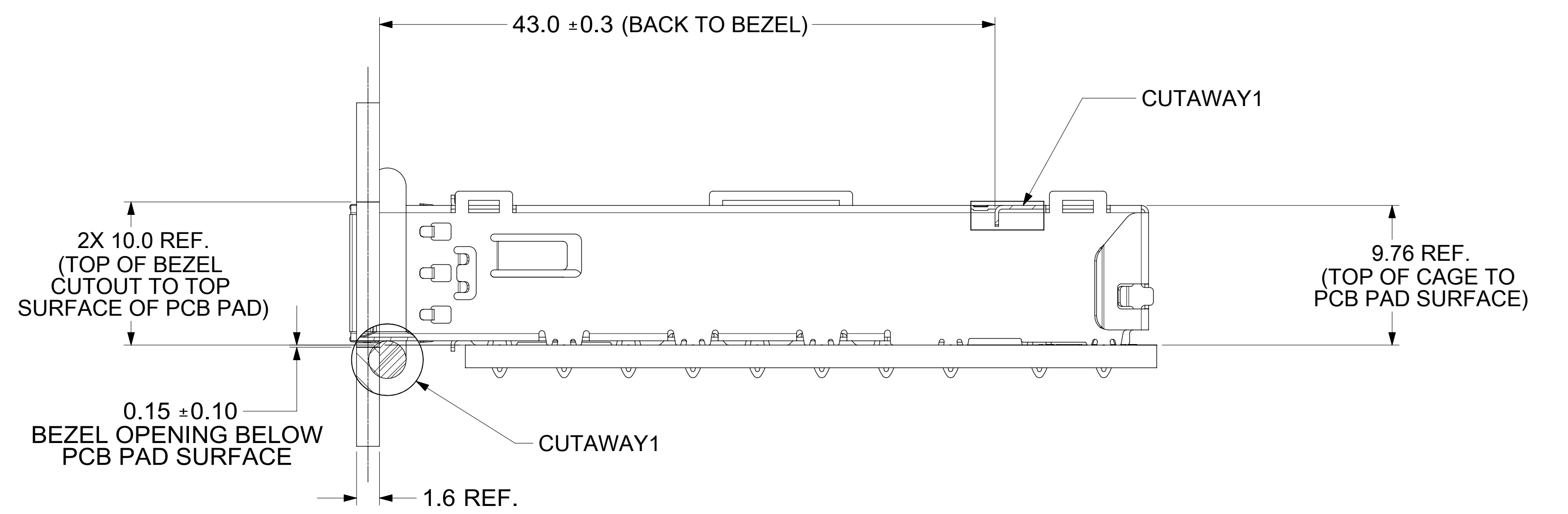
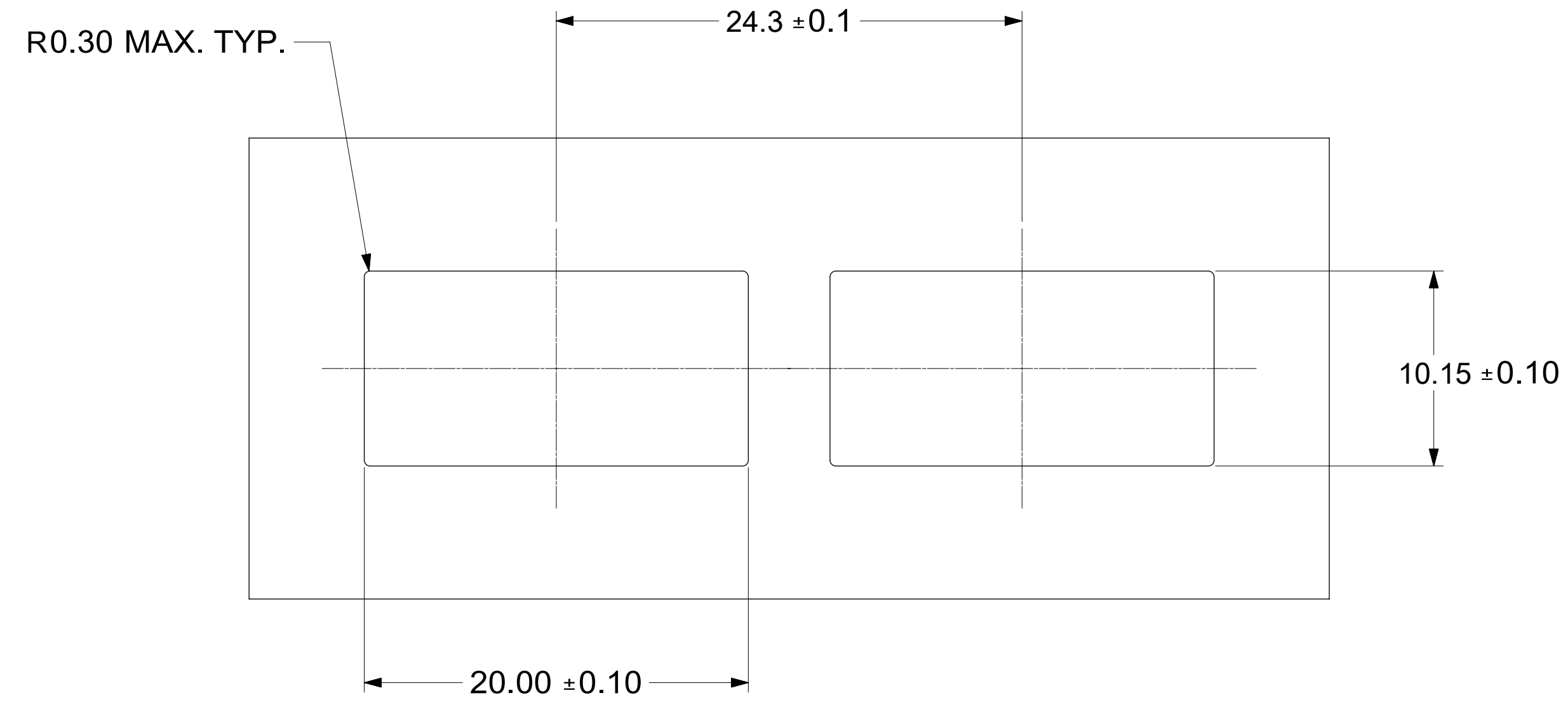


NOTE:  
FOR RECOMENDED CENTER  
OF LIGHT PIPES,  
SEE SHEET 5

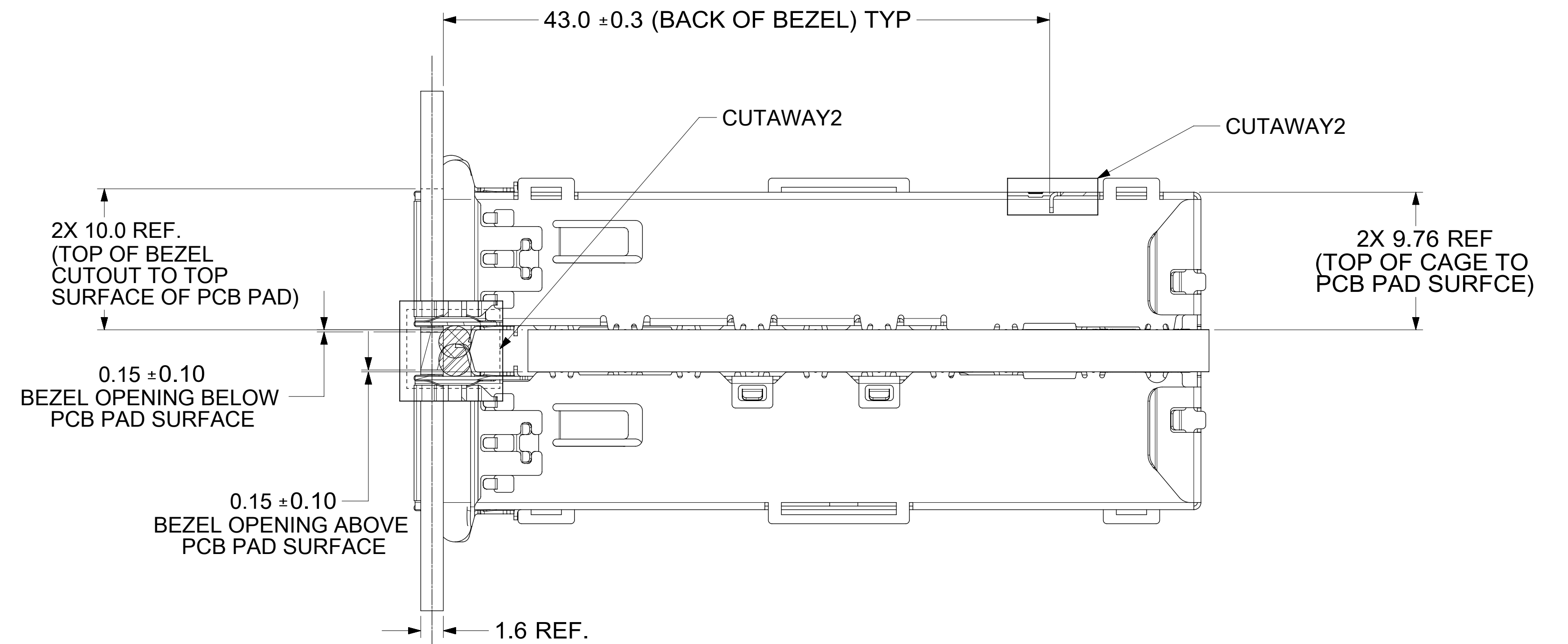
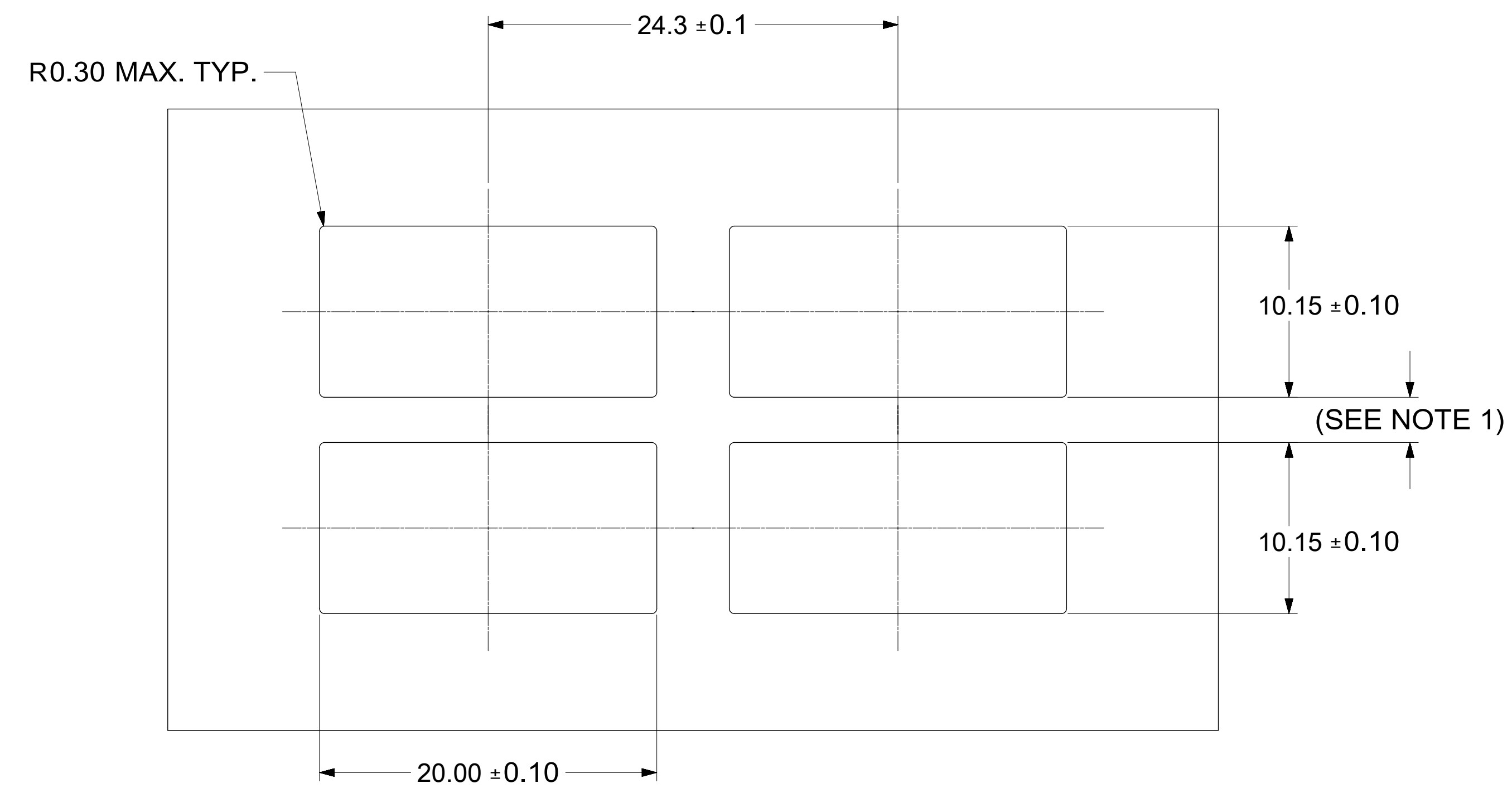
- NOTES:
- DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
  - FINISHED HOLE SIZE (AFTER PLATING)
  - DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - BELLY TO BELLY BOARD THICKNESS:  
NOMINAL: 2.90 mm  
MINIMUM: 2.48 mm

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:							
mm	6:1	<p><b>molex</b></p> <p>QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND &amp; SQUARE)</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>747503022</b>    DOC TYPE: PSD    DOC PART: ASY    REVISION: A</p> <p>MATERIAL NUMBER: SEE SHEET 4    CUSTOMER:    SHEET NUMBER: 6 OF 9</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13								
1 PLACE	± 0.25	EC NO: 712623	DRWN: PKH		2022/05/27				
0 PLACES	±	CHK'D: DKUMARG	APPR: SCHIEN		2022/06/29				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES				
				D-SIZE	74750				

# BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



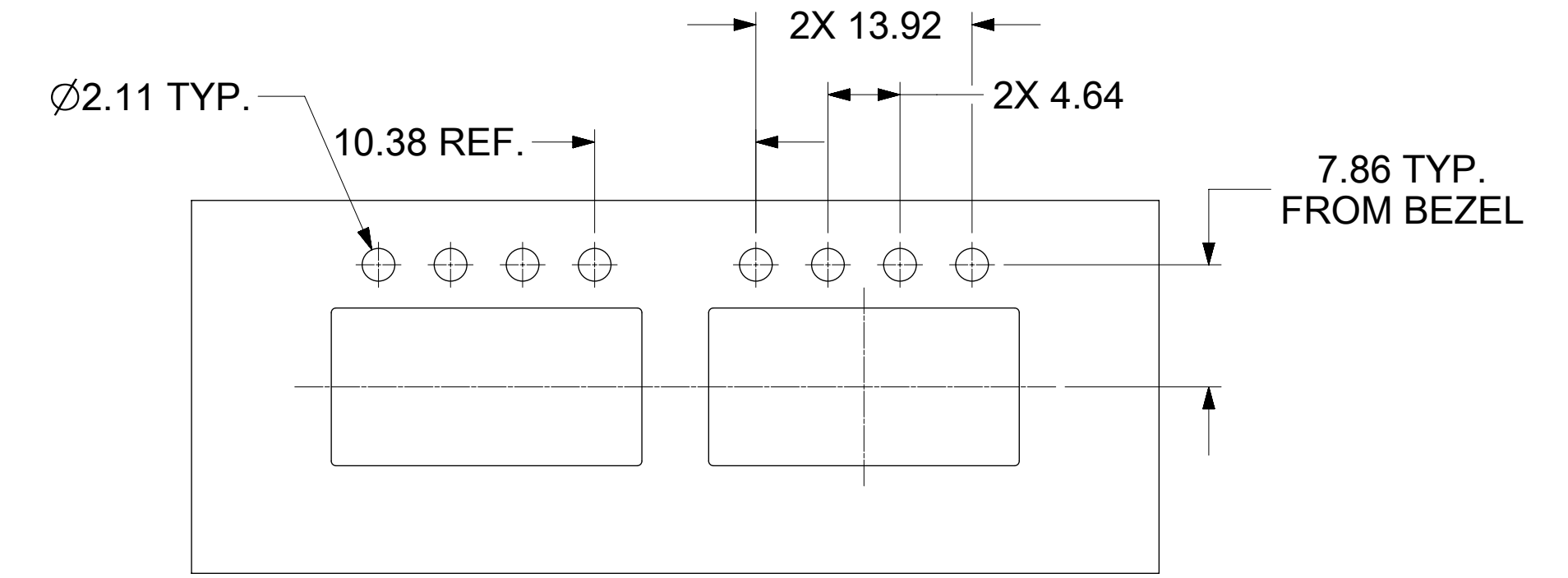
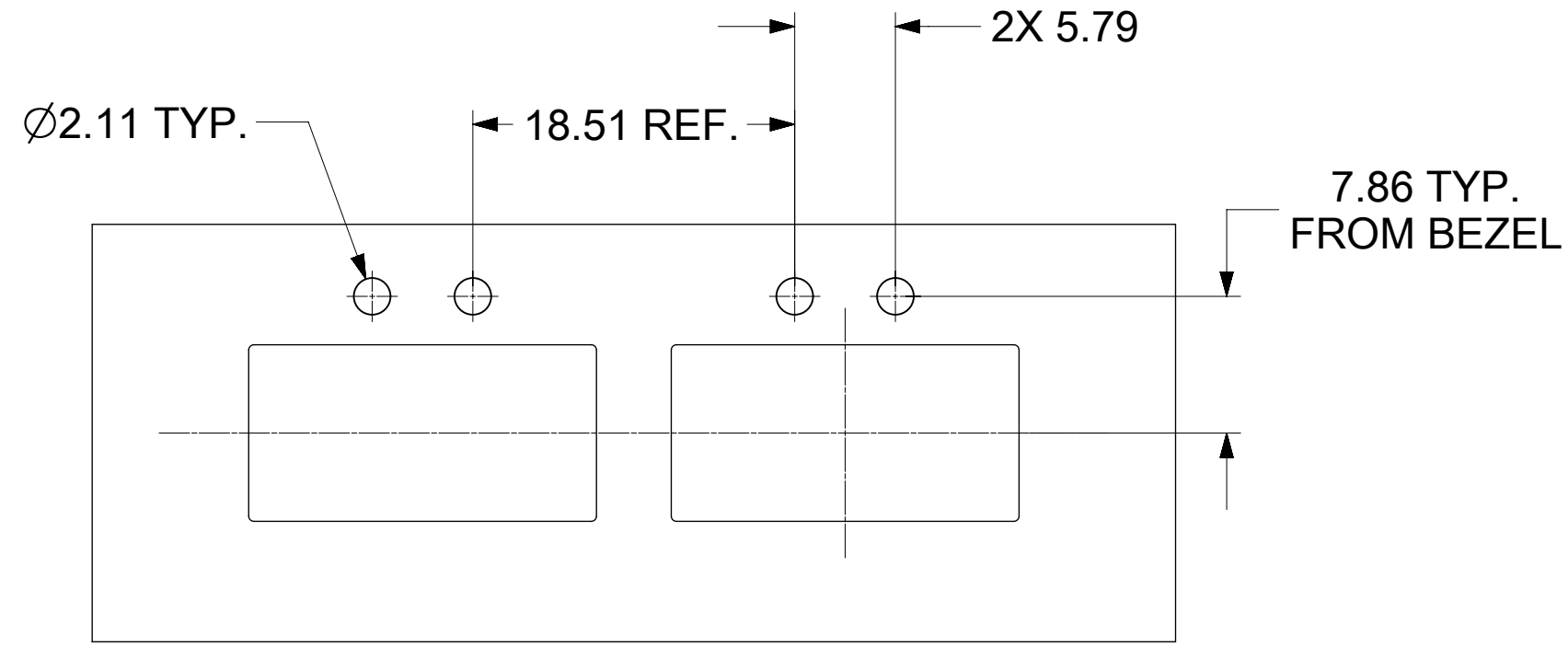
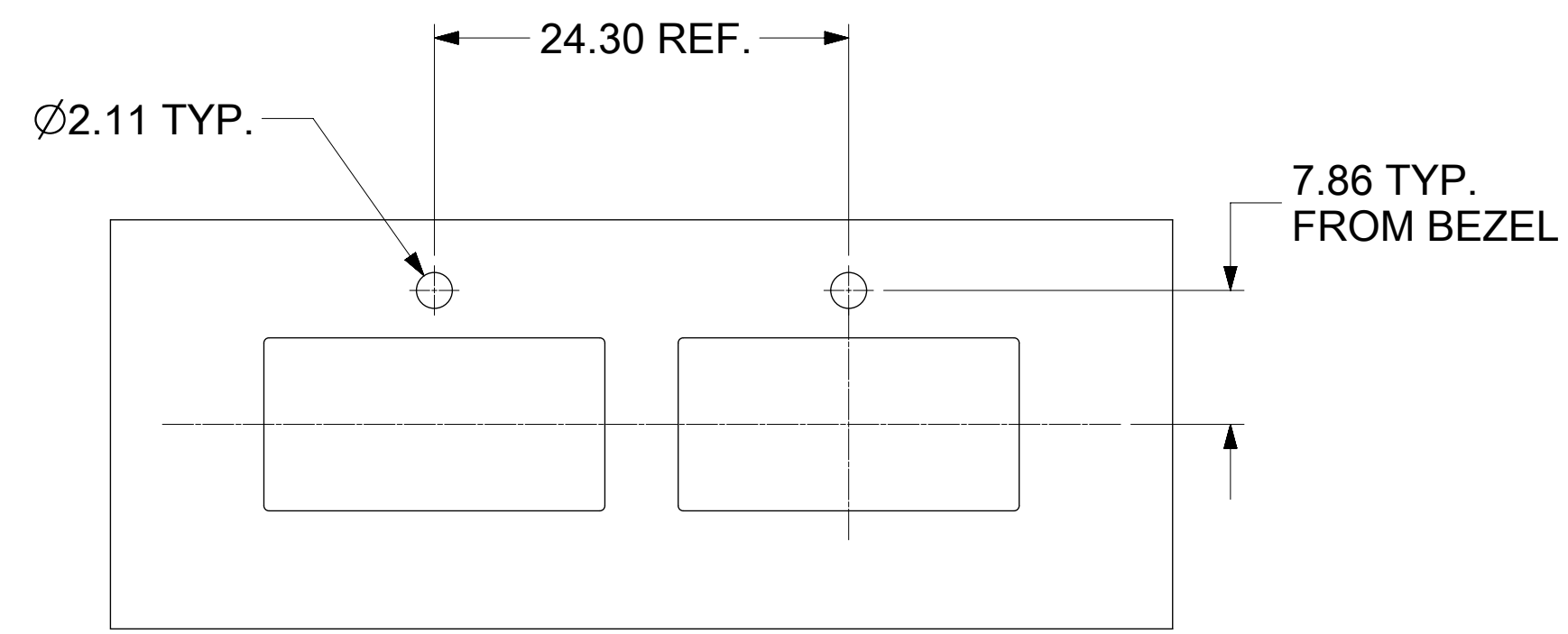
# BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



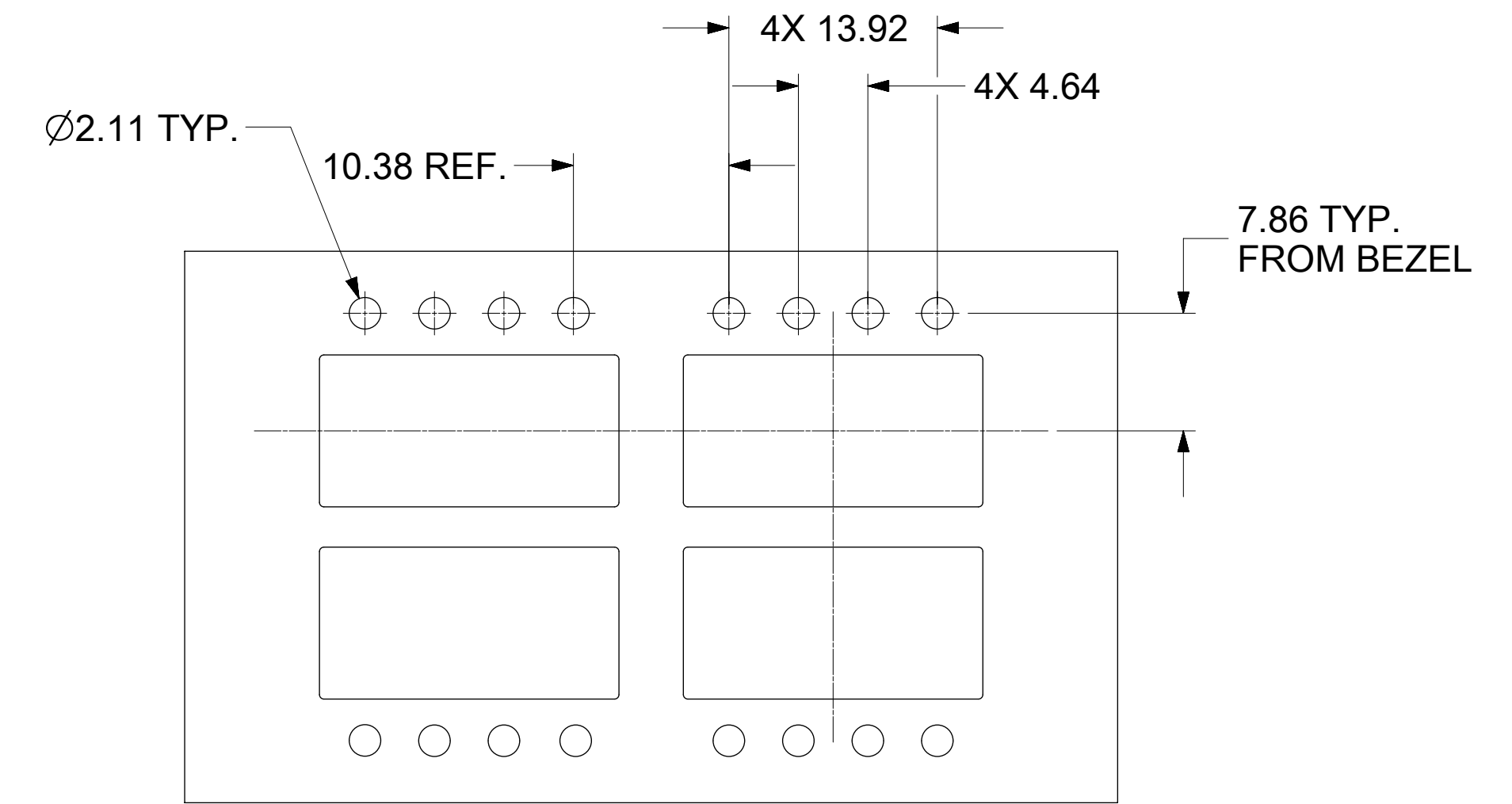
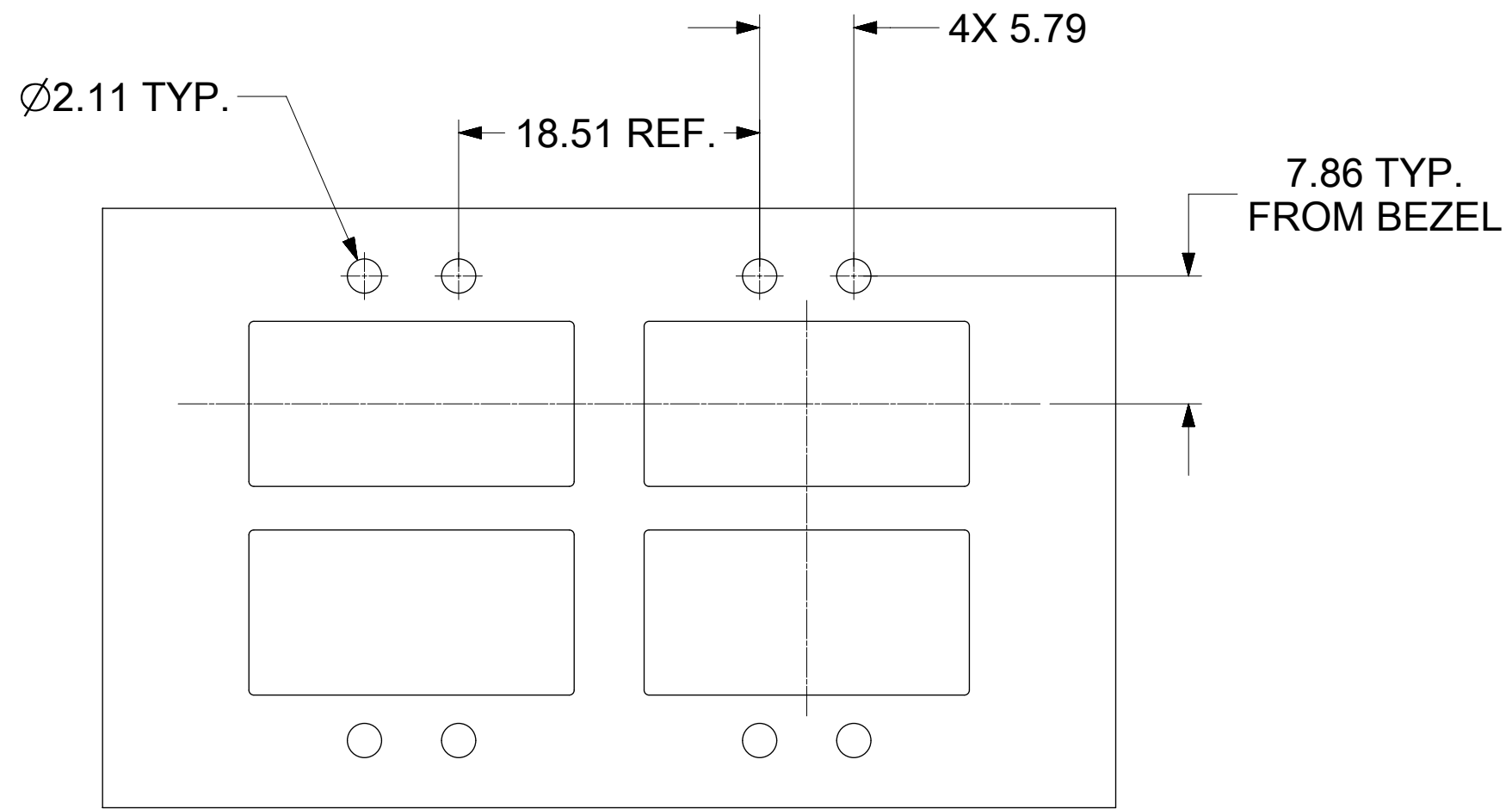
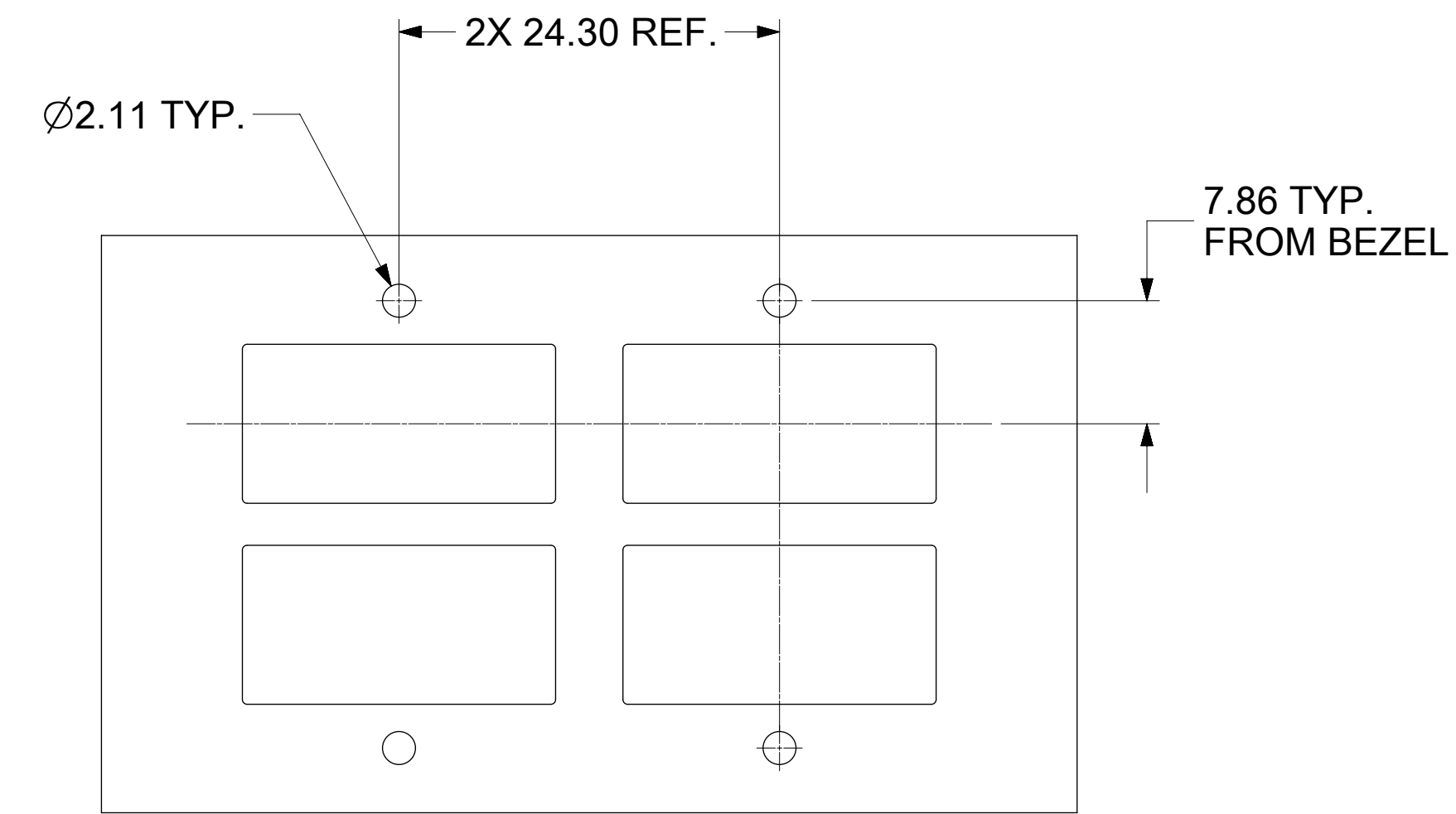
NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

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:							
mm	4:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0°								
4 PLACES	±	EC NO: 712623							
3 PLACES	±	DRWN: PKH 2022/05/27							
2 PLACES	± 0.13	CHK'D: DKUMARG 2022/06/29							
1 PLACE	± 0.25	APPR: SCHIEN 2022/07/07							
0 PLACES	±	INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER			
				D-SIZE	74750	747503022			
						CUSTOMER	SEE SHEET 4		
						DOC TYPE		DOC PART	REVISION
						PSD		ASY	A
						SHEET NUMBER			
						7 OF 9			

### BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



### BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS FOR BELLY-TO-BELLY MOUNTING


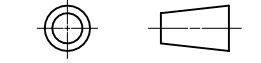


**NOTE:**  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

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:							
mm		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623						DOCUMENT NUMBER	
ANGULAR TOL ± 1.0°				DRWN: PKH 2022/05/27						747503022	
4 PLACES ±				CHK'D: DKUMARG 2022/06/29						DOC TYPE	
3 PLACES ±				APPR: SCHIEN 2022/07/07						PSD	
2 PLACES ± 0.13				INITIAL REVISION:						DOC PART	
1 PLACE ± 0.25				DRWN: PKH 2022/05/27						ASY	
0 PLACES ±				APPR: SCHIEN 2022/07/07						REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER	
						D-SIZE		74750		SEE SHEET 4	
										SHEET NUMBER	
										8 OF 9	



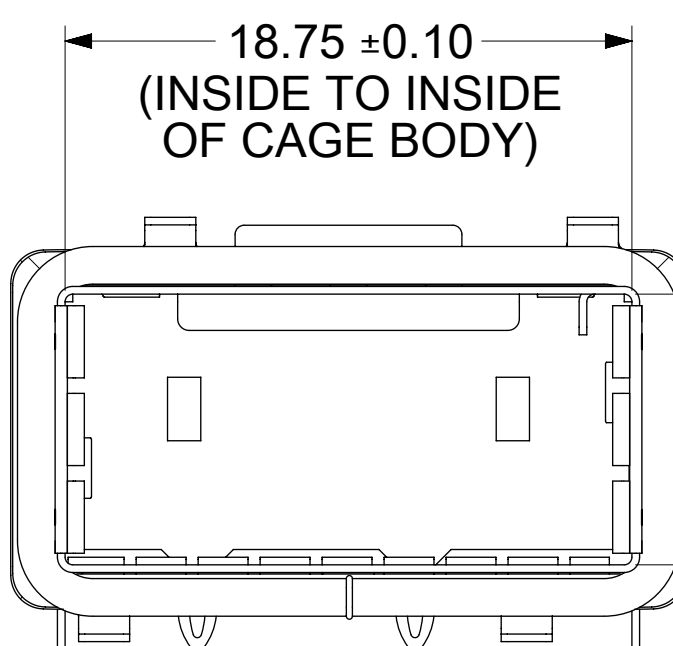
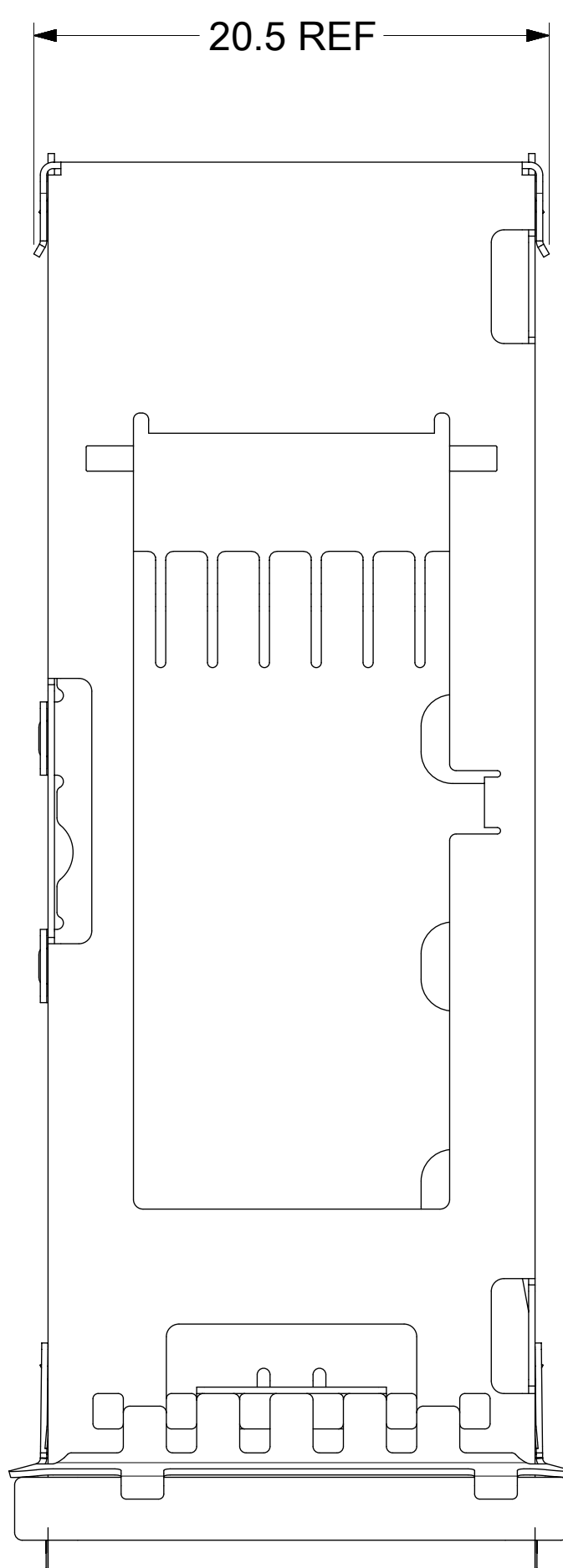
REV	DATE	DESCRIPTION
A	2022/06/25	INITIAL RELEASE

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>1:1</b>	CURRENT REV DESC:				 QSPF+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)				
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 712623								
ANGULAR TOL ± 1.0°		DRWN: PKH 2022/05/27				PRODUCT CUSTOMER DRAWING				
4 PLACES ±		CHK'D: DKUMARG 2022/06/29				DOCUMENT NUMBER				
3 PLACES ±		APPR: SCHIEN 2022/07/07				747503022				
2 PLACES ± 0.13		INITIAL REVISION:				DOC TYPE				
1 PLACE ± 0.25		DRWN: PKH 2022/05/27				PSD				
0 PLACES ±		APPR: SCHIEN 2022/07/07				DOC PART				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING <b>D-SIZE</b>	SERIES <b>74750</b>	MATERIAL NUMBER SEE SHEET 4	CUSTOMER	REVISION				
						AS Y A				
						SHEET NUMBER				
						9 OF 9				

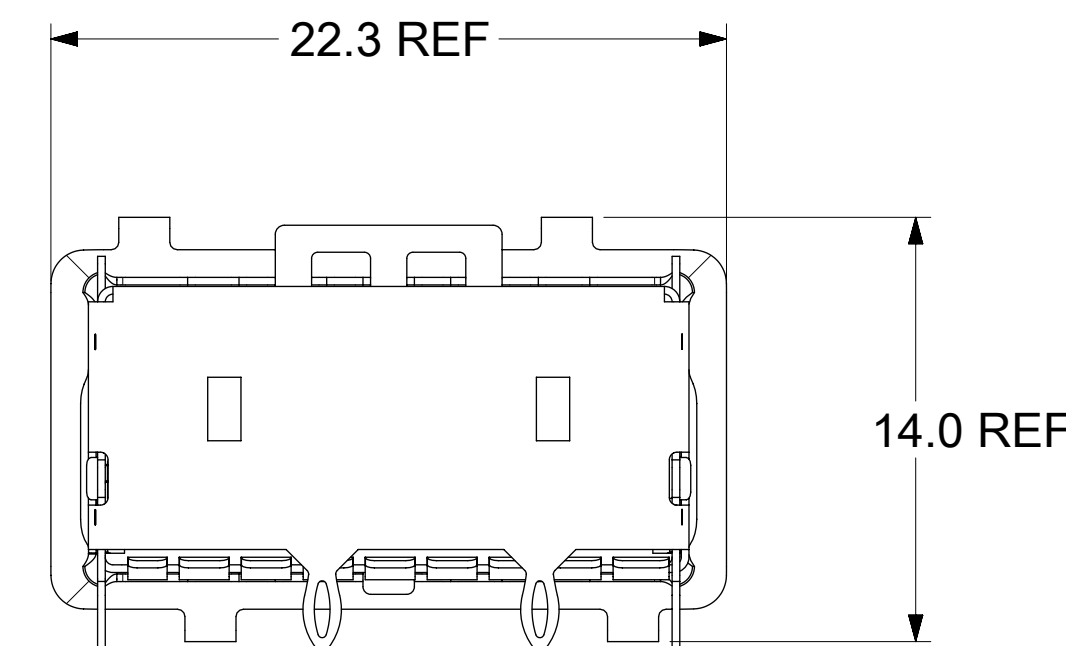
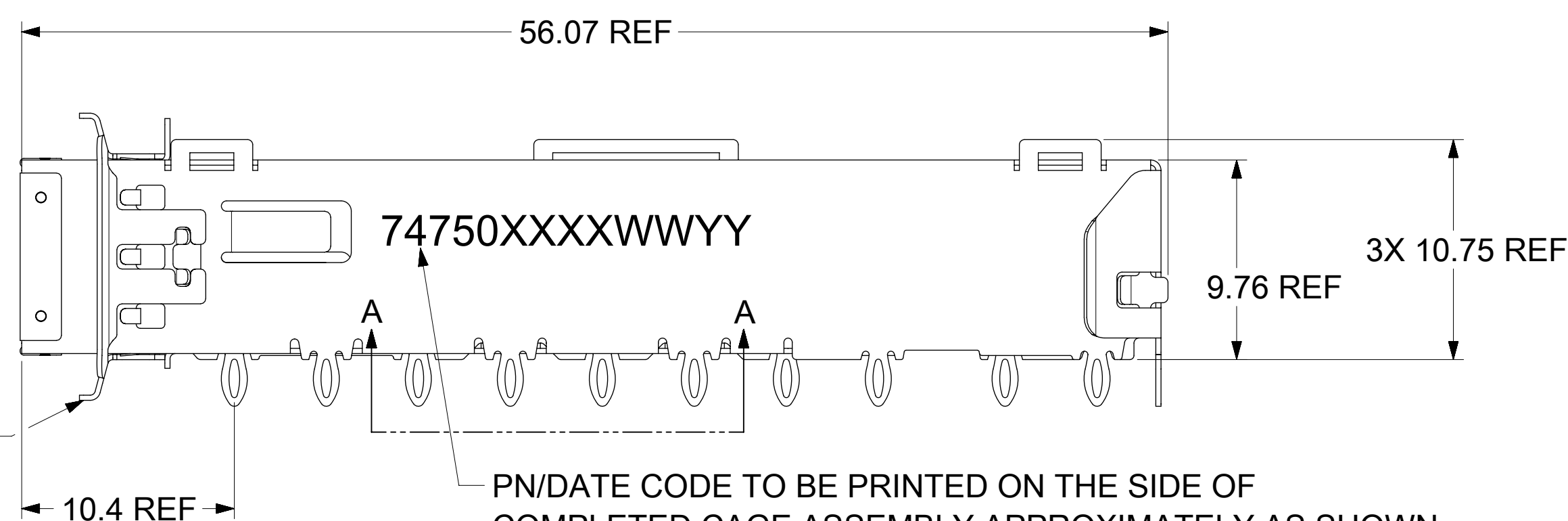
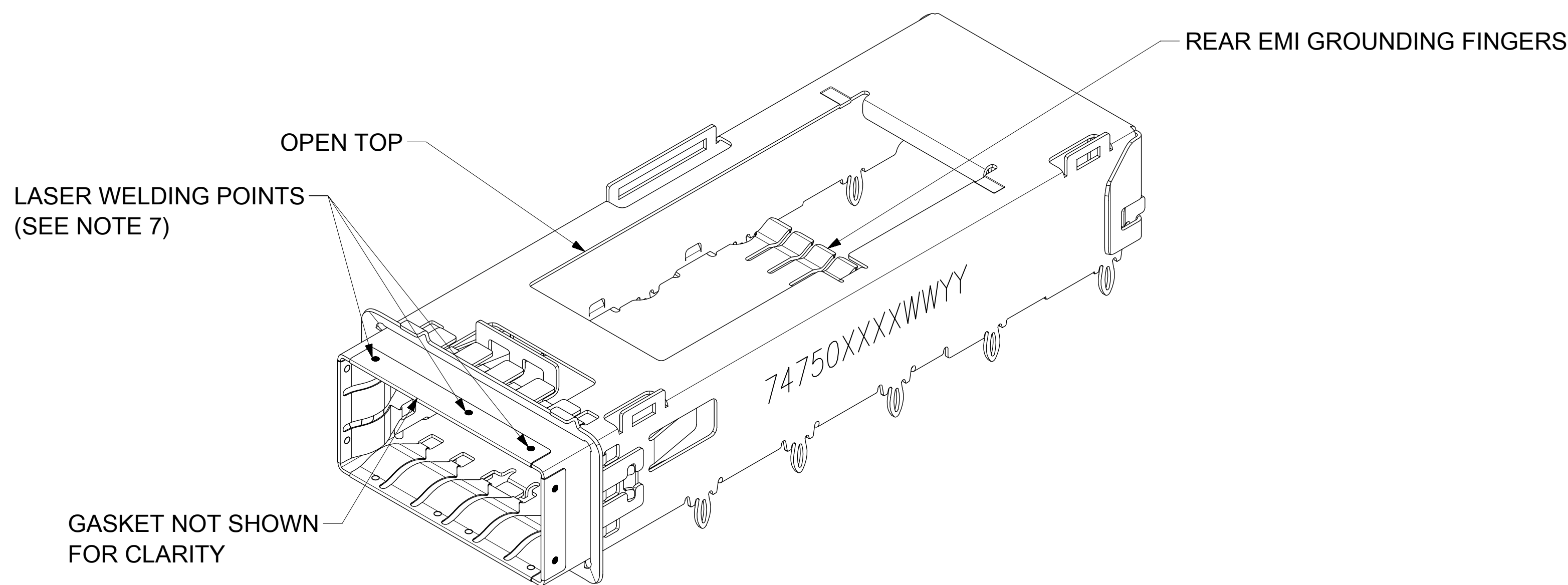
DOCUMENT STATUS	P1	RELEASE DATE	2022/07/07	13:29:38
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# BASE CAGE DETAILS

747503601 SHOWN



NOTE:  
INTERNAL SPRING FINGERS  
REMOVED FROM THIS VIEW FOR CLARITY.

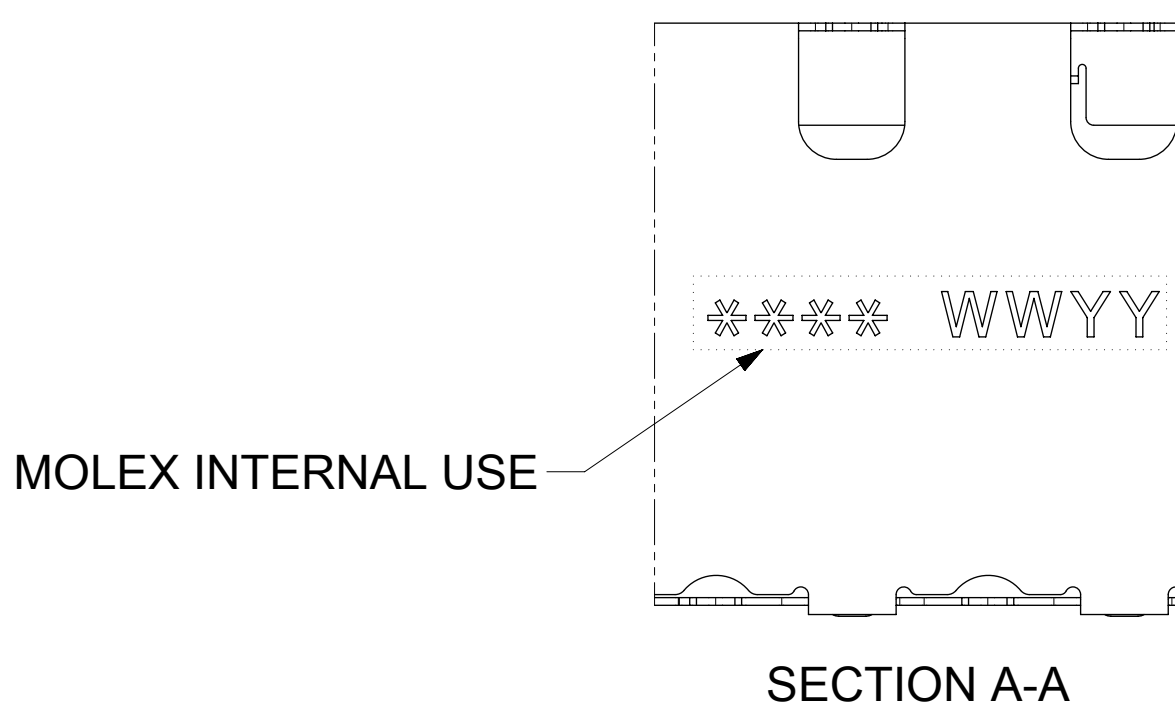


NOTE:  
GASKET REMOVED FROM THIS  
VIEW FOR CLARITY.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	22, 23, 24 ETC. EXAMPLE: YEAR 2022 = 22

ITEM NO.	FG PART NUMBER	HEIGHT FROM STAND-OFF HS	SHEET
1	747503600	16.9	2
2	747503601	17.9	3

- NOTES:
- PRESS FIT LEGS 2.28mm LONG
  - MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED  
SPRING FINGERS: STAINLESS STEEL  
LIGHT PIPE/HEAT SINK CLIP: STAINLESS STEEL  
LIGHT PIPES: POLYCARBONATE (UL 94-V0 RATED)  
HEATSINKS: ALUMINUM (NICKEL PLATED).  
ELASTOMERIC GASKET: AgAI IN SILICONE
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST
  - QSFP+ ASSEMBLES ALSO AVAILABLE IN 1X2 (74767 SERIES), 1X3 (74768 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES).
  - PACKAGED IN TRAYS.
  - NO RoHS EXEMPTIONS.
  - 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: SEE REVISION TABLE	
mm	4:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 1.0°		
4 PLACES	±	EC NO: 712623	
3 PLACES	±	DRWN: PKH	2022/05/23
2 PLACES	± 0.13	CHK'D: VISHNM2	2022/06/29
1 PLACE	± 0.25	APPR: SCHIEN	2022/07/07
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: PKH	2022/05/23
		APPR: SCHIEN	2022/07/07
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
	D-SIZE	74750	SEE P/N TABLE
		CUSTOMER	SHEET NUMBER
			1 OF 8

**molex**

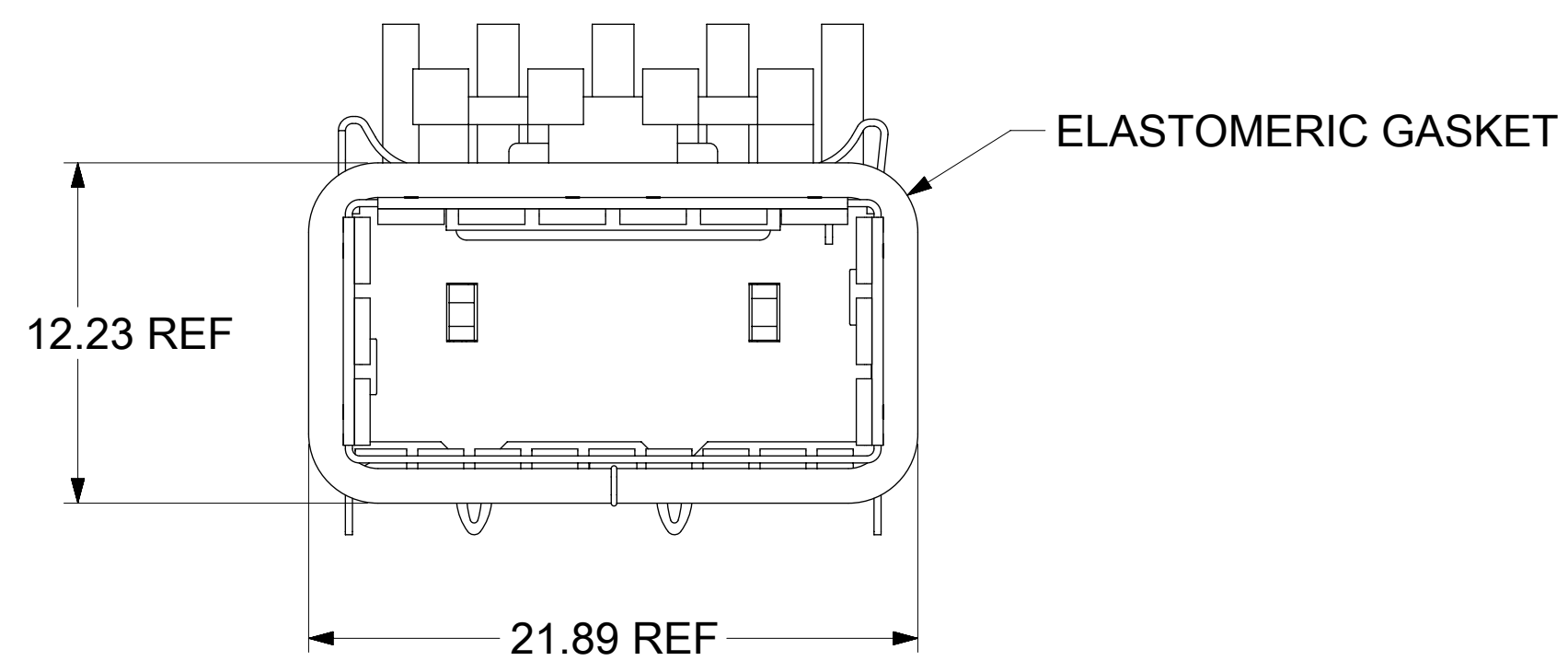
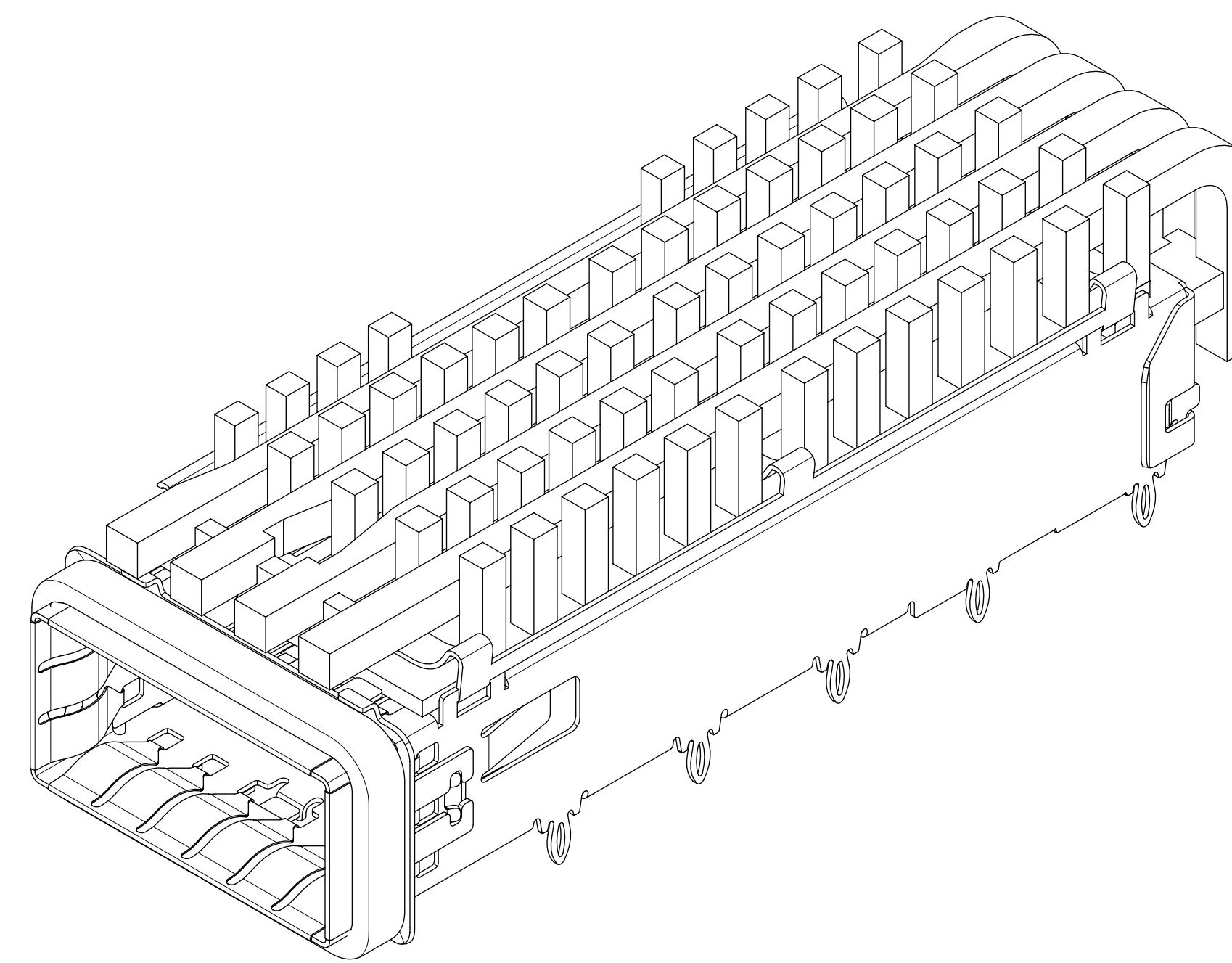
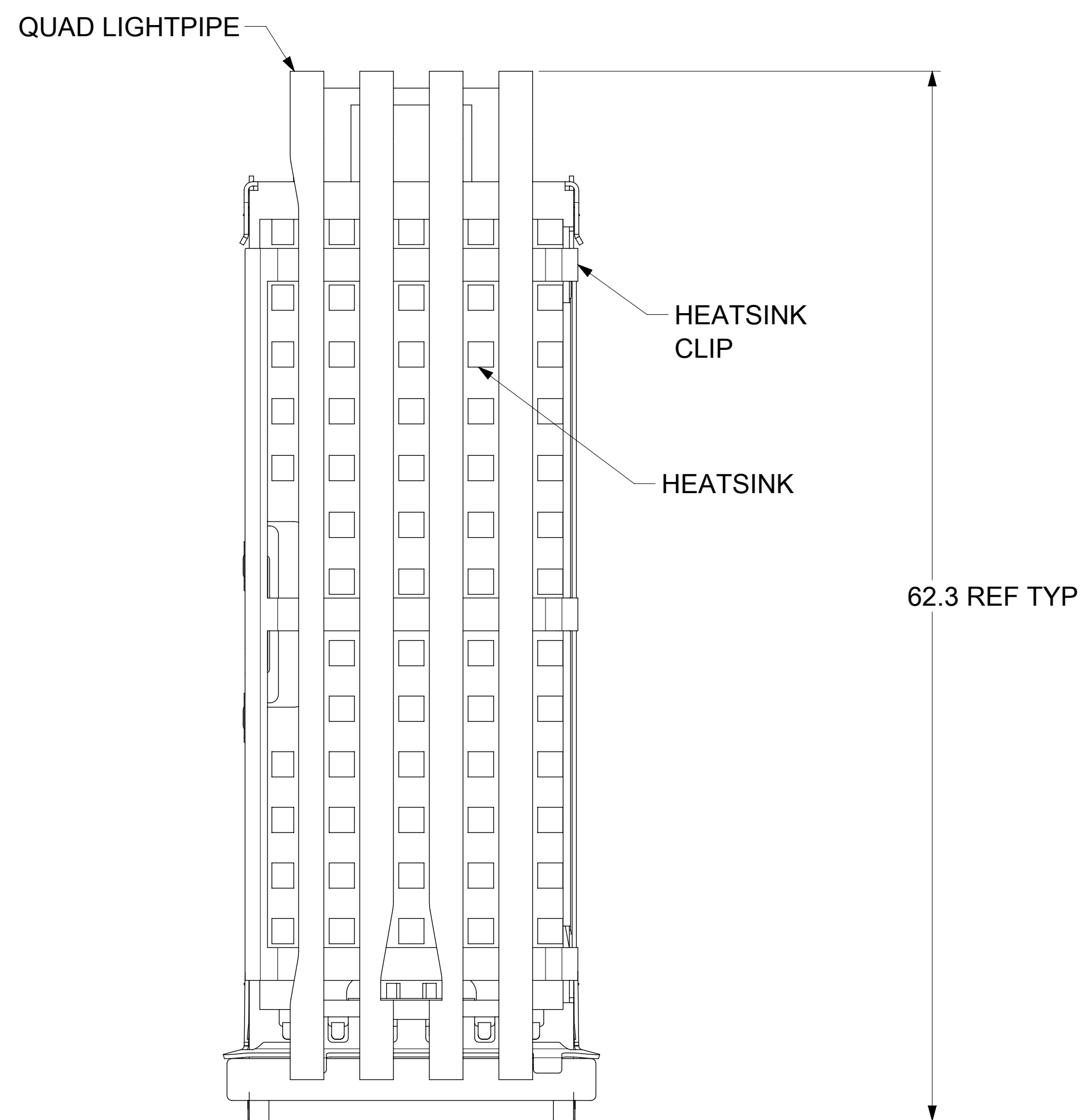
QSFP+ 1X1 CAGE ASSEMBLY 2RL  
W/ ELASTOMERIC GASKET, QUAD LP, SUS SPRING FINGER & CUSTOM HS

PRODUCT CUSTOMER DRAWING

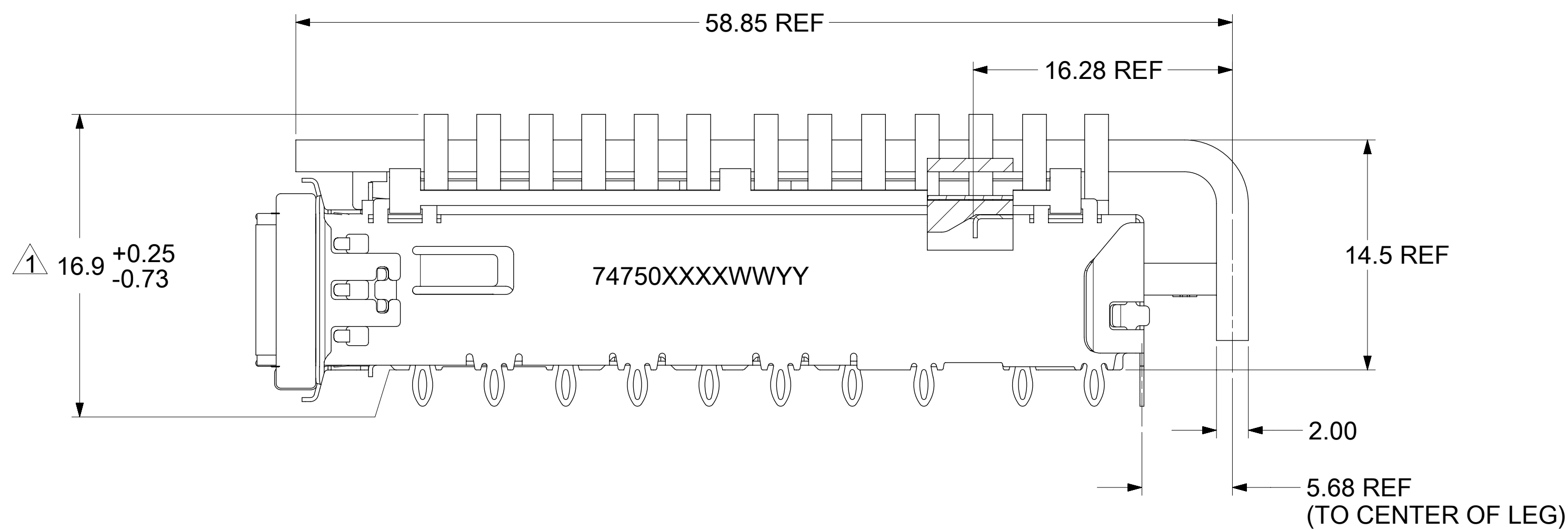
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747503601	PSD	ASY	A

# CAGE ASSEMBLY

747503601 SHOWN



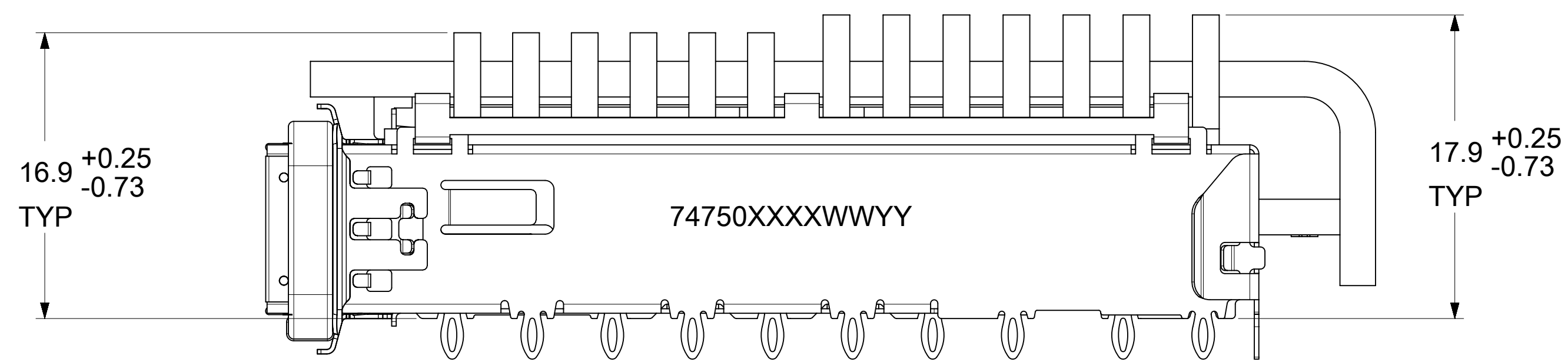
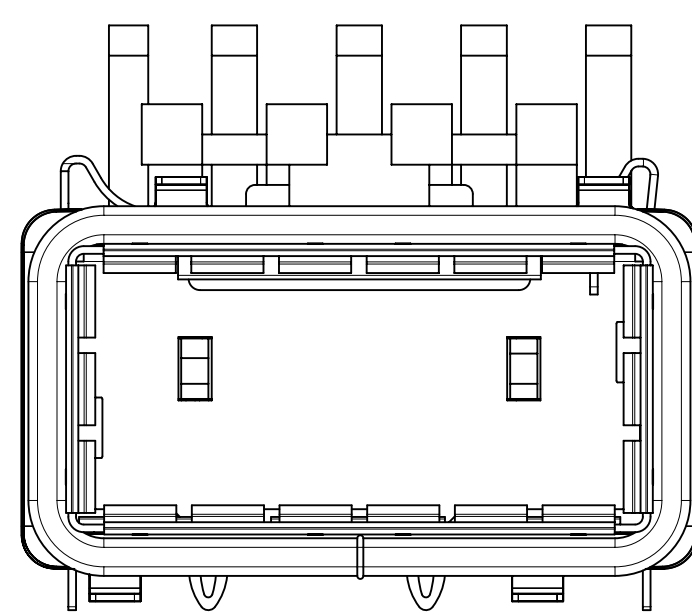
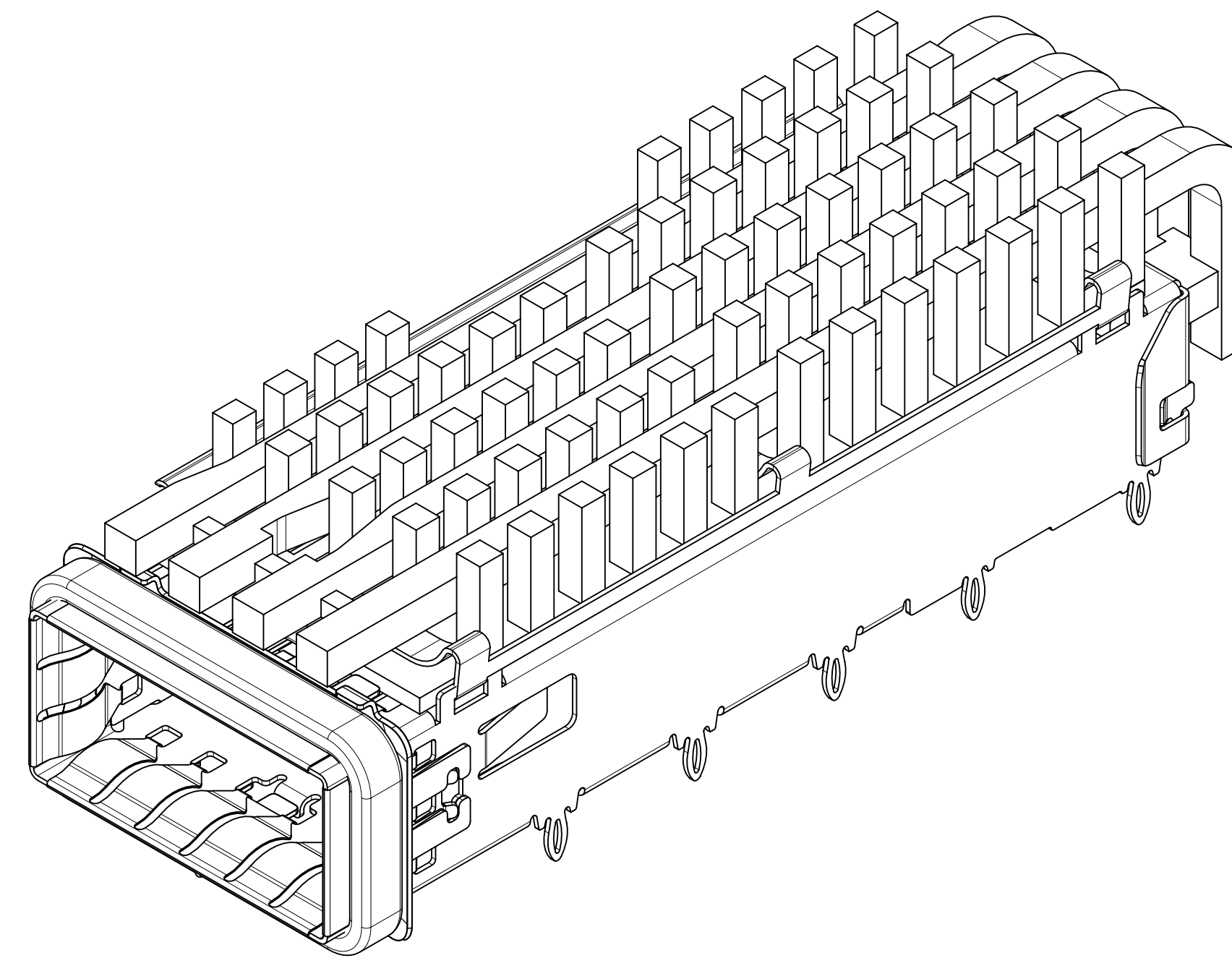
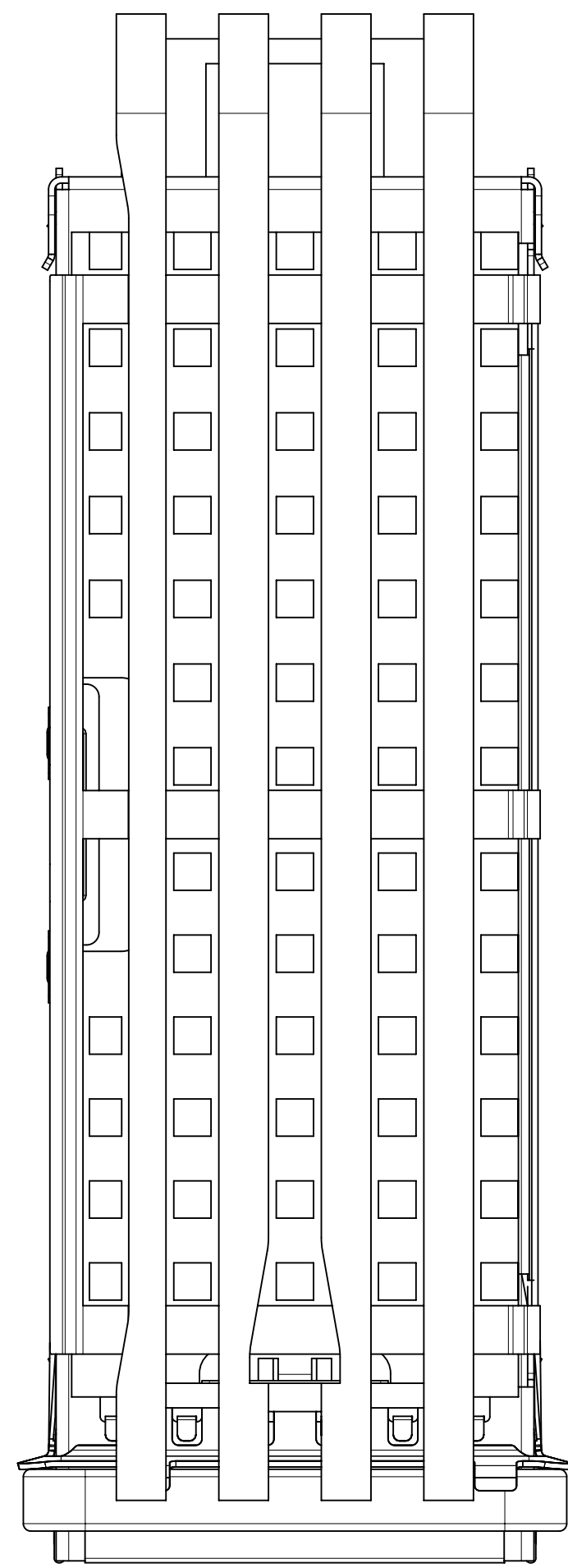
GASKET FRAME HAS BEEN REMOVED FOR CLARITY



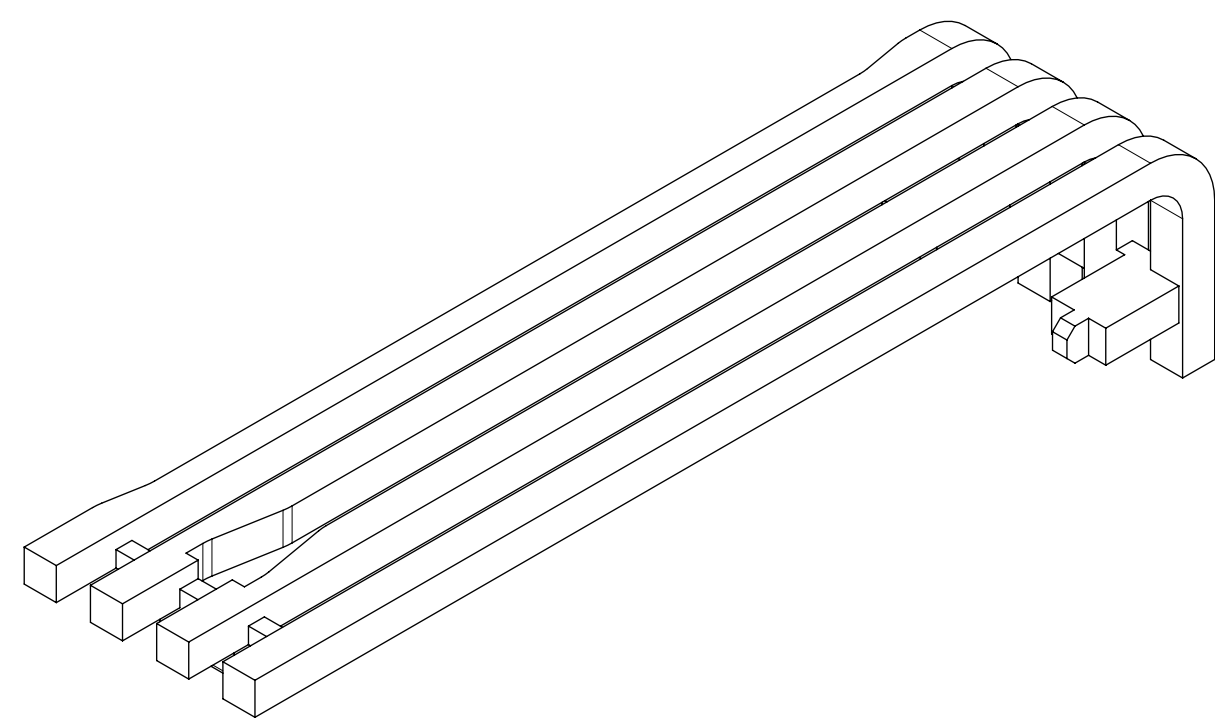
HEIGHT OF HEATSINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

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		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 1.0°									
4 PLACES		±		EC NO: 712623							
3 PLACES		±		DRWN: PKH		2022/05/23					
2 PLACES		± 0.13		CHK'D: VISHNM2		2022/06/29					
1 PLACE		± 0.25		APPR: SCHIEN		2022/07/07					
0 PLACES		±		INITIAL REVISION:							
				DRWN: PKH		2022/05/23					
				APPR: SCHIEN		2022/07/07					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		
					D-SIZE		74750		SEE P/N TABLE		
				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				747503601		PSD		ASY		A	
				CUSTOMER		SHEET NUMBER					
						2 OF 8					

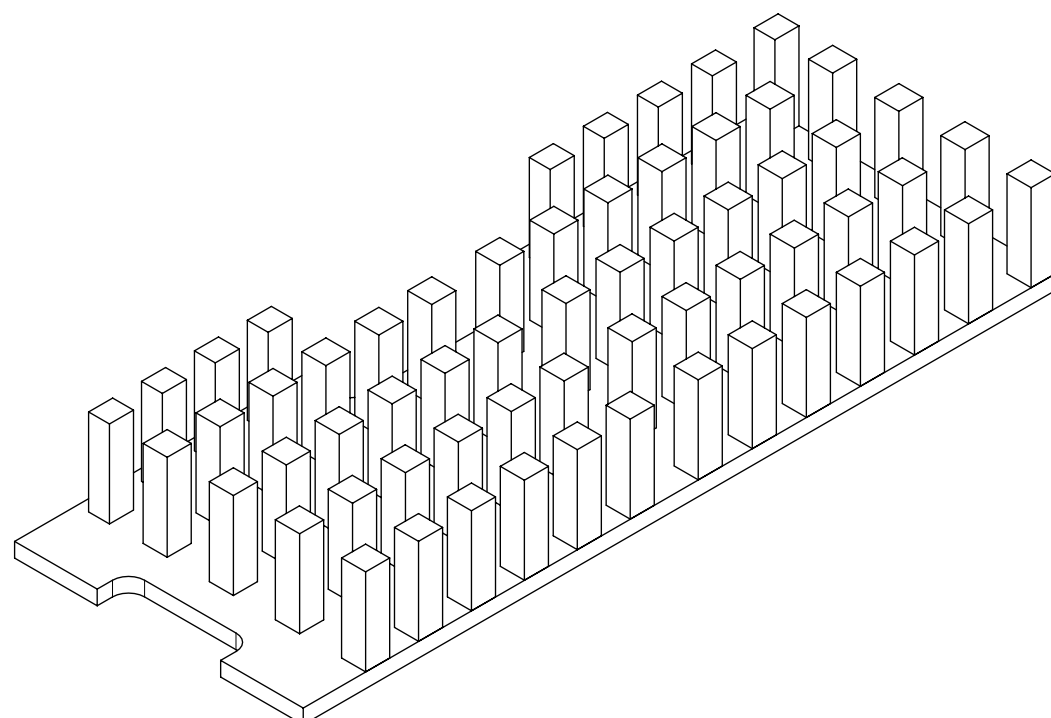
747503600 SHOWN



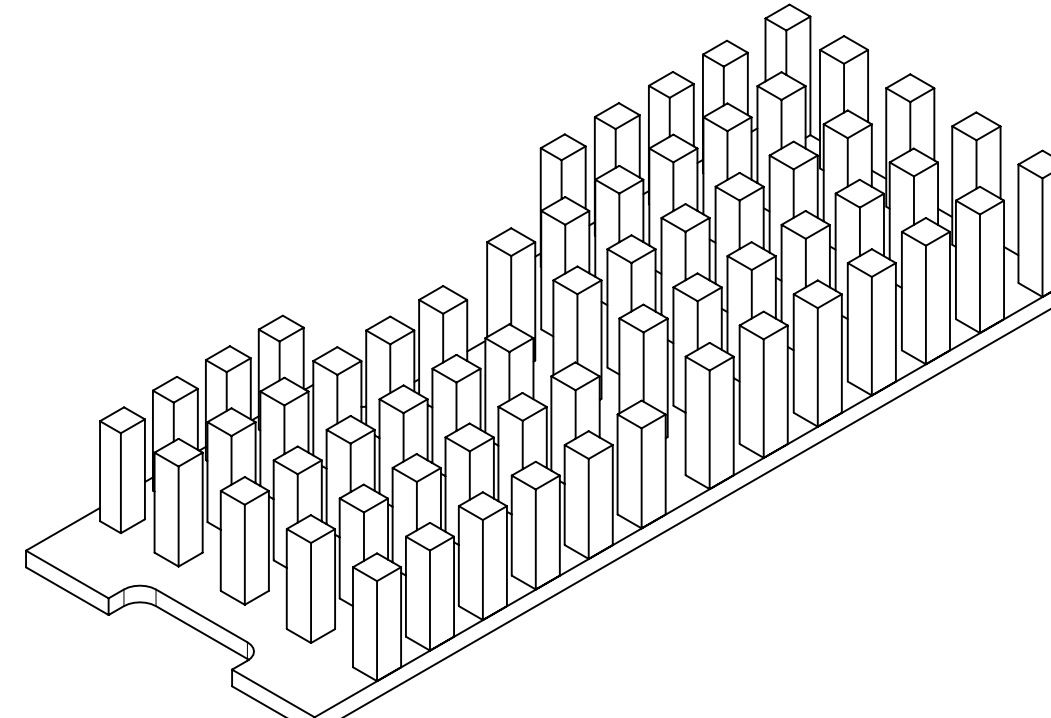
QUAD LIGHT PIPE



CUSTOM HEATSINK



CUSTOM 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	
mm	5:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 1.0°		
4 PLACES	±	EC NO: 712623	
3 PLACES	±	DRWN: PKH	2022/05/23
2 PLACES	± 0.13	CHK'D: VISHNM2	2022/06/29
1 PLACE	± 0.25	APPR: SCHIEN	2022/07/07
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: PKH	2022/05/23
		APPR: SCHIEN	2022/07/07
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
		D-SIZE 74750	SEE P/N TABLE
		CUSTOMER	SHEET NUMBER
			3 OF 8

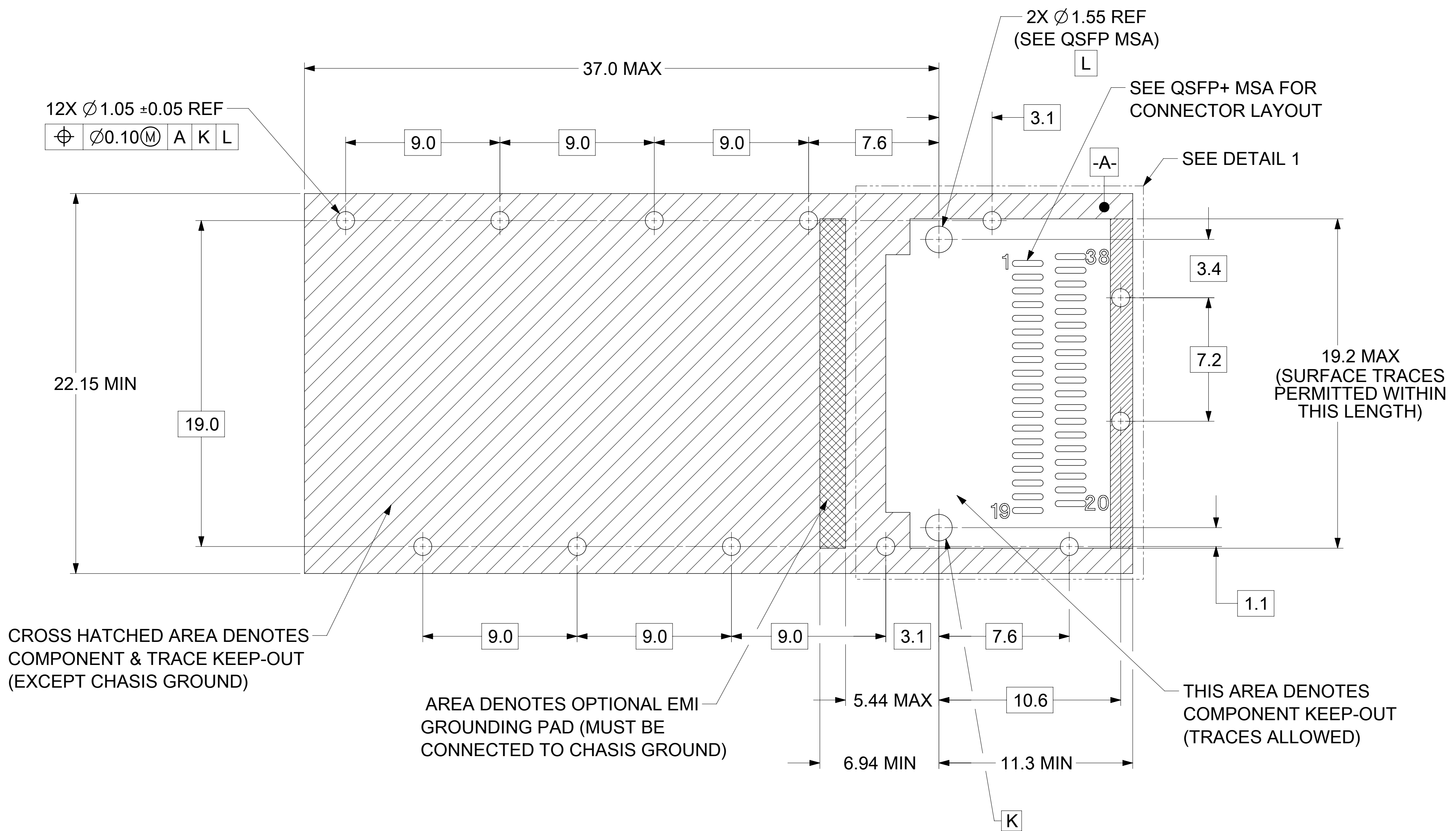
**molex**

QSFP+ 1X1 CAGE ASSEMBLY 2RL  
W/ ELASTOMERIC GASKET, QUAD LP, SUS SPRING  
FINGER & CUSTOM HS

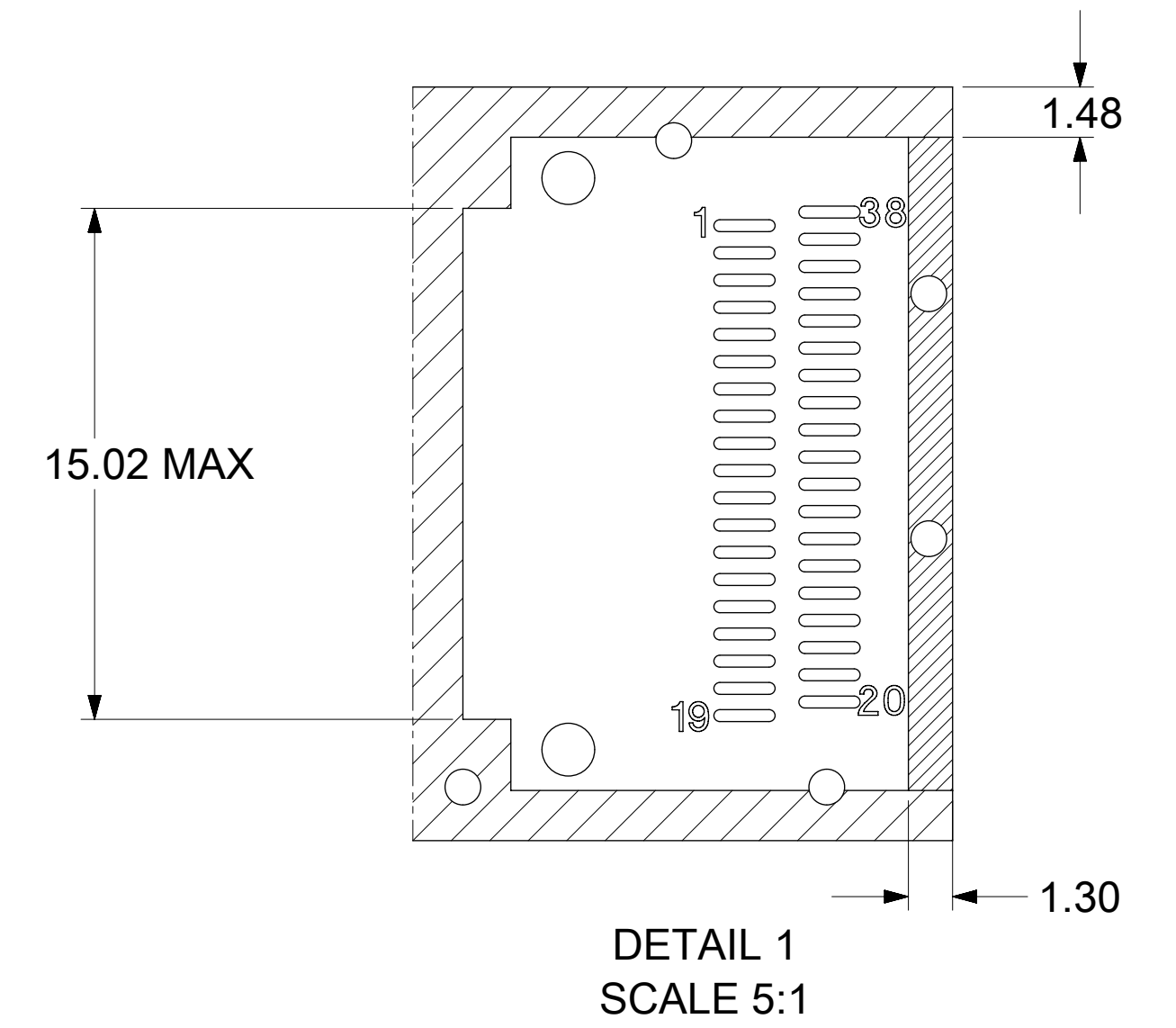
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747503601	PSD	ASY	A

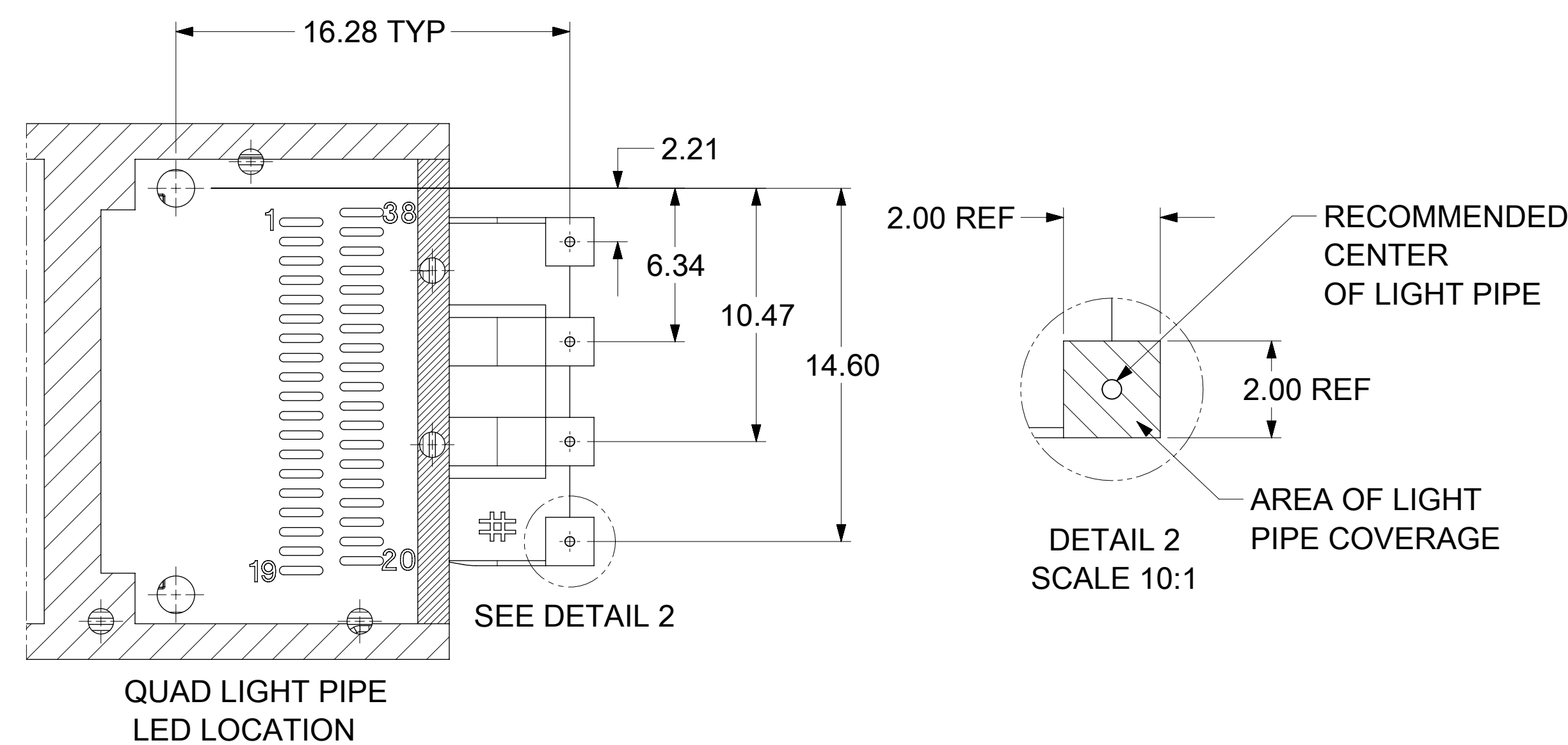
# PCB LAYOUT FOR SINGLE SIDED APPLICATIONS



## HOST CONNECTOR DETAIL



## FOR CAGE ASSEMBLIES WITH LIGHT PIPES



PARTIAL 1 SCALE 4:1

- NOTES:
- 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
  - SINGLE SIDED BOARD THICKNESS:  
 NOMINAL: 1.57mm  
 MINIMUM: 1.44mm

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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	6:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	$\pm 1.0^\circ$								
4 PLACES	$\pm$	EC NO: 712623							
3 PLACES	$\pm$	DRWN: PKH	2022/05/23						
2 PLACES	$\pm 0.13$	CHK'D: VISHNM2	2022/06/29						
1 PLACE	$\pm 0.25$	APPR: SCHIEN	2022/07/07						
0 PLACES	$\pm$	INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: PKH	2022/05/23						
		APPR: SCHIEN	2022/07/07						
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER			
D-SIZE		74750	SEE P/N TABLE					4 OF 8	

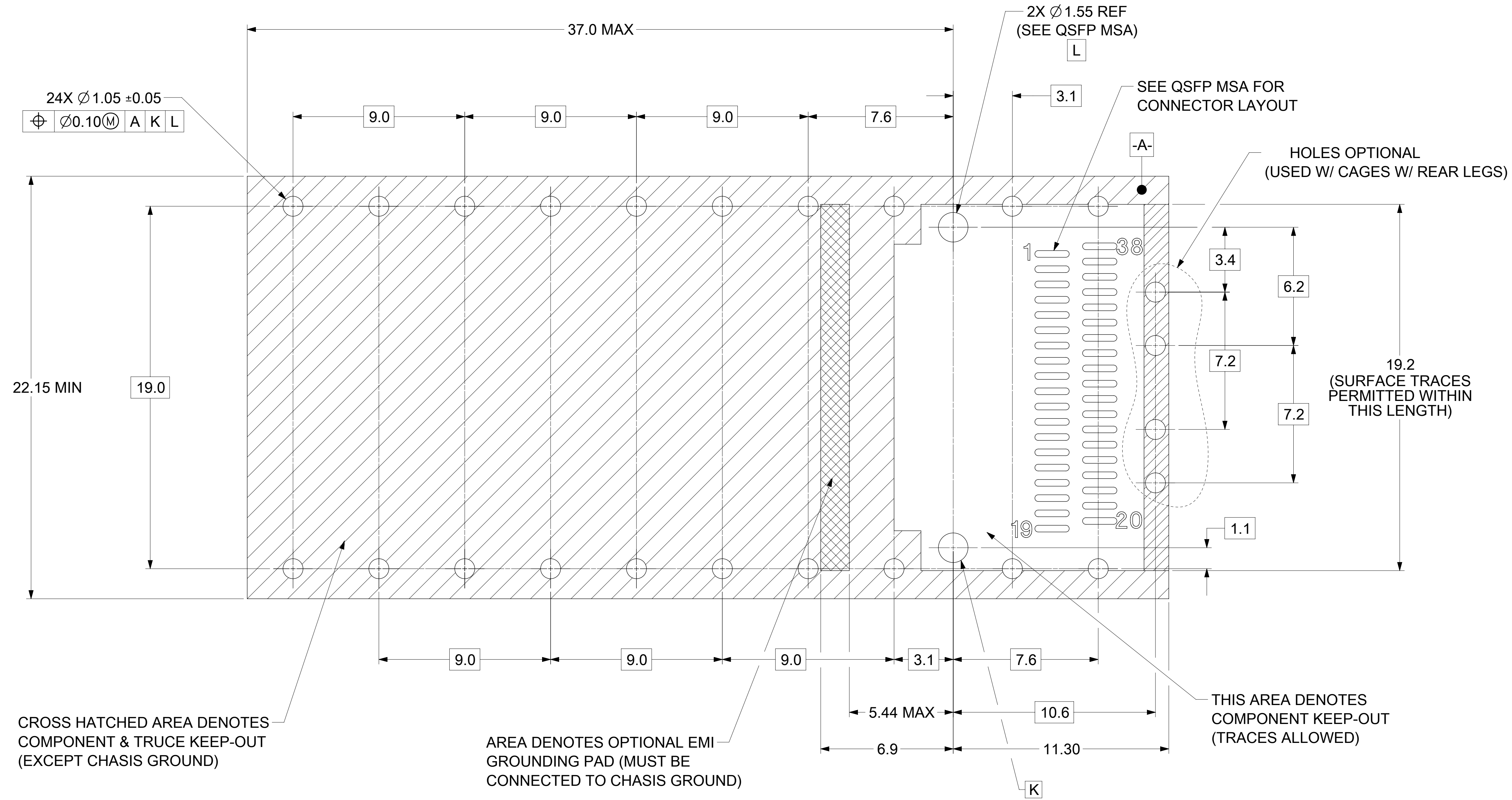
**molex**

QSFP+ 1X1 CAGE ASSEMBLY 2RL  
 W/ ELASTOMERIC GASKET, QUAD LP, SUS SPRING  
 FINGER & CUSTOM HS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 747503601  
 DOC TYPE: PSD  
 DOC PART: ASY  
 REVISION: A

# PCB LAYOUT FOR BELLY-TO-BELLY APPLICATIONS



NOTE:  
FOR RECOMENDED CENTER  
OF LIGHT PIPES,  
SEE SHEET 4

CROSS HATCHED AREA DENOTES  
COMPONENT & TRUCE KEEP-OUT  
(EXCEPT CHASIS GROUND)

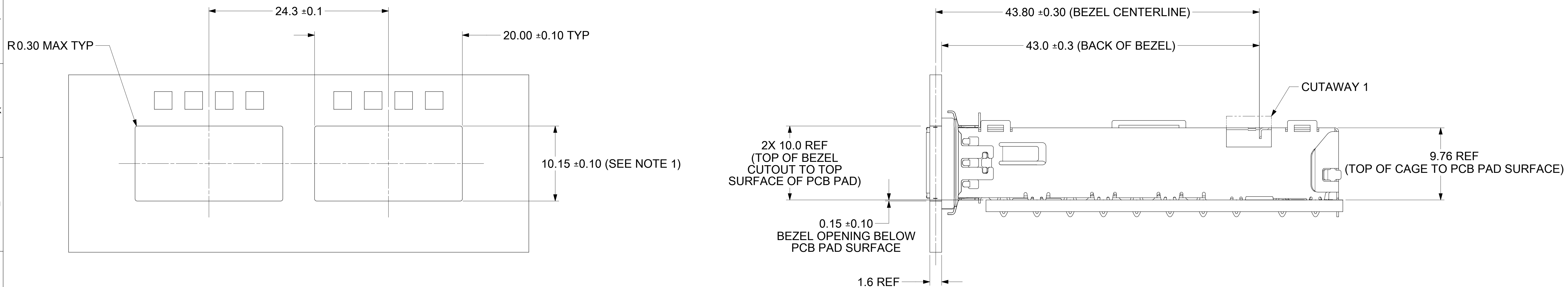
AREA DENOTES OPTIONAL EMI  
GROUNDING PAD (MUST BE  
CONNECTED TO CHASIS GROUND)

THIS AREA DENOTES  
COMPONENT KEEP-OUT  
(TRACES ALLOWED)

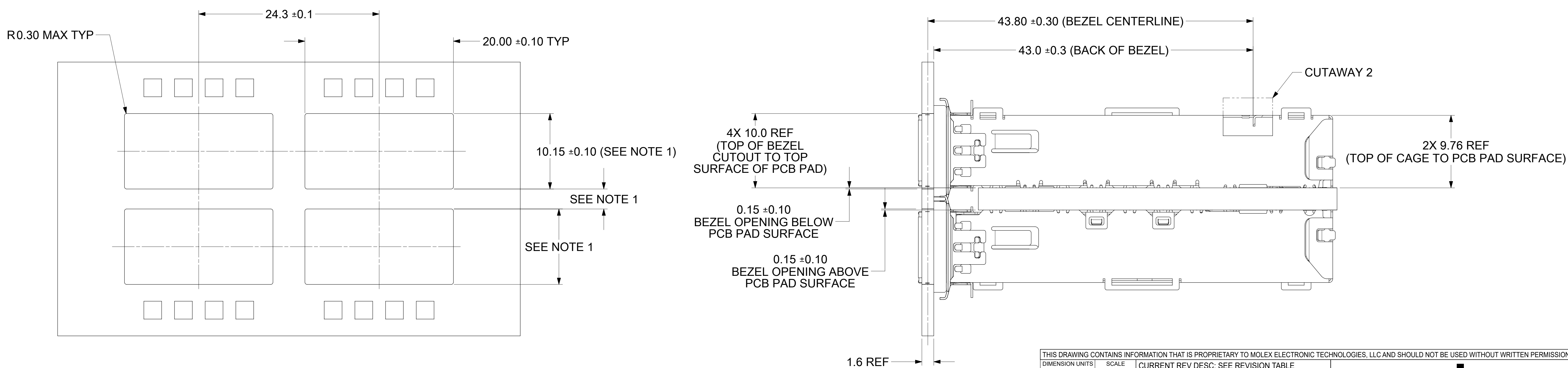
- NOTES:
- DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
  - FINISHED HOLE SIZE (AFTER PLATING)
  - DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
  - BELLY TO BELLY BOARD THICKNESS:  
NOMINAL: 2.90mm  
MINIMUM: 2.48mm

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	8:1	<p><b>molex</b></p> <p>QSFP+ 1X1 CAGE ASSEMBLY 2RL W/ ELASTOMERIC GASKET, QUAD LP, SUS SPRING FINGER &amp; CUSTOM HS</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: <b>747503601</b>    DOC TYPE: PSD    DOC PART: ASY    REVISION: A</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13								
1 PLACE	± 0.25	EC NO: 712623	DRWN: PKH	2022/05/23					
0 PLACES	±	CHK'D: VISHNM2	2022/06/29						
		APPR: SCHIEN	2022/07/07						
		INITIAL REVISION:							
		DRWN: PKH	2022/05/23						
		APPR: SCHIEN	2022/07/07						
		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
		⊕	D-SIZE	74750	SEE P/N TABLE		5 OF 8		

## BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



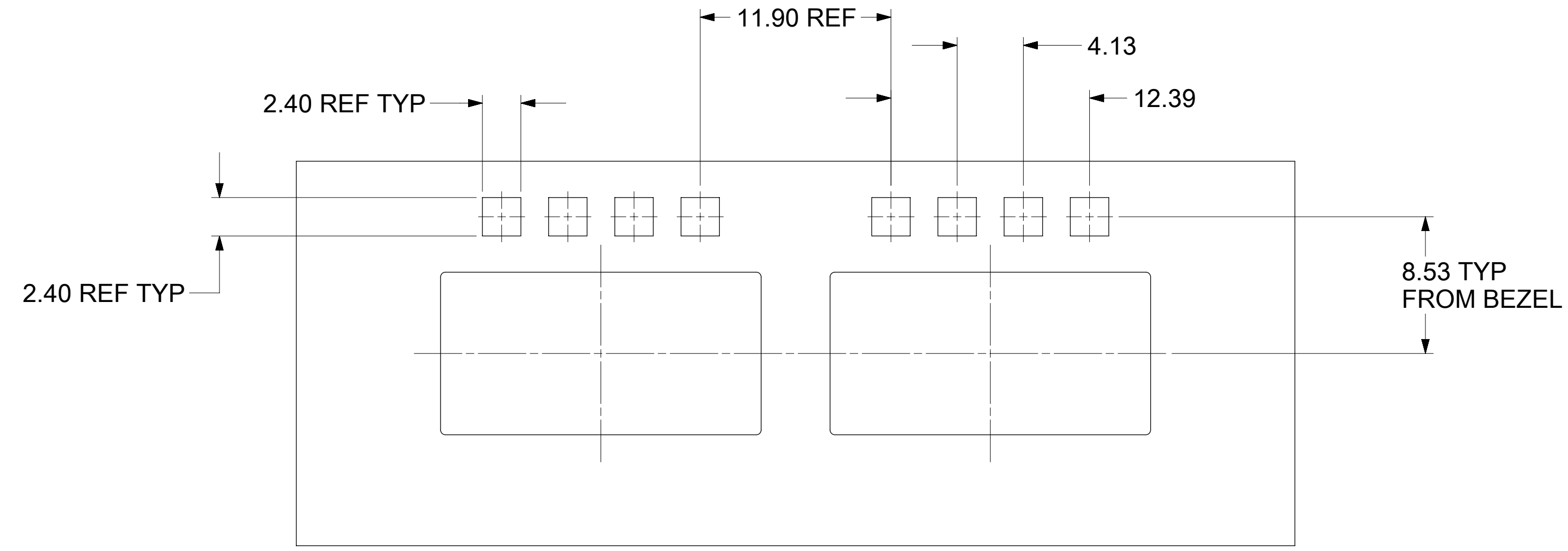
## BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



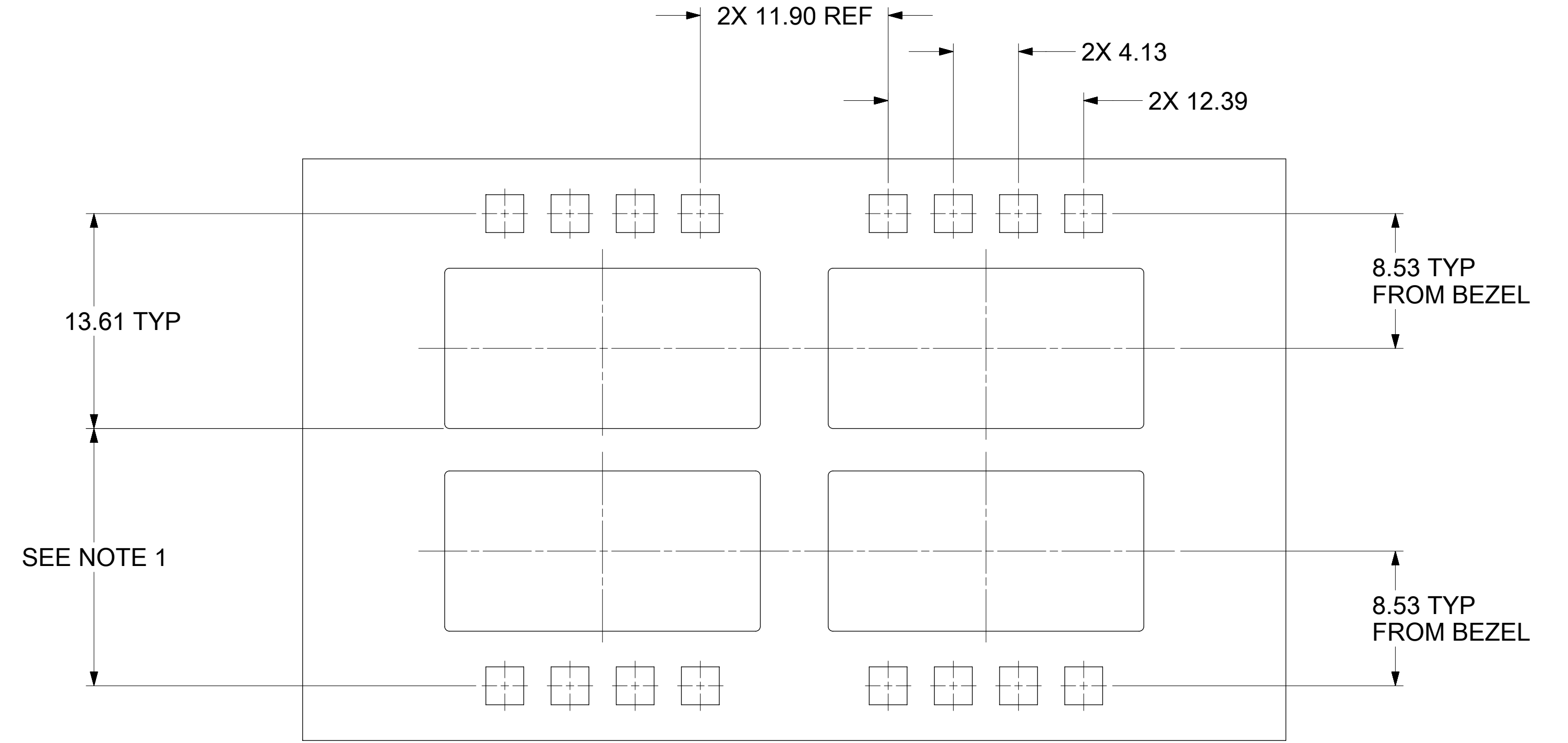
NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	4:1	EC NO: 712623 DRWN: PKH 2022/05/23 CHK'D: VISHNM2 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/05/23 APPR: SCHIEN 2022/07/07							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0°									
4 PLACES ±									
3 PLACES ±									
2 PLACES ± 0.13		PRODUCT CUSTOMER DRAWING							
1 PLACE ± 0.25		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES ±		747503601		PSD		ASY		A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
			D-SIZE	74750	SEE P/N TABLE				6 OF 8

# BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



# BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS FOR BELLY-TO-BELLY MOUNTING



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

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DIMENSION UNITS <b>mm</b>		SCALE <b>4:1</b>		CURRENT REV DESC: SEE REVISION TABLE							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623							
ANGULAR TOL ± 1.0°				DRWN: PKH 2022/05/23				PRODUCT CUSTOMER DRAWING			
4 PLACES ±				CHK'D: VISHNM2 2022/06/29							
3 PLACES ±				APPR: SCHIEN 2022/07/07				DOC TYPE PSD ASY A			
2 PLACES ± 0.13				INITIAL REVISION:							
1 PLACE ± 0.25				DRWN: PKH 2022/05/23				MATERIAL NUMBER SEE P/N TABLE			
0 PLACES ±				APPR: SCHIEN 2022/07/07							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING <b>D-SIZE</b>		SERIES <b>74750</b>		SHEET NUMBER <b>7 OF 8</b>	



REV	DATE	DESCRIPTION
A	2022/06/25	INITIAL RELEASE

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>1:1</b>		CURRENT REV DESC: SEE REVISION TABLE						<h1 style="text-align: center;">molex</h1> <p style="text-align: center;">QSFP+ 1X1 CAGE ASSEMBLY 2RL W/ ELASTOMERIC GASKET, QUAD LP, SUS SPRING FINGER &amp; CUSTOM HS</p> <p style="text-align: center;">PRODUCT CUSTOMER DRAWING</p>		
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623								
ANGULAR TOL ± 1.0°				DRWN: PKH 2022/05/23								
4 PLACES ±				CHK'D: VISHNM2 2022/06/29								
3 PLACES ±				APPR: SCHIEN 2022/07/07								
2 PLACES ± 0.13				INITIAL REVISION:								
1 PLACE ± 0.25				DRWN: PKH 2022/05/23								
0 PLACES ±				APPR: SCHIEN 2022/07/07								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING <b>D-SIZE</b>		SERIES <b>74750</b>		DOCUMENT NUMBER <b>747503601</b>		DOC TYPE <b>PSD</b>	DOC PART <b>ASY</b>	REVISION <b>A</b>
MATERIAL NUMBER SEE P/N TABLE				CUSTOMER				SHEET NUMBER 8 OF 8				