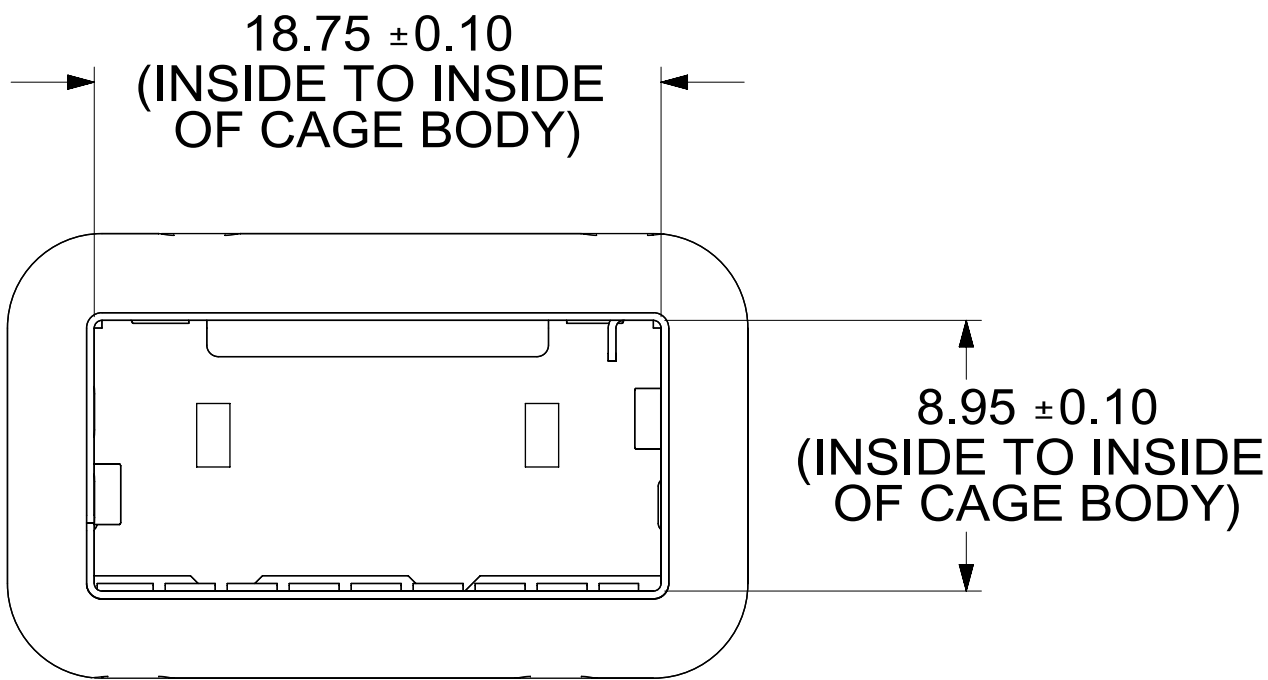
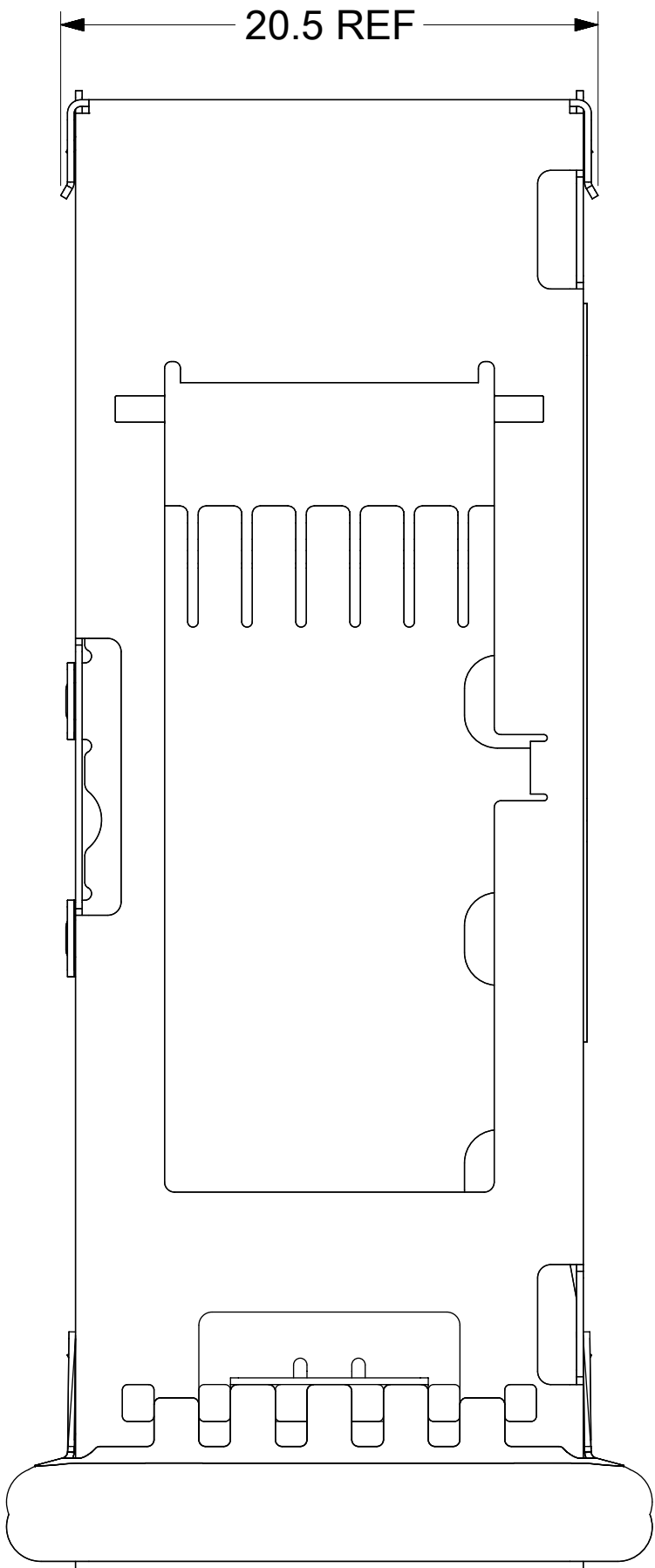
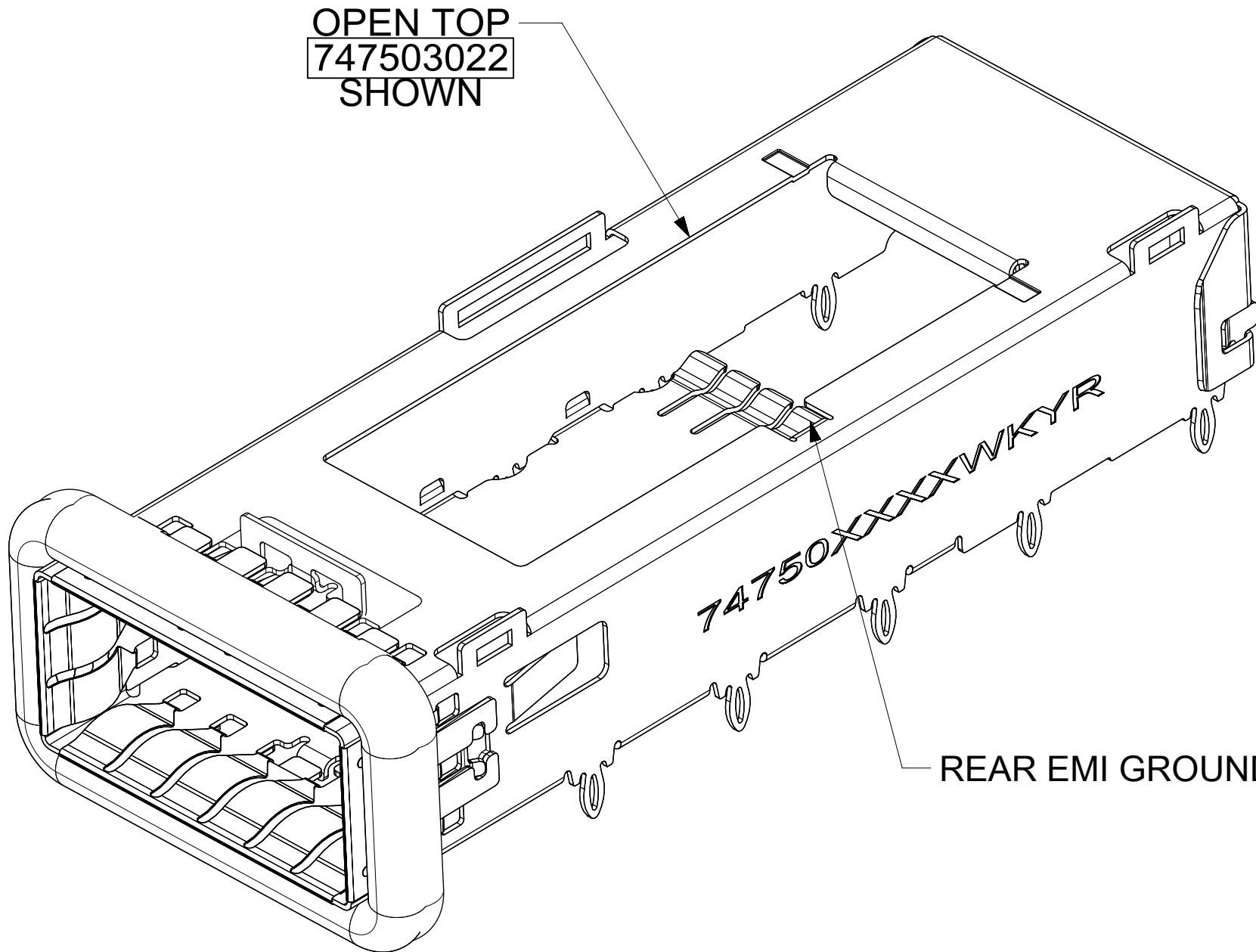


CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

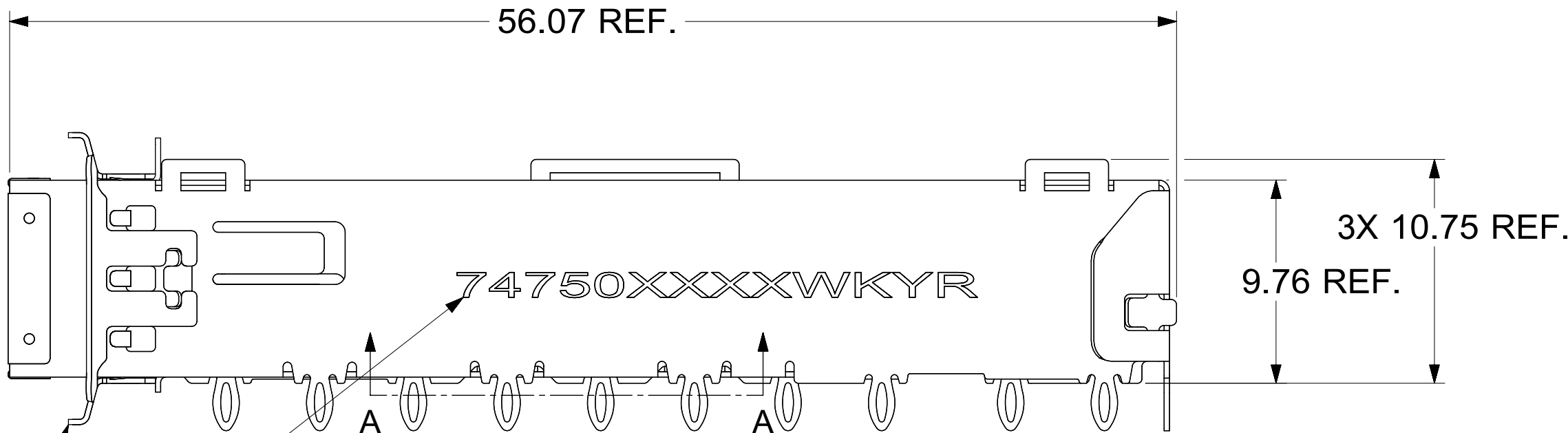
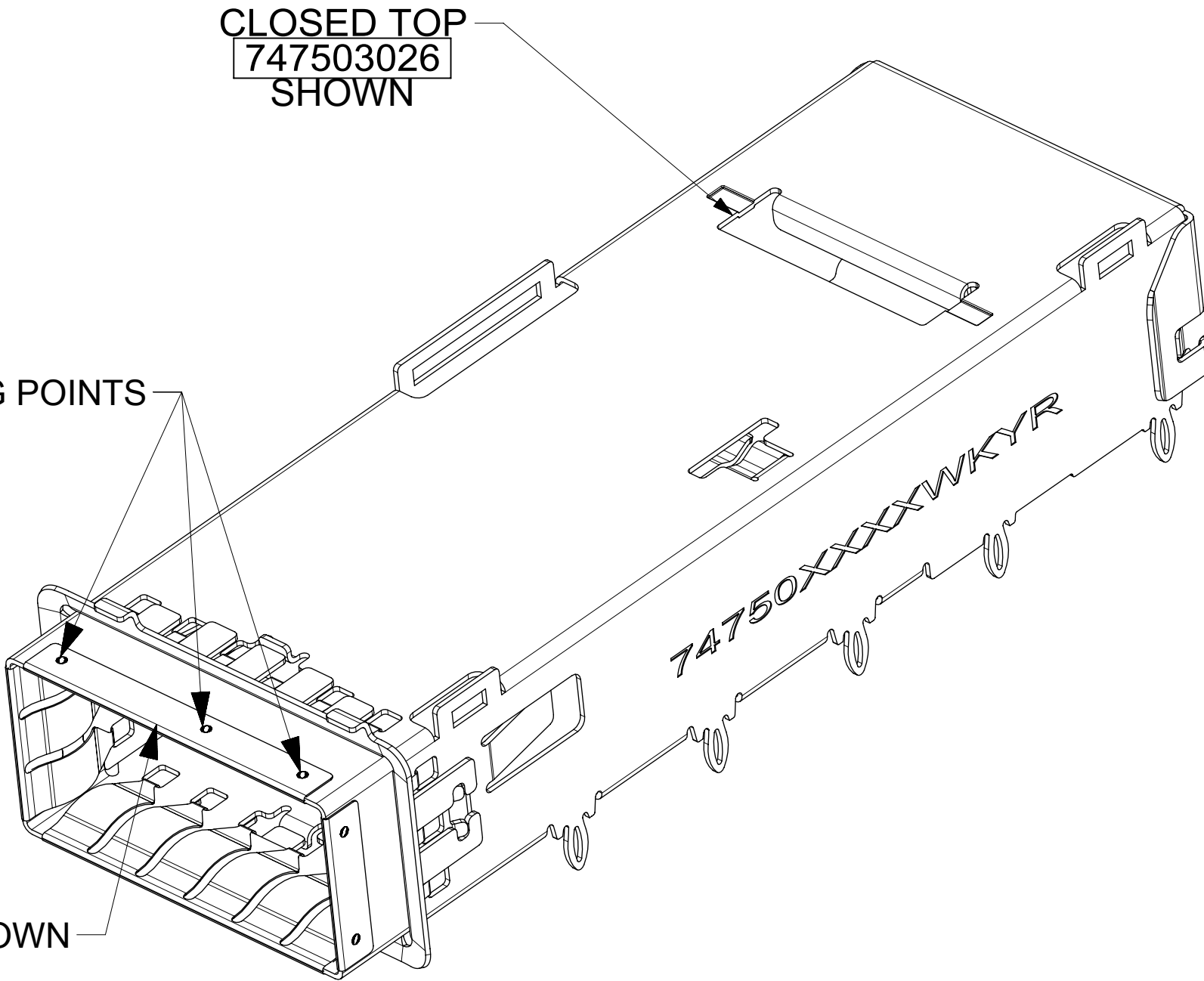


NOTE:
INTERNAL SPRING FINGERS
REMOVED FROM THIS VIEW FOR CLARITY.



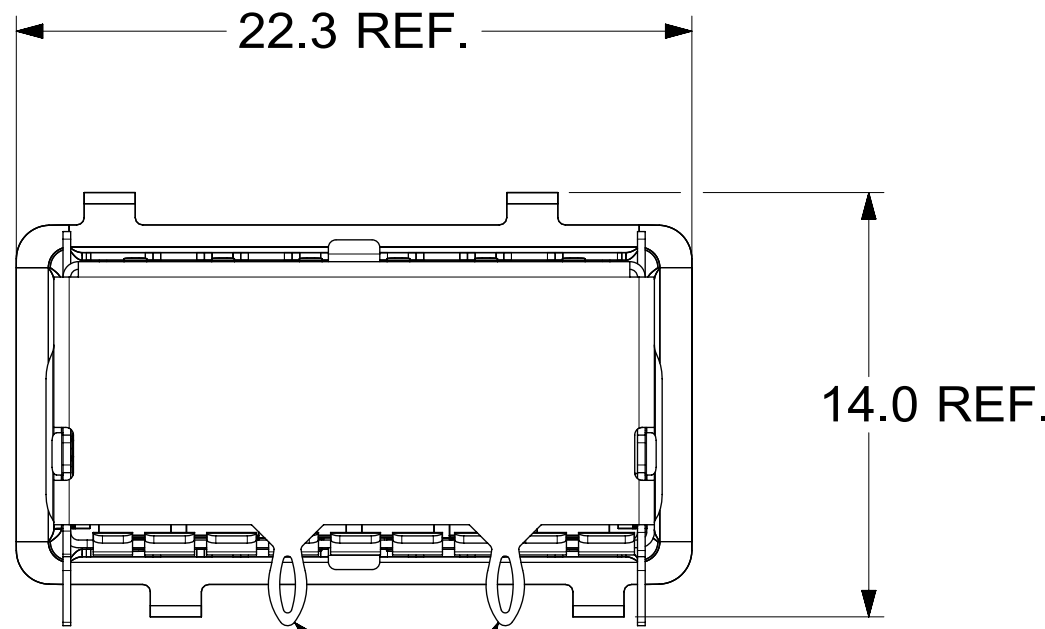
LASER WELDING POINTS
(SEE NOTE 7)

GASKET NOT SHOWN
FOR CLARITY



GASKET NOT SHOWN
FOR CLARITY

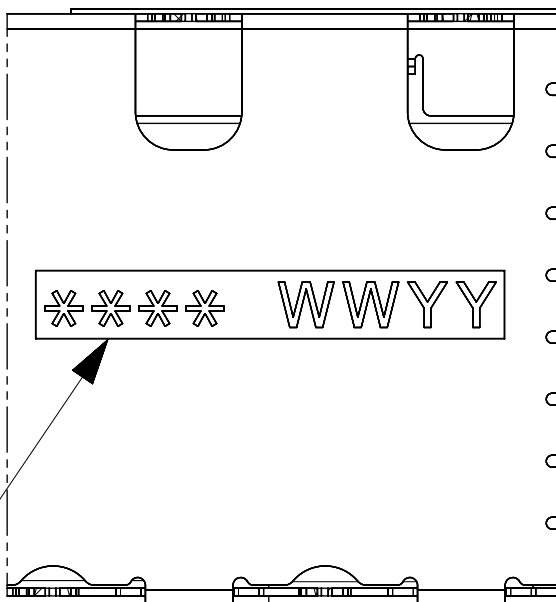
PN/DATE CODE TO BE PRINTED ON THE SIDE OF
COMPLETED CAGE ASSEMBLY APPROXIMATLY AS SHOWN.
SEE TABLE BELOW FO DATE CODE INFORMATION.



REAR PINS ARE OPTIONAL
(SEE CHART)

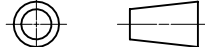
NOTE:
GASKET REMOVED FROM THIS
VIEW FOR CLARITY.

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

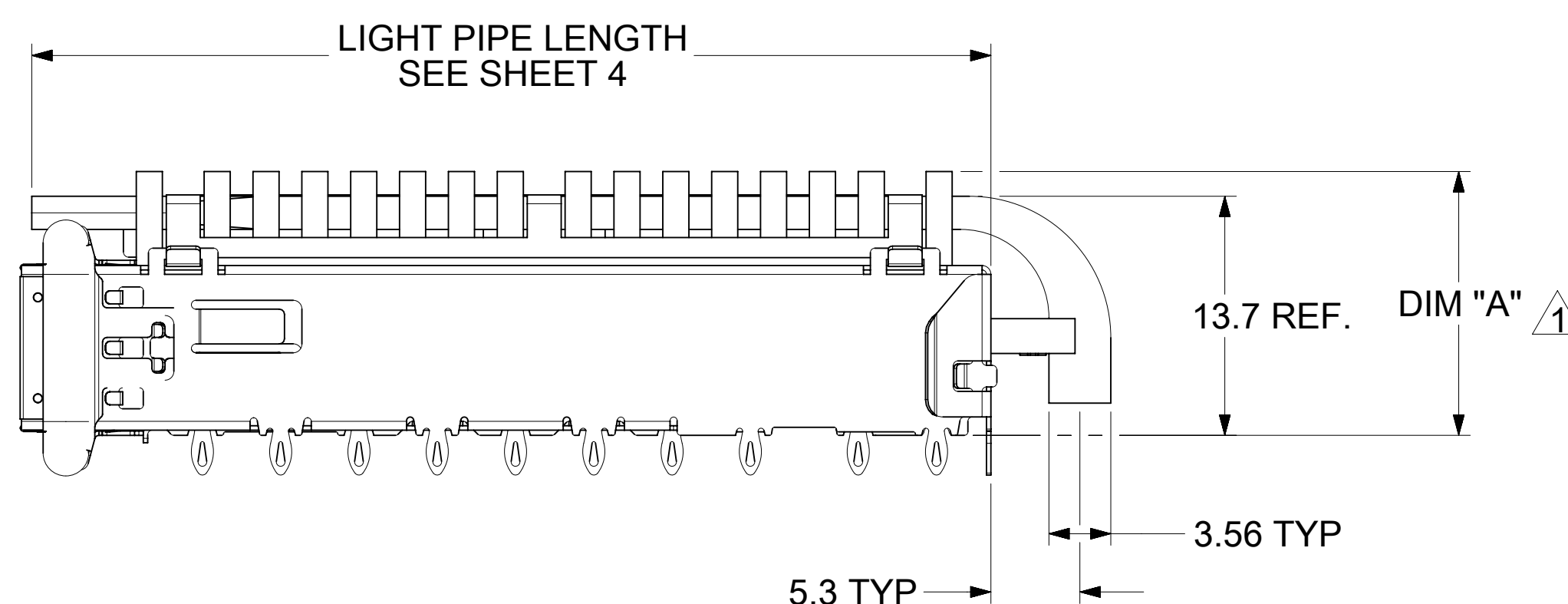
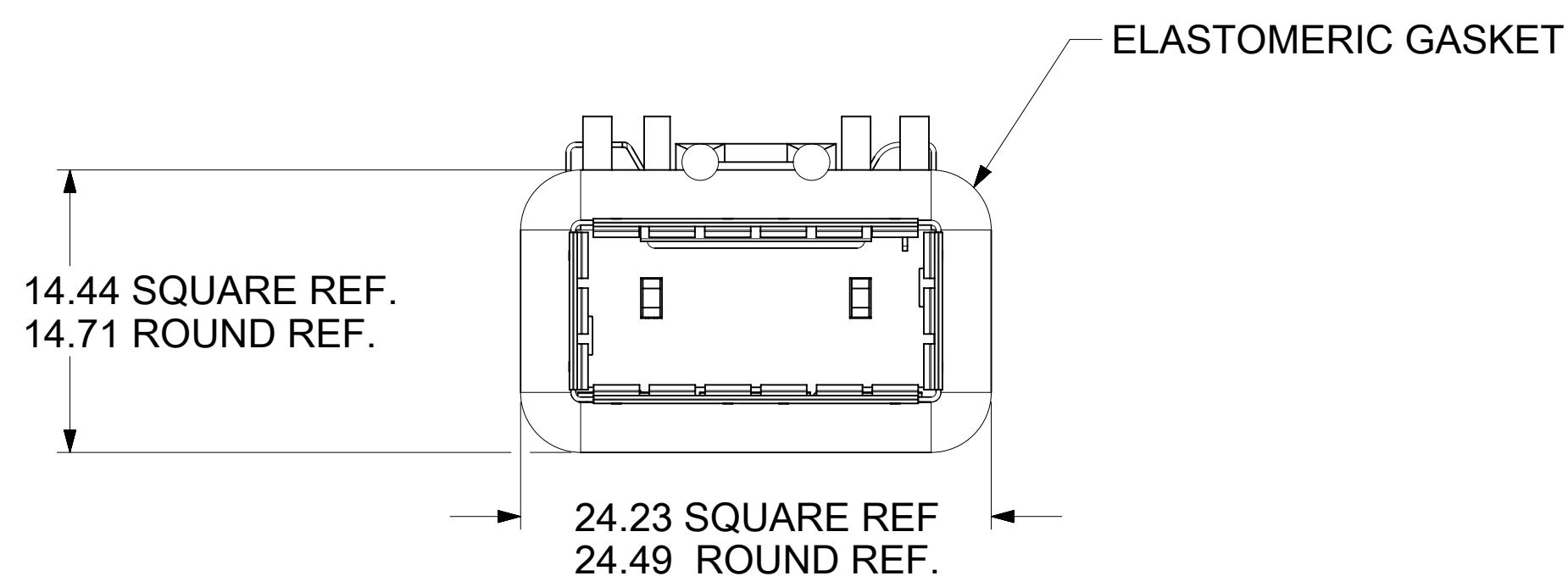
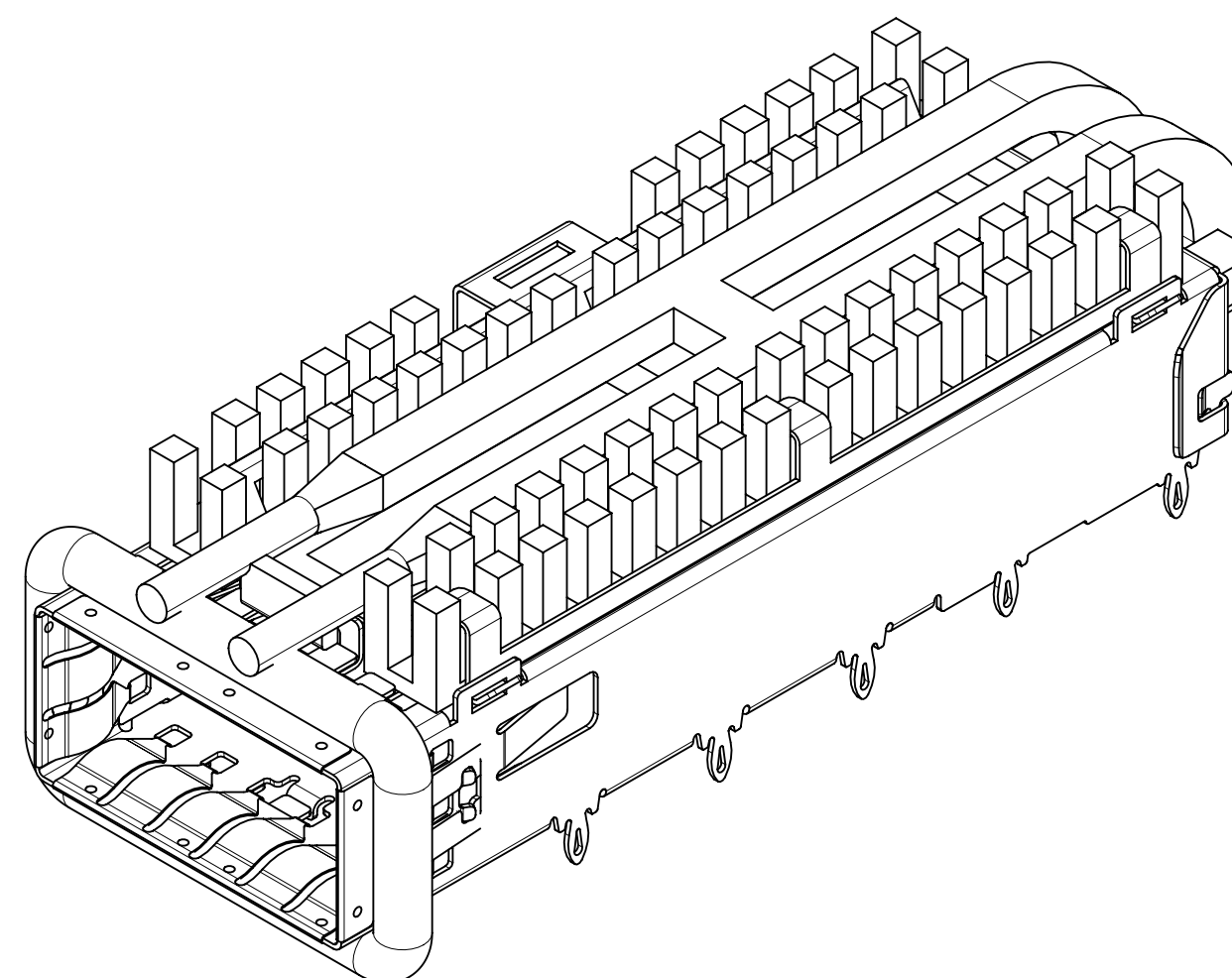
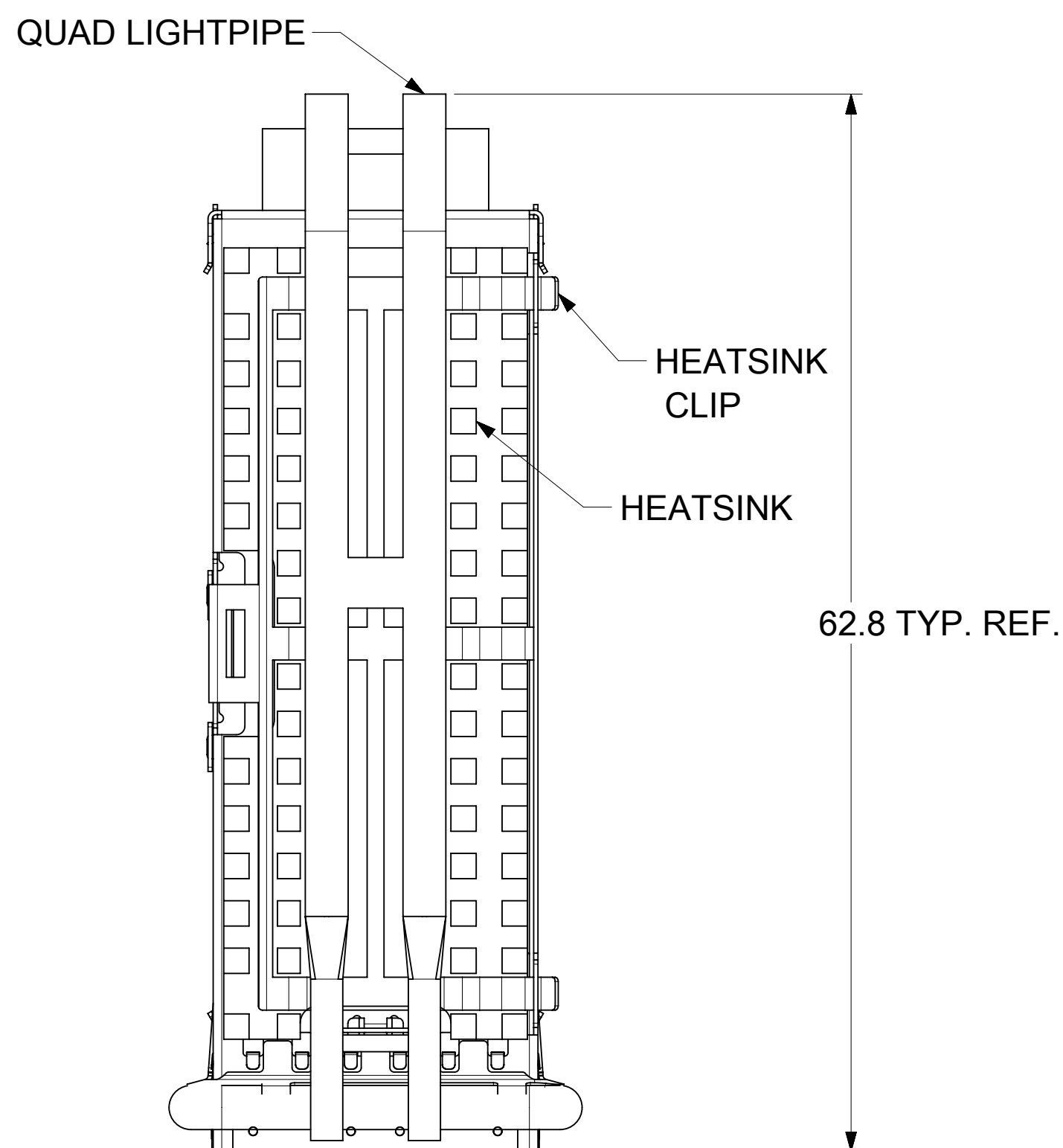


SECTION A-A

- 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 ANNODIZED).
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:			molex		
mm	1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 712623					QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)		
ANGULAR TOL ± 1.0 °		DRWN: PKH 2022/05/27			PRODUCT CUSTOMER DRAWING				
4 PLACES ±		CHK'D: DKUMARG 2022/06/29							
3 PLACES ±		APPR: SCHIEN 2022/07/07							
2 PLACES ± 0.13		INITIAL REVISION:			DOCUMENT NUMBER 747503022		DOC TYPE PSD	DOC PART ASY	REVISION A
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	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
				D-SIZE	74750	SEE SHEET 4			1 OF 9

CAGE ASSEMBLY OPTIONS

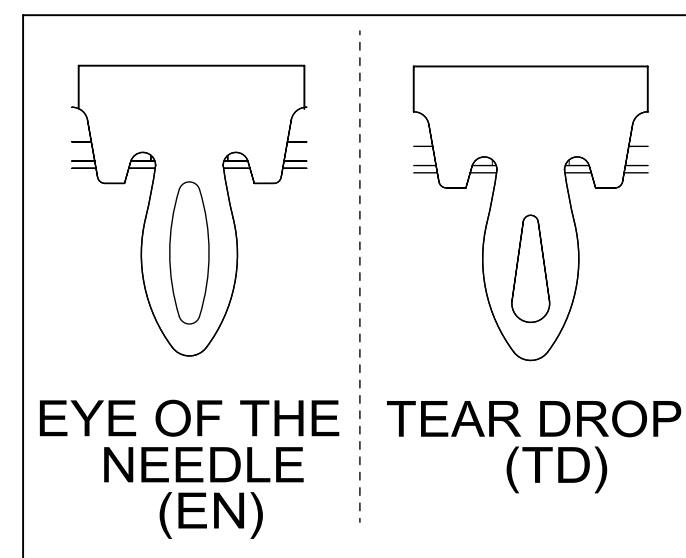


HEATSINK HEIGHT OPTIONS

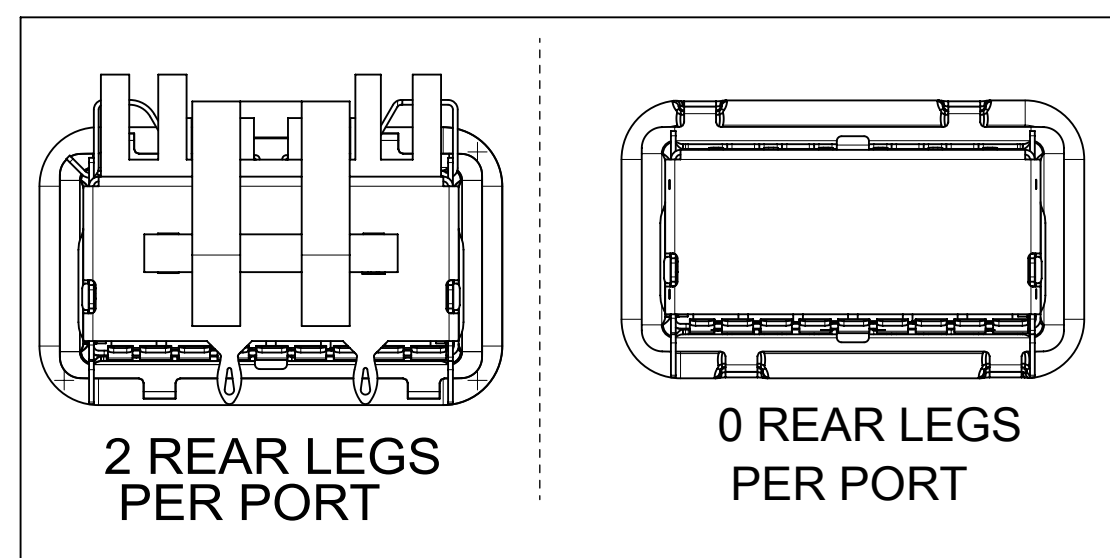
OVERALL HEATSINK HEIGHT	DIM 'A'	TOL
PCI	13.7	+0.25
SAN	16.0	
NET	23.0	-0.73
CUSTOM	21.0	

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

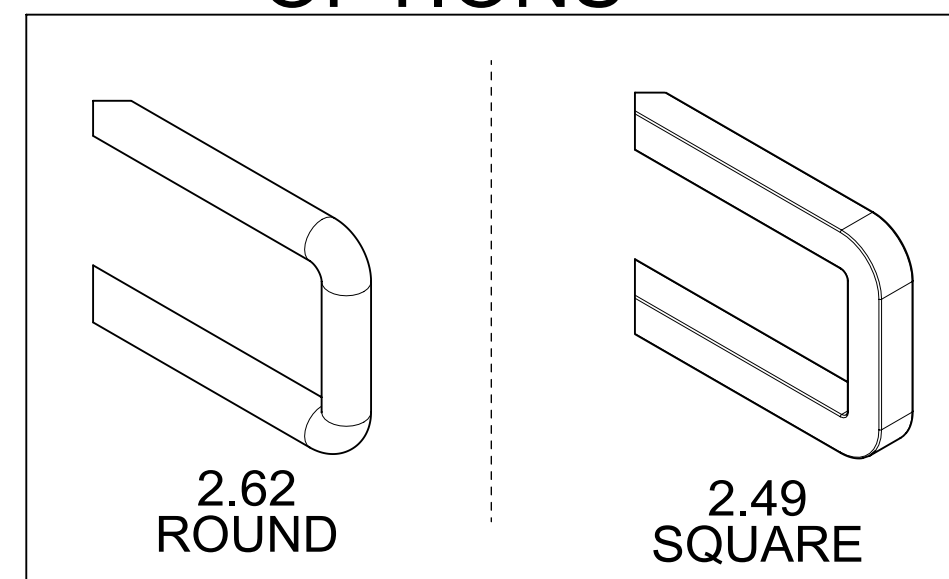
LEG OPTIONS



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:				molex							
mm		3:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)											
ANGULAR TOL ± 1.0 °															
4 PLACES		±		EC NO: 712623				PRODUCT CUSTOMER DRAWING							
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				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		±		INITIAL REVISION:											
DRWN: PKH 2022/05/27				747503022		PSD		ASY		A					
APPR: SCHIEN 2022/07/07															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		74750		SEE SHEET 4				2 OF 9	

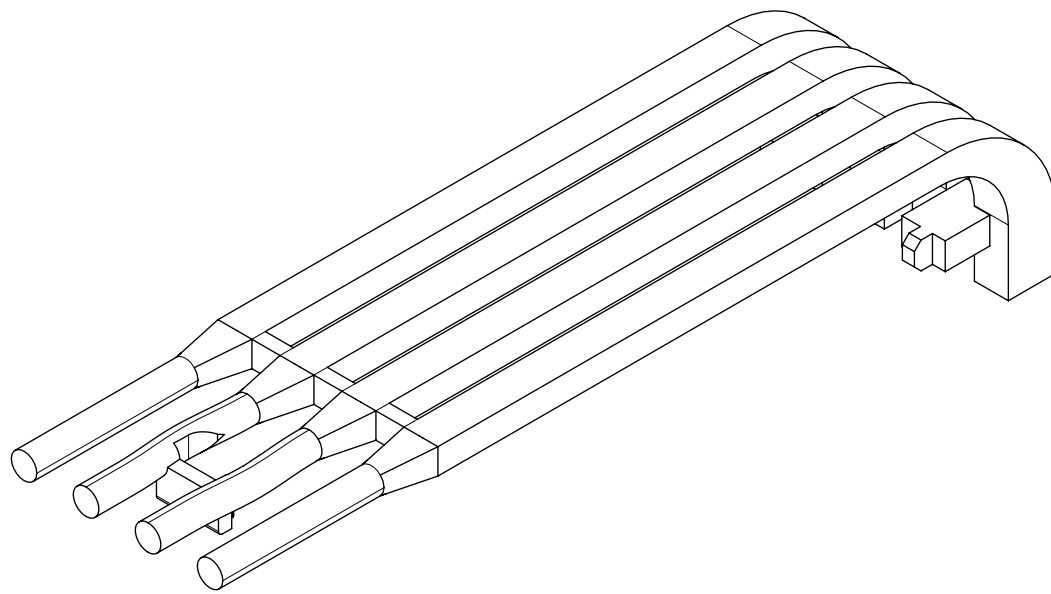
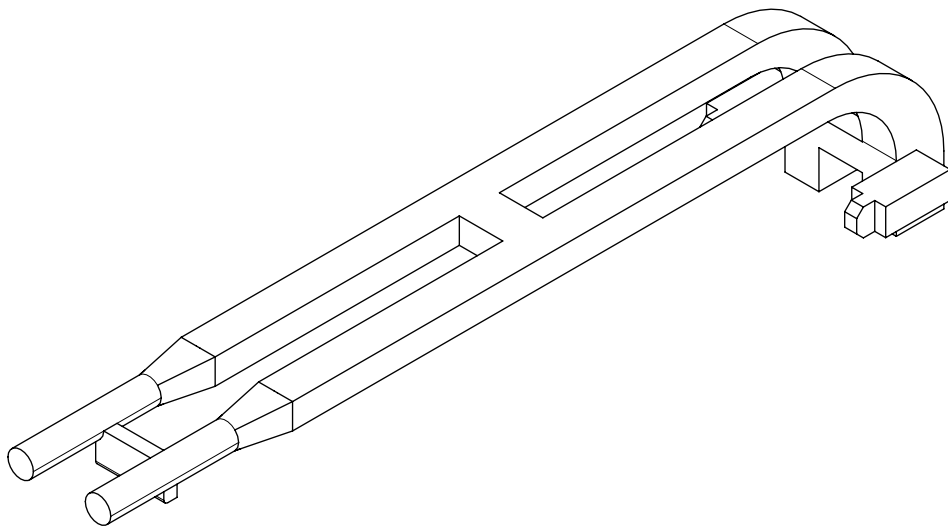
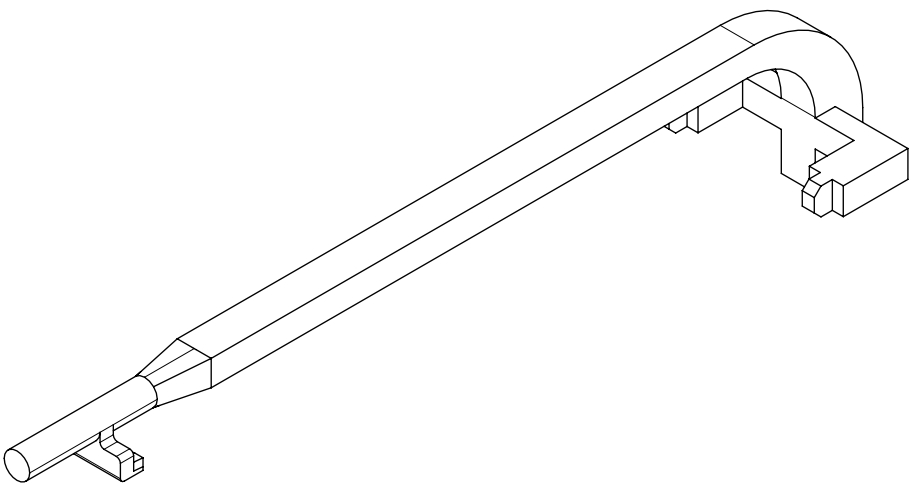
HEATSINK AND LIGHT PIPE OPTIONS

HEATSINK ONLY

SINGLE LIGHT PIPE

DUAL LIGHT PIPE

QUAD LIGHT PIPE

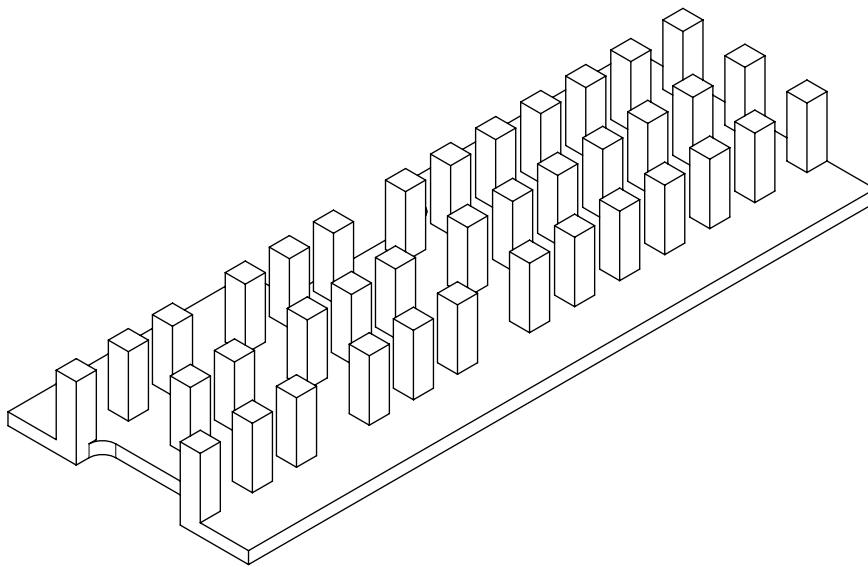
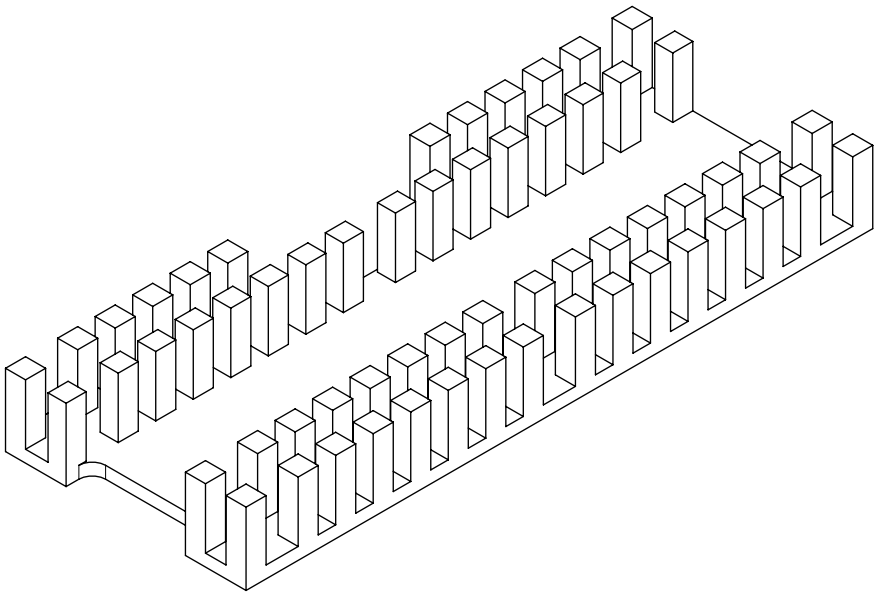
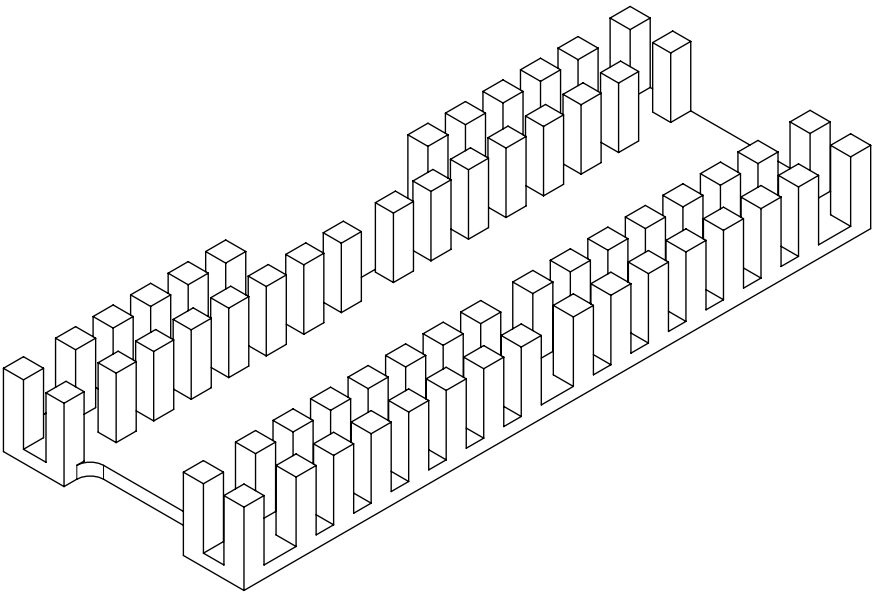
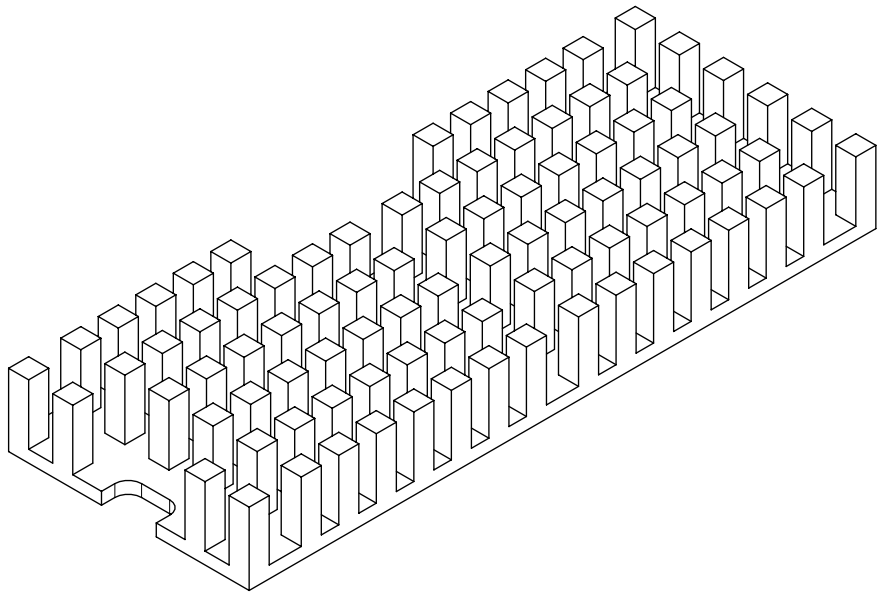


PIN FIELD HEATSINK FOR NO LIGHT PIPE

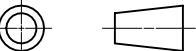
PIN FIELD HEATSINK FOR SINGLE LIGHT PIPE

PIN FIELD HEATSINK FOR DUAL LIGHT PIPE

PIN FIELD HEATSINK FOR QUAD LIGHT PIPE

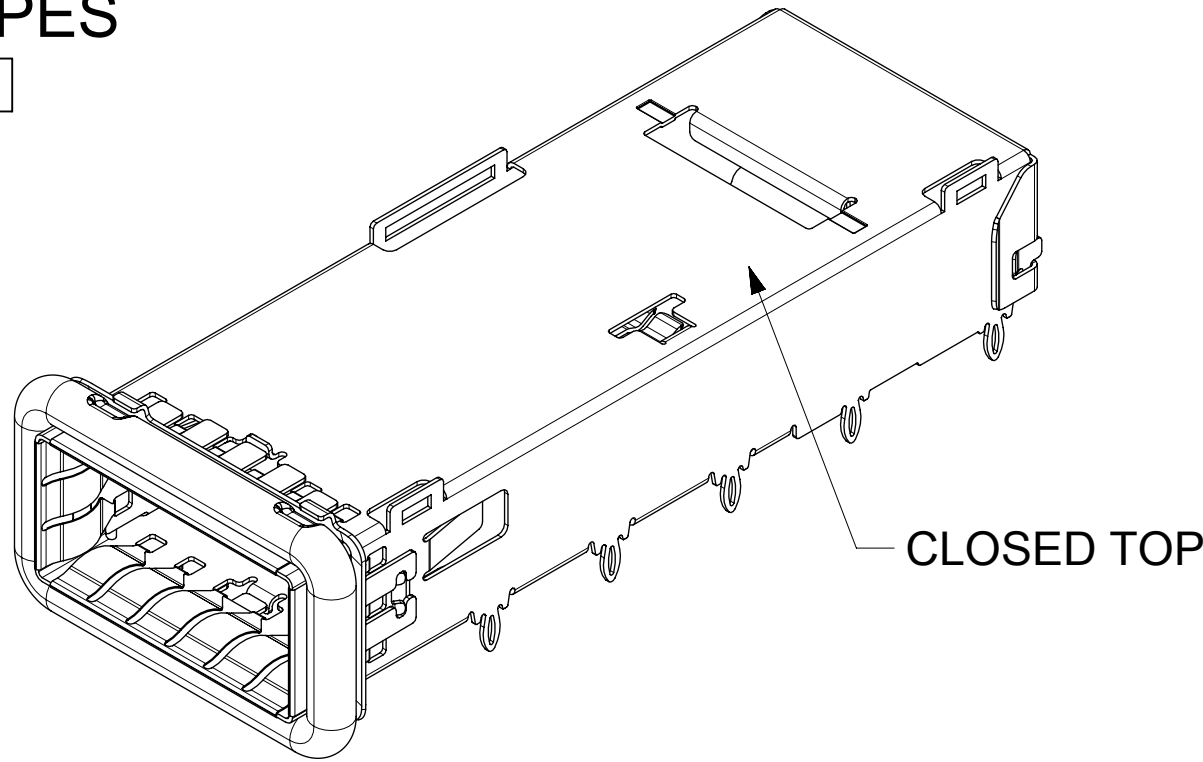


NOTES:
1. MATERIALS:
LIGHT PIPE: LEXAN 940A
HEATSINK: ALUMINUM (BLACK ANNODIZED)

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		2.5:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)							QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)				
ANGULAR TOL ± 1.0°											
4 PLACES		±	EC NO: 712623		PRODUCT CUSTOMER DRAWING						
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		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
0 PLACES		±	INITIAL REVISION:		747503022		PSD	ASY	A		
			DRWN: PKH 2022/05/27								
			APPR: SCHIEN 2022/07/07								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
					D-SIZE	74750	SEE SHEET 4				3 OF 9

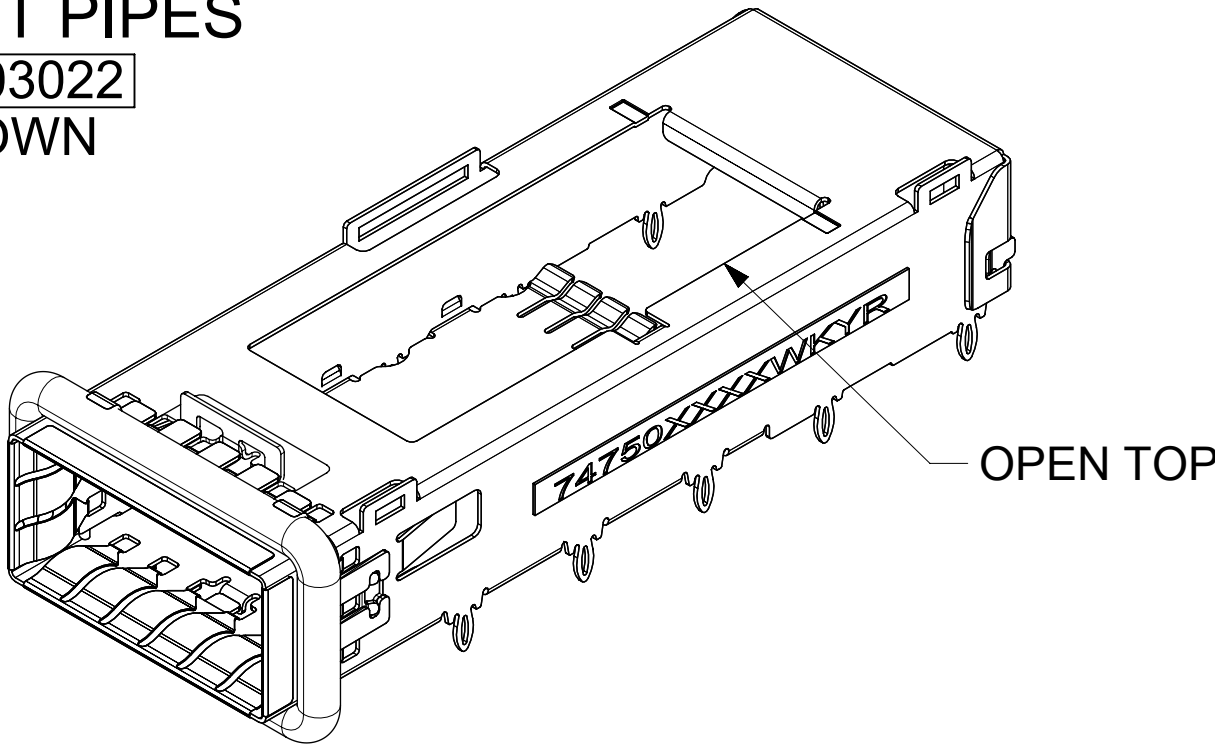
PART NUMBER SELECTION

NO HEATSINKS
NO LIGHT PIPES
747503026
SHOWN



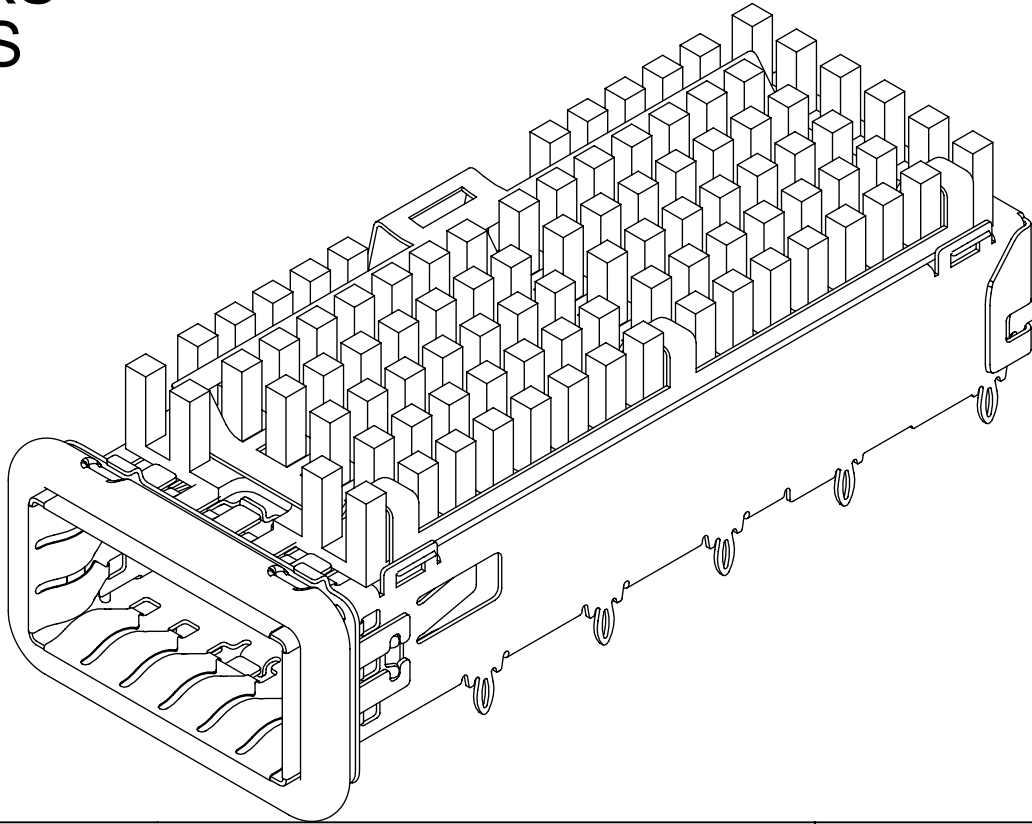
MOLEX P/N		LEG TYPE	# OF REAR LEGS PER PORT
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET		
747503026	---	EN	2

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

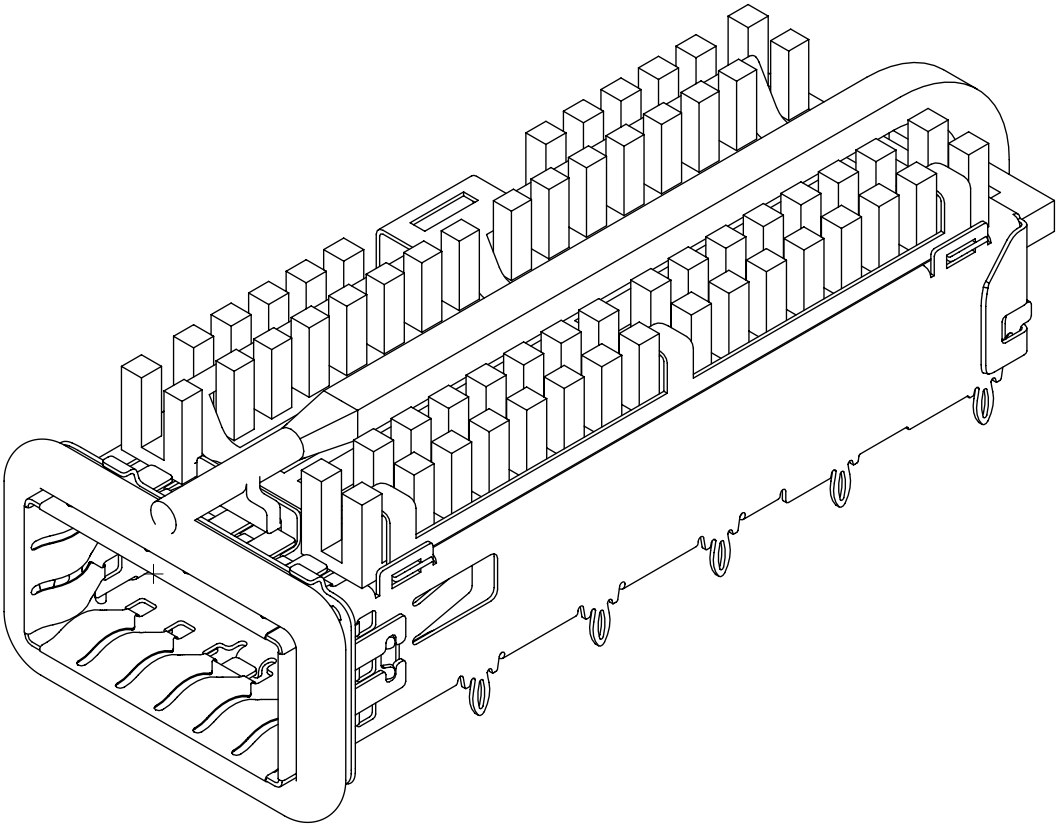


MOLEX P/N		HEAT-SINKS	LEG TYPE	# OF REAR LEGS PER PORT
WITH 2.62 REF ROUND ELASTOMERIC GASKET	WITH 2.49 REF SQUARE ELASTOMERIC GASKET			
747503041	---	SAN	EN	2
747503047	---	NET	EN	2
747503048	---	CUSTOM	EN	2
747503242	---	PCI	TD	2

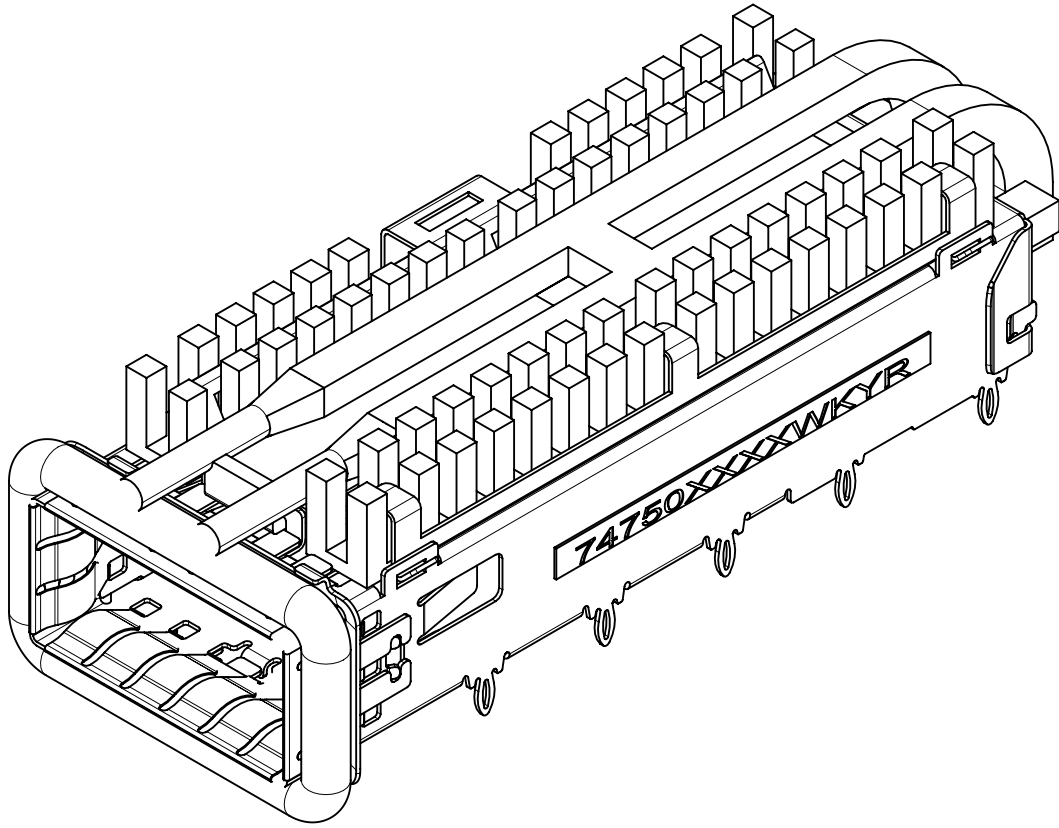
WITH OR WITHOUT HEATSINKS AND LIGHT PIPES

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	

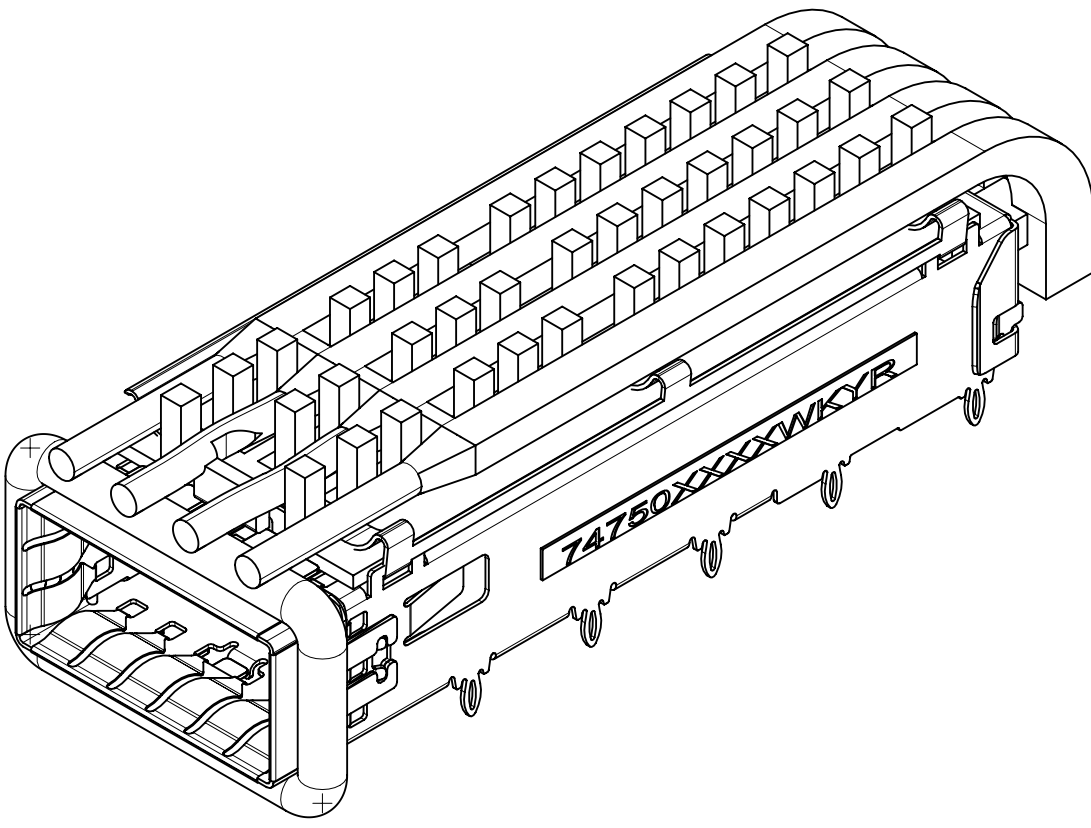
SINGLE
LIGHT PIPE
747503070
SHOWN



DUAL
LIGHT PIPES
747503072
SHOWN



QUAD
LIGHT PIPES
747503571
SHOWN



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

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 DRWN: PKH 2022/05/27 CHK'D: DKUMARG 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/05/27 APPR: SCHIEN 2022/07/07		
ANGULAR TOL	± 1.0 °			
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

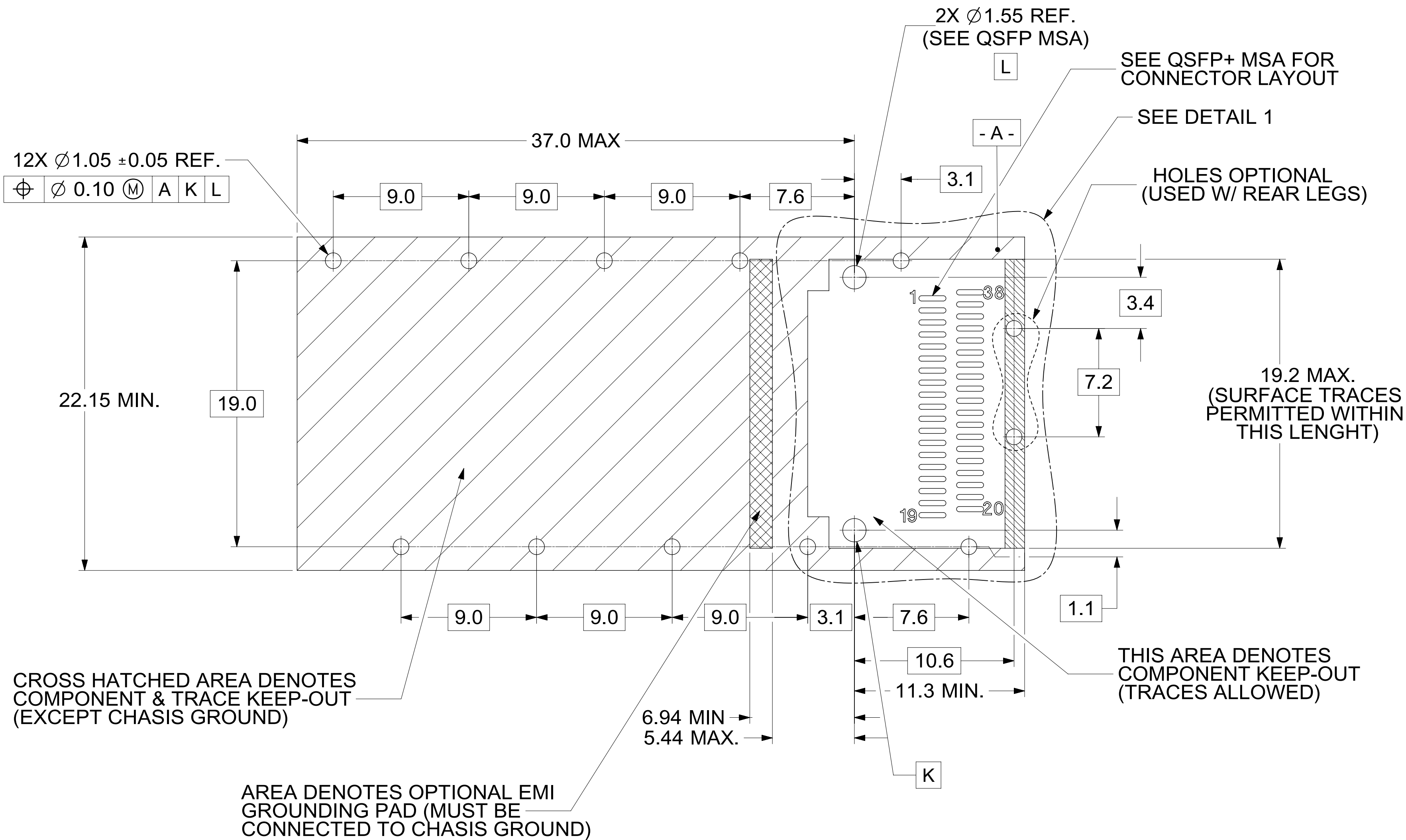
QSFP+ 1X1 CAGE ASSEMBLY
W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
747503022	PSD	ASY	A

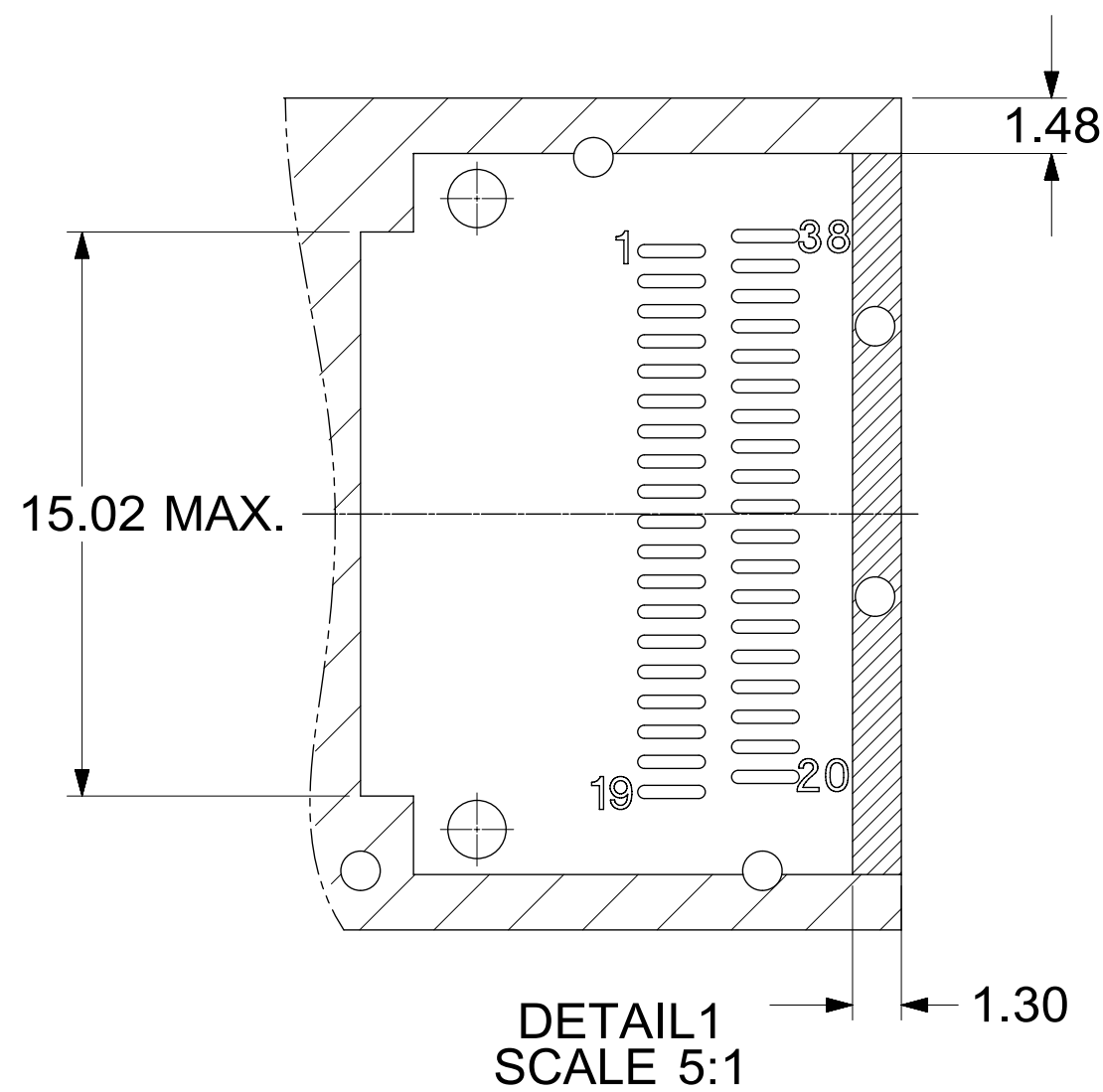
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE		4 OF 9

PCB LAYOUT FOR SINGLE SIDED APPLICATIONS

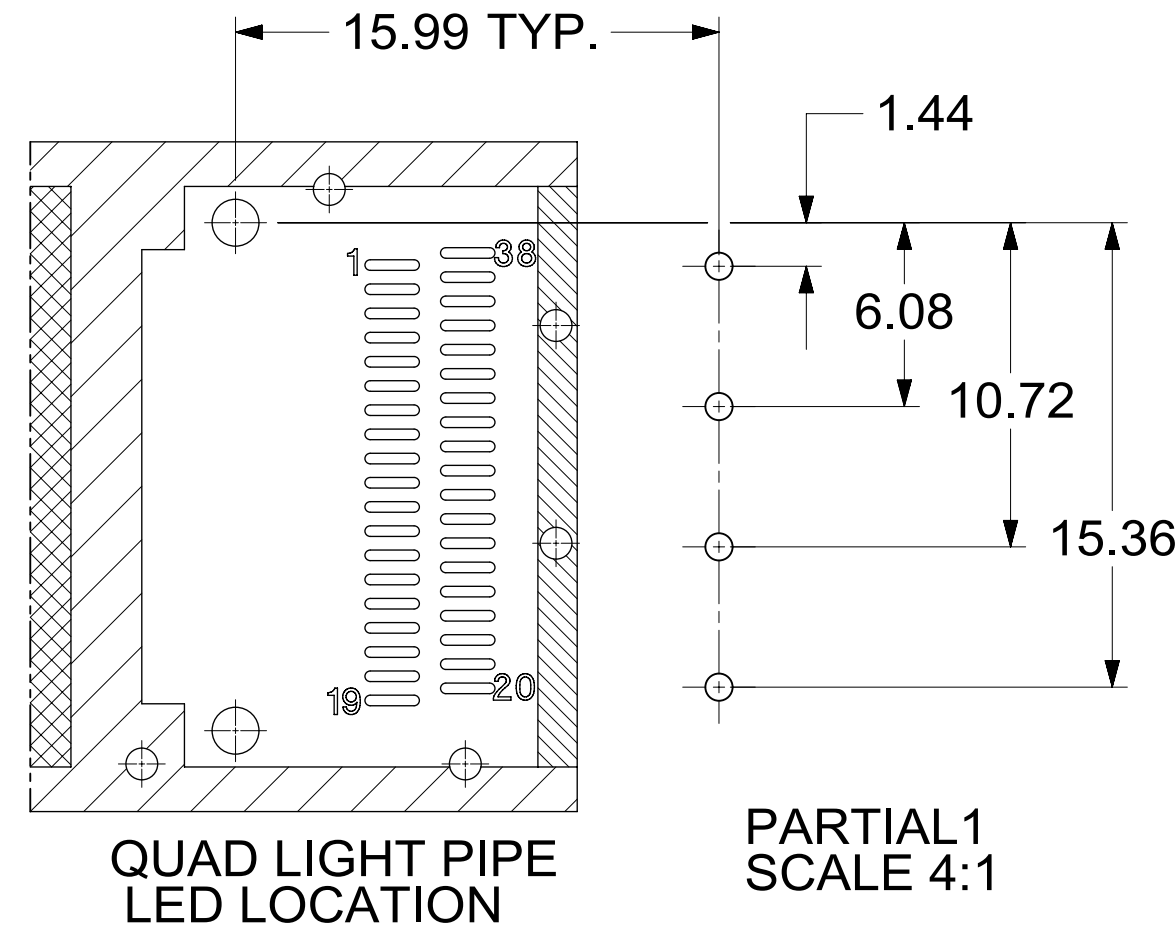
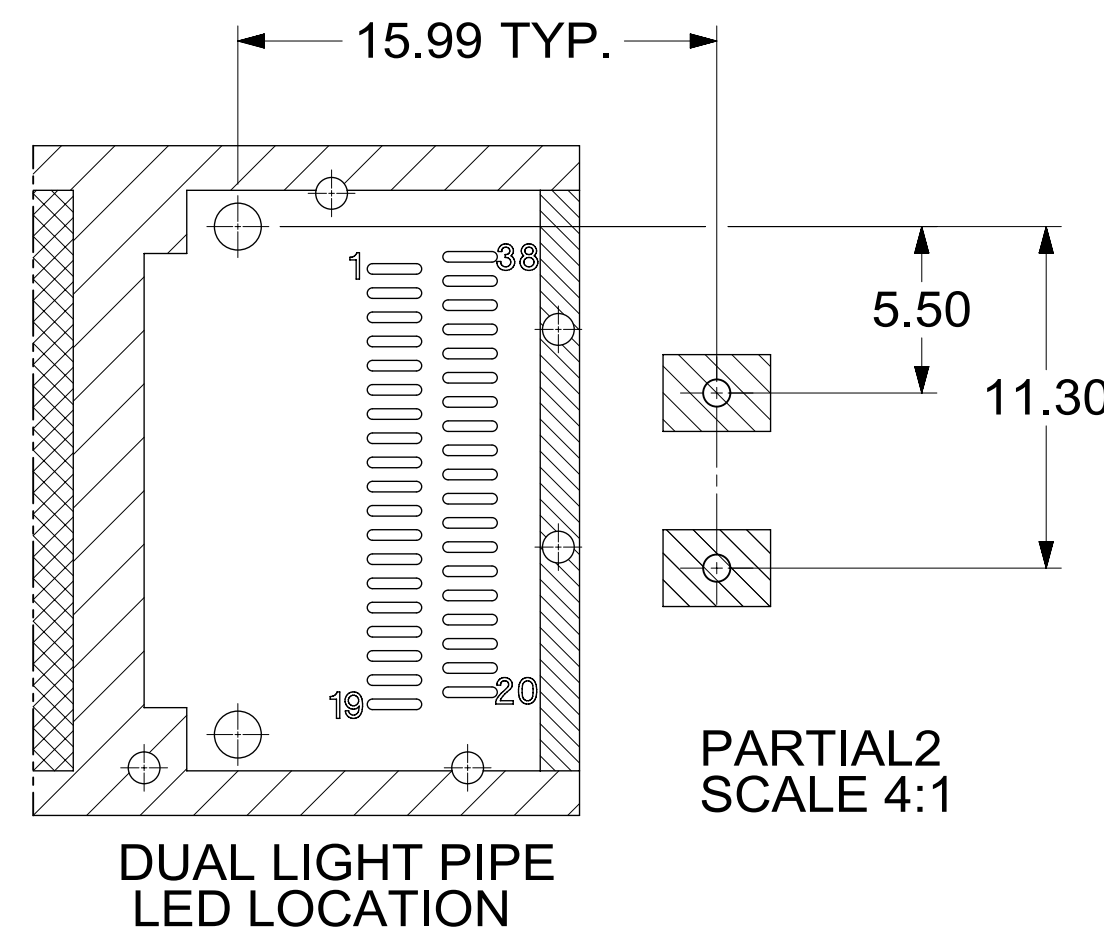
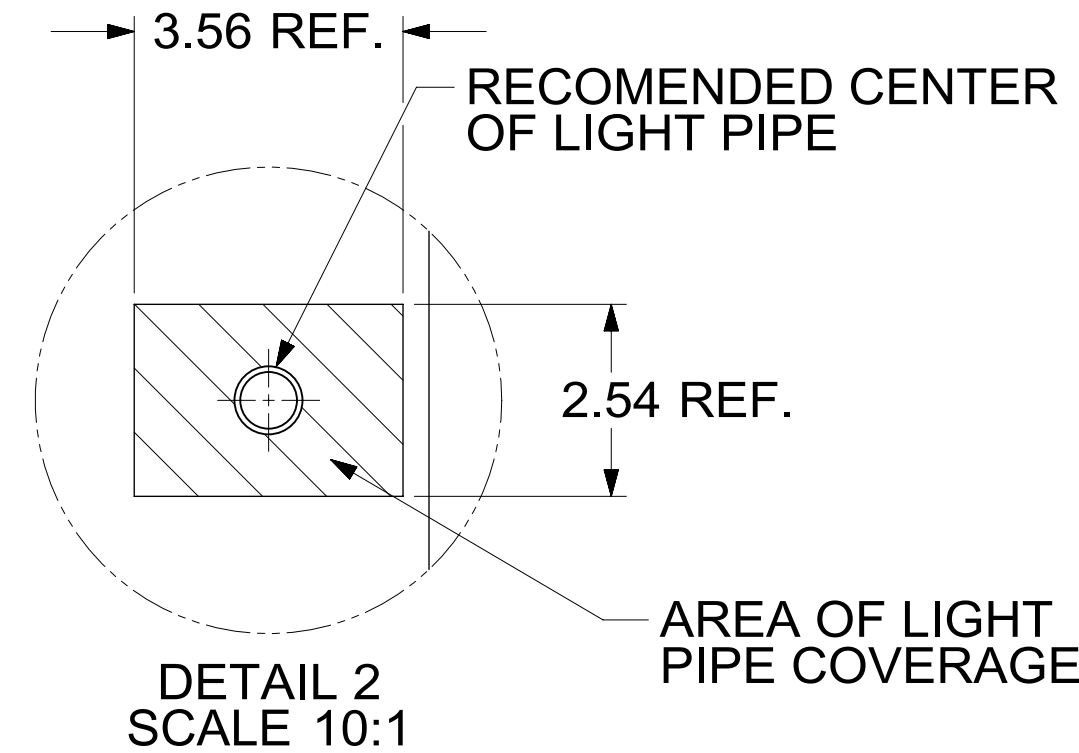
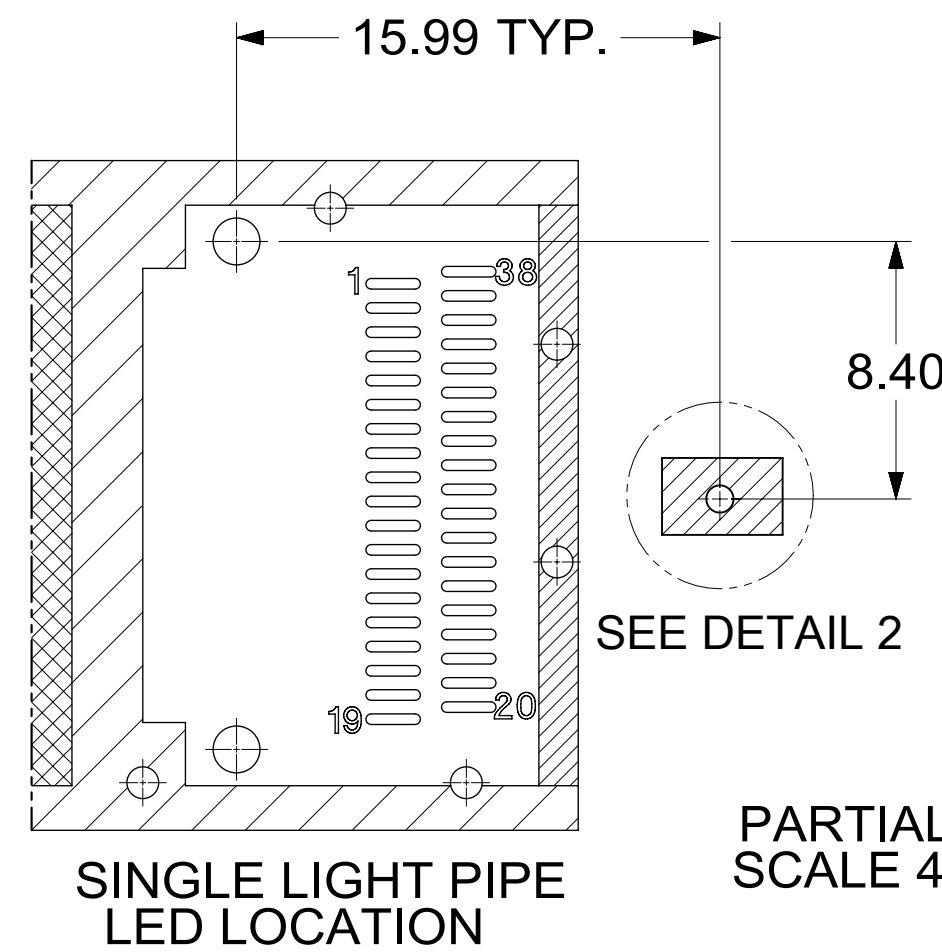


- NOTES:
- DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
 - FINISHED HOLE SIZE (AFTER PLATING)
 - DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
 - DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
 - SINGLE SIDED BOARD THICKNESS:
NOMINAL: 1.60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

HOST CONNECTOR DETAIL

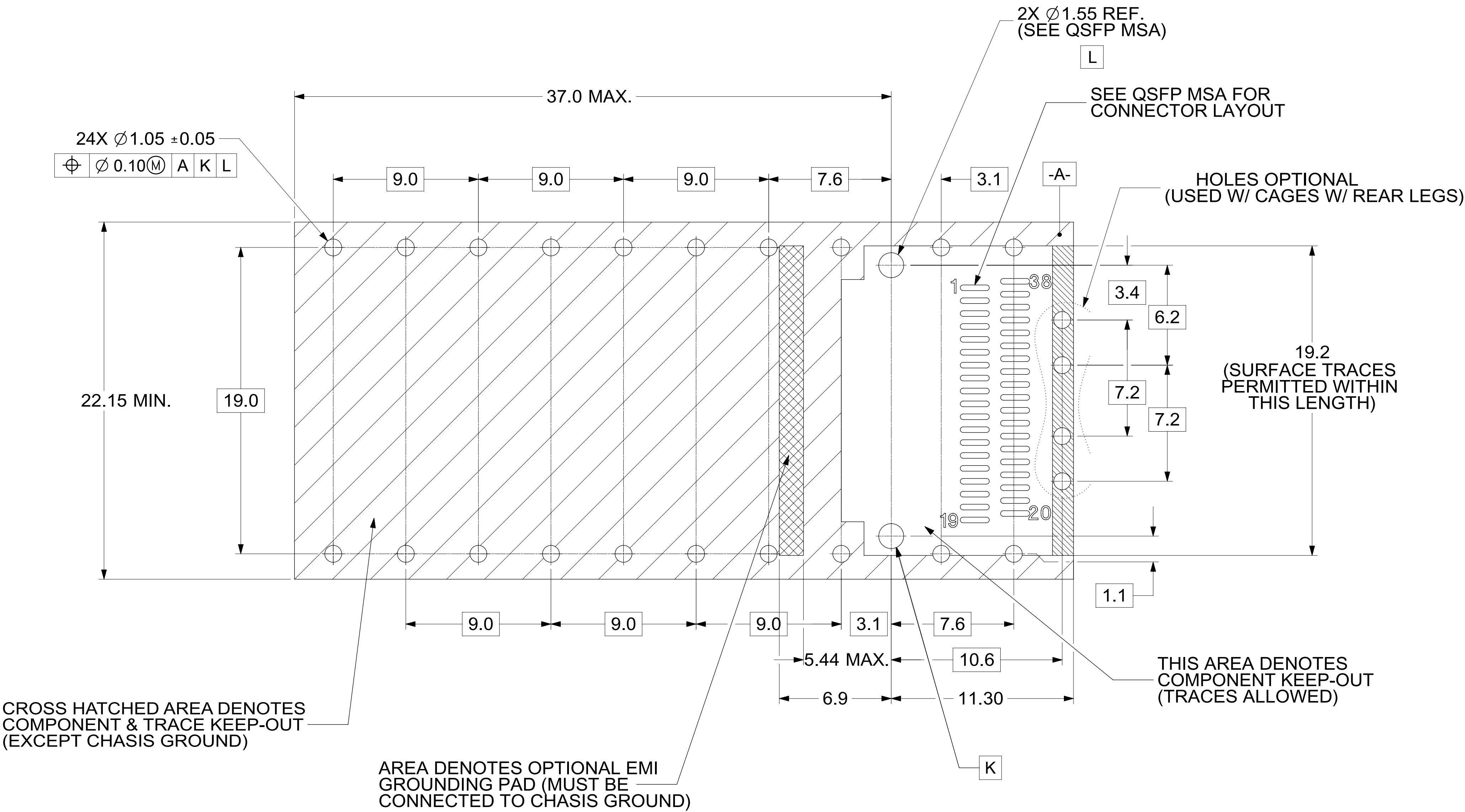


FOR CAGE ASSEMBLIES WITH LIGHT PIPES



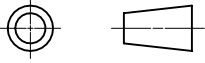
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex								
mm		4:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)							QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)								
ANGULAR TOL ± 1.0 °															
4 PLACES		±		EC NO: 712623			PRODUCT CUSTOMER DRAWING								
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			DOCUMENT NUMBER 747503022								
0 PLACES		±		INITIAL REVISION:						DOC TYPE DOC PART REVISION					
				DRWN: PKH 2022/05/27											
				APPR: SCHIEN 2022/07/07			PSD ASY A								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		74750		SEE SHEET 4				5 OF 9	

PCB LAYOUT FOR BELLY-TO-BELLY APPLICATIONS

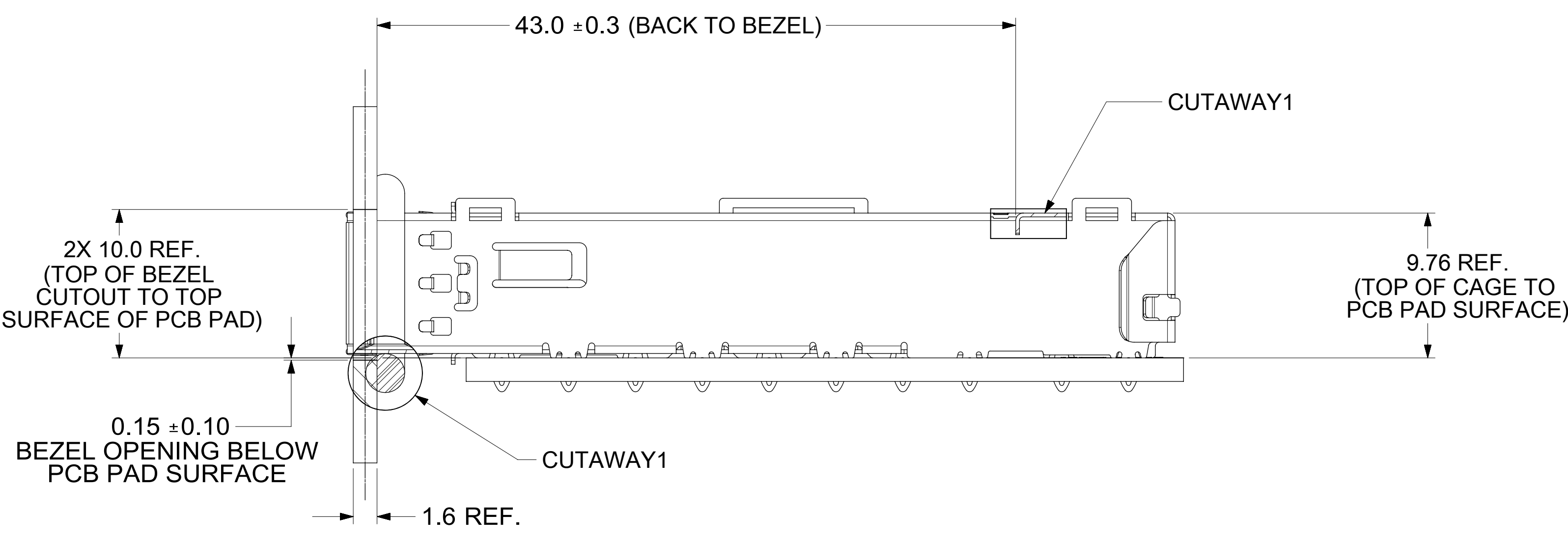
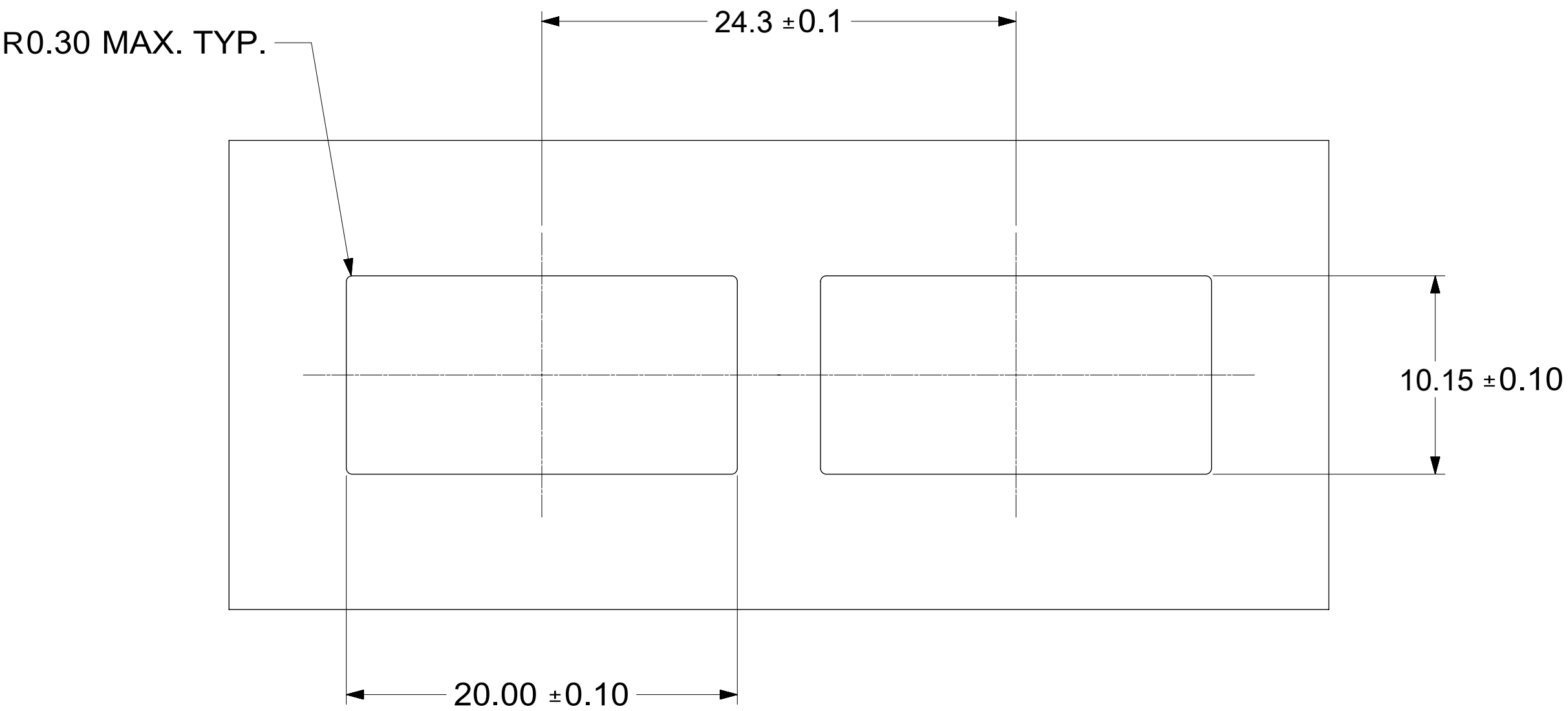


NOTE:
FOR RECOMENDED CENTER
OF LIGHT PIPES,
SEE SHEET 5

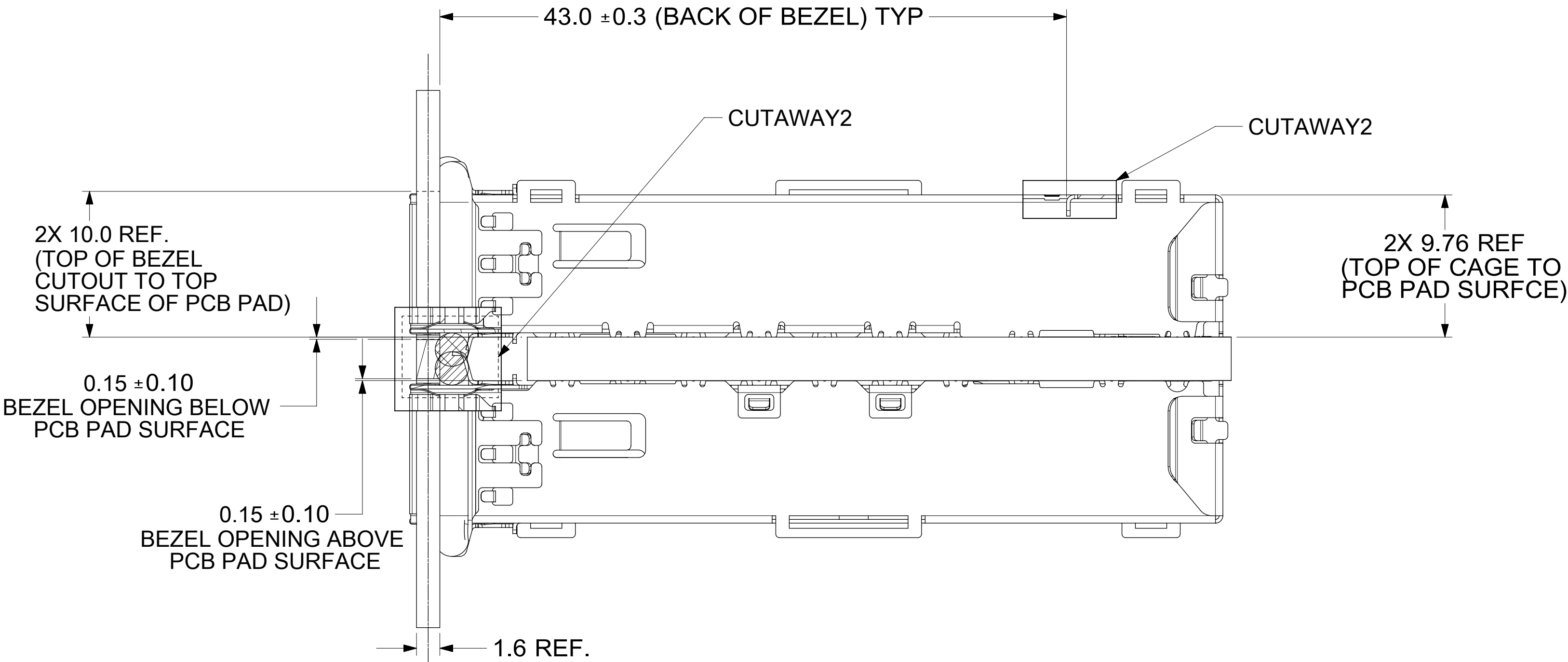
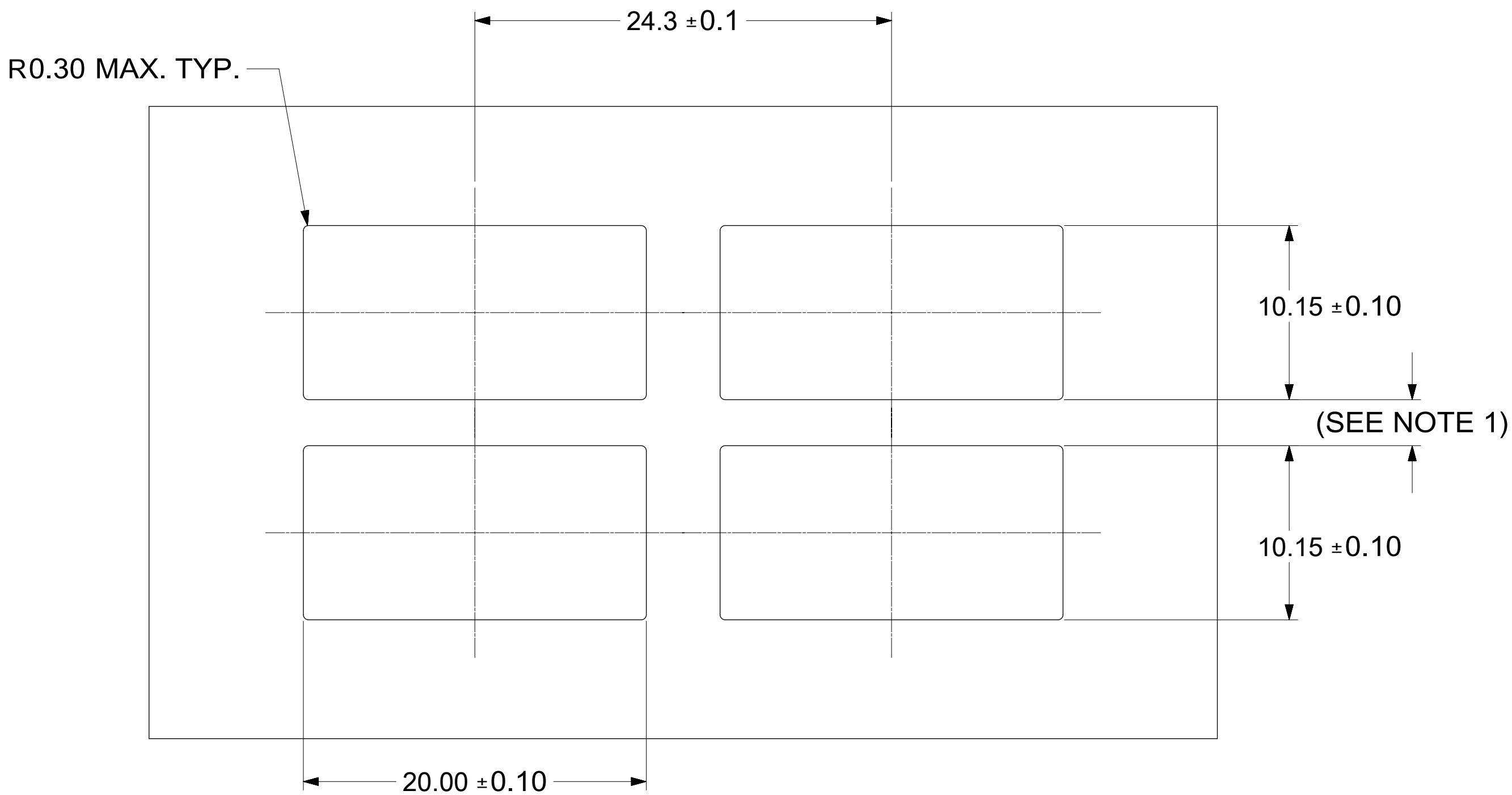
- NOTES:
- 1. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
 - 2. FINISHED HOLE SIZE (AFTER PLATING)
 - 3. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
 - 4. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
 - 5. BELLY TO BELLY BOARD THICKNESS:
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:				molex									
mm		6:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623 DRWN: PKH 2022/05/27 CHK'D: DKUMARG 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/05/27 APPR: SCHIEN 2022/07/07						QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)							
ANGULAR TOL ± 1.0 °										PRODUCT CUSTOMER DRAWING							
4 PLACES		±								DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
3 PLACES		±								747503022		PSD		ASY		A	
2 PLACES		± 0.13															
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		74750		SEE SHEET 4				6 OF 9			

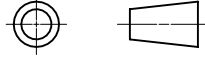
BEZEL AND BOARD POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS
FOR BELLY TO BELLY MOUNTING

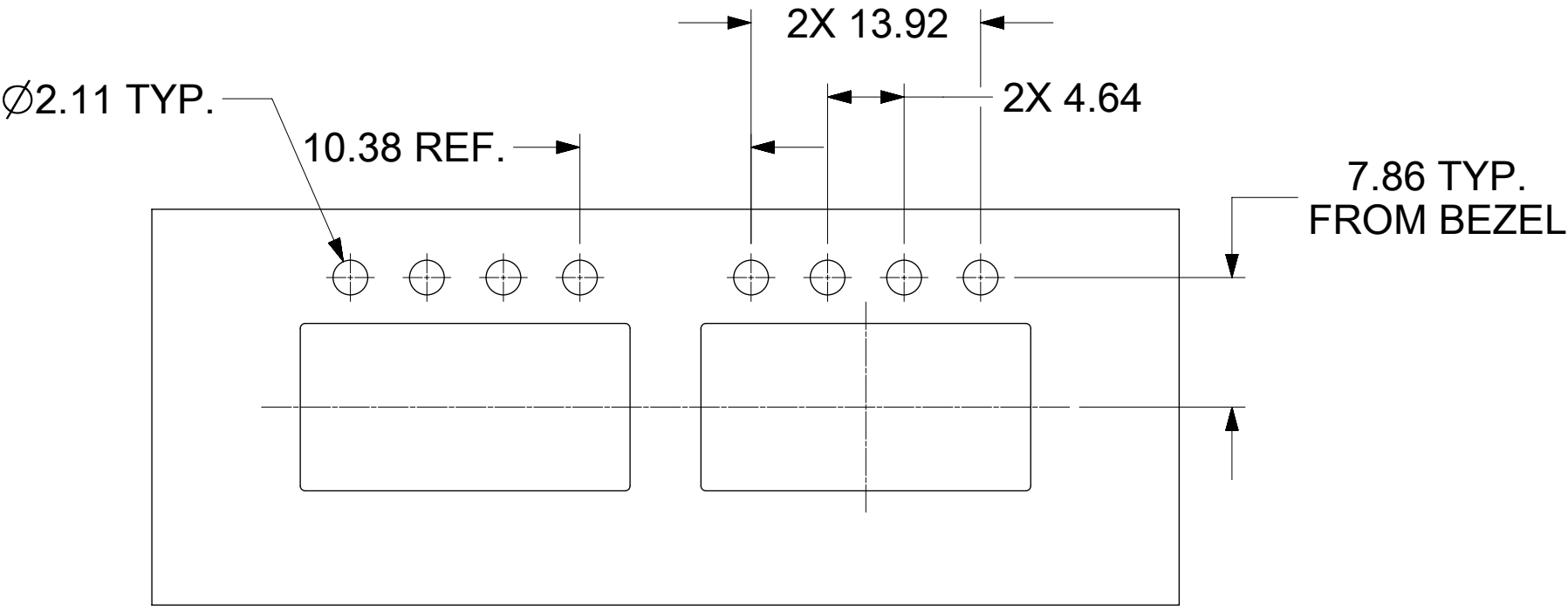
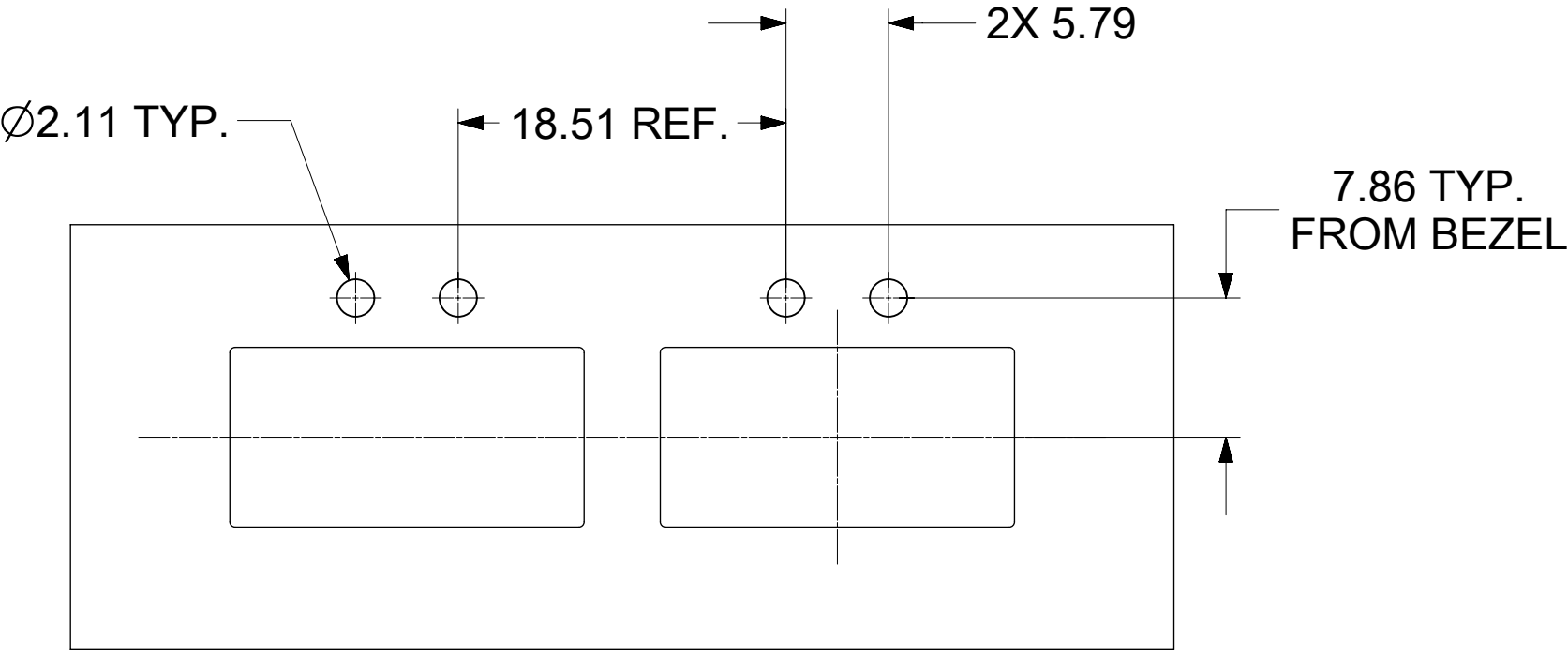
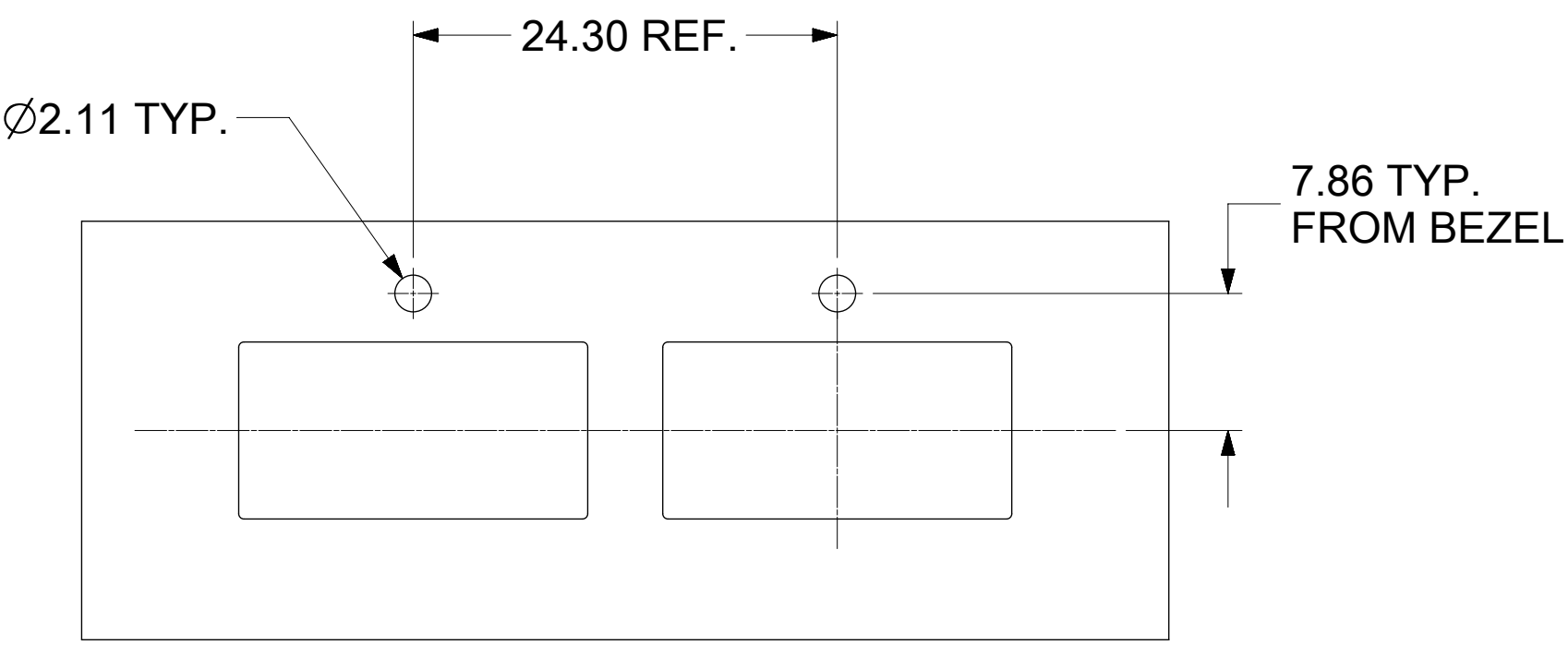


NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING
BEZEL OPENING, SIZE, AND LOCATION.

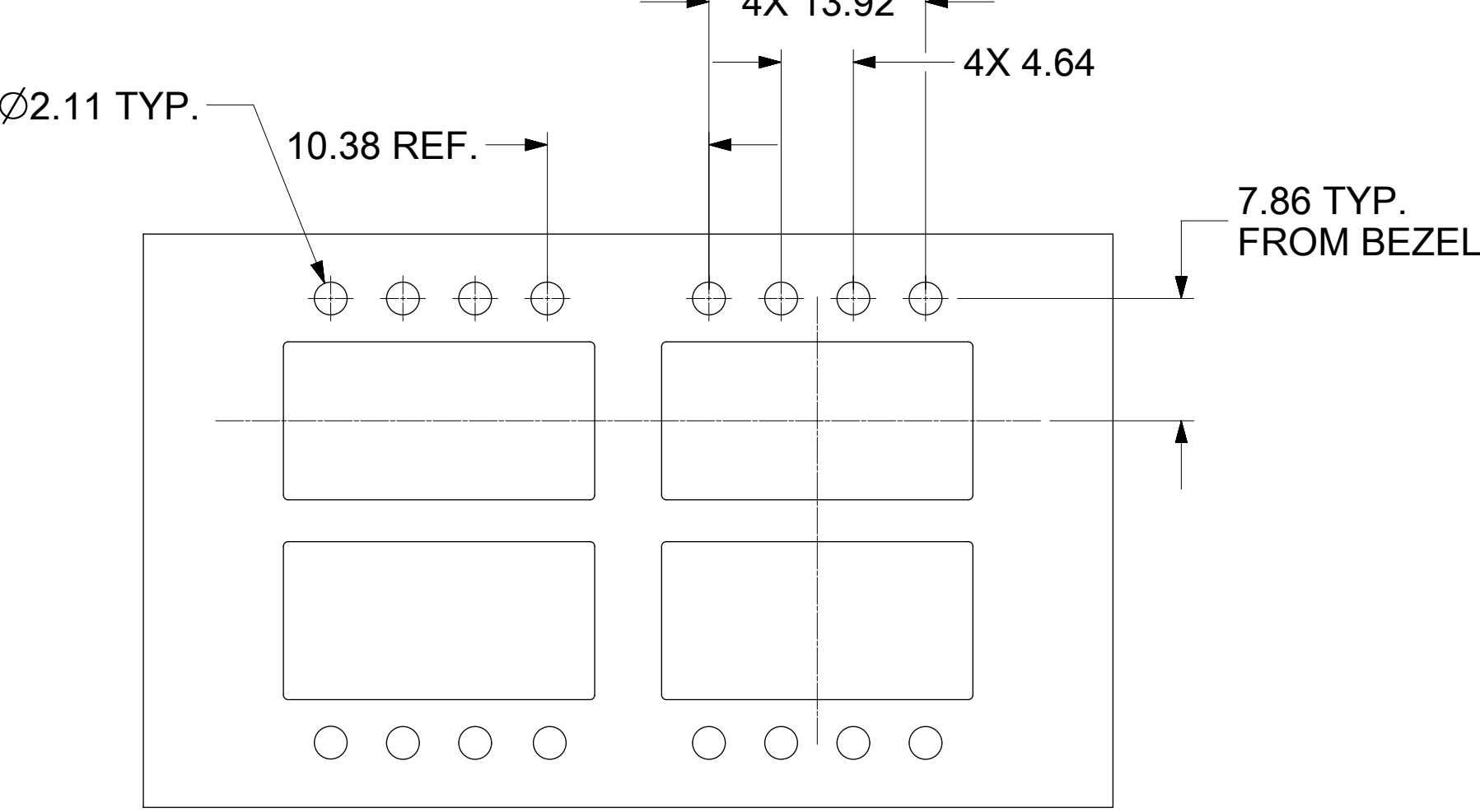
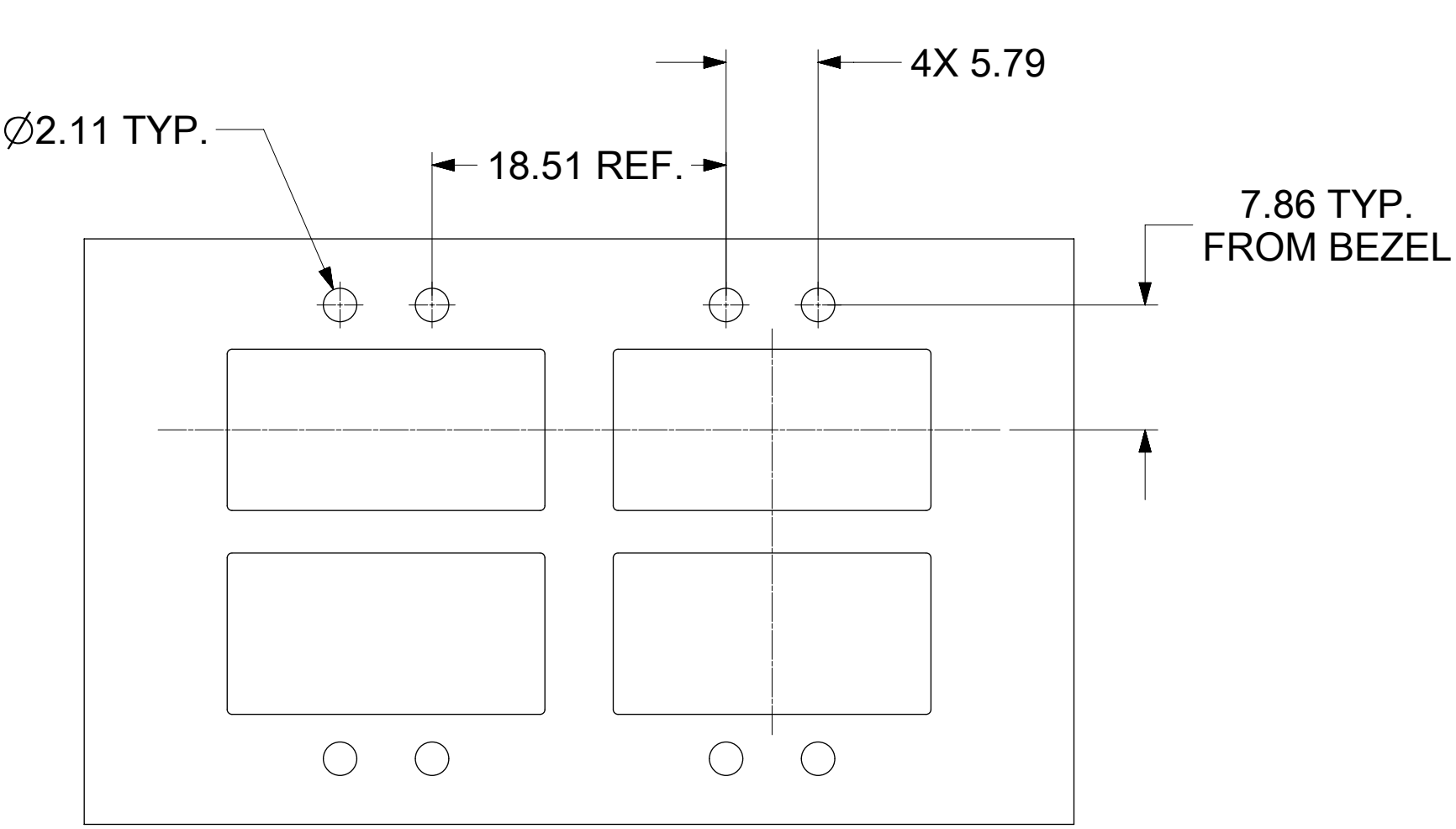
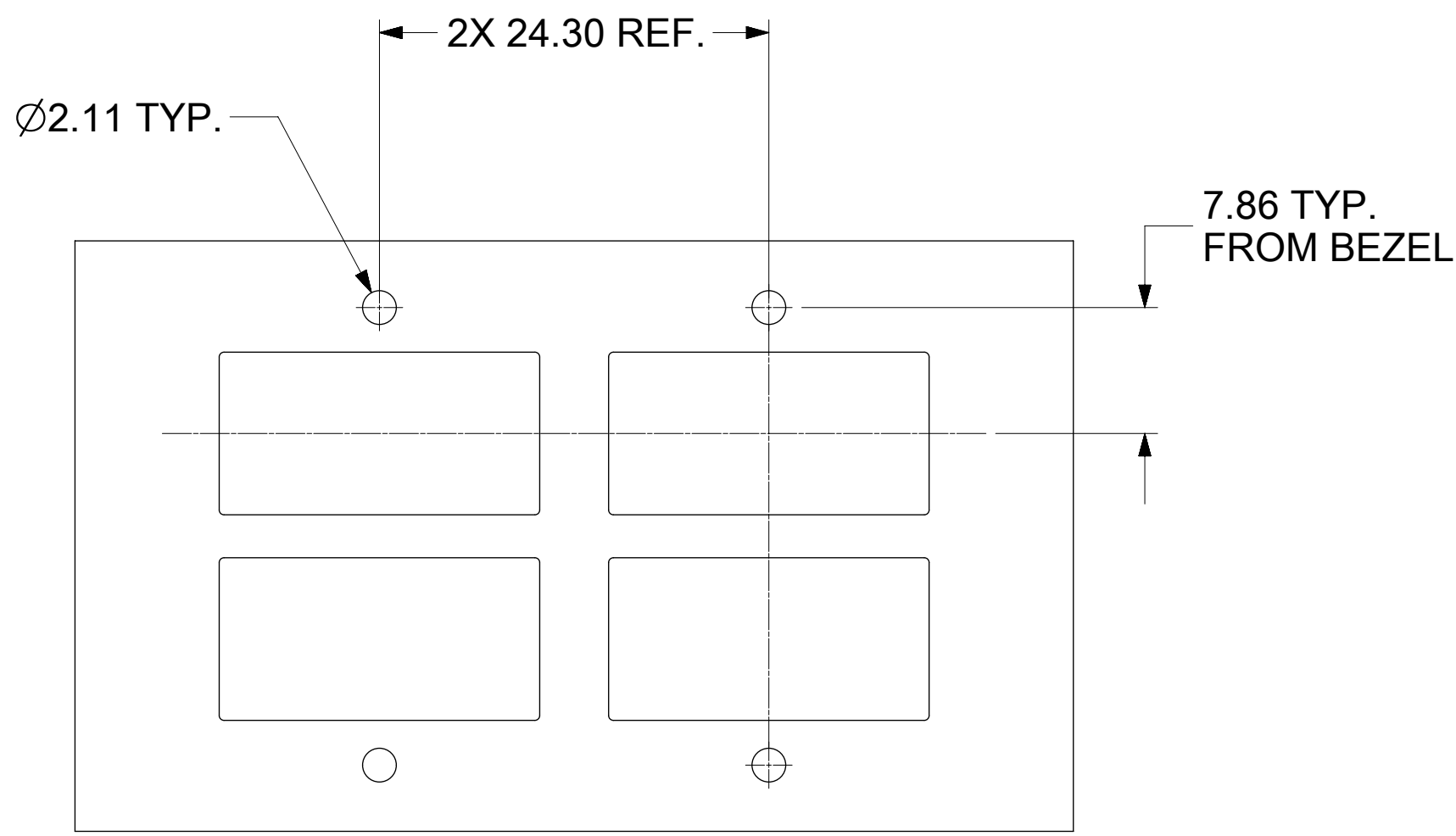
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
mm		4:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623 DRWN: PKH 2022/05/27 CHK'D: DKUMARG 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/05/27 APPR: SCHIEN 2022/07/07								
ANGULAR TOL ± 1.0 °												
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	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
						D-SIZE	74750	SEE SHEET 4			7 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/07	13:29:38
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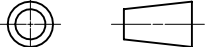
BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



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		SCALE		CURRENT REV DESC:				molex									
mm		2.5:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712623 DRWN: PKH 2022/05/27 CHK'D: DKUMARG 2022/06/29 APPR: SCHIEN 2022/07/07 INITIAL REVISION: DRWN: PKH 2022/05/27 APPR: SCHIEN 2022/07/07													
ANGULAR TOL ± 1.0 °																	
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		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						D-SIZE		74750		747503022		PSD		ASY		A	
										SEE SHEET 4						8 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/07	13:29:38
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M	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
L																			
K																			
J																			
H																			
G																			
F																			
E																			
D																			
C																			
B																			
A																			

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		SCALE		CURRENT REV DESC:					molex QSFP+ 1X1 CAGE ASSEMBLY W / ELASTOMERIC GASKET, SUS INNER SPRING FINGER (ROUND & SQUARE)																	
mm		1:1																								
GENERAL TOLERANCES (UNLESS SPECIFIED)																										
ANGULAR TOL		±	1.0 °																							
4 PLACES		±	EC NO: 712623 DRWN: PKH2022/05/27 3 PLACES ±CHK'D: DKUMARG2022/06/29 2 PLACES ±0.13APPR: SCHIEN2022/07/07																							
3 PLACES		±																								
2 PLACES		±																								
1 PLACE		±	0.25																							
0 PLACES		±	INITIAL REVISION:					DOCUMENT NUMBER							DOC TYPE	DOC PART	REVISION									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER														
				D-SIZE		74750		SEE SHEET 4				9 OF 9														

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/07	13:29:38
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