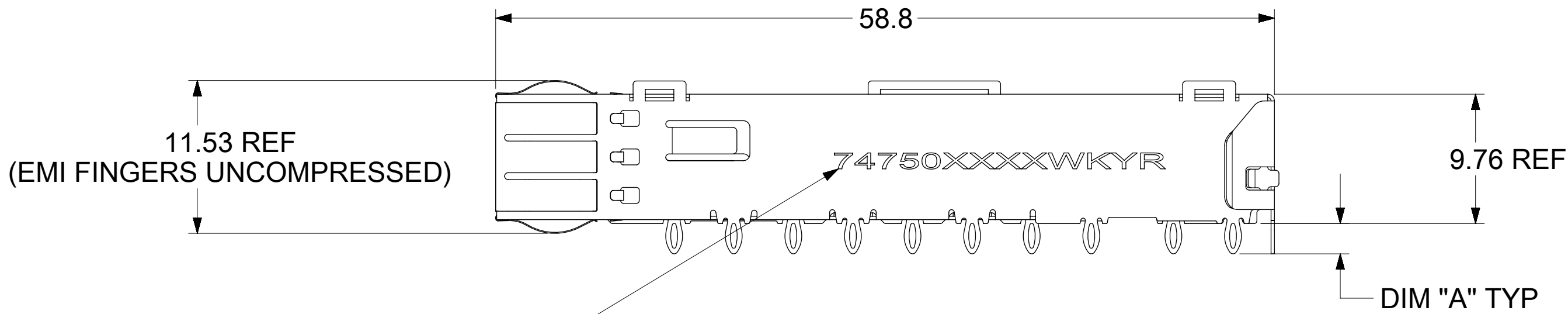
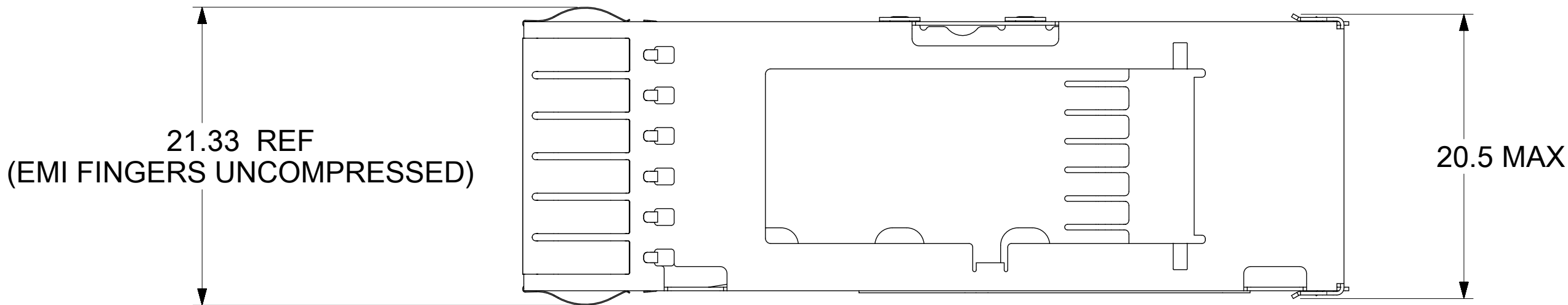


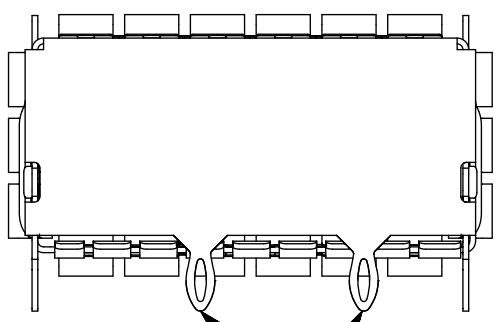
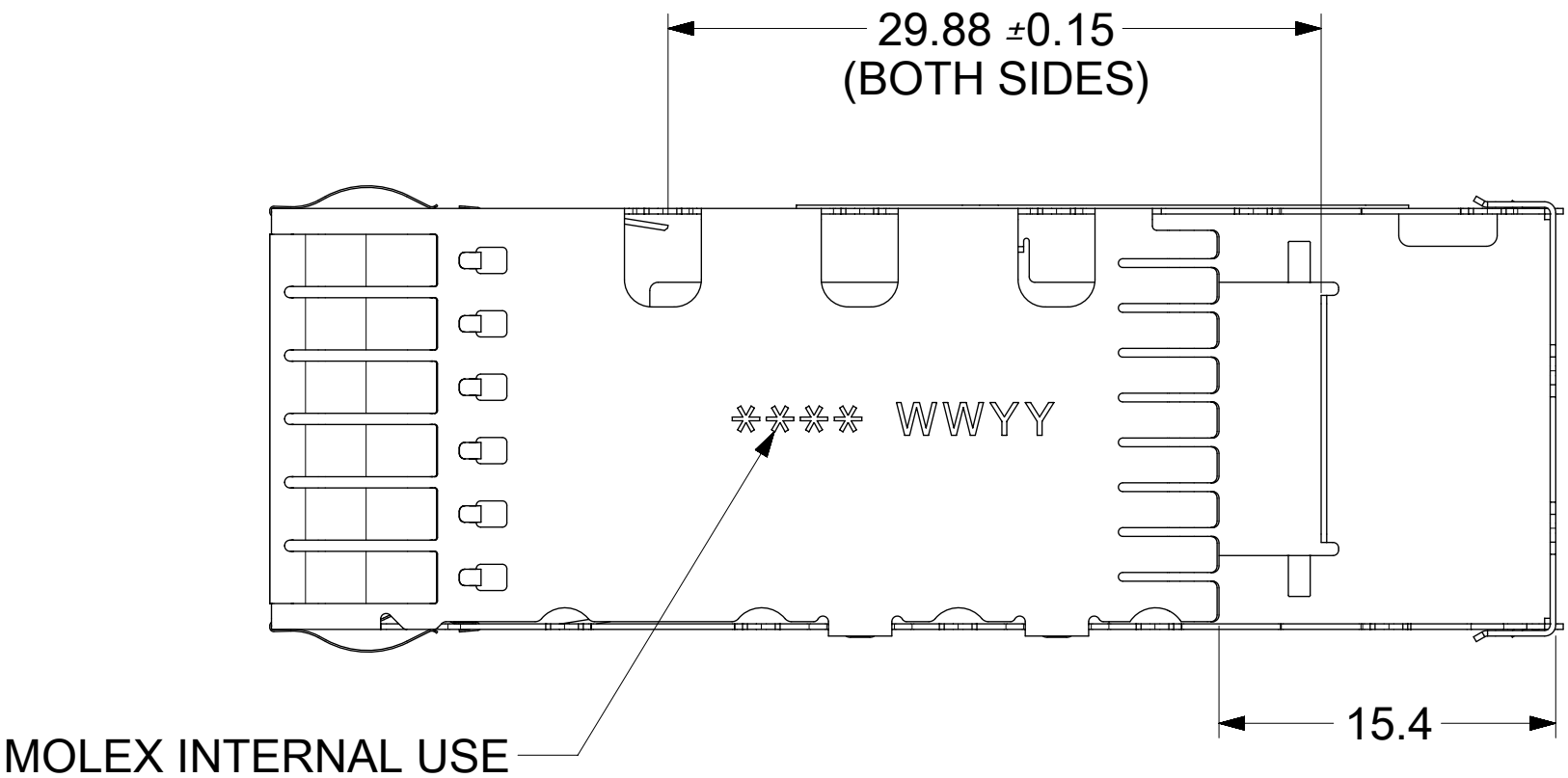
BASE CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

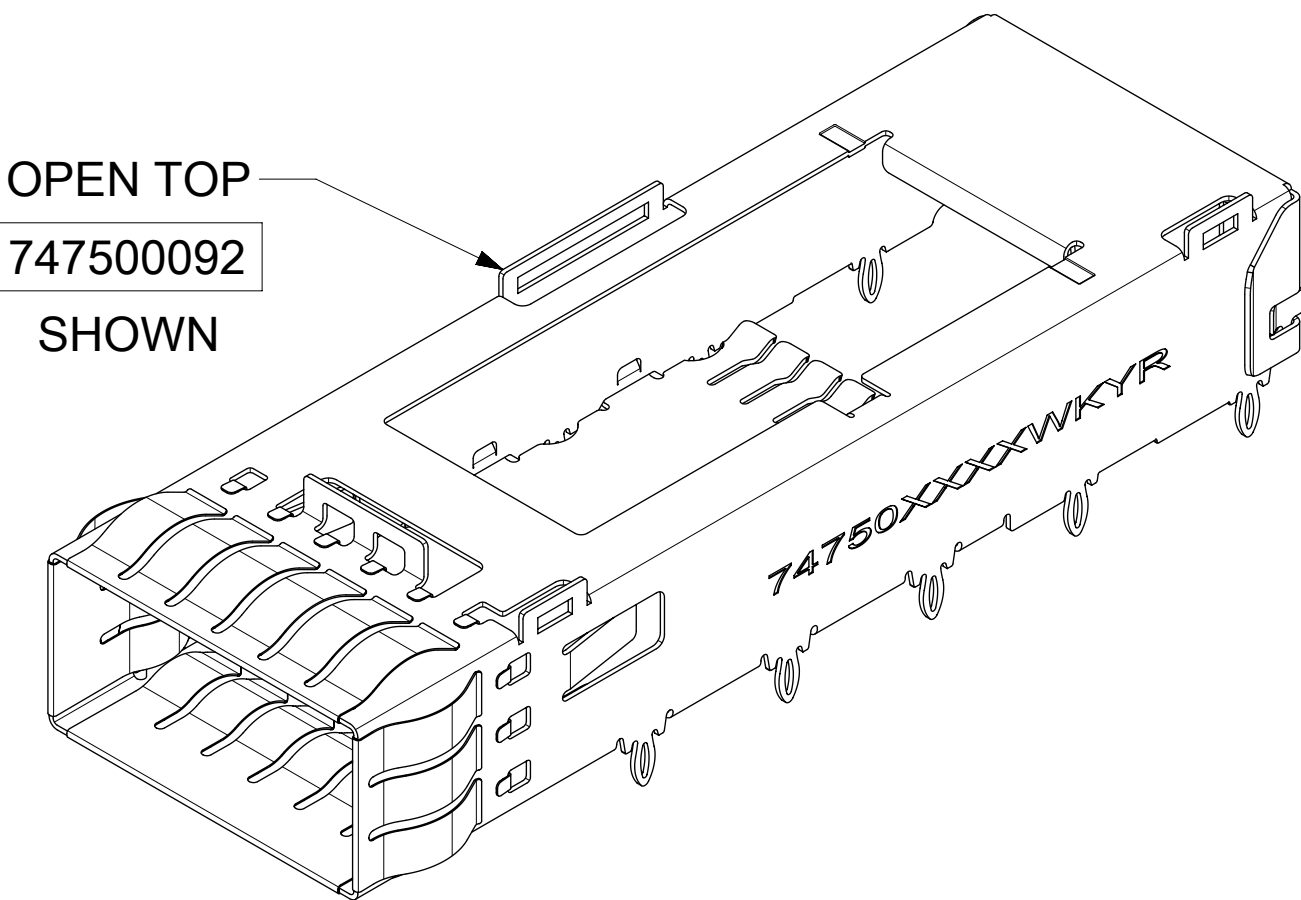
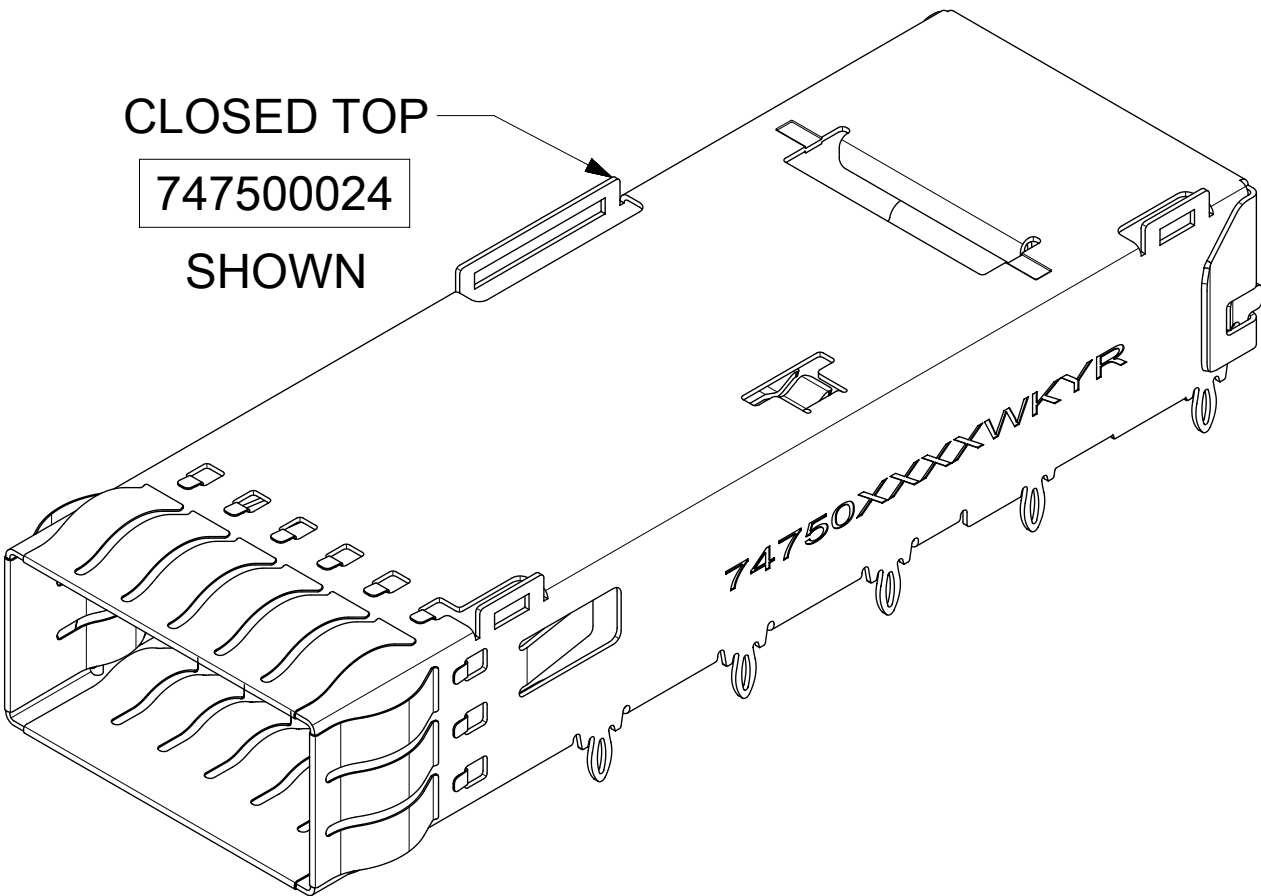
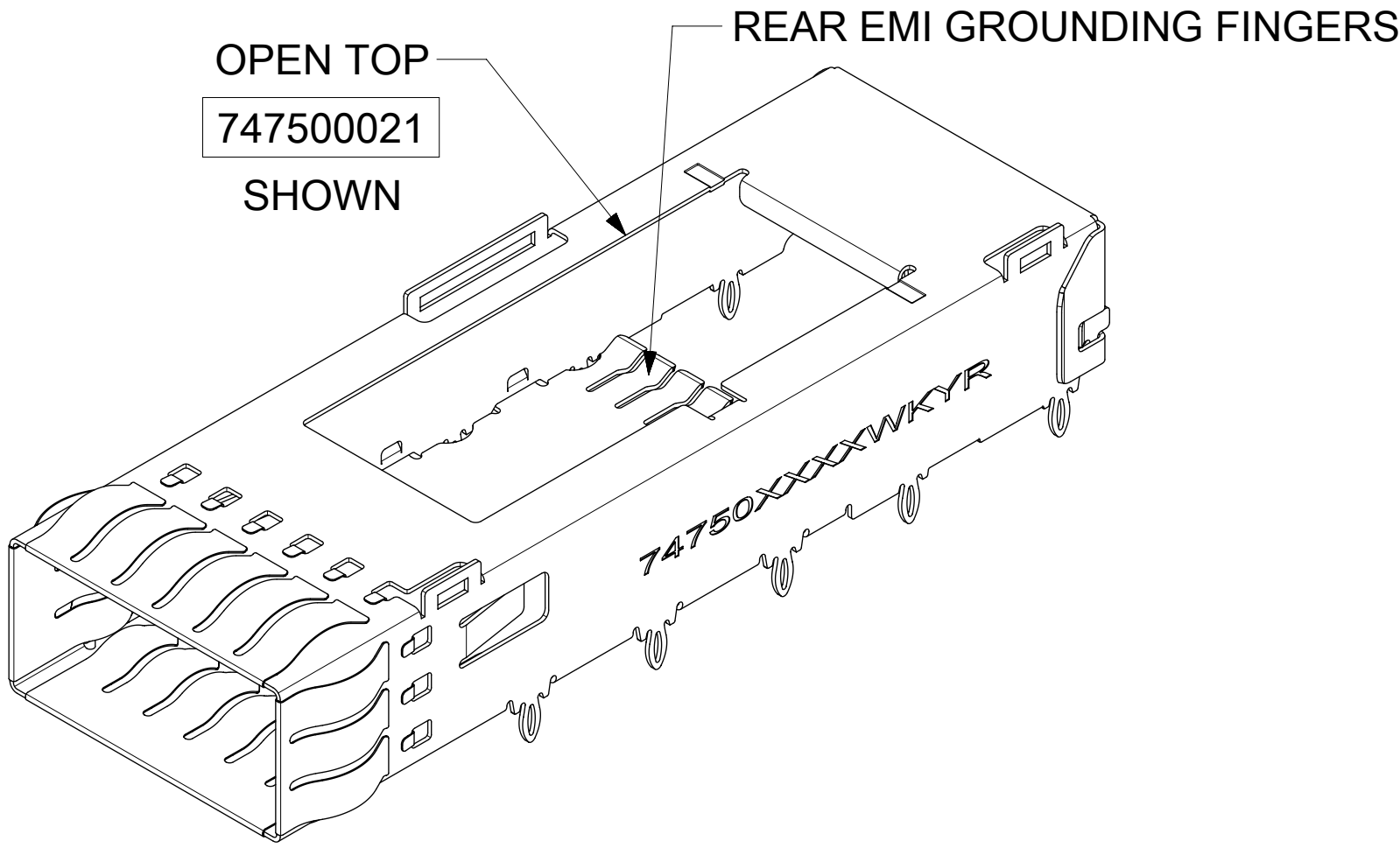


PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

WEEK/YEAR DATE CODE TABLE	
WK	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YR	17, 18, 19 ETC. EXAMPLE: YEAR 2017 = 17



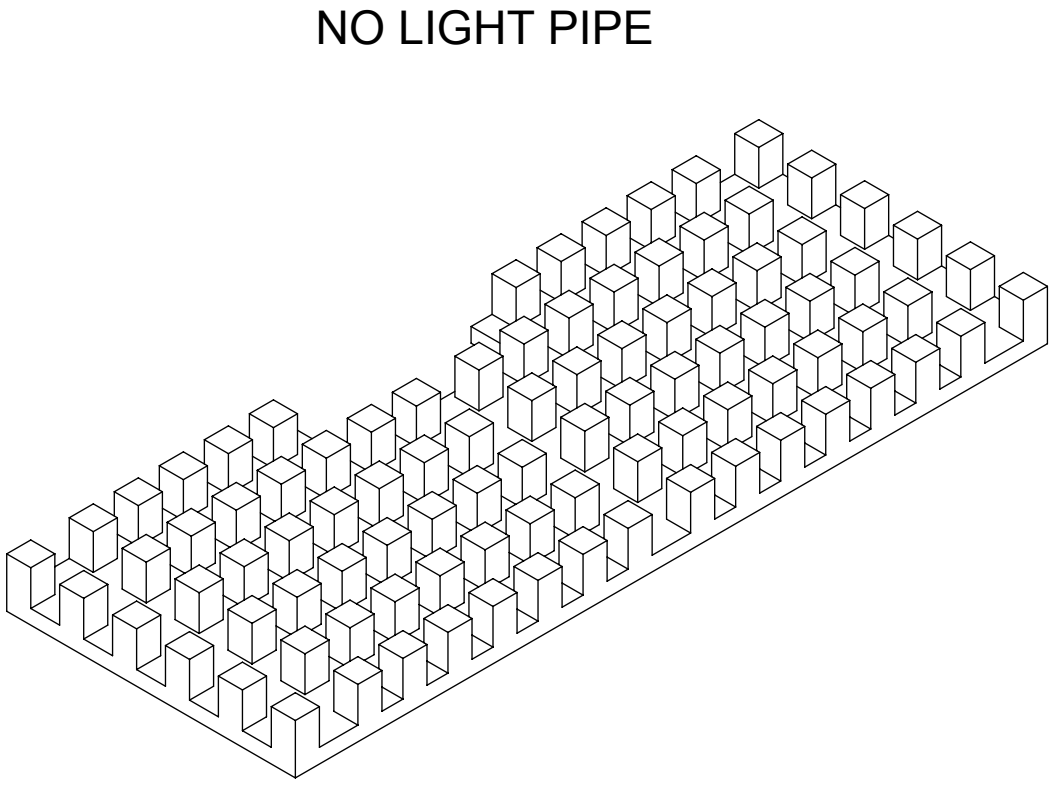
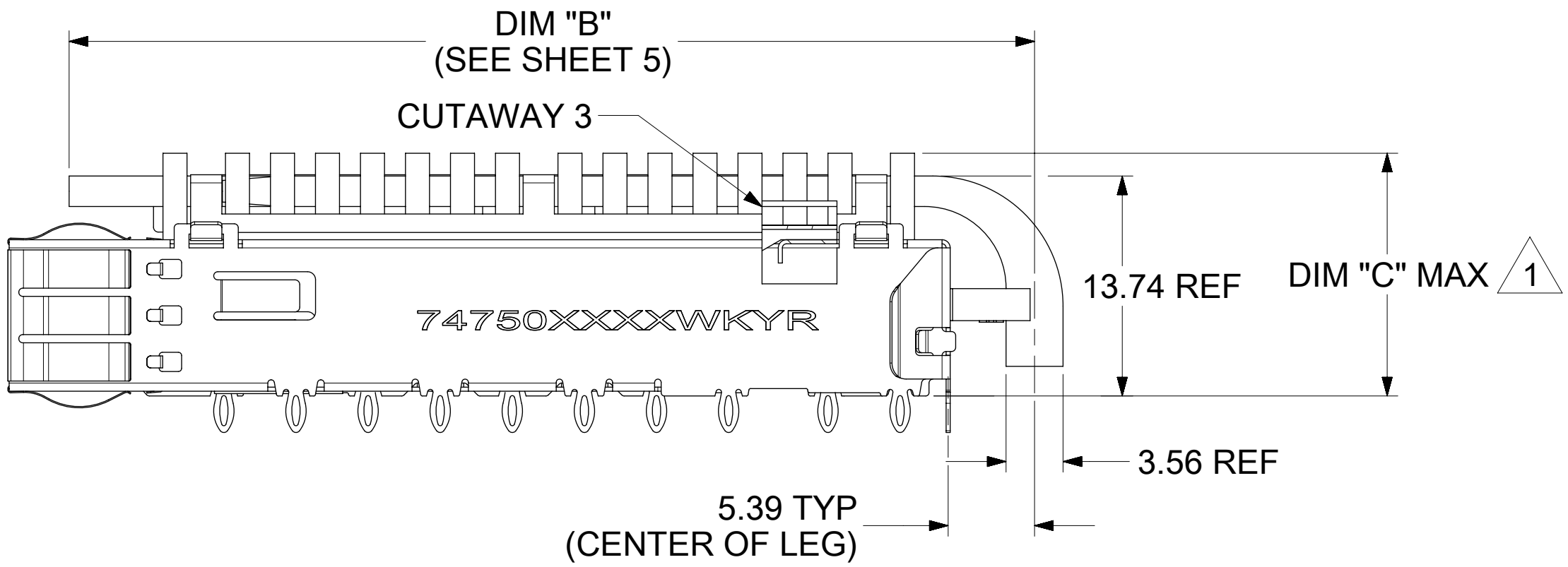
REAR LEGS ARE OPTIONAL
(SEE CHART SHEET 2)



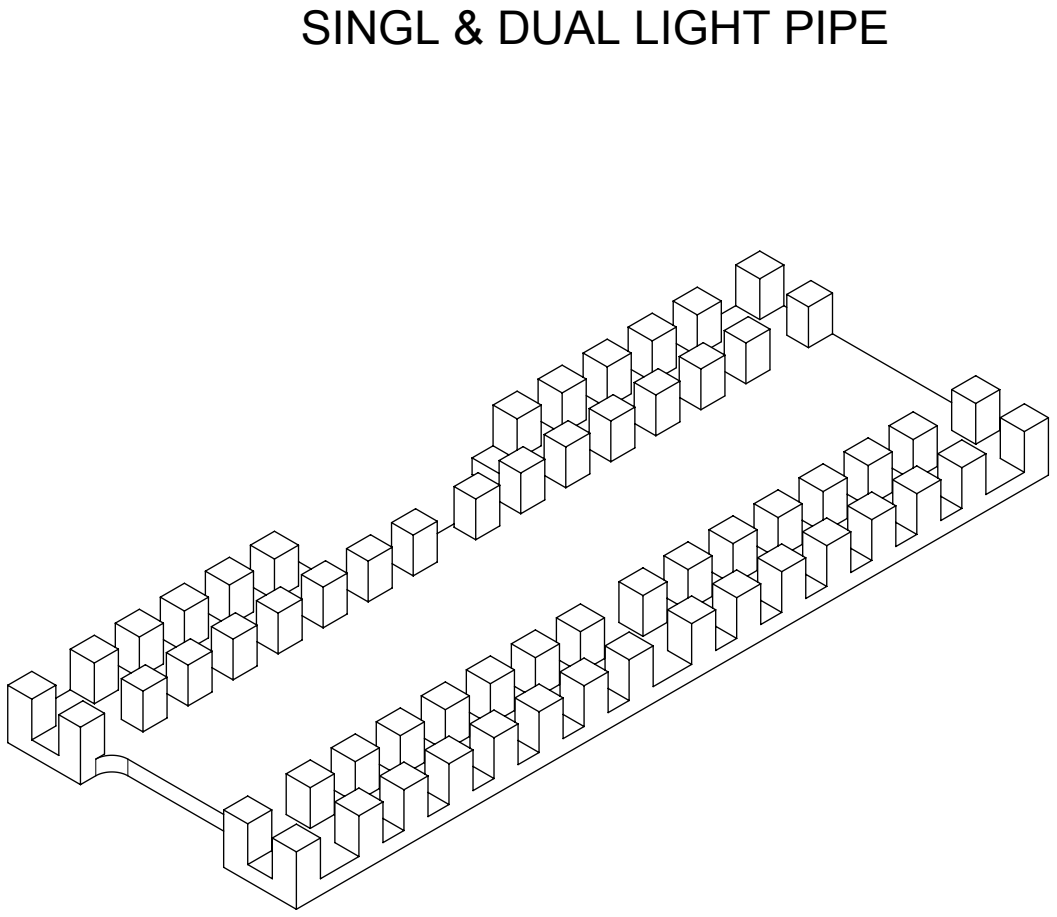
- NOTES:
- QSFP+ ASSEMBLIES ALSO AVAILABLE WITH 1X2 (74767 SERIES), 1X3 (74768 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES) CONFIGURATIONS.
 - MATERIAL:
LIGHT PIPE/HEATSINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V-0 RATED)
HEAT SINKS: BLACK ANNODIZED ALUMINUM
CAGE: COPPER ALLOY, NICKEL PLATED
 - NO RoHS EXEMPTIONS
 - CUSTOM HEATSINKS AVAILABLE UPON REQUEST

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	= 0	SEE REVISION TABLE	EC NO: 12627 DRWN: MKEMPEGOWDA CHKD: ELJU06 REV APPR: RCHEN08	2017/09/28 2017/09/28 2017/09/28	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE				
	= 0					mm					
	= 0					DRWN BY	DATE				
	= 0					ANGULAR TOL ± 1.0 °	SJKG	2016/06/23	QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE		
	= 0					4 PLACES ±	CHK'D BY	DATE			
	= 0					3 PLACES ±	DSUN15	2017/06/02			
	= 0					2 PLACES ± 0.13	APPR BY	DATE	PRODUCT CUSTOMER DRAWING		
	= 0					1 PLACE ± 0.25	RCHEN08	2017/06/05			
	= 0					0 PLACES ±	DRAWING SIZE	THIRD ANGLE PROJECTION			
	= 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	D		SERIES		MATERIAL NUMBER
	= 0	N	REV		74750		SEE SHEET 5, 6 & 7	GENERAL MARKET			
	= 0				DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER		
					747500021		PSD	ASY	1 OF 12		

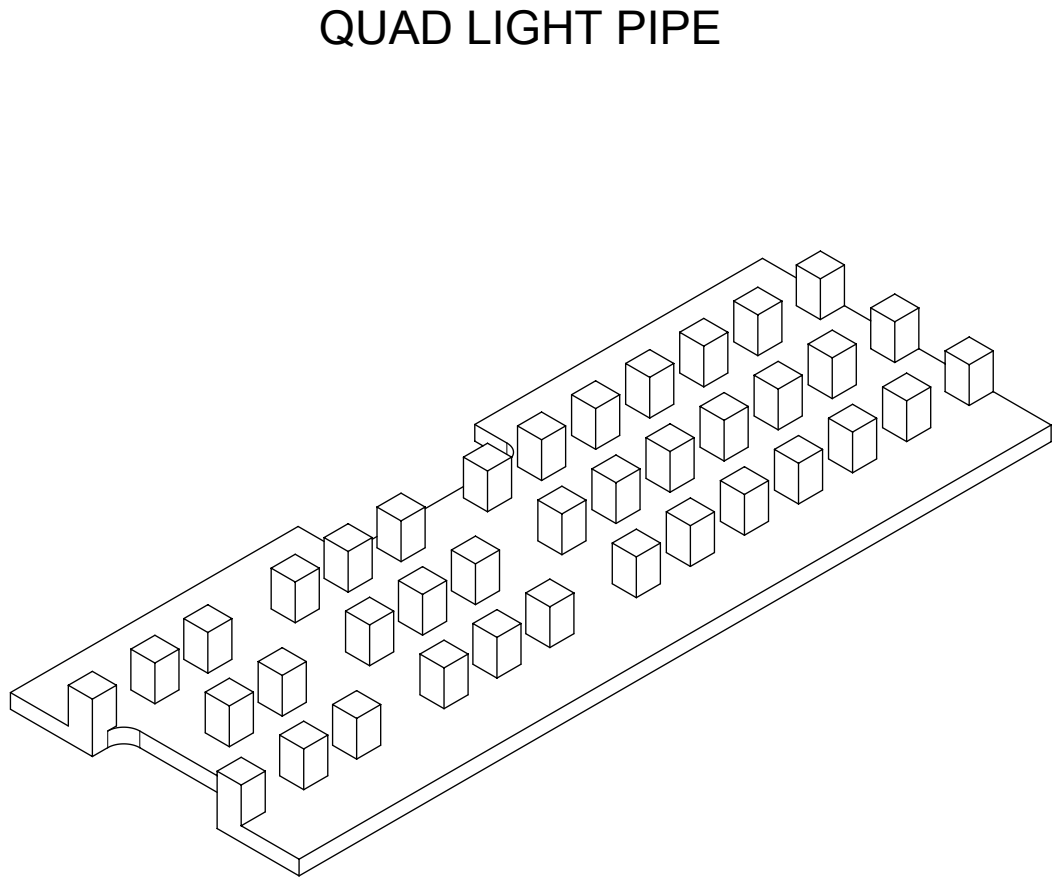
CAGE ASSEMBLY OPTIONS



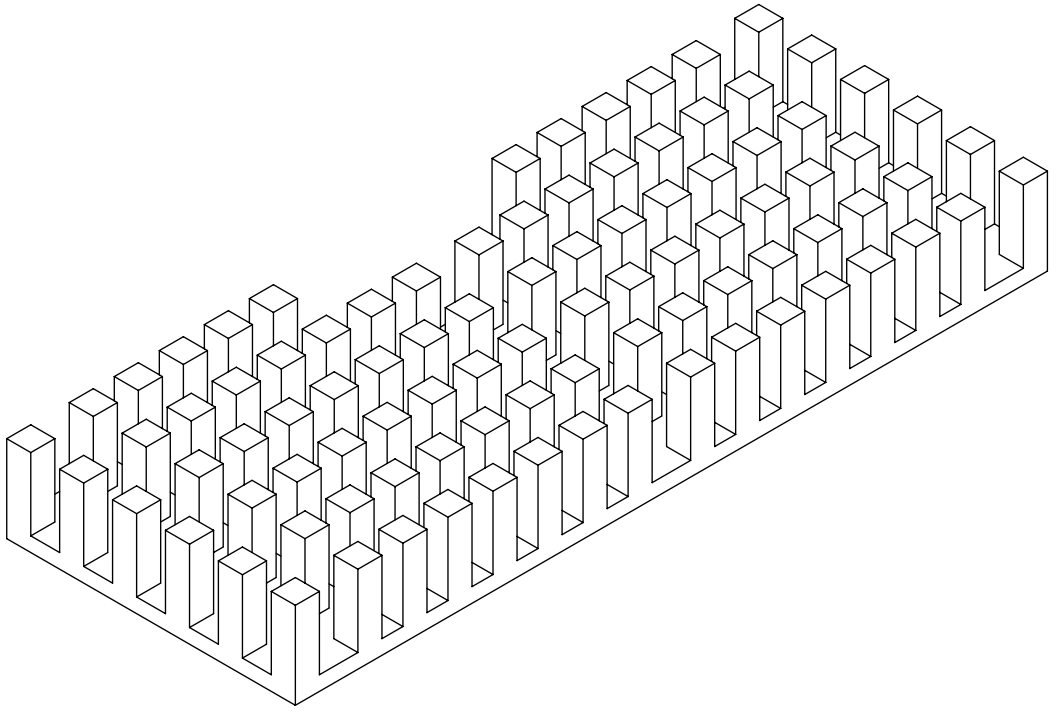
NO LIGHT PIPE



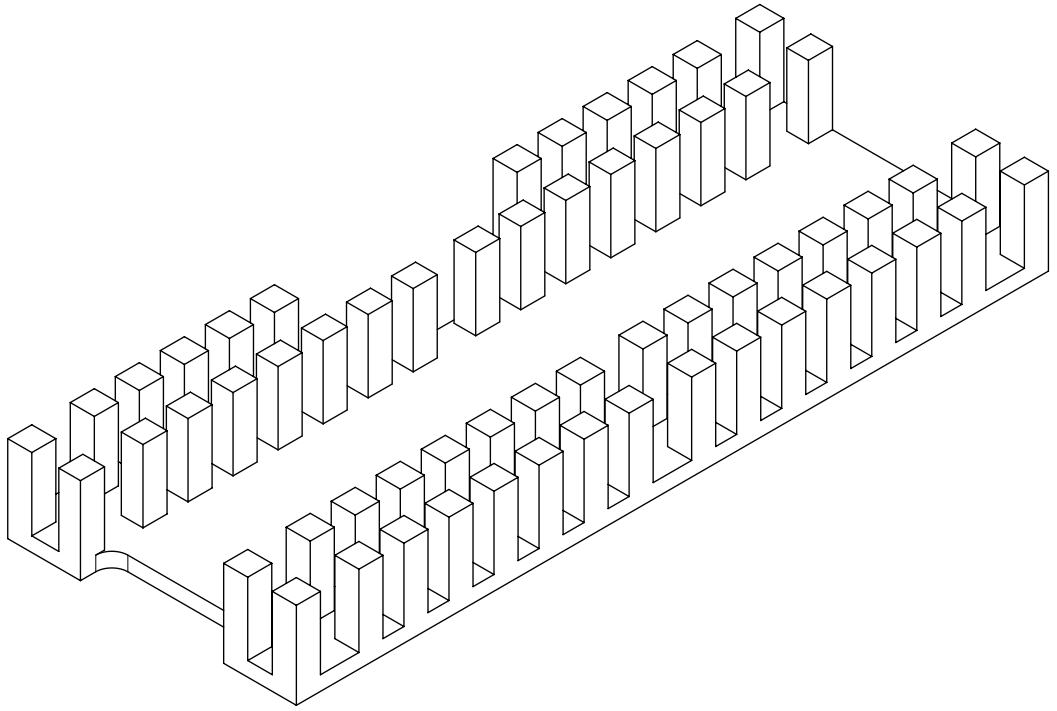
SINGL & DUAL LIGHT PIPE



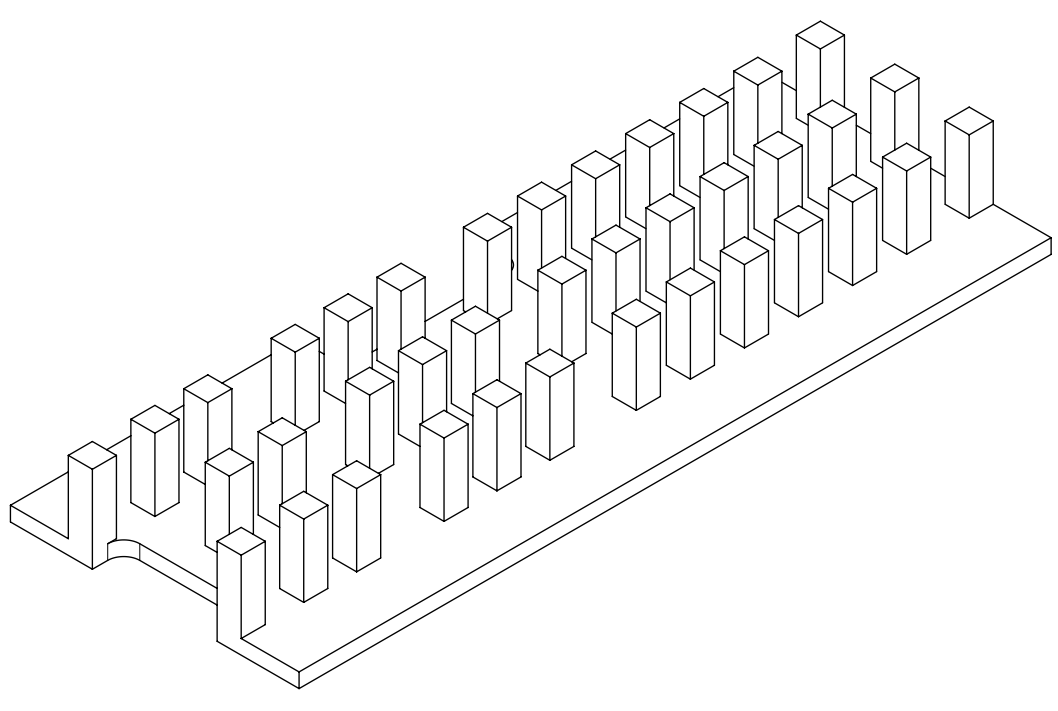
QUAD LIGHT PIPE



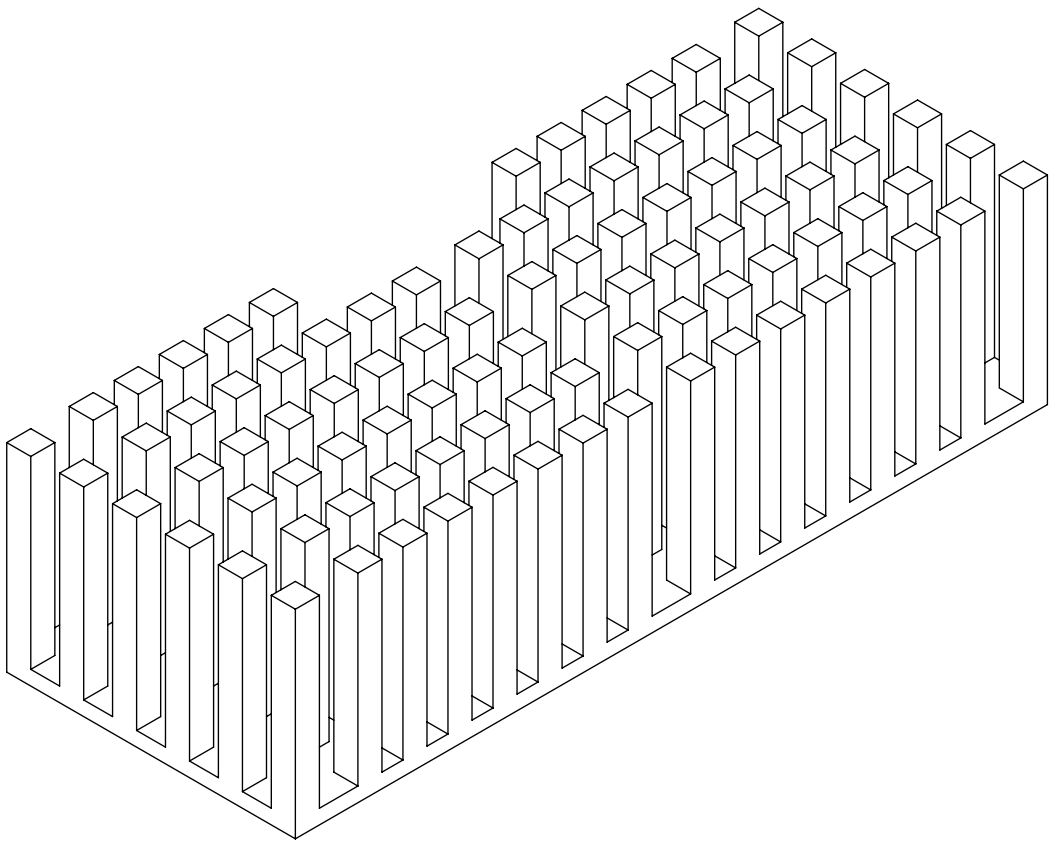
NO LIGHT PIPE



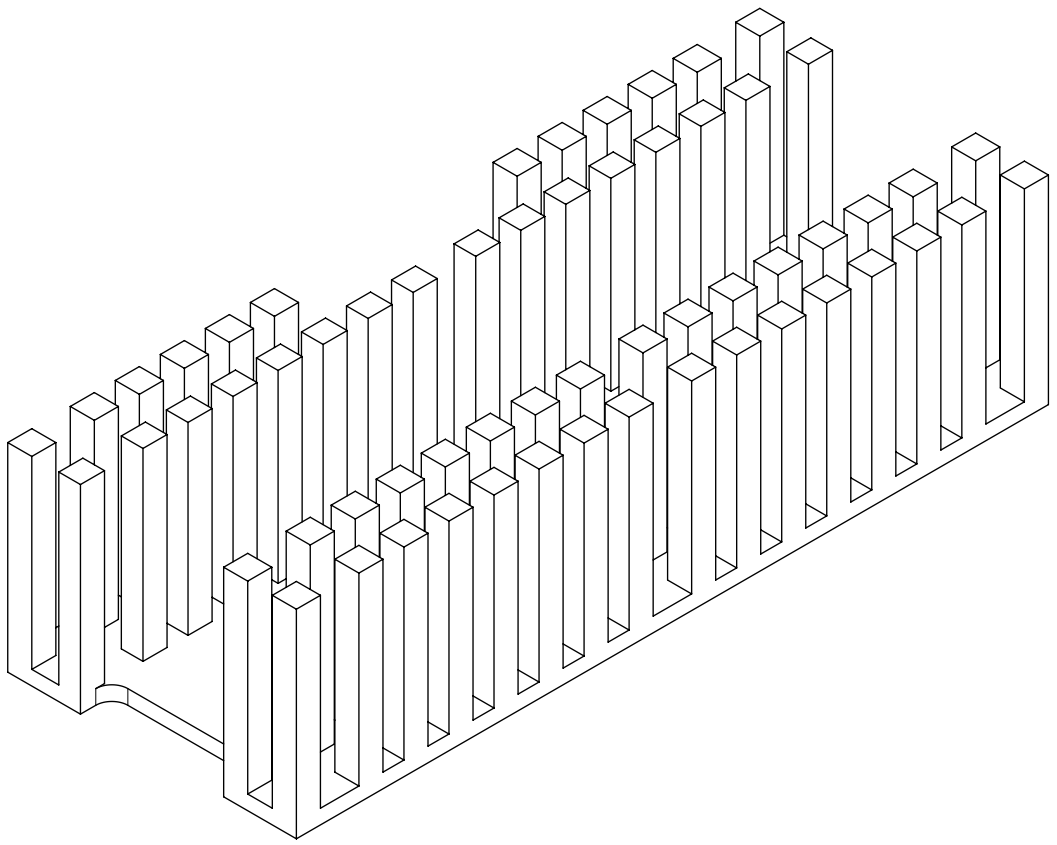
SINGL & DUAL LIGHT PIPE



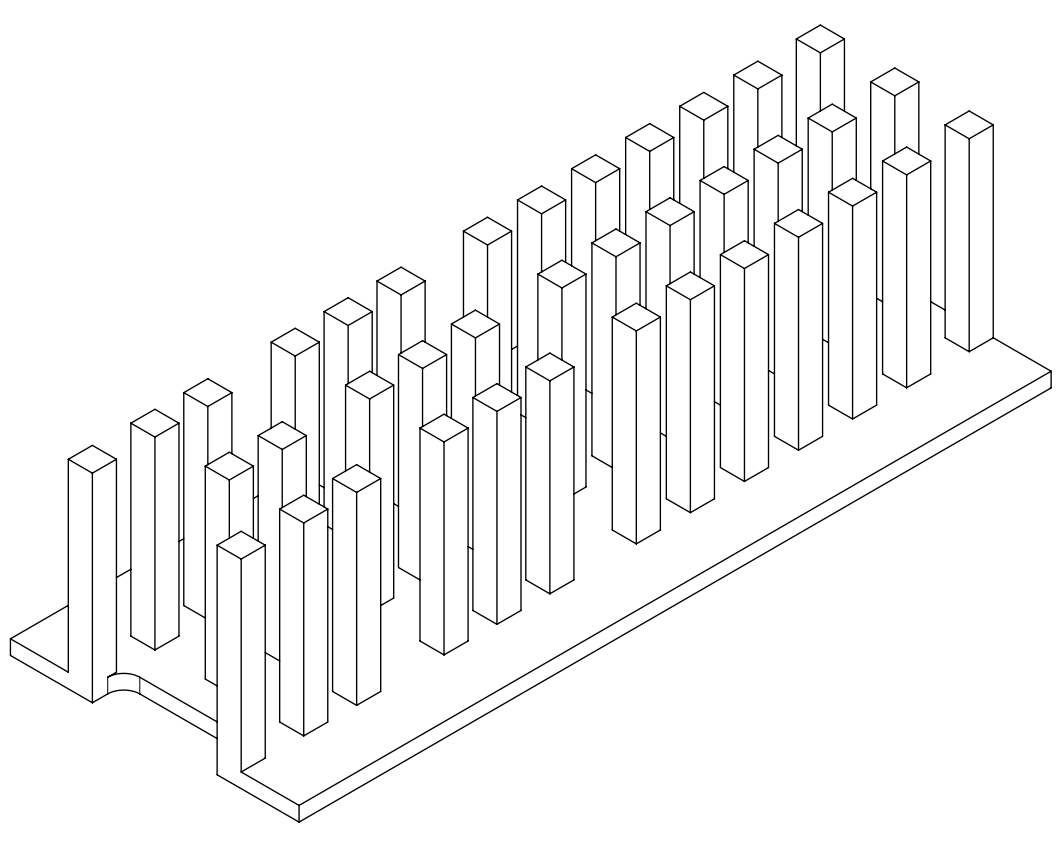
QUAD LIGHT PIPE



NO LIGHT PIPE

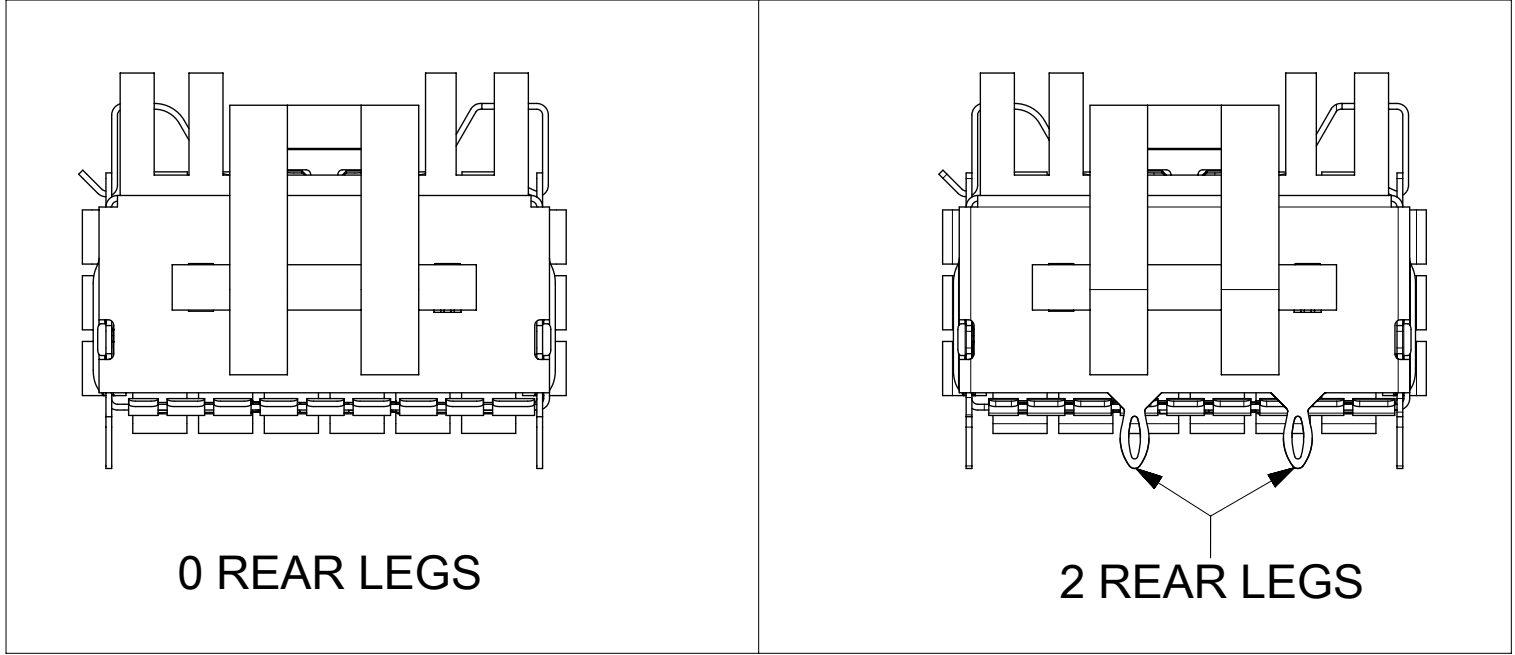


SINGL & DUAL LIGHT PIPE

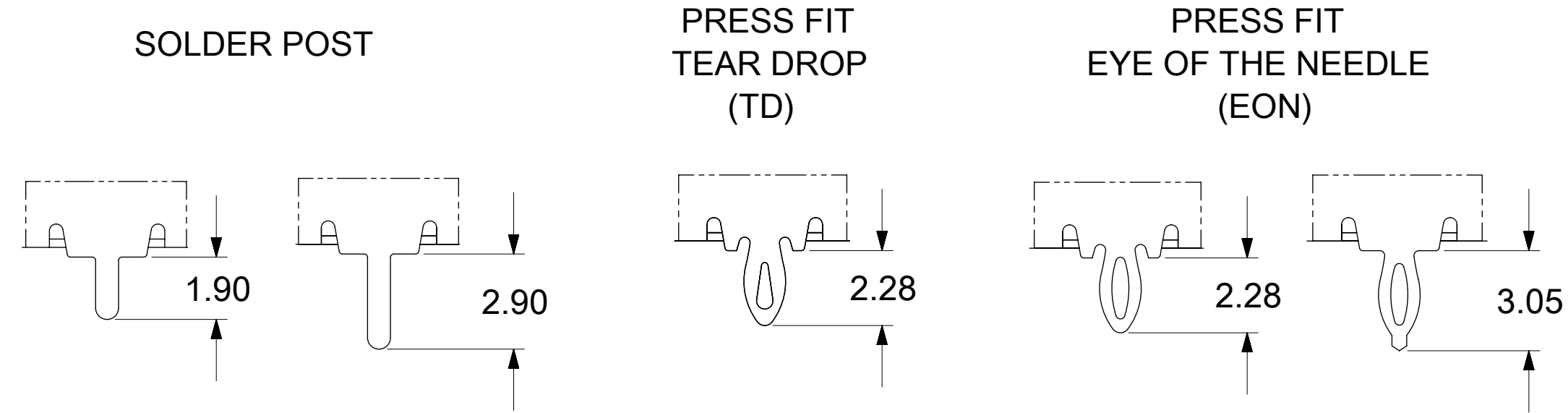


QUAD LIGHT PIPE

REAR LEG OPTIONS



LEG OPTIONS



HEAT SINK HEIGHT OPTIONS

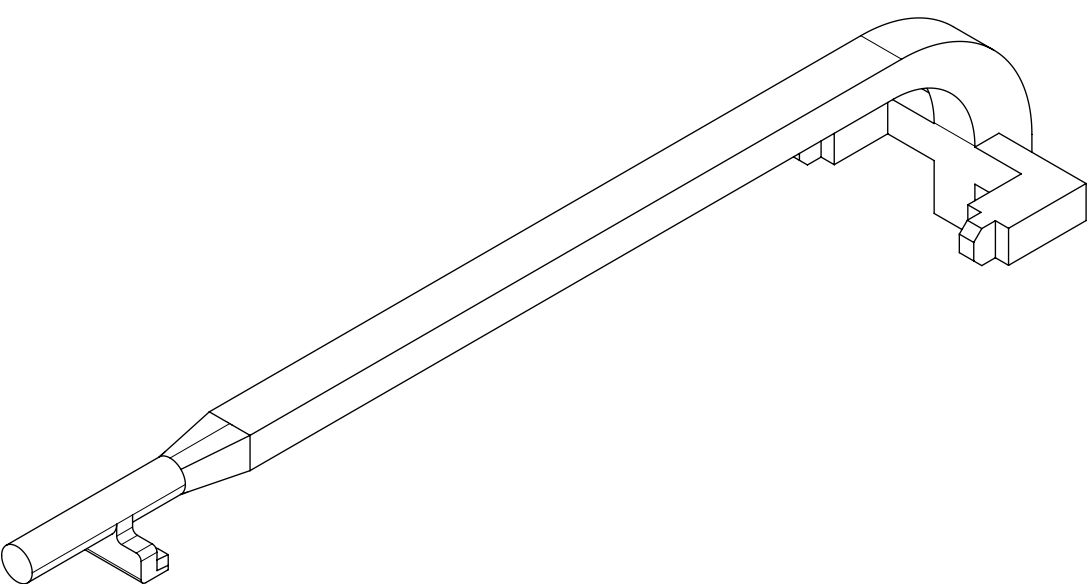
OVERALL HEAT SINK HEIGHT	DIM C
PCI	13.7
SAN	16.0
NET	23.0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
QUALITY SYMBOLS	SEE REVISION TABLE		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		
					mm				
= 0	EC NO: 122627	2017/09/27	DRWN: MKEMPEGOWDA	2017/09/28	DRWN BY		DATE		
= 0	CHKD: ELJU06	2017/09/28	REV: APPR: RCHEN08	2017/09/28	CHK'D BY		DATE		
= 0					APPR BY		DATE		
= 0					RCHEN08		2017/06/05		
= 0					DRAWING SIZE		THIRD ANGLE PROJECTION		
= 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
= 0					D				
					SERIES		MATERIAL NUMBER		CUSTOMER
					74750		SEE SHEET 5, 6 & 7		GENERAL MARKET
					DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
					747500021		PSD	ASY	2 OF 12

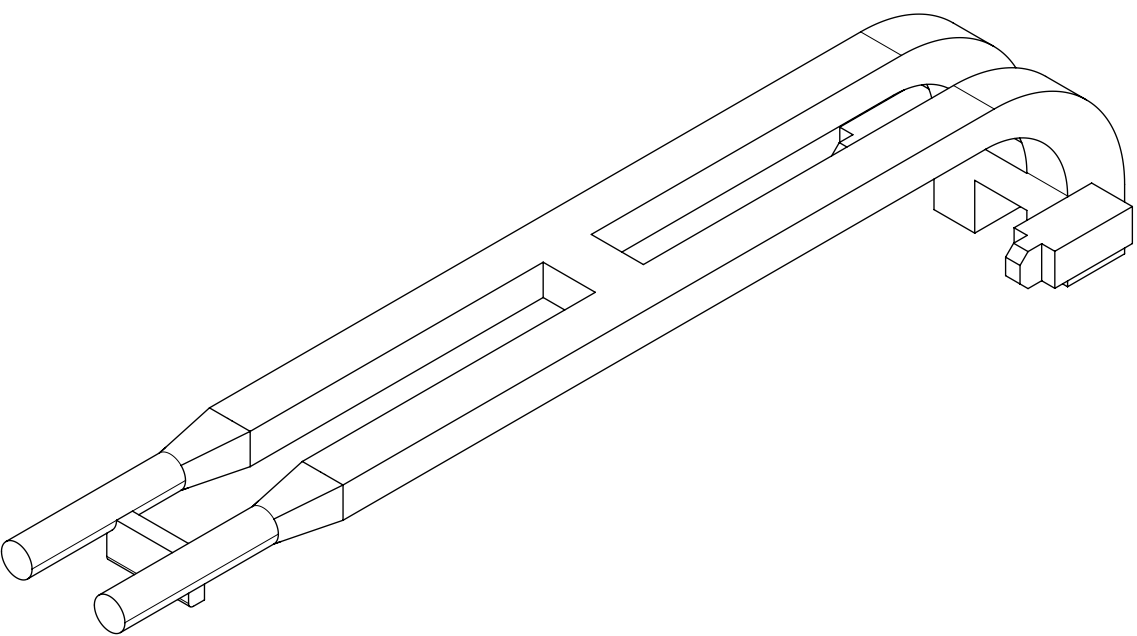
1 HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

CAGE ASSEMBLY OPTIONS (CONT.)

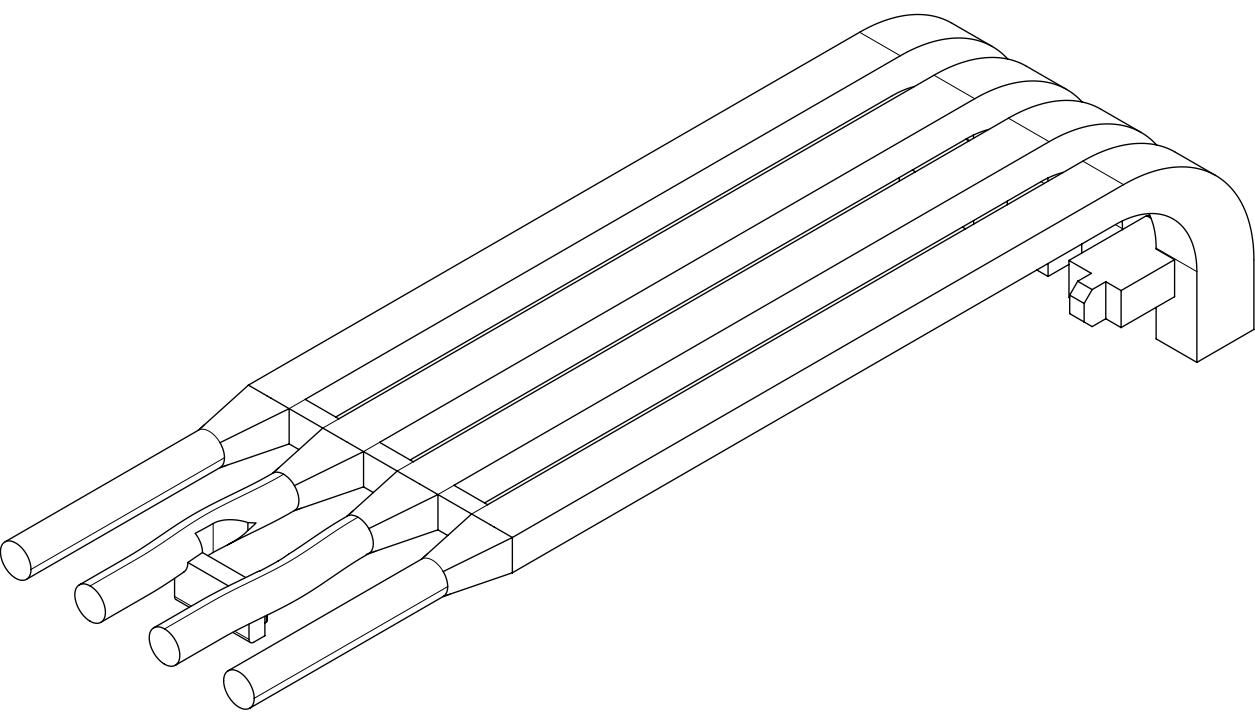
SINGLE LIGHT PIPE



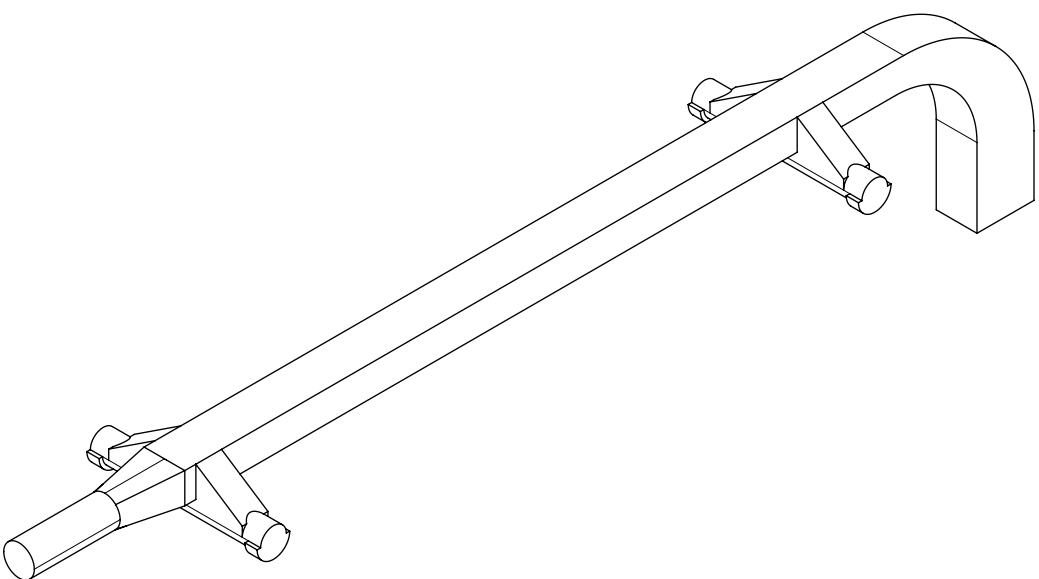
DUAL LIGHT PIPE



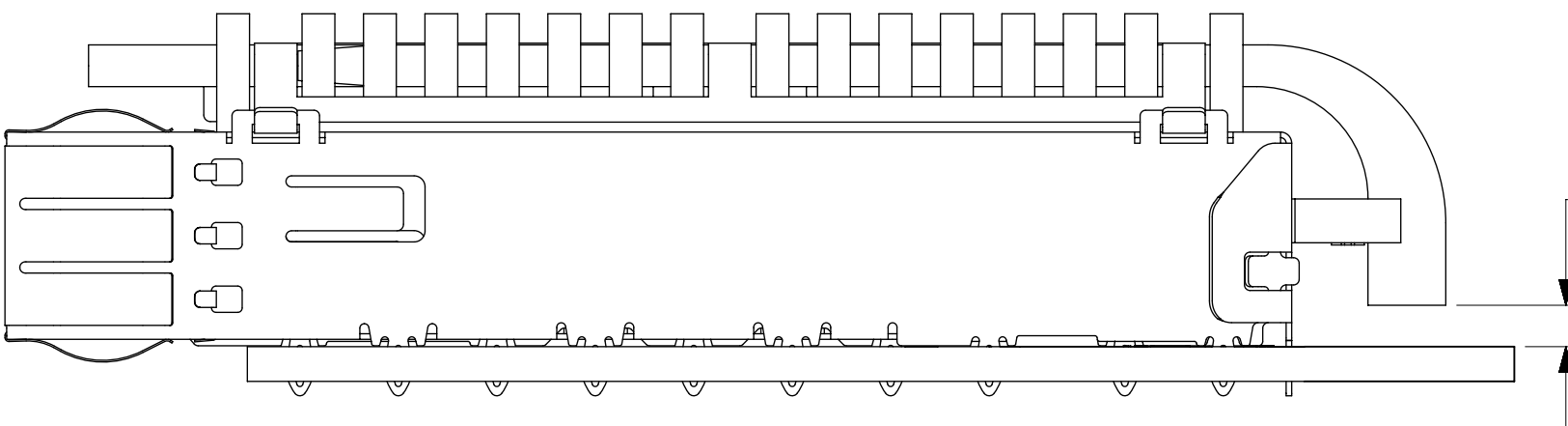
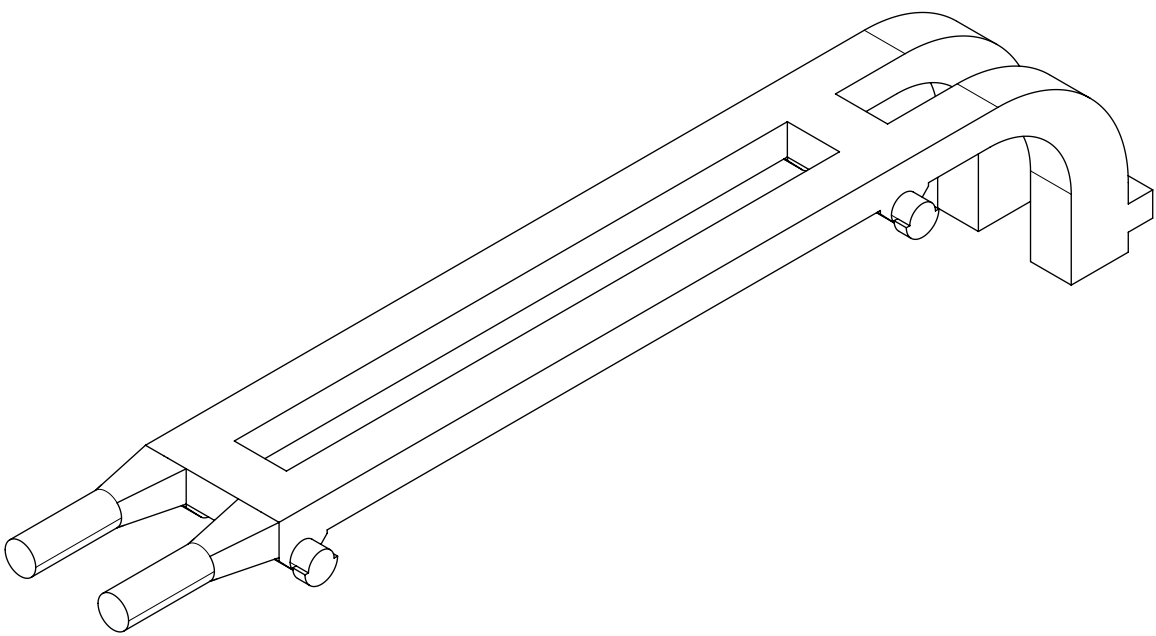
QUAD LIGHT PIPE



SINGLE LIGHT PIPE



DUAL LIGHT PIPE



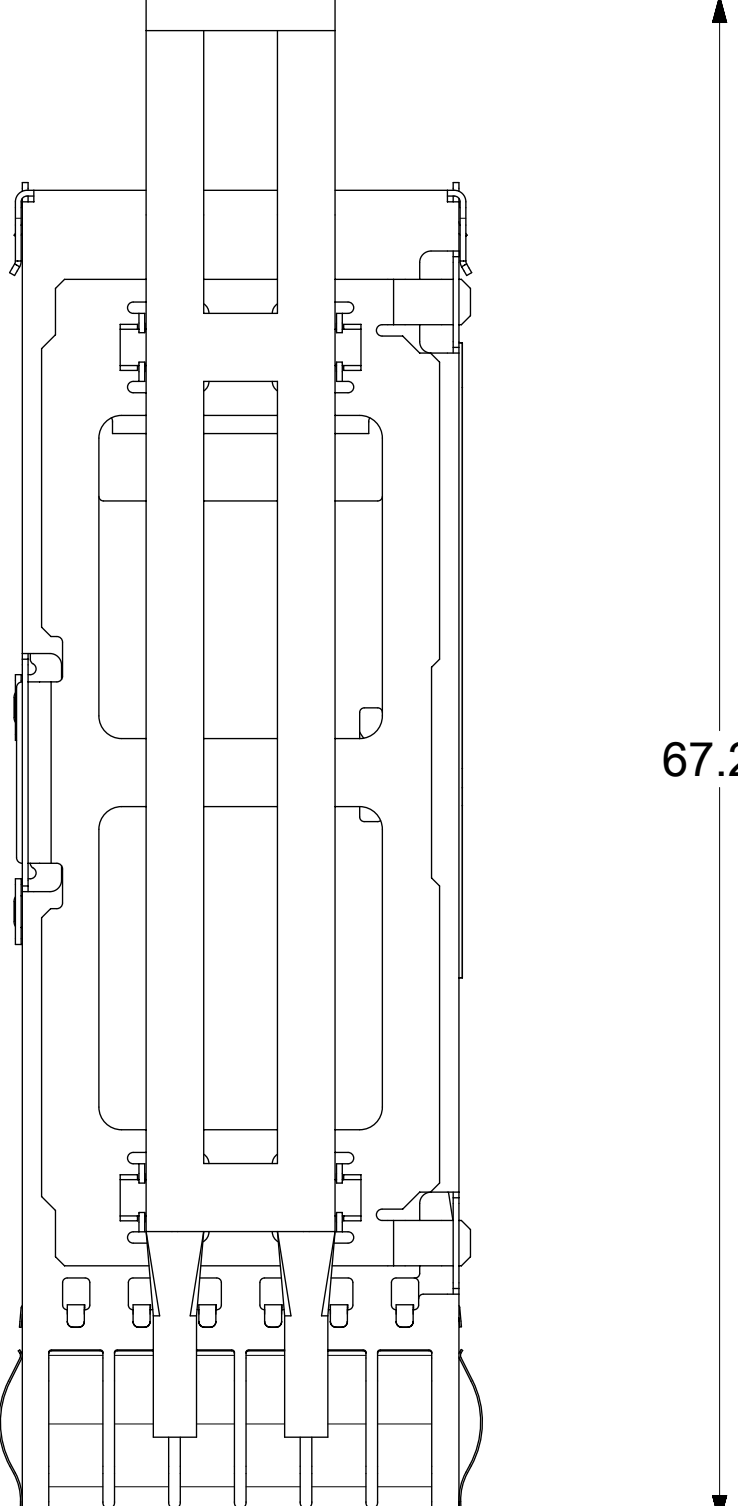
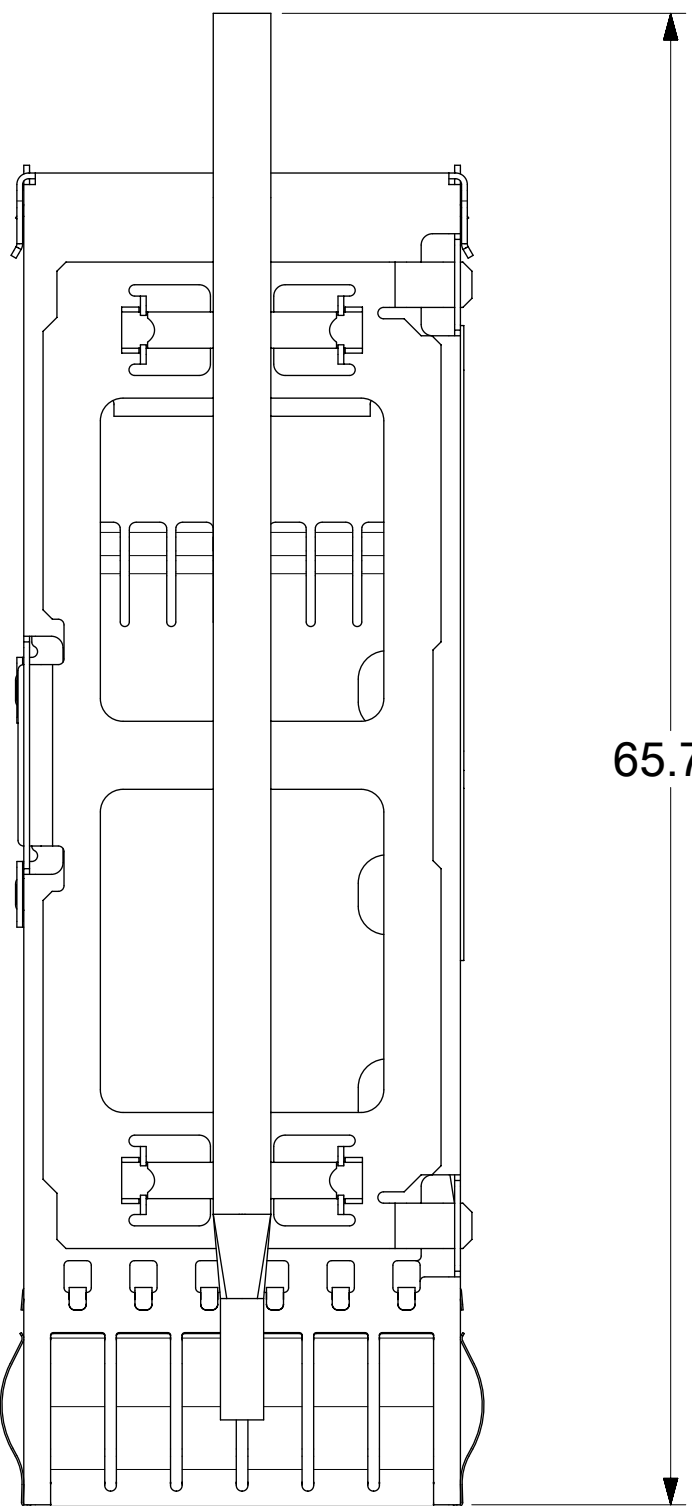
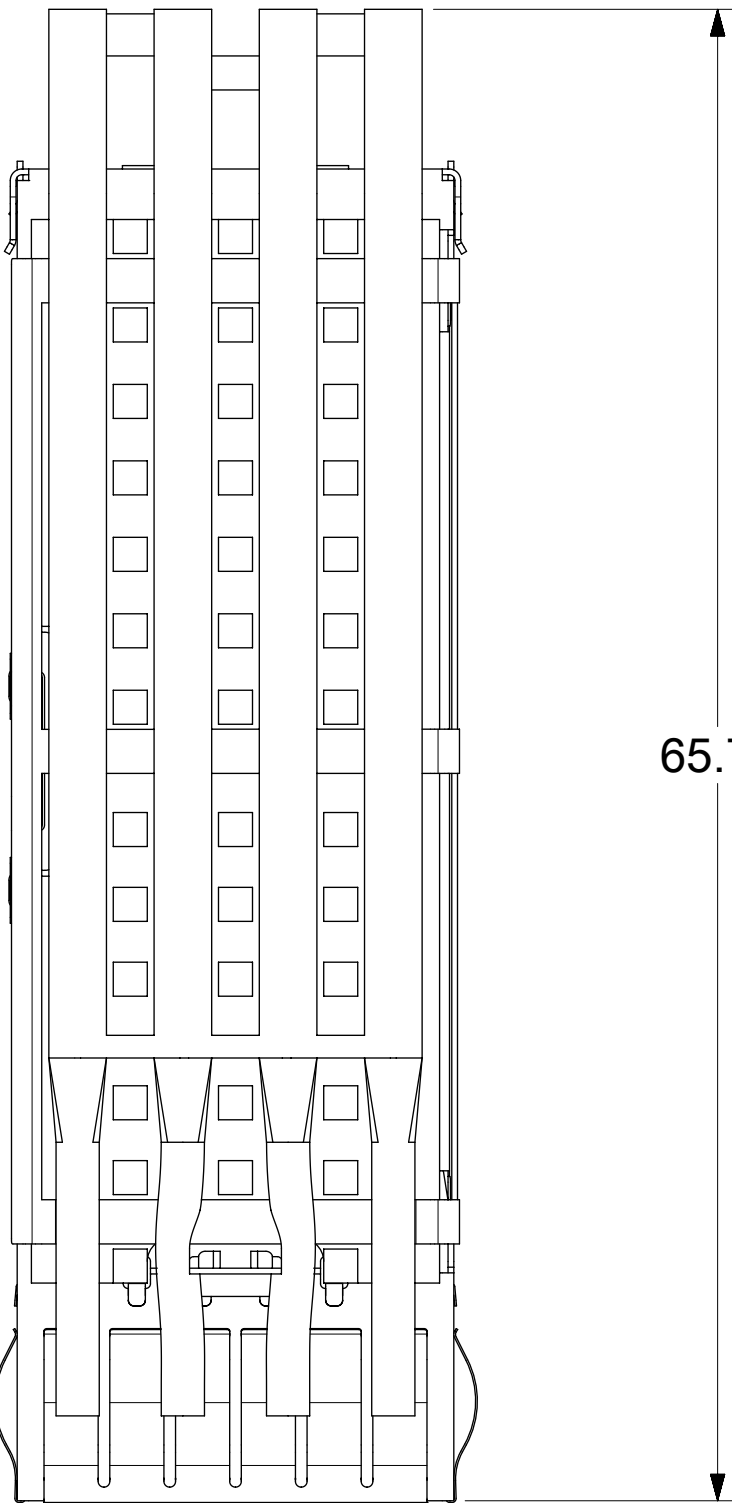
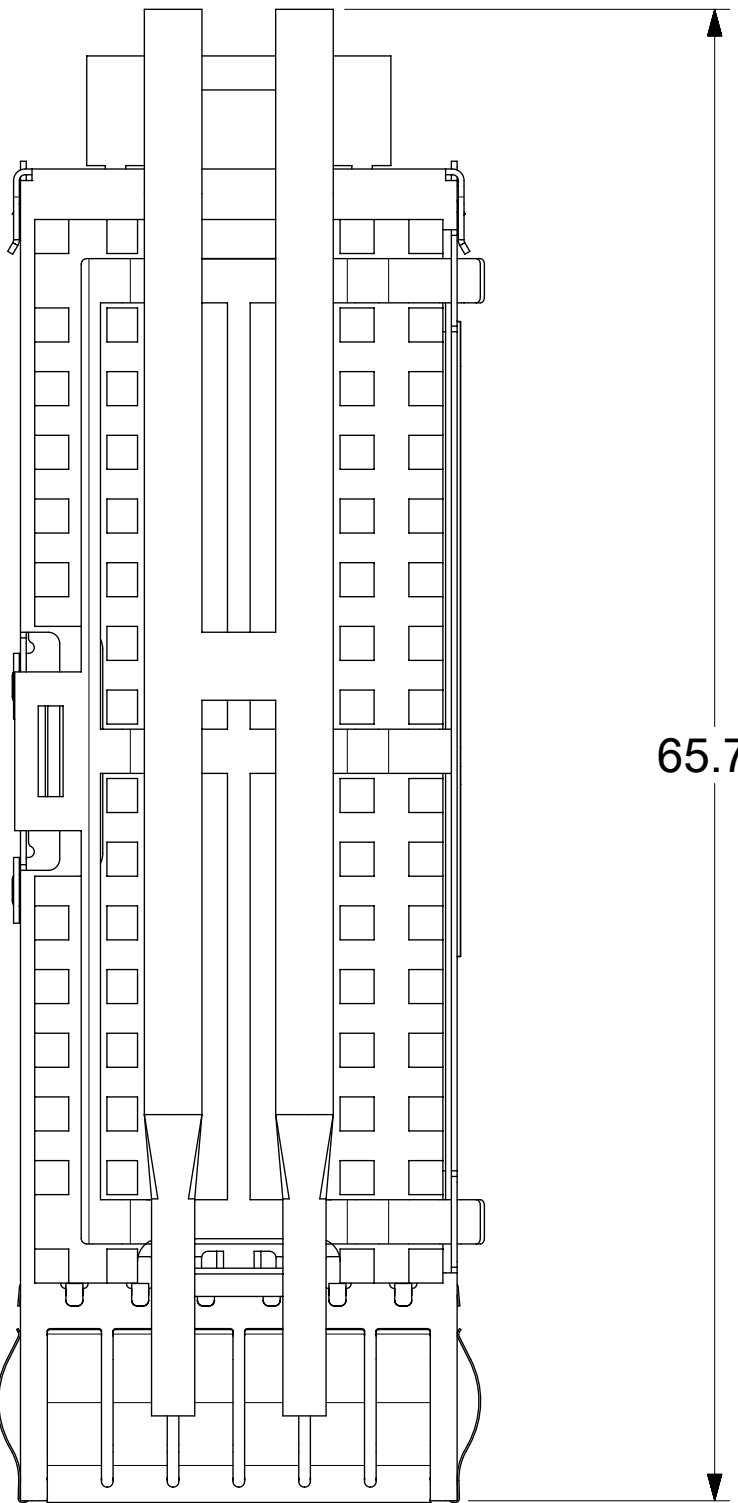
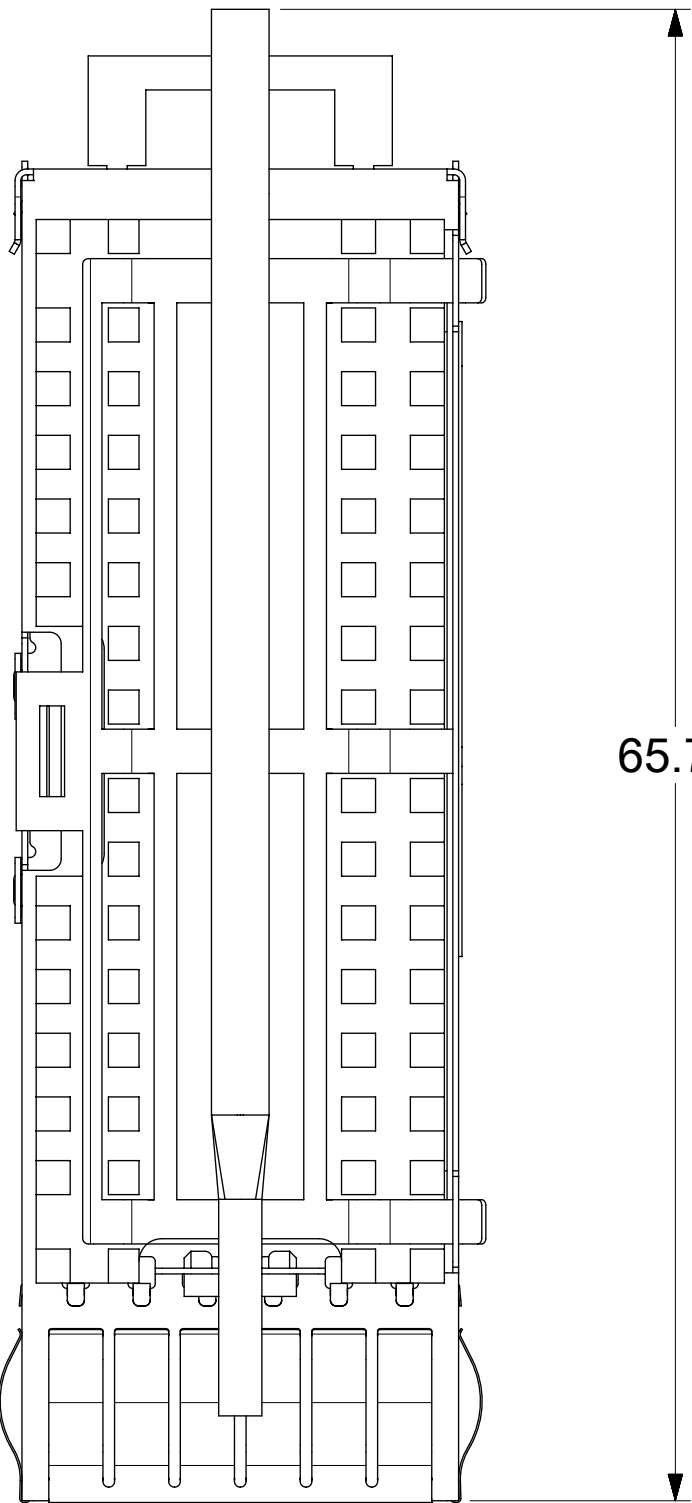
LED CLEARANCE (REF)

LIGHT PIPE	LED CLEARANCE (REF)
SINGLE	1.86
SINGLE	1.86
DUAL	1.86
DUAL	1.86
QUAD	1.86

NOTE:
1) FOR HEATSINK OPTIONS SEE SHEET 2.

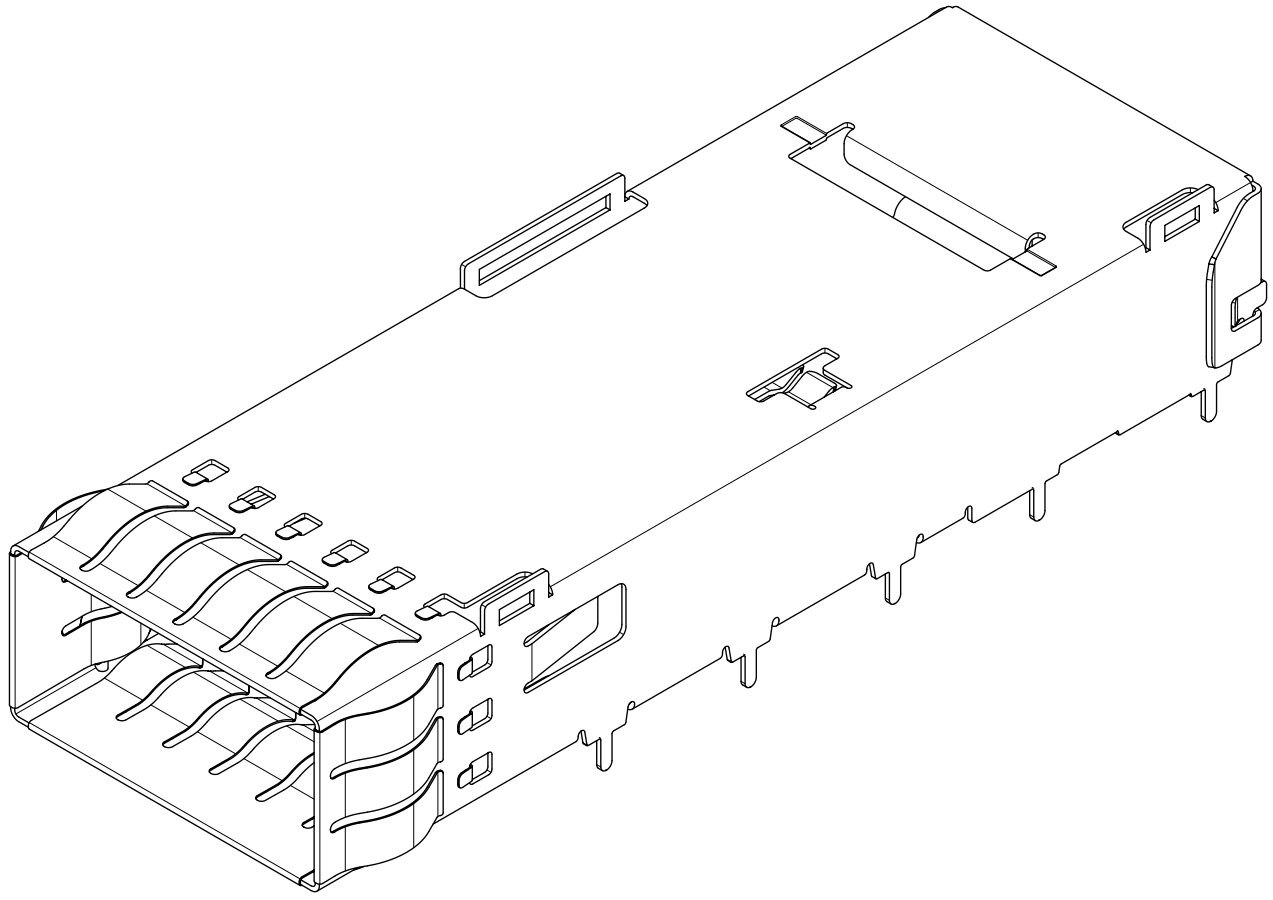
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
QUALITY SYMBOLS		SEE REVISION TABLE EC NO: 122627 DRWN: MKEMPEGOWDA CHKD: ELJU06 REV APPR: RCHEN08		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE			
	= 0			mm									
	= 0			DRWN BY		DATE							
	= 0			SJKG		2016/06/23							
	= 0			CHK'D BY		DATE							
	= 0			DSUN15		2017/06/02							
	= 0			APPR BY		DATE							
	= 0			RCHEN08		2017/06/05							
	= 0			DRAWING SIZE		THIRD ANGLE PROJECTION							
	= 0			D									
PRODUCT CUSTOMER DRAWING													
SERIES		MATERIAL NUMBER				CUSTOMER							
74750		SEE SHEET 5, 6 & 7				GENERAL MARKET							
DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER					
747500021				PSD		ASY		3 OF 12					
7		6		5		4		3		2		1	

CAGE ASSEMBLY OPTIONS (CONT.)

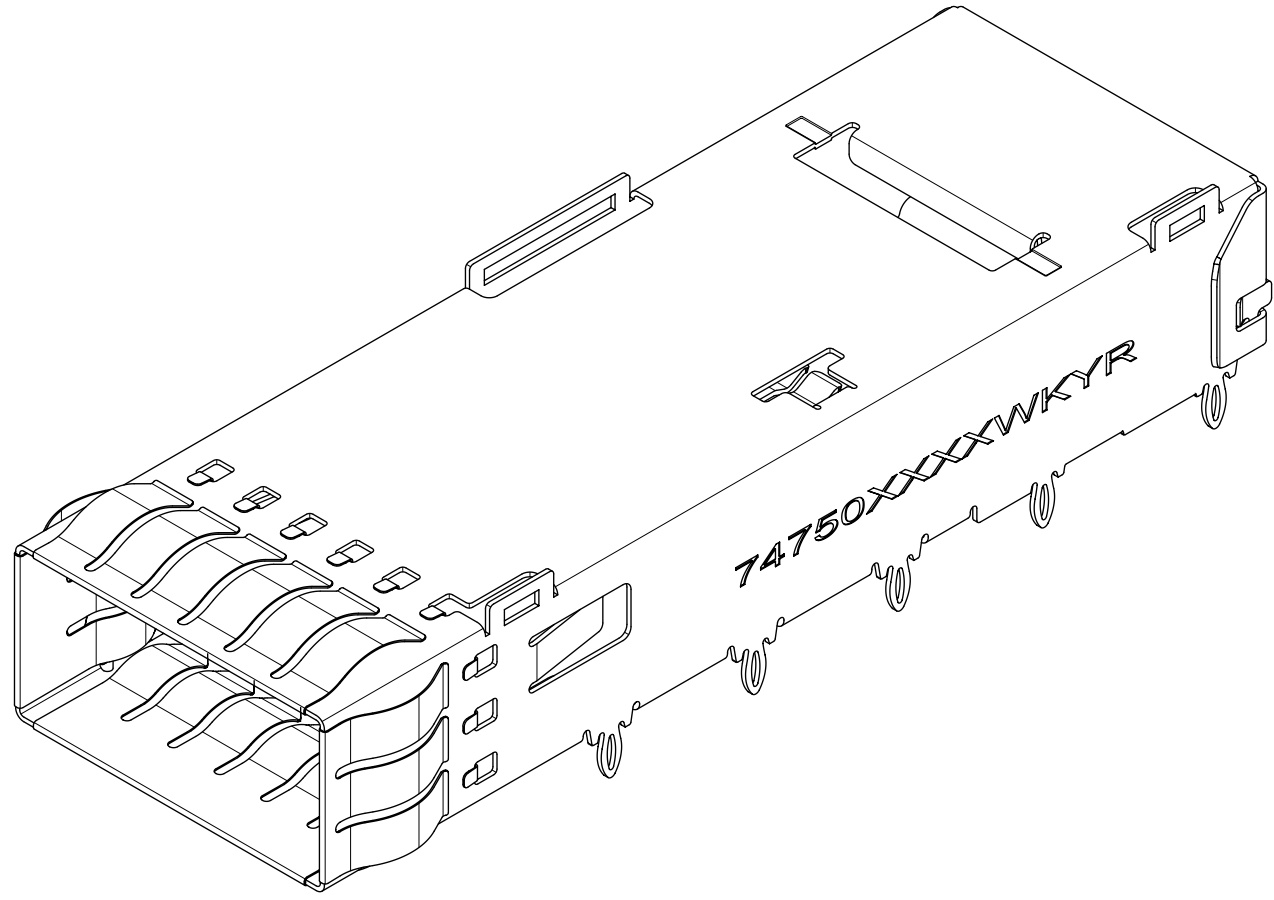


QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	= 0	SEE REVISION TABLE EC NO: 122627 DRWN: MKEMPEGOWDA CHKD: ELJU06 REV/ APPR: RCHEN08	2017/09/27	2017/09/28	2017/09/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
	= 0		ANGULAR TOL ± 1.0 °		mm								
	= 0		4 PLACES	±	DRWN BY	DATE	QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE						
	= 0		3 PLACES	±	SJKG	2016/06/23							
	= 0		2 PLACES	± 0.13	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING						
	= 0		1 PLACE	± 0.25	DSUN15	2017/06/02							
	= 0		0 PLACES	±	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER						
	= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		RCHEN08	2017/06/05							
	= 0				DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER						
	= 0				D								
RELEASE STATUS		P1	RELEASE DATE		28.09.2017	09:26:03							
74750		SEE SHEET 5, 6 & 7				GENERAL MARKET							
747500021		PSD	ASY	4 OF 12									

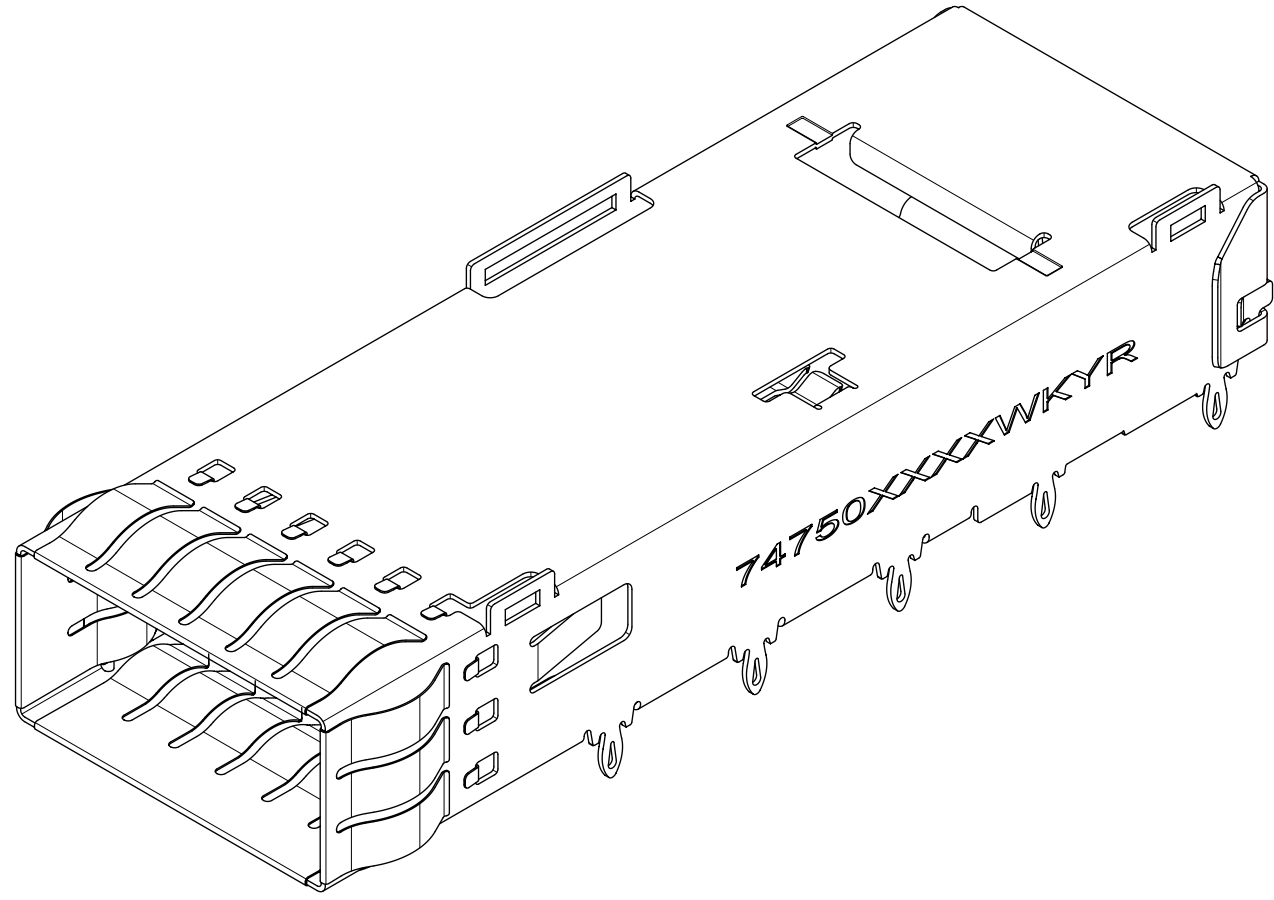
PART NUMBER SELECTION



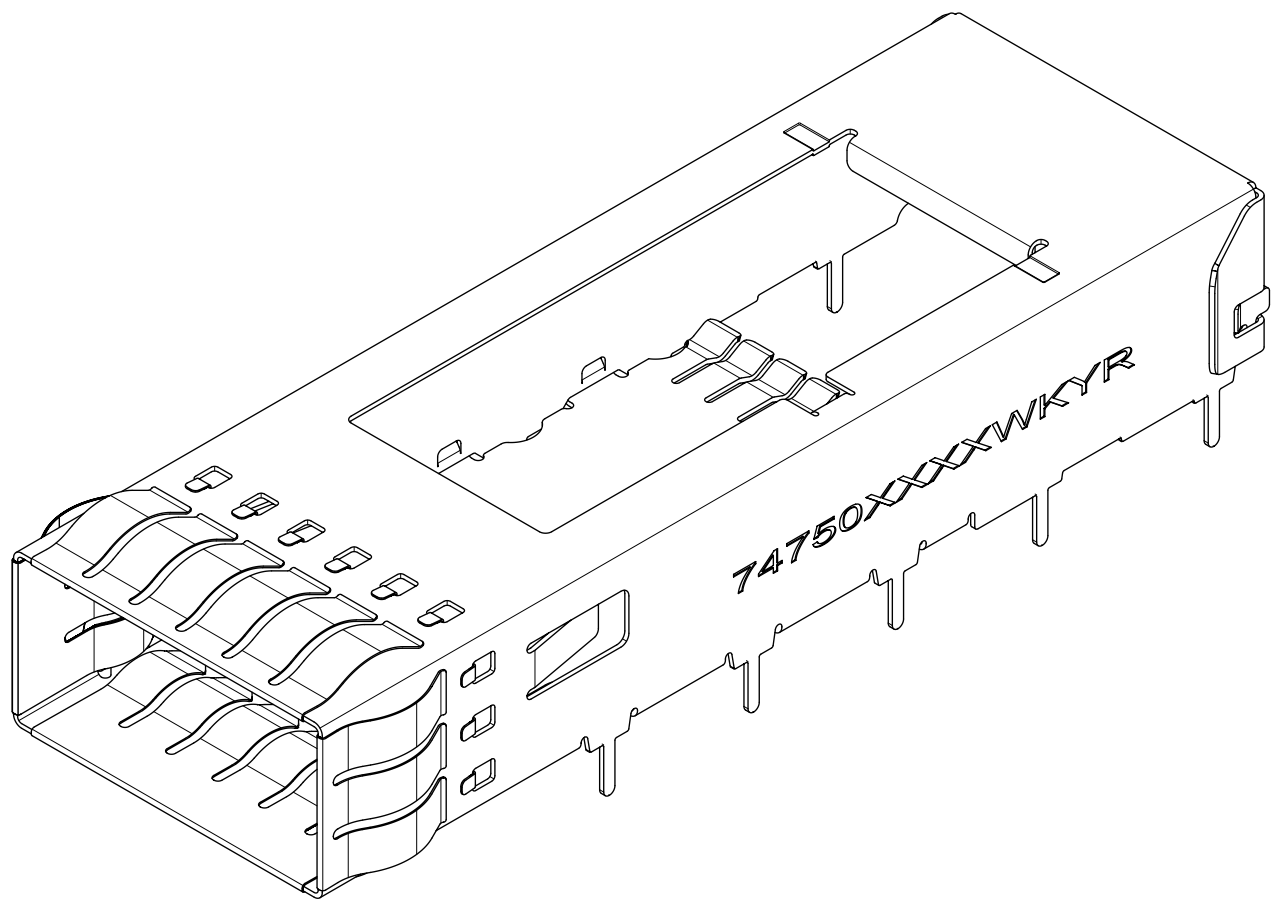
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500051	2	SOLDER POST	1.90	NICKEL
747500053	2	SOLDER POST	1.90	MATTE TIN
747500056	2	SOLDER POST	1.90	BRIGHT TIN



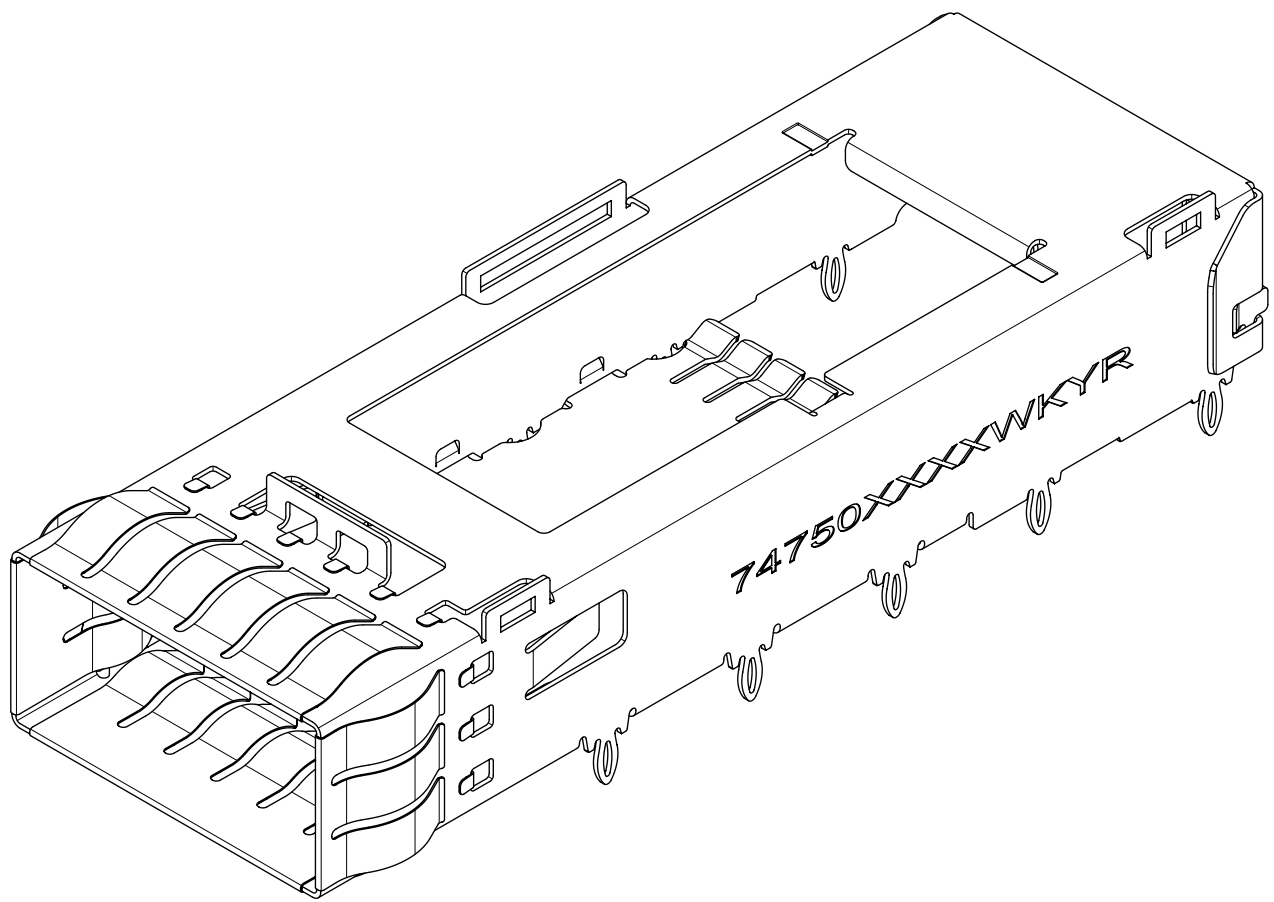
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500024	2	PRESS FIT-EON	2.28	NICKEL



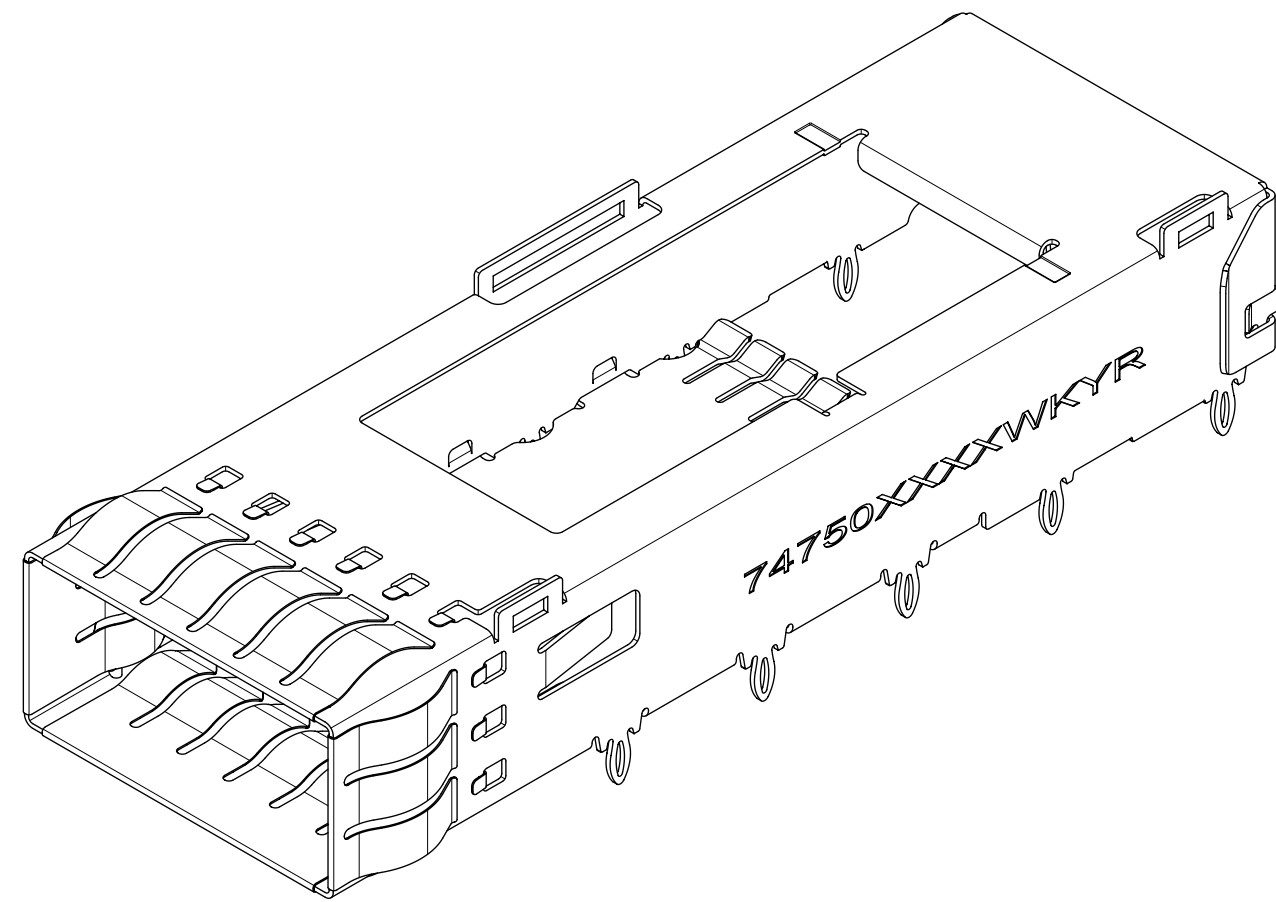
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747501102	2	PRESS FIT-TD	2.28	NICKEL
747501103	0	PRESS FIT-TD	2.28	NICKEL



MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500062	2	SOLDER POST	2.90	NICKEL
747500058	2	SOLDER POST	2.28	NICKEL



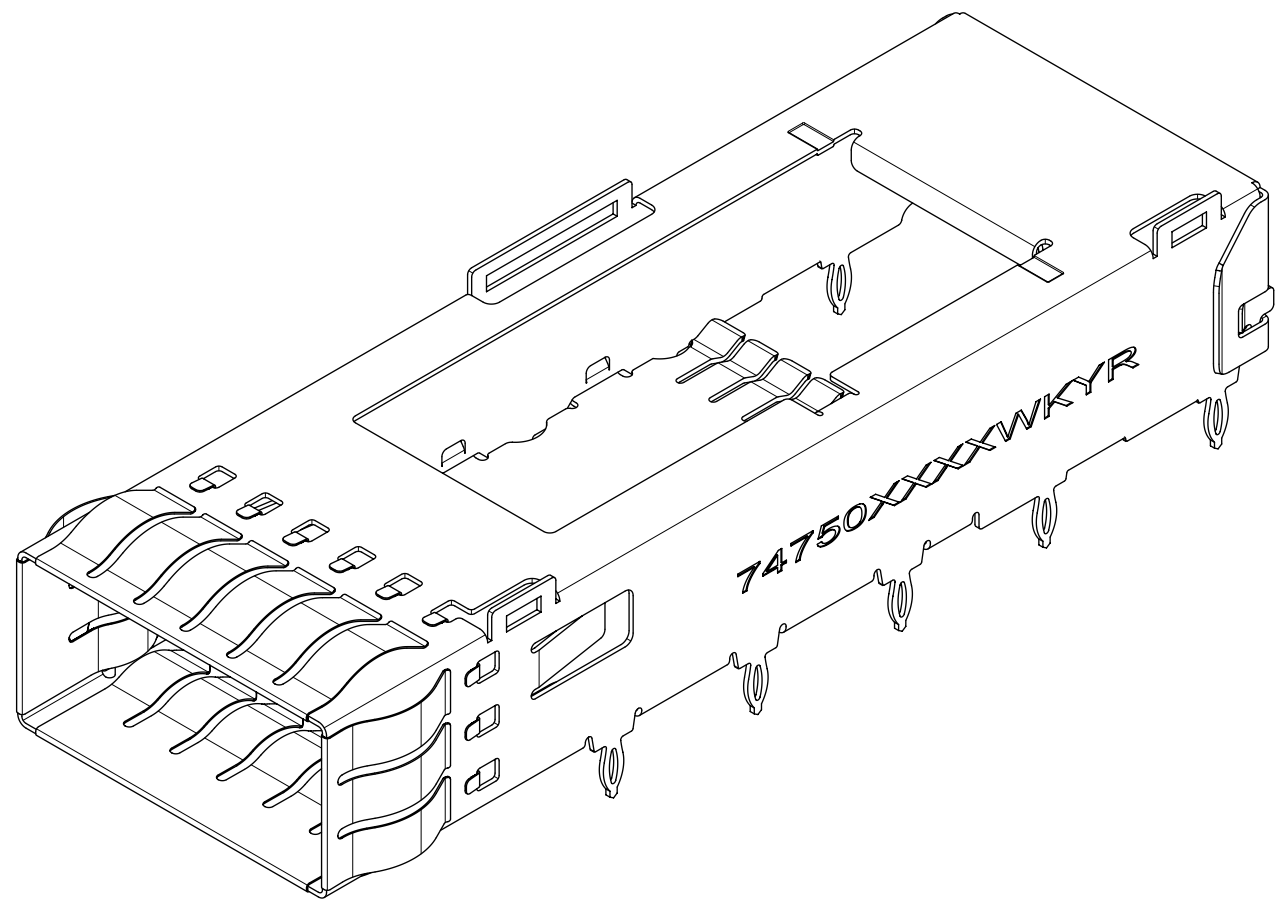
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500092	2	PRESS FIT-EON	2.28	NICKEL
747500093	0	PRESS FIT-EON	2.28	NICKEL



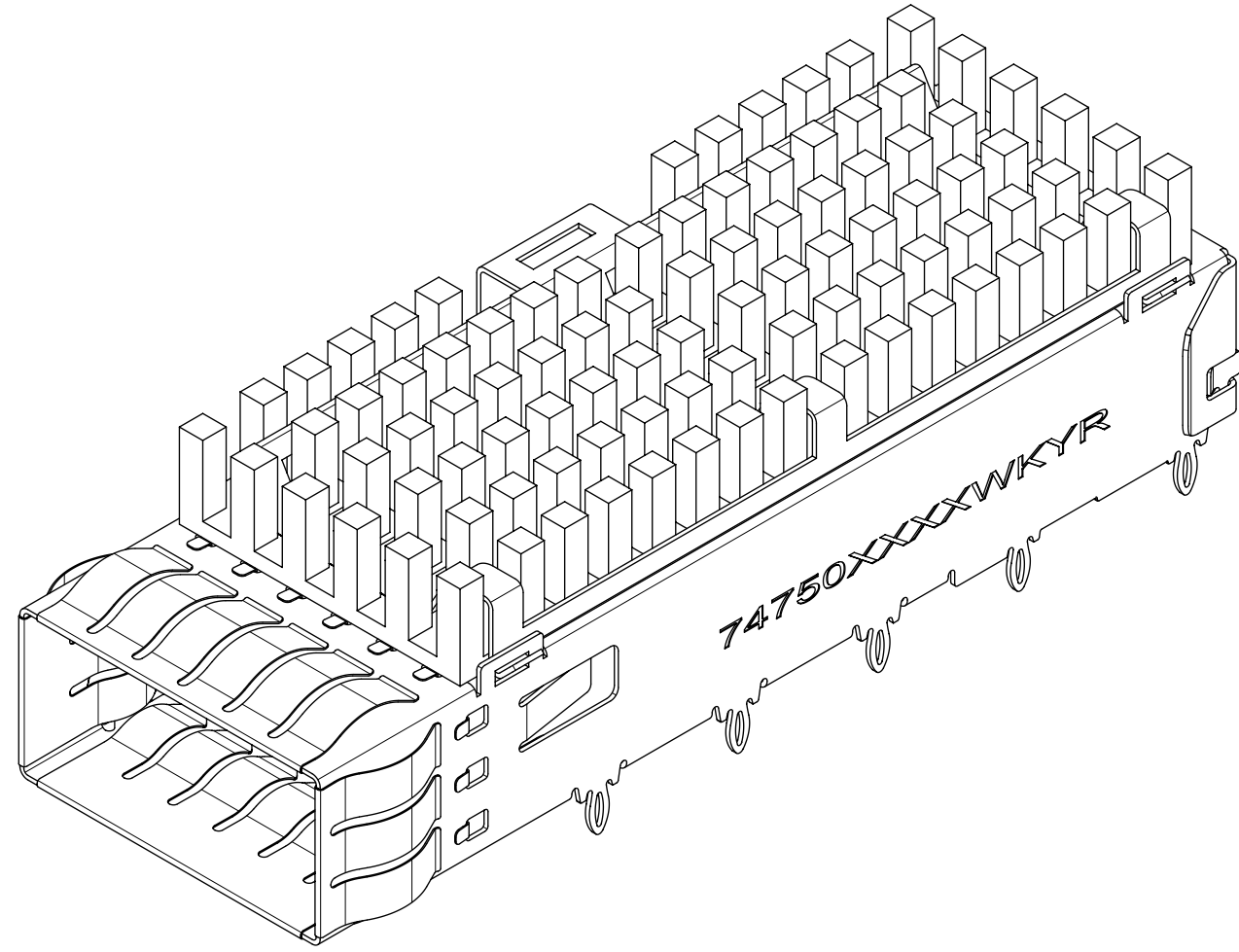
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500021	2	PRESS FIT-EON	2.28	NICKEL
747500023	0	PRESS FIT-EON	2.28	NICKEL
747501100	2	PRESS FIT-TD	2.28	NICKEL
747501101	0	PRESS FIT-TD	2.28	NICKEL

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	= 0	SEE REVISION TABLE	EC NO: 122627 DRWN: MKEMPEGOWDA CHK'D: ELIU06 APPR: RCHEN08	2017/09/27 2017/09/28 2017/09/28	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		 QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE							
	= 0					mm											
	= 0					DRWN BY		DATE									
	= 0					SJKG		2016/06/23									
	= 0					CHK'D BY		DATE									
	= 0					DSUN15		2017/06/02									
	= 0					APPR BY		DATE									
	= 0					RCHEN08		2017/06/05									
						DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING							
						D											
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SERIES		MATERIAL NUMBER		CUSTOMER			
								74750		SEE SHEET 5, 6 & 7		GENERAL MARKET					
										DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
										747500021		PSD		ASY		5 OF 12	

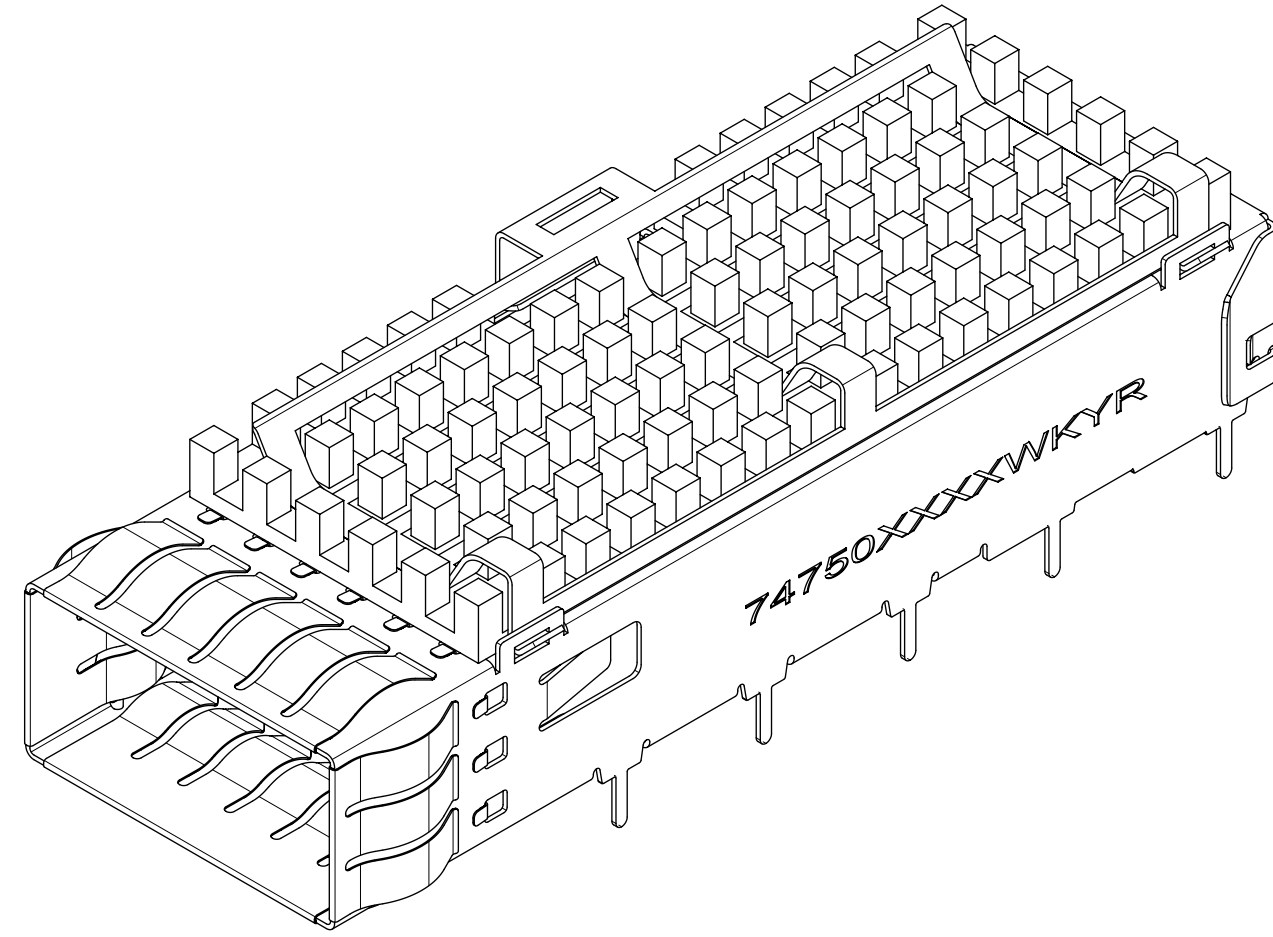
PART NUMBER SELECTION (CONT)



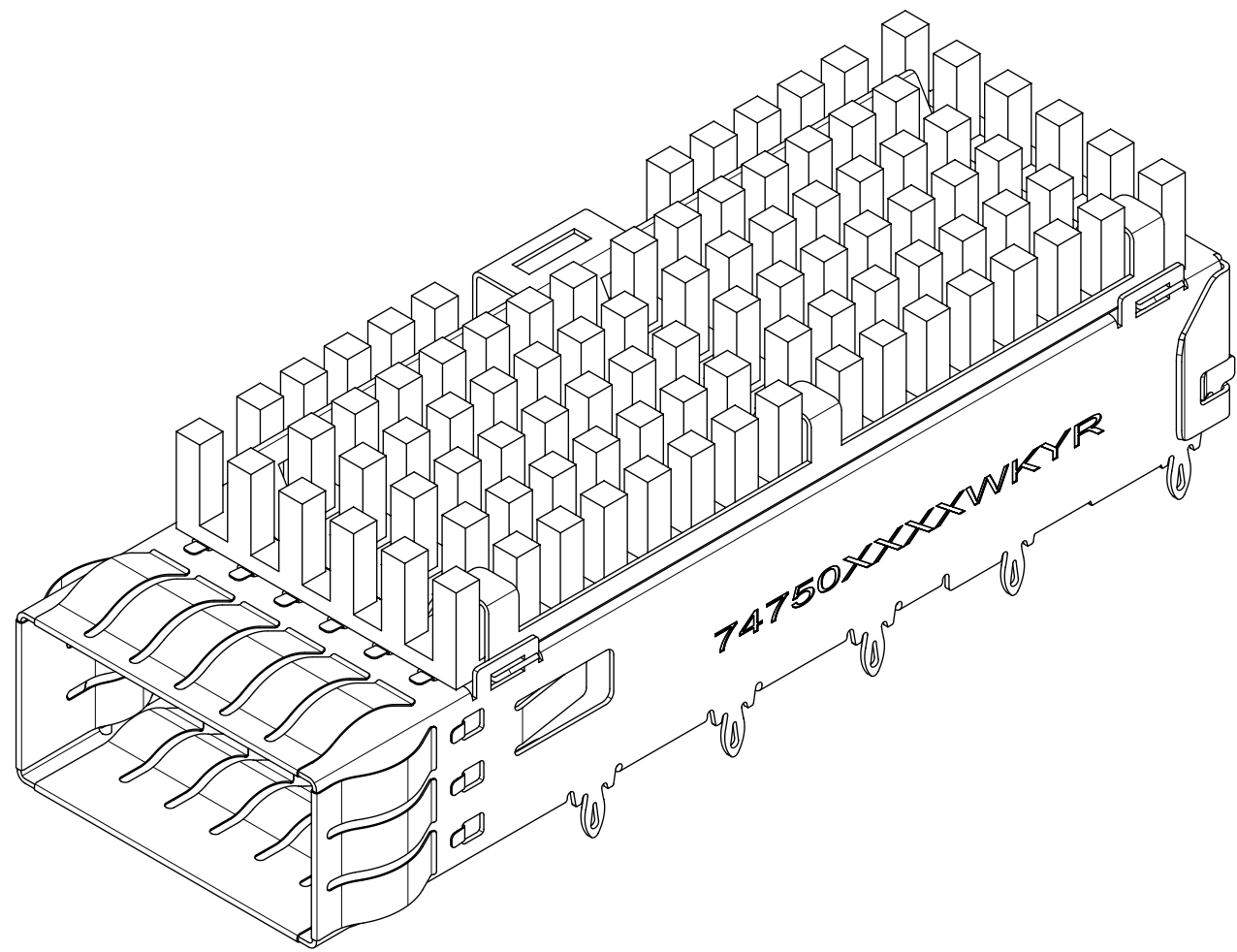
MOLEX P/N	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500012	2	PRESS FIT-EON	3.05	NICKEL



MOLEX P/N	HS	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500040	SAN	2	PRESS FIT-EON	2.28	NICKEL
747500042	SAN	0	PRESS FIT-EON	2.28	NICKEL
747500044	PCI	2	PRESS FIT-EON	2.28	NICKEL
747500046	NET	2	PRESS FIT-EON	2.28	NICKEL



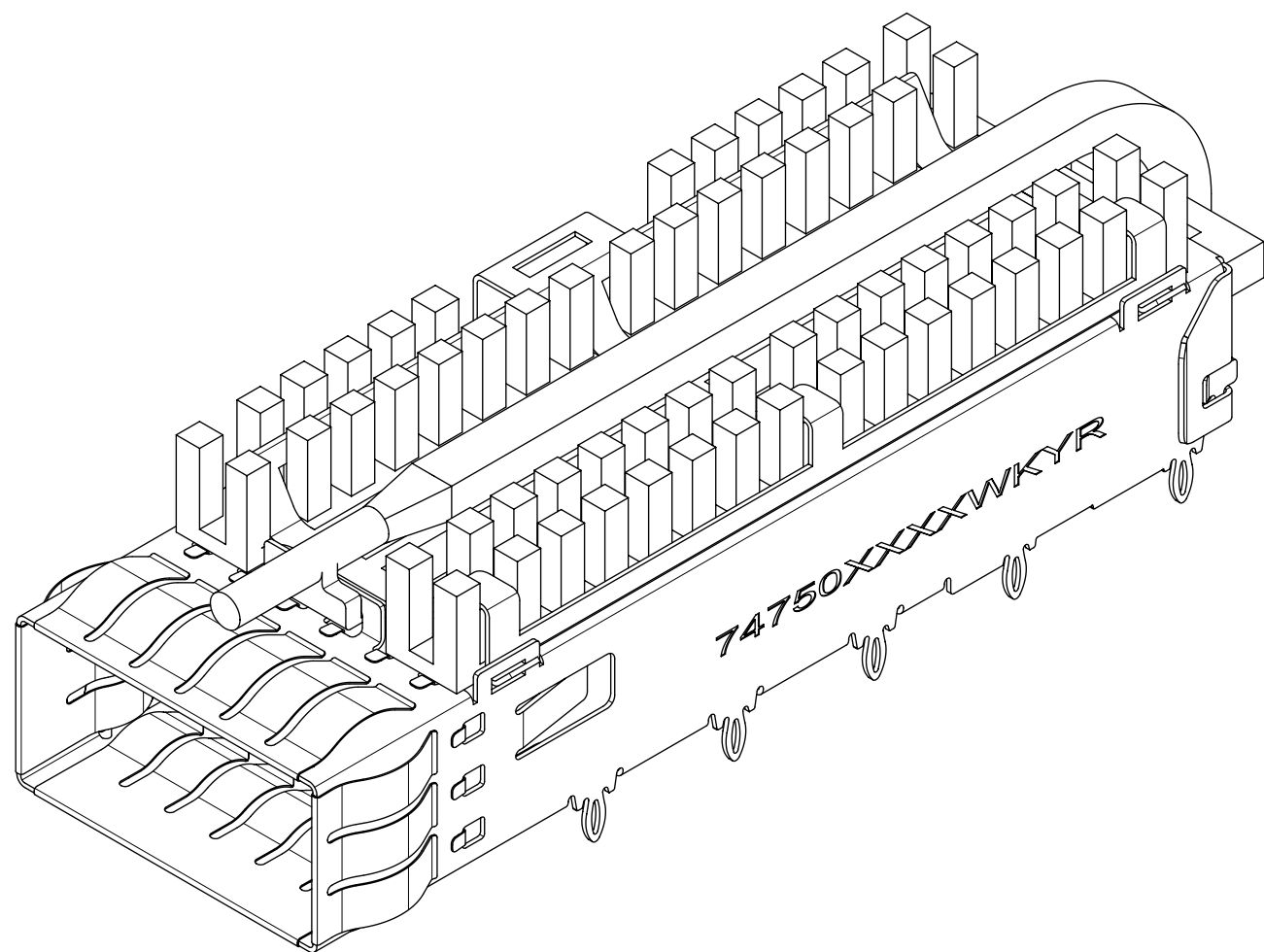
MOLEX P/N	HS	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747500057	PCI	2	SOLDER POST	2.90	NICKEL
747500059	SAN	2	SOLDER POST	2.90	NICKEL
747500063	NET	2	SOLDER POST	2.90	NICKEL



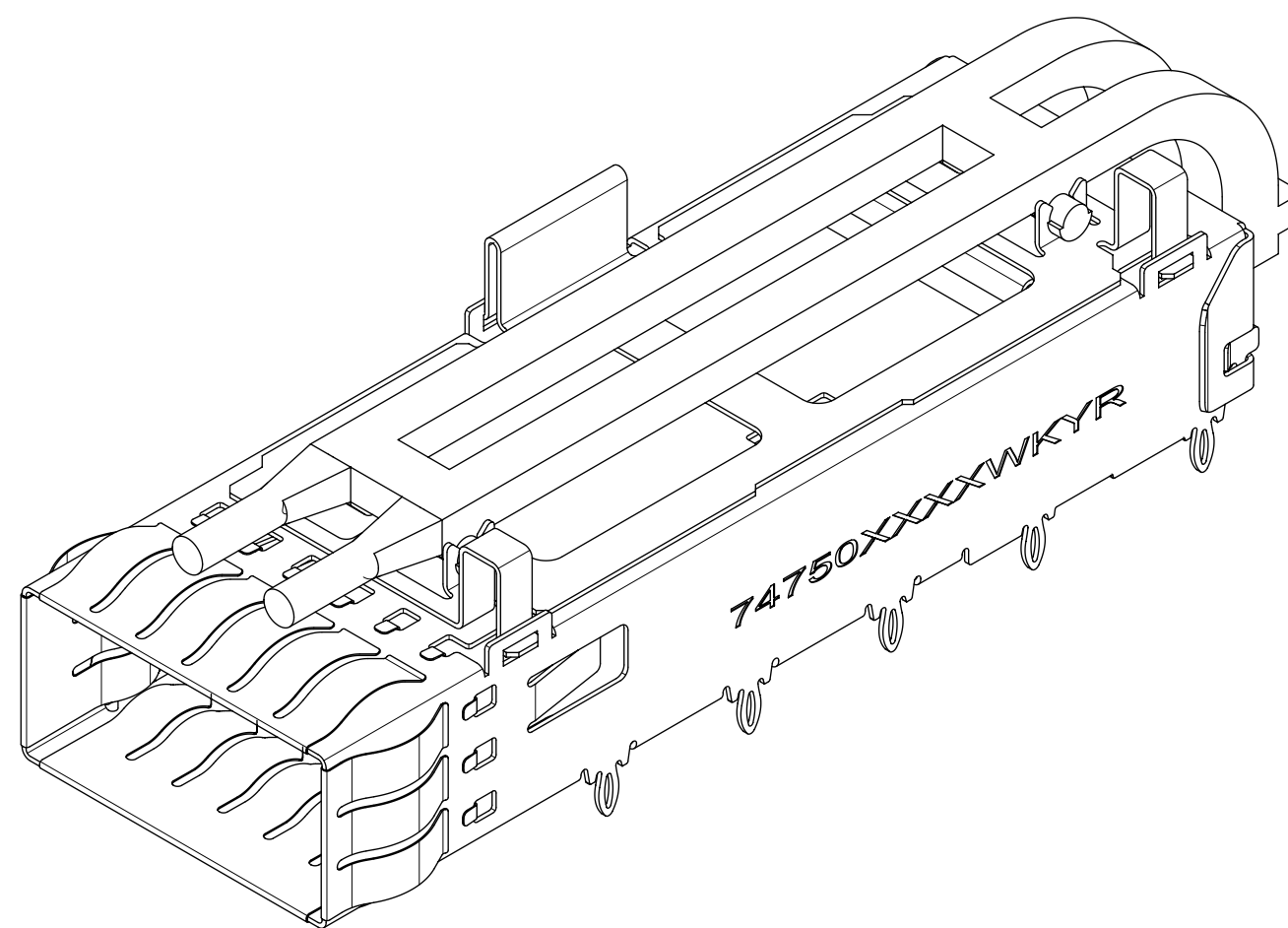
MOLEX P/N	MOLEX CAGE W/O HS ASSEMBLY P/N	HS	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	PLATING
747501140	747501100	SAN	2	PRESS FIT-TD	2.28	NICKEL
747501141	747501101	SAN	0	PRESS FIT-TD	2.28	NICKEL
747501142	747501100	PCI	2	PRESS FIT-TD	2.28	NICKEL
747501143	747501100	NET	2	PRESS FIT-TD	2.28	NICKEL

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
 = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0		SEE REVISION TABLE		2017/09/27 2017/09/28 2017/09/28		GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION UNITS mm		SCALE DRWN BY SJKG		DATE 2016/06/23	
						ANGULAR TOL $\pm 1.0^\circ$ 4 PLACES $\pm$ 3 PLACES $\pm$ 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES $\pm$		CHKD BY DSUN15		DATE 2017/06/02	
						APPR BY RCHEN08		DATE 2017/06/05		molex®	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE D		THIRD ANGLE PROJECTION 	
										QSF+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE	
										PRODUCT CUSTOMER DRAWING	
										SERIES 74750	
										MATERIAL NUMBER SEE SHEET 5, 6 & 7	
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										DOCUMENT NUMBER 747500021	
										DOC TYPE PSD	
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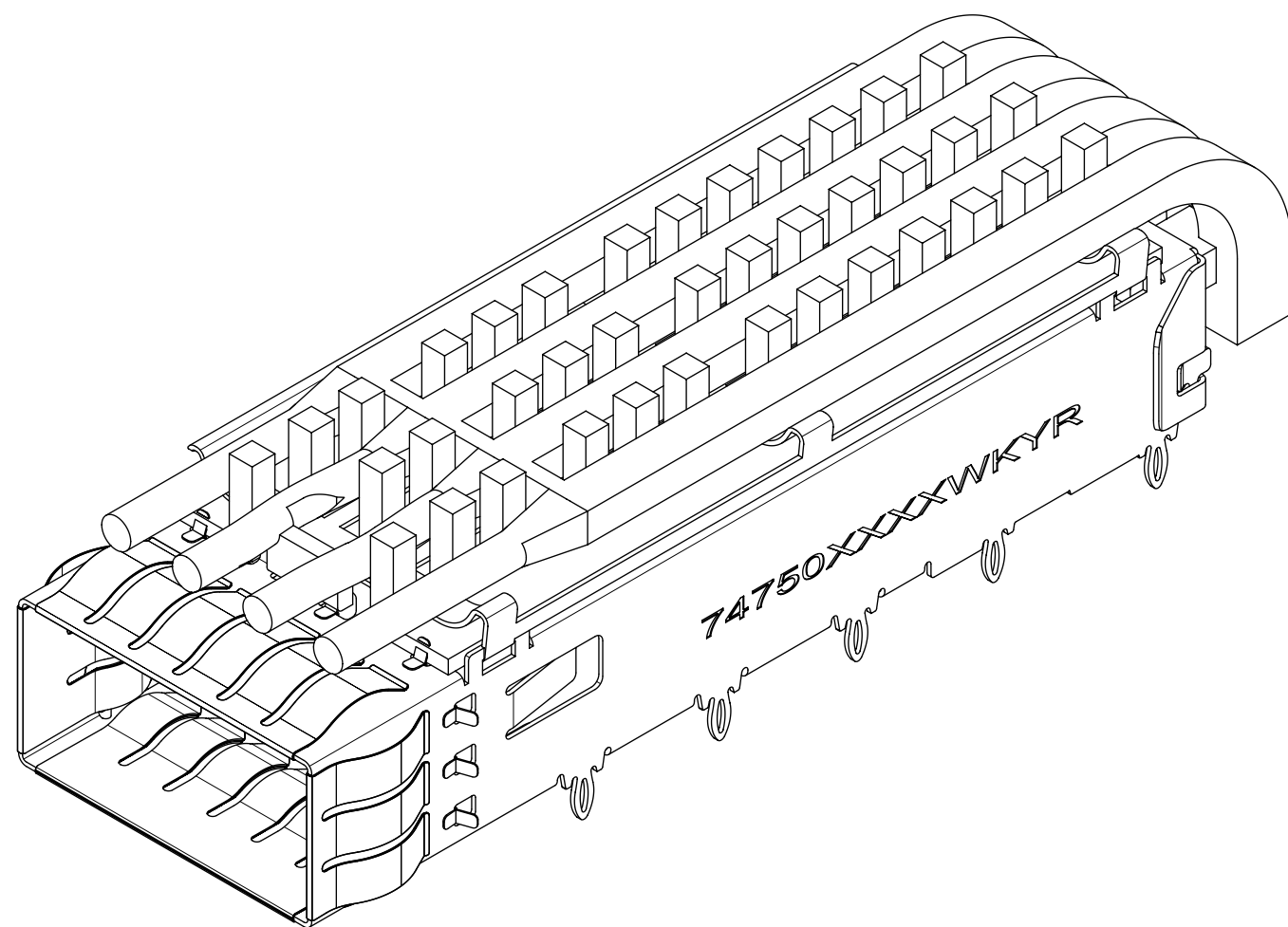
PART NUMBER SELECTION (CONT)



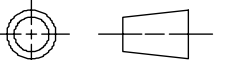
MOLEX P/N	MOLEX CAGE W/O HS ASSEMBLY P/N	LP SINGLE(747500403) DUAL(747500404)	TIP STYLE	HS	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	DIM "B"	PLATING
747500080	747500092	SINGLE	ROUND	SAN	2	PRESS FIT-EON	2.28	60.25	NICKEL
747500081	747500092	SINGLE	ROUND	NET	2	PRESS FIT-EON	2.28	60.25	NICKEL
747500082	747500092	DUAL	ROUND	SAN	2	PRESS FIT-EON	2.28	60.25	NICKEL
747500083	747500092	DUAL	ROUND	NET	2	PRESS FIT-EON	2.28	60.25	NICKEL
747500084	747500093	SINGLE	ROUND	SAN	0	PRESS FIT-EON	2.28	60.25	NICKEL
747500085	747500093	SINGLE	ROUND	NET	0	PRESS FIT-EON	2.28	60.25	NICKEL
747500086	747500093	DUAL	ROUND	SAN	0	PRESS FIT-EON	2.28	60.25	NICKEL
747500087	747500093	DUAL	ROUND	NET	0	PRESS FIT-EON	2.28	60.25	NICKEL
747500088	N/A	DUAL	ROUND	NET	2	PRESS FIT-TD	2.28	60.25	NICKEL

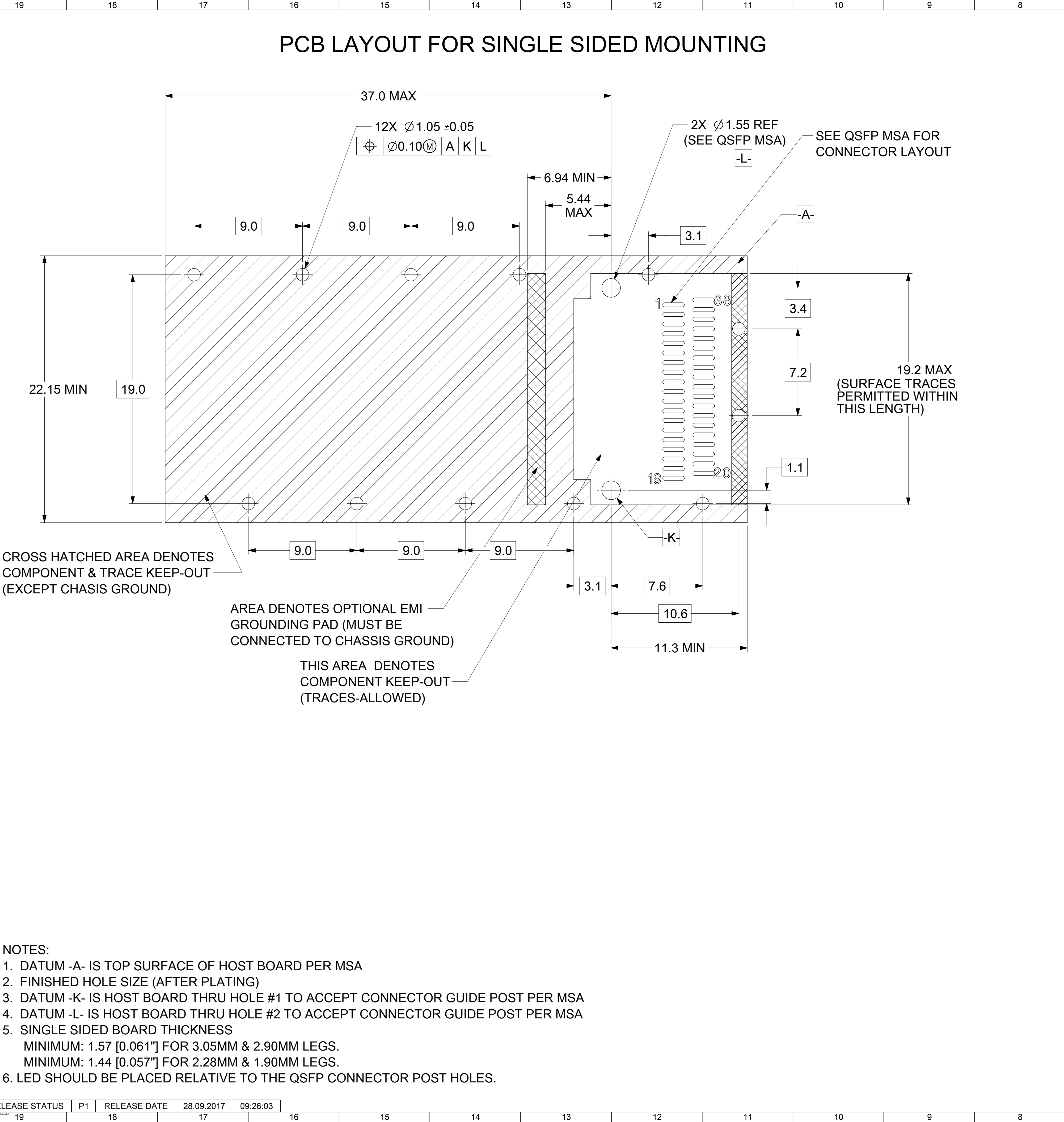


MOLEX P/N	MOLEX CAGE W/O HS ASSEMBLY P/N	LIGHT PIPE ASSEMBLY P/N	TIP STYLE	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	DIM "B"	PLATING
747501586	747500024	747500031	ROUND	2	PRESS FIT-EON	2.28	60.25	NICKEL

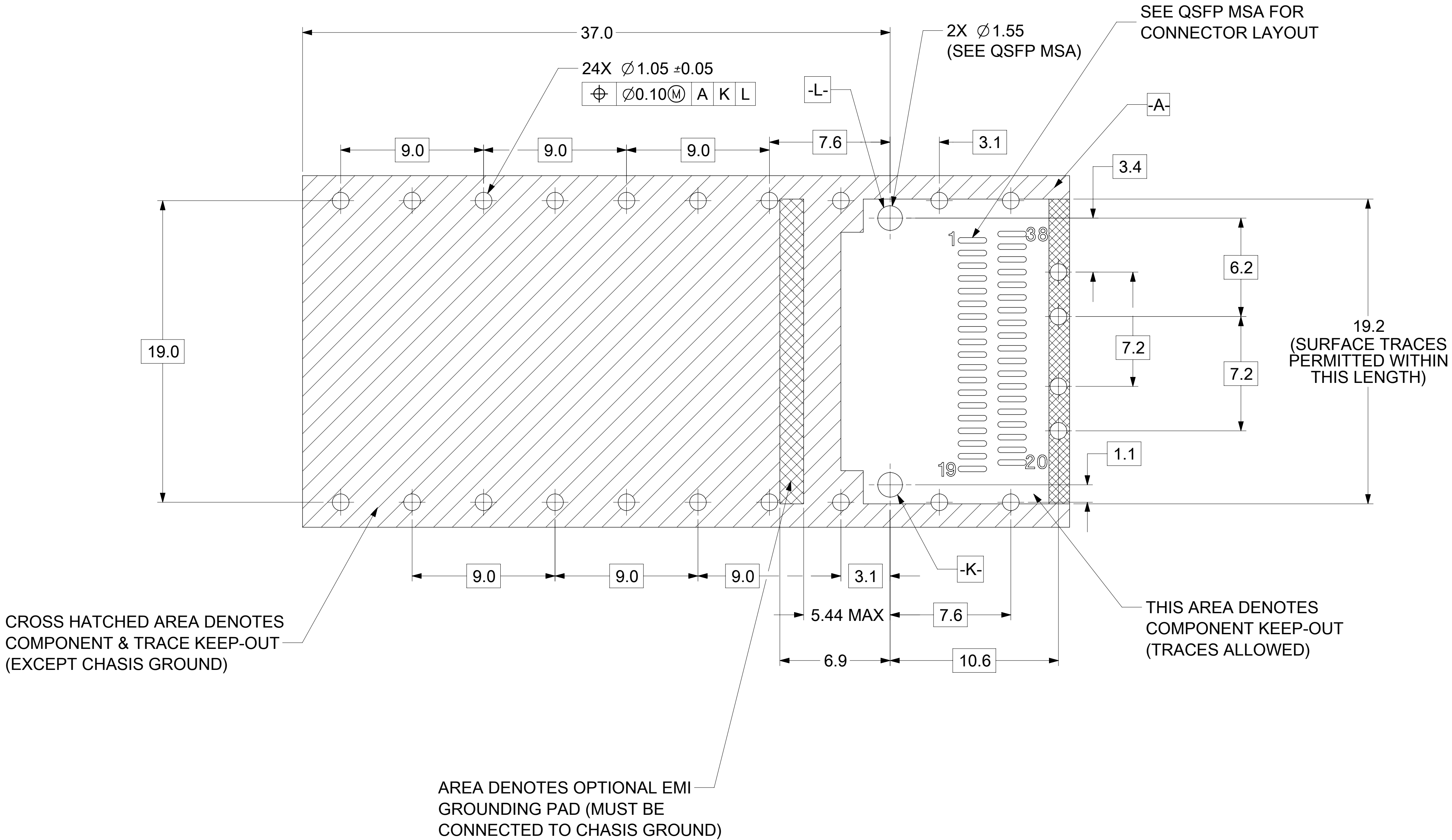


MOLEX P/N	LP	TIP STYLE	HS	# OF REAR LEGS PER PORT	LEG TYPE	DIM "A"	DIM "B"	PLATING
747501580	QUAD	ROUND	PCI	2	PRESS FIT-EON	2.28	60.25	NICKEL
747501581	QUAD	ROUND	SAN	2	PRESS FIT-EON	2.28	60.25	NICKEL
747501582	QUAD	ROUND	NET	2	PRESS FIT-EON	2.28	60.25	NICKEL
747501583	QUAD	ROUND	PCI	0	PRESS FIT-EON	2.28	60.25	NICKEL
747501584	QUAD	ROUND	SAN	0	PRESS FIT-EON	2.28	60.25	NICKEL
747501585	QUAD	ROUND	NET	0	PRESS FIT-EON	2.28	60.25	NICKEL

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
 = 0	SEE REVISION TABLE EC NO: 122627 DRWN: MKMEPEGOWDA CHK'D: ELIU06 APPR: RCHEN08	2017/09/27	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE						
 = 0		2017/09/28		mm							
 = 0		2017/09/28		DRWN BY	DATE	QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE					
 = 0		ANGULAR TOL ± 1.0 °		SJKG	2016/06/23						
 = 0		4 PLACES ±		CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING					
 = 0		3 PLACES ±		DSUN15	2017/06/02						
 = 0		2 PLACES ± 0.13		APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER					
 = 0		1 PLACE ± 0.25		RCHEN08	2017/06/05						74750
 = 0		0 PLACES ±	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER						
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	D					747500021	PSD	ASY	7 OF 12
= 0	N	REV									



PCB LAYOUT FOR BELLY TO BELLY MOUNTING



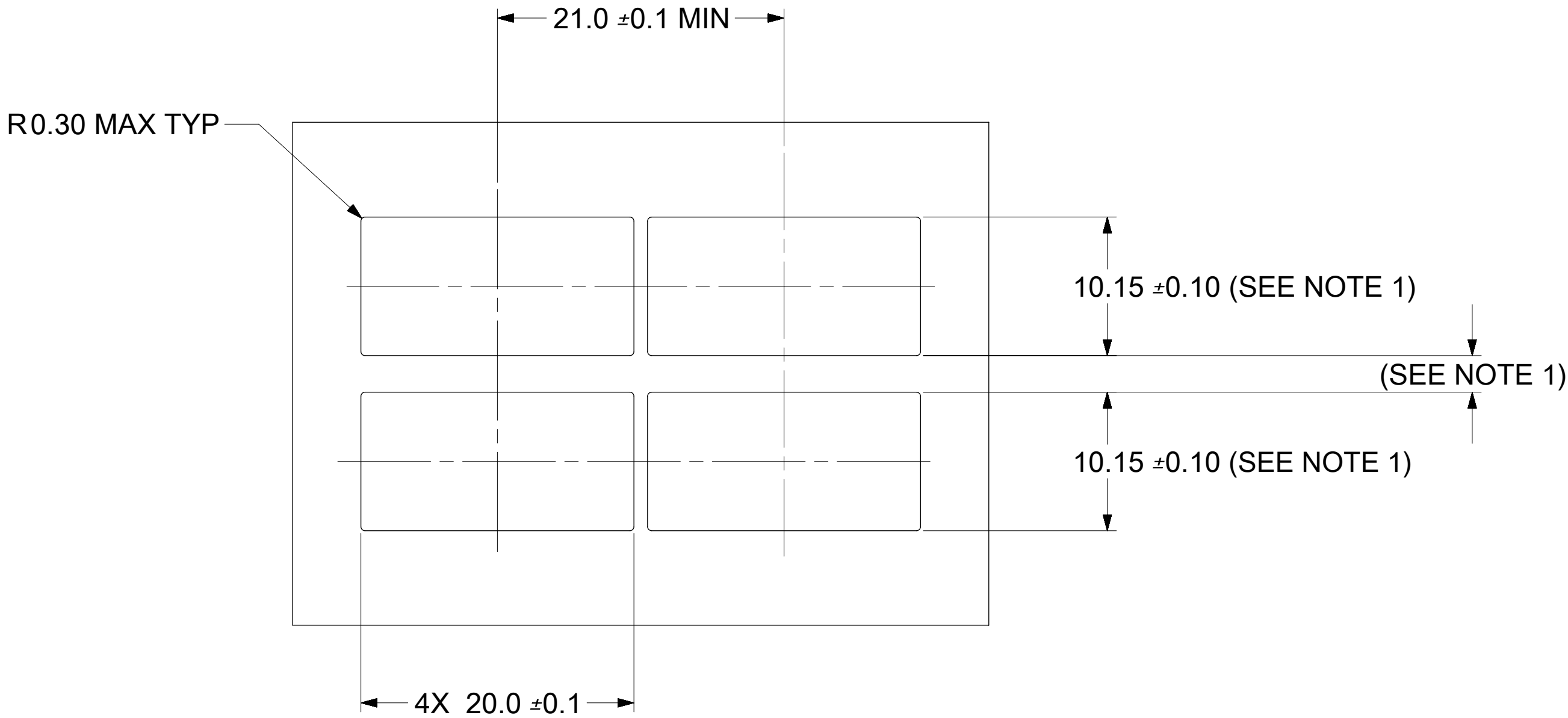
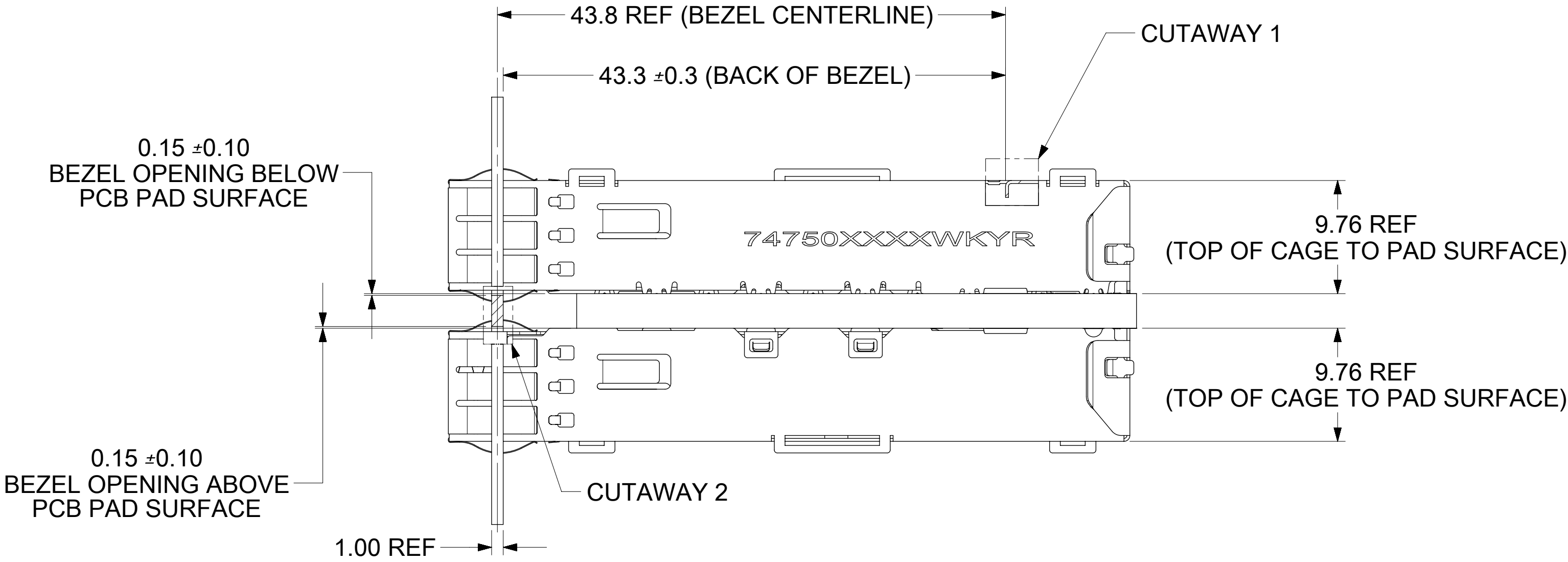
NOTE:
SEE PREVIOUS SHEET FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS

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:
MINIMUM: 3.00 [0.118"] FOR 3.05MM LEGS.
MINIMUM: 2.07 [0.081"] FOR 2.28MM LEGS.
1.90MM AND 2.90MM SOLDER POST LEGS CANNOT BE MOUNTED BELLY TO BELLY

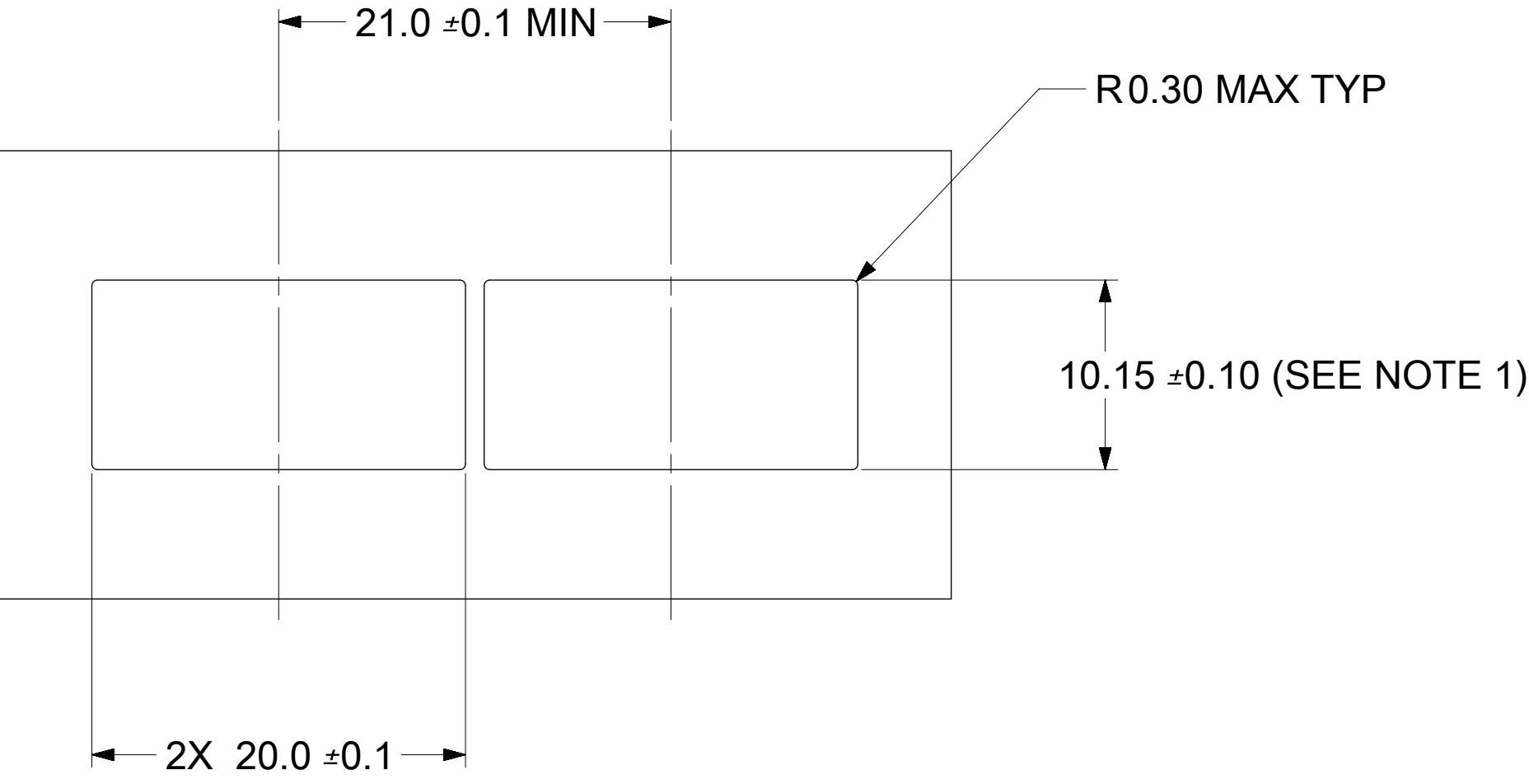
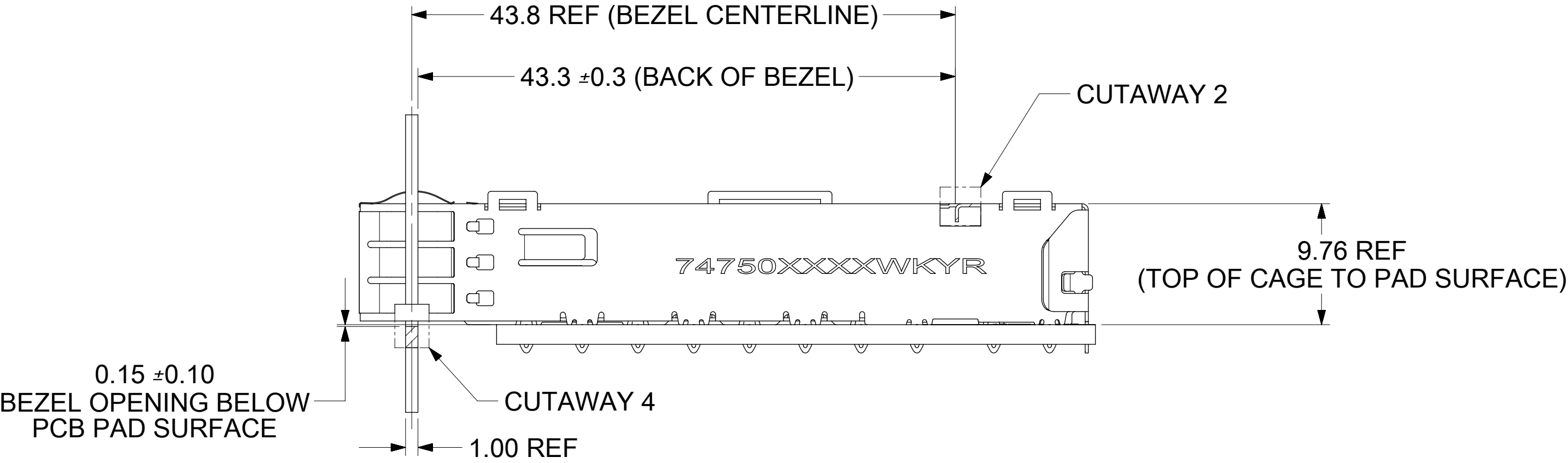
QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	= 0	SEE REVISION TABLE	EC NO: 122627 DRWN: MKEMPEGOWDA CHKD: ELJU06 APPR: RCHEN08	2017/09/27 2017/09/28 2017/09/28	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE			
	= 0					mm					
	= 0					ANGULAR TOL ± 1.0 °		DRWN BY		DATE	
	= 0					4 PLACES ±		SJKG		2016/06/23	
	= 0					3 PLACES ±		CHK'D BY		DATE	
	= 0					2 PLACES ± 0.13		DSUN15		2017/06/02	
	= 0					1 PLACE ± 0.25		APPR BY		DATE	
	= 0					0 PLACES ±		RCHEN08		2017/06/05	
	= 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION	
	= 0							D			
RELEASE STATUS		P1		RELEASE DATE		28.09.2017		09:26:03			
19	18	17	16	15	14	13	12	11	10	9	8
3	2	1									
DOCUMENT NUMBER		747500021		DOC TYPE		PSD		DOC PART		SHEET NUMBER	
								ASY		9 OF 12	

BOARD POSITION AND BEZEL DIMENSIONS
FOR BELLY TO BELLY MOUNTING



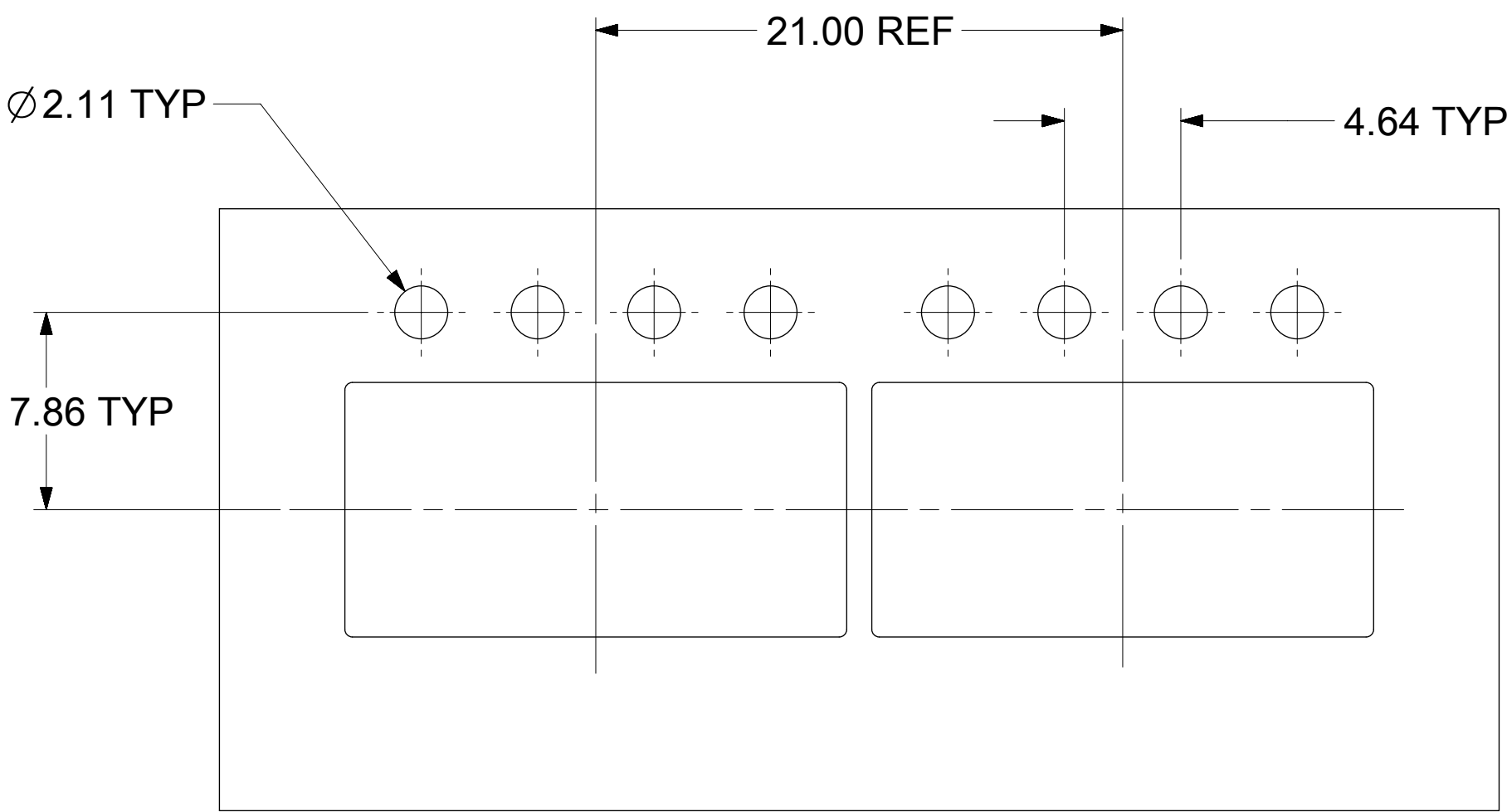
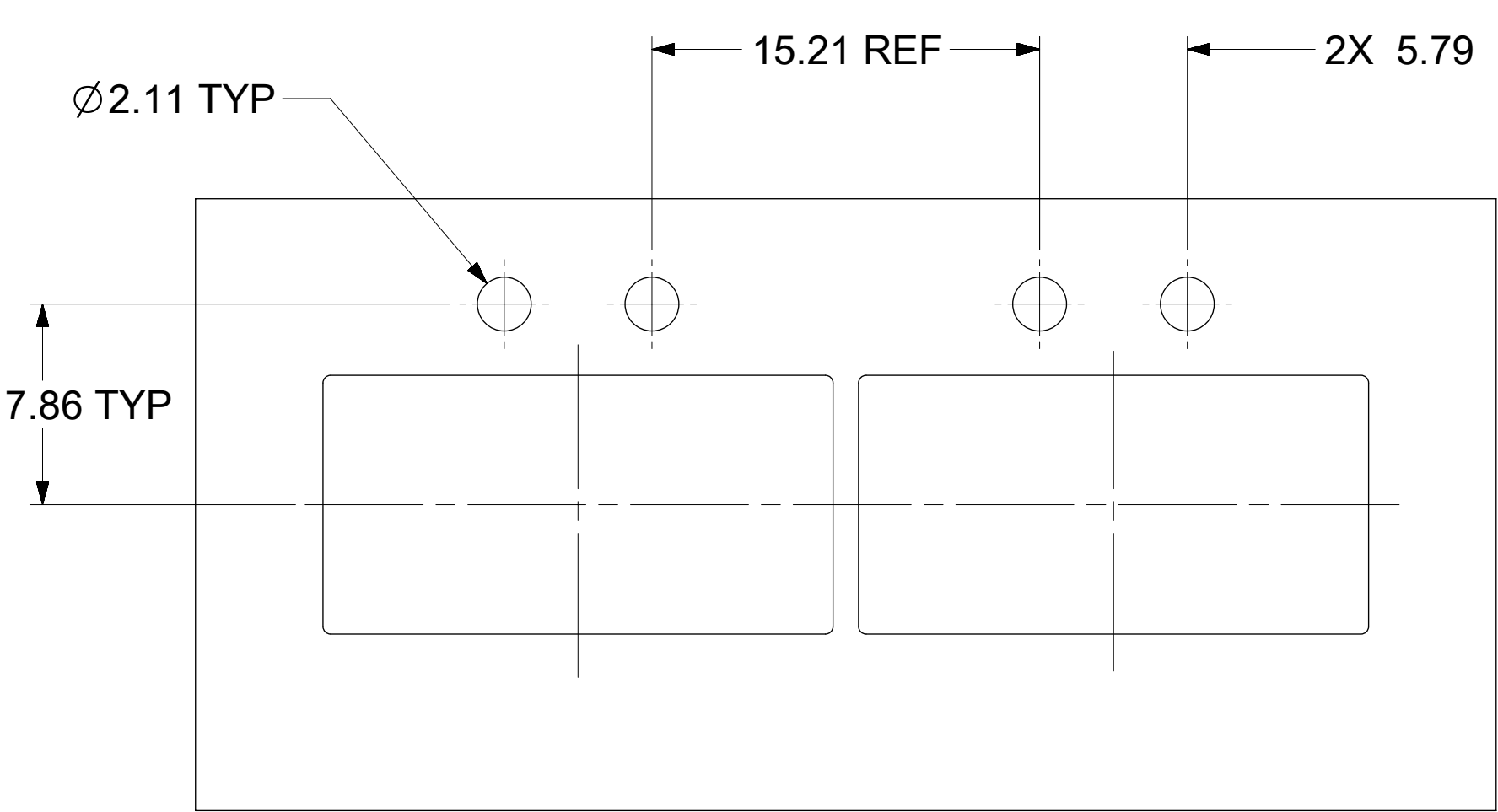
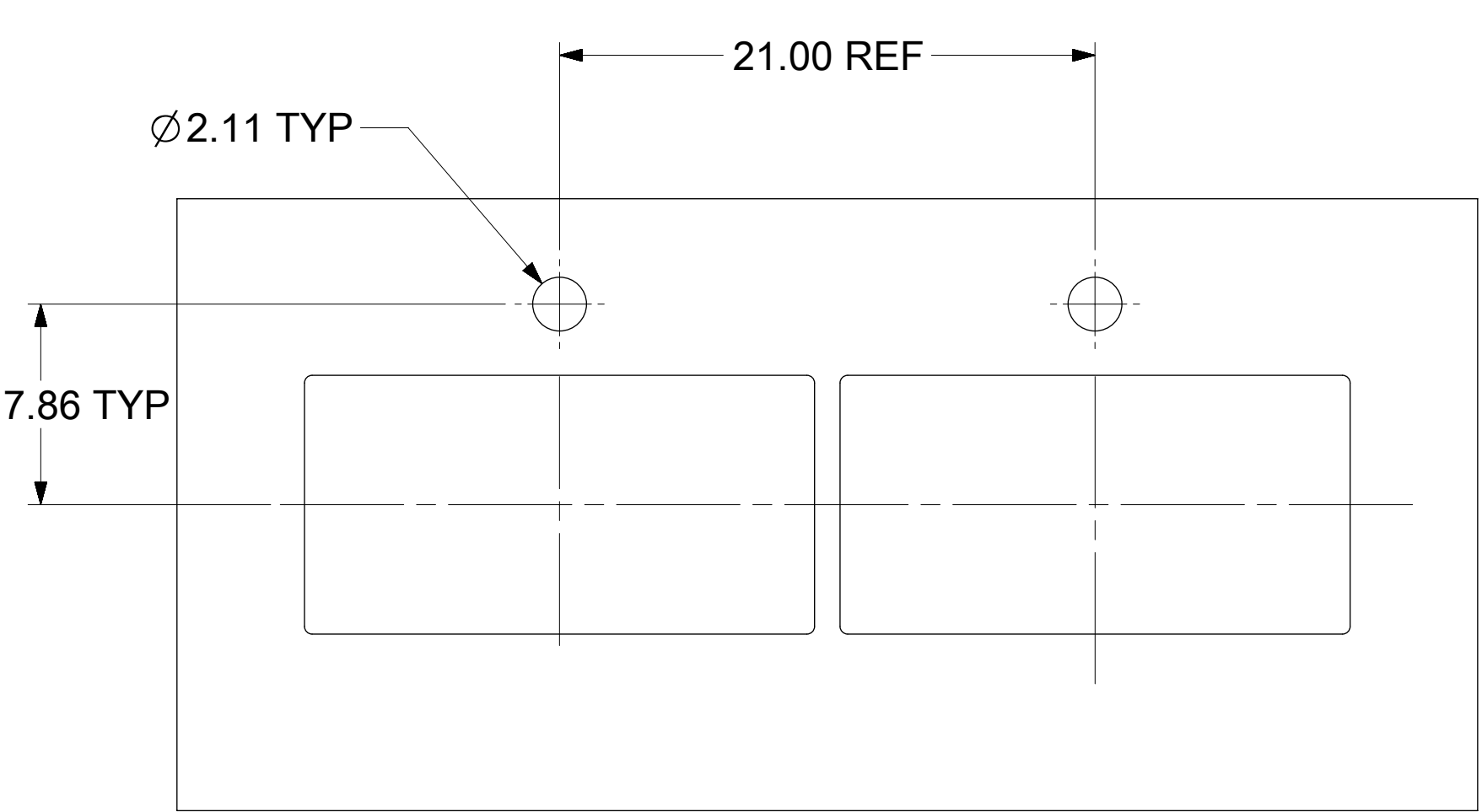
NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMING BEZEL OPENING, SIZE, AND LOCATION.
2. SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE.

BOARD POSITION AND BEZEL DIMENSIONS
FOR SINGLE SIDE MOUNTING

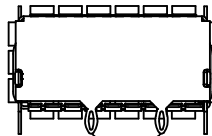


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
QUALITY SYMBOLS		SEE REVISION TABLE EC NO: 122627 DRWN: MKEMPEGOWDA CHKD: ELJU06 REV APPR: RCHEN08		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE	
	= 0			ANGULAR TOL ± 1.0 °		mm					
	= 0			4 PLACES ±		DRWN BY		DATE			
	= 0			3 PLACES ±		SJKG		2016/06/23			
	= 0			2 PLACES ± 0.13		CHK'D BY		DATE			
	= 0			1 PLACE ± 0.25		DSUN15		2017/06/02			
	= 0			0 PLACES ±		APPR BY		DATE			
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		RCHEN08		2017/06/05			
	= 0					DRAWING SIZE		THIRD ANGLE PROJECTION			
	= 0					D					
	= 0	N	REV	PRODUCT CUSTOMER DRAWING							
				SERIES	MATERIAL NUMBER			CUSTOMER			
				74750	SEE SHEET 5, 6 & 7			GENERAL MARKET			
				DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER		
				747500021			PSD	ASY	10 OF 12		

LIGHT PIPE CUTOUT DIMENSIONS

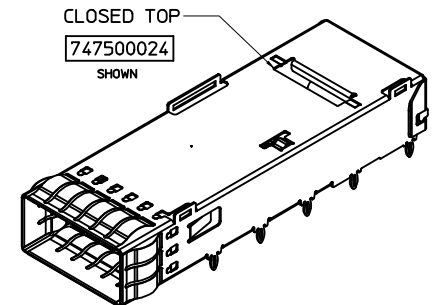
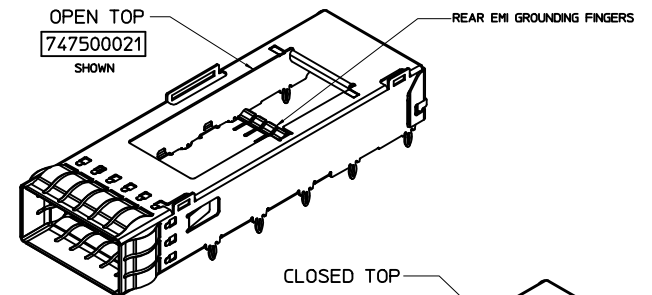


QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	= 0	SEE REVISION TABLE	EC NO: 122627 DRWN: MKEMPEGOWDA CHKD: ELJU06 REV/ APPR: RCHEN08	2017/09/27	2017/09/28	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
	= 0			2017/09/28	2017/09/28	ANGULAR TOL ± 1.0 °		mm					
	= 0							DRWN BY	DATE				
	= 0							SJKG	2016/06/23				
	= 0							CHK'D BY	DATE	QSFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGER TYPE			
	= 0							DSUN15	2017/06/02				
	= 0							APPR BY	DATE				
	= 0							RCHEN08	2017/06/05	PRODUCT CUSTOMER DRAWING			
	= 0							DRAWING SIZE	THIRD ANGLE PROJECTION				
	= 0							D					
	= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
	= 0		N							SERIES	MATERIAL NUMBER	CUSTOMER	
										74750	SEE SHEET 5, 6 & 7	GENERAL MARKET	
										DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
										747500021	PSD	ASY	11 OF 12

[illegible]

PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON
SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

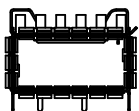
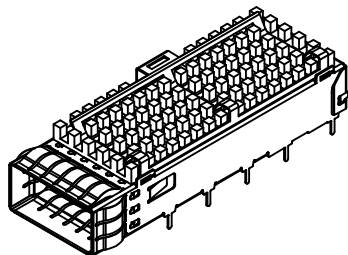
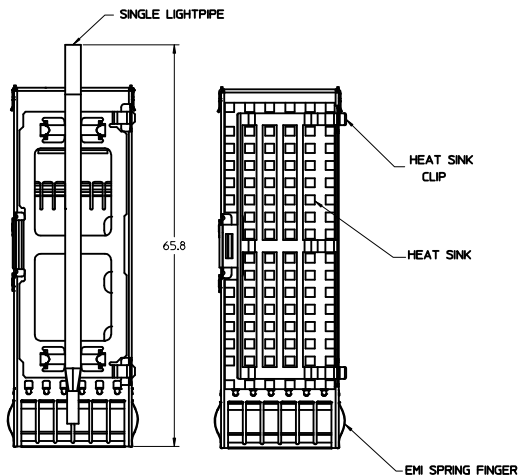
The floor plan shows a rectangular building with a central area labeled "**** WWYY". On the left side, there is a long row of lockers or storage units. On the right side, there is a long row of lockers or storage units. The building has a total length of 29.88 and a width of 15.4. A callout line points from the text "MOLEX INTERNAL USE" to the central area.



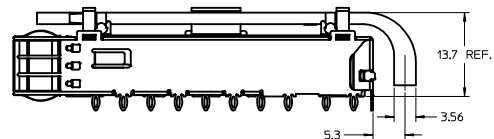
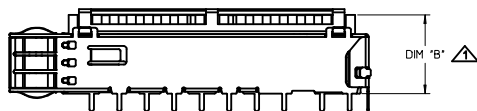
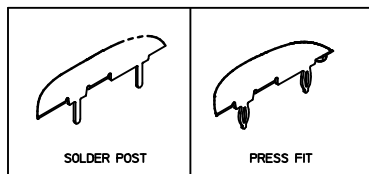
1. PRESS FIT LEGS 2.28 / 3.05 mm LONG
2. SOLDER POST LEGS 1.90 / 2.90 mm LONG
3. SINGLE SIDED BOARD THICKNESS
NOMINAL: 1.60
MINIMUM: 1.44
- BELLY TO BELLY BOARD THICKNESS
NOMINAL: 2.30
MINIMUM: 2.07
4. MATERIAL: COPPER ALLOY (PLATED PRIOR TO CUTTING AND FORMING)
CAGE: 0.25 mm THICK COPPER ALLOY, NICKEL PLATED OR TIN
SPRING FINGER: 0.08 mm THICK COPPER ALLOY, NICKEL PLATED
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V0 RATED)
HEATSINKS: ANNOXIDIZED ALUMINUM
5. REFERENCE DOCUMENTS: PRODUCT SPECIFICATION: QSFP MSA
6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST
7. QSFP+ ASSEMBLES ALSO AVAILABLE IN 1X2 (74767 SERIES),
1X3 (74768 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES).
8. PACKAGED IN TRAY.
9. NO RoHS EXEMPTIONS.

SEE REVISION SHEET EC NO. : GP2015-1999 DRAWING: FERNIN 2014/10/13 CHK:GABRIELLA 2014/10/13 APPR: 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES + - - -</td><td>+ - - -</td></tr><tr><td>3 PLACES + - - -</td><td>+ - - -</td></tr><tr><td>2 PLACES +0.13</td><td>+ - - -</td></tr><tr><td>1 PLACE +0.25</td><td>+ - - -</td></tr><tr><td>0 PLACE + - - -</td><td>+ - - -</td></tr></table>	mm	INCH	4 PLACES + - - -	+ - - -	3 PLACES + - - -	+ - - -	2 PLACES +0.13	+ - - -	1 PLACE +0.25	+ - - -	0 PLACE + - - -	+ - - -	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	mm	INCH																
	4 PLACES + - - -	+ - - -																
	3 PLACES + - - -	+ - - -																
	2 PLACES +0.13	+ - - -																
1 PLACE +0.25	+ - - -																	
0 PLACE + - - -	+ - - -																	
		DRAWN BY DATE CHIRSCY 2007/07/23 CHECKED BY DATE BRUSSELL 2007/07/23 APPROVED BY DATE RMAHMOOD 2010/11/01	TITLE QSFP + CAGE ASSEMBLY WITH SPRING FINGERS															
			molex															
		ANGULAR ± 1°	MATERIAL NO.	DOCUMENT NO.	SHEET NO. 1 OF 8													
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 3		SD-74750-0021													
REV	DESCRIPTION	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																

CAGE ASSEMBLY OPTIONS



LEG TYPE OPTIONS



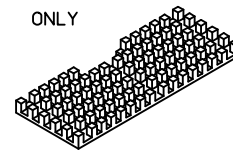
HEATSINK HEIGHT OPTIONS

OVERALL HEATSINK HEIGHT	DIM B	TOL
PCI	13.7	+0.25
SAN	16.0	-0.73
NET	23.0	

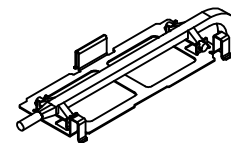
HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

HEATSHINK AND LIGHT PIPE OPTIONS

HEAT SINK ONLY

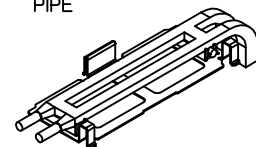


SINGLE LIGHT PIPE



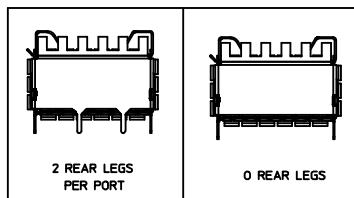
MOLEX P/N: 747500030

DUAL LIGHT PIPE



MOLEX P/N: 747500031

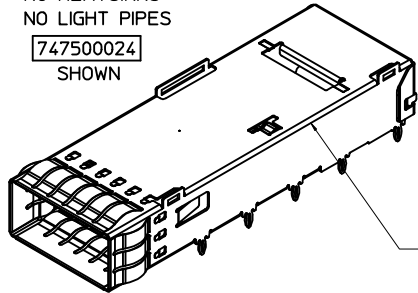
REAR LEG OPTIONS



SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN: ERWIN CHYKOGARDELLA APPROVED: 2014/10/17 REV DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED): DIM INCH 4 PLACES ± .005 3 PLACES ± .004 2 PLACES ± .003 1 PLACE ± .002 0 PLACE ± .001		DIMENSION STYLE MM ONLY DRAWN BY: CHIRSCHY CHECKED BY: BRUSSELL APPROVED BY: RMAHMOOD DATE: 2007/07/23 DATE: 2007/07/23 DATE: 2010/11/01		SCALE 2.5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION		TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS molex MATERIAL NO. SD-74750-0021 DOCUMENT NO.		SHEET NO. 2 OF 8	
	ANGLE ± 1° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

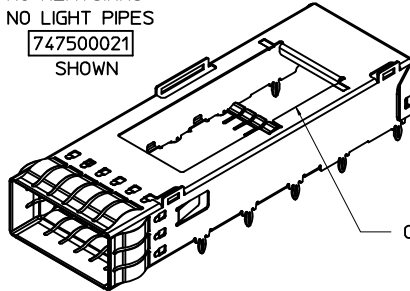
PART NUMBER SELECTION

NO HEATSINKS
NO LIGHT PIPES
747500024
SHOWN



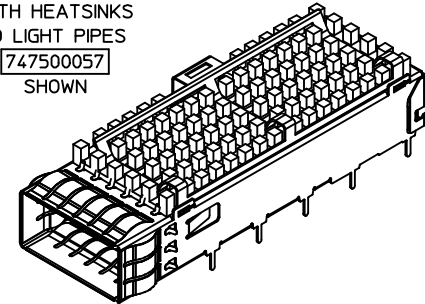
CLOSED TOP

NO HEATSINKS
NO LIGHT PIPES
747500021
SHOWN



OPEN TOP

WITH HEATSINKS
NO LIGHT PIPES
747500057
SHOWN

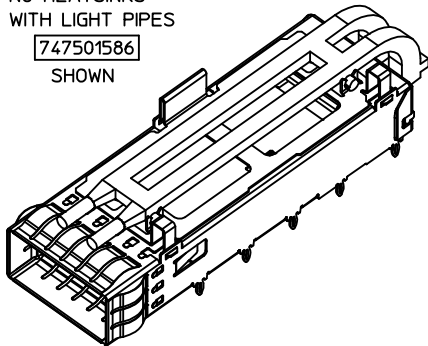


MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST			
747500024	---	2	2.28	NICKEL
---	747500051	2	1.9	NICKEL
---	747500053	2	1.9	MATTE TIN
---	747500056	2	1.9	BRIGHT TIN

MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST			
747500012	---	2	3.05	NICKEL
747500021	---	2	2.28	NICKEL
747500023	---	0	2.28	NICKEL
---	747500058	2	2.90	NICKEL
---	747500062 *	2	2.90	NICKEL

MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	DIM B	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST				
---	747500057	2	2.9	13.7	NICKEL
747500040	---	2	2.28	16.0	NICKEL
747500042	---	0	2.28	16.0	NICKEL
747500044	---	2	2.28	13.7	NICKEL
747500046	---	2	2.28	23.0	NICKEL

NO HEATSINKS
WITH LIGHT PIPES
747501586
SHOWN



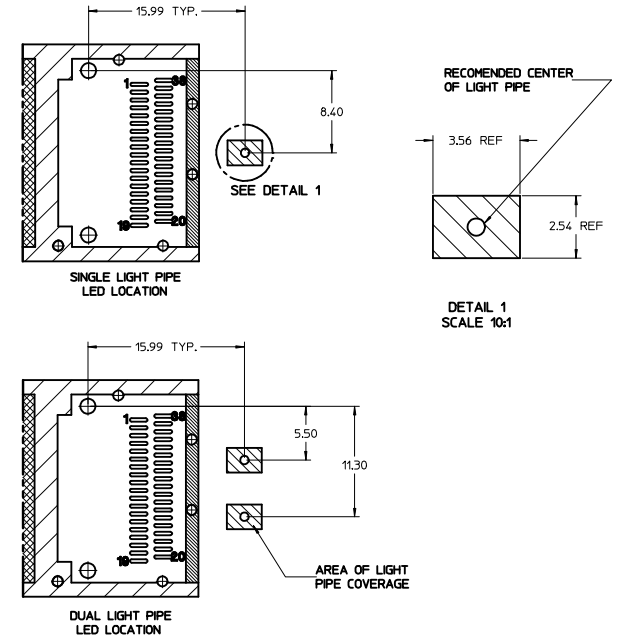
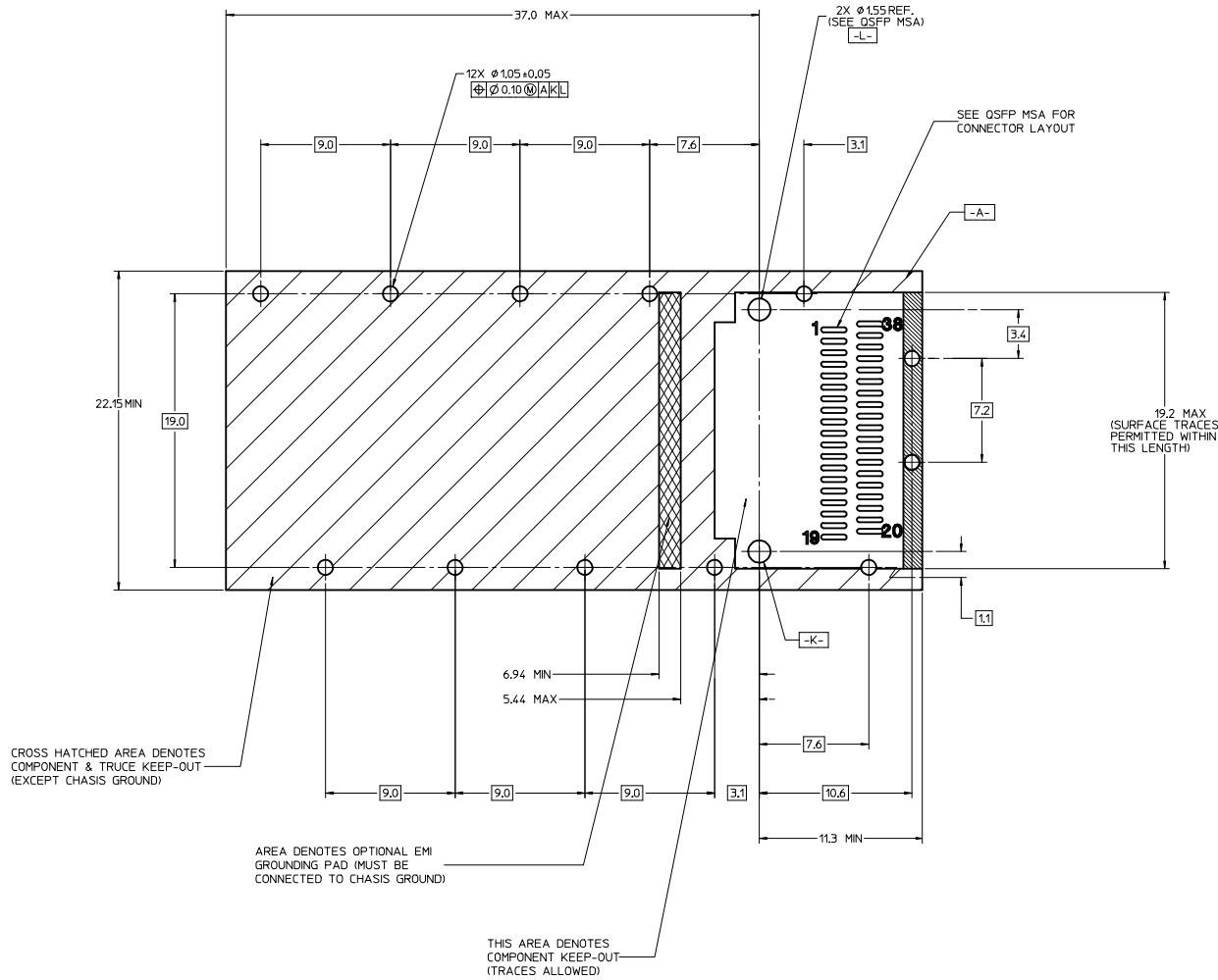
MOLEX ASSEMBLY P/N	MOLEX P/N		LIGHT PIPE ASSEMBLY P/N	#OF REAR LEGS PER PORT	DIM A	PLATING
	LEG TYPE PRESS FIT	LEG TYPE SOLDER POST				
747501586	747500024	---	747500031	2	2.28	NICKEL

* HEATSINK/LIGHT PIPE CLIP FEATURE REMOVED.

SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN: ERWIN 2014/10/13 CHECKED: GARDIELLA 2014/10/13 APPROVED: 2014/10/17 REV DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS molex MATERIAL NO. SEE SHEET 3 DOCUMENT NO. SD-74750-0021 SHEET NO. 3 OF 8	
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE					
	▽=0	4 PLACES ±	±	CHIRSCY	2007/07/23	DATE					
	▽=0	3 PLACES ±	±	CHECKED BY	DATE	DATE					
	▽=0	2 PLACES ±	±	BRUSSELL	2007/07/23	DATE					
	▽=0	1 PLACE ±	±	APPROVED BY	DATE	DATE					
	▽=0	0 PLACE ±	±	RNAHMOOD	2010/11/01	DATE					
	ANGULAR ± 1°			MATERIAL NO.		DOCUMENT NO.		DATE			
	DRAFT WHERE APPLICABLE			SEE SHEET 3		SD-74750-0021		3 OF 8			
	MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

PCB LAYOUT FOR SINGLE SIDED APPLICATIONS

FOR CAGE ASSEMBLIES WITH LIGHT PIPES

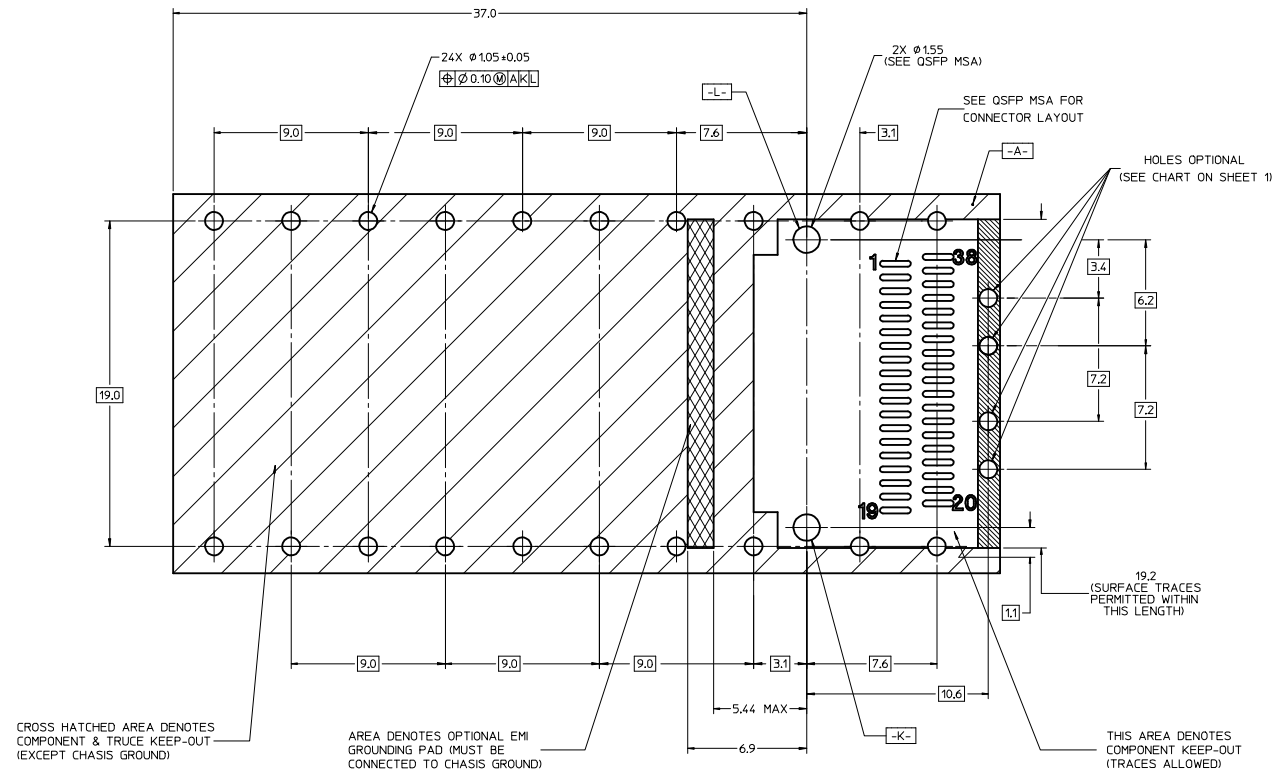


NOTES:

- 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

SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN BY: LERMIN CHYKOSGARDIA APPROVED: 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	mm INCH	DRAWN BY CHIRSCHY DATE 2007/07/23	CHECKED BY BRUSSELL DATE 2007/07/23	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS	
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET 3	DATE 2010/11/01	APPROVED BY MAHMOOD	DOCUMENT NO. SD-74750-0021	SHEET NO. 4 OF 8
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

PCB LAYOUT FOR BELLY-TO-BELLY APPLICATIONS



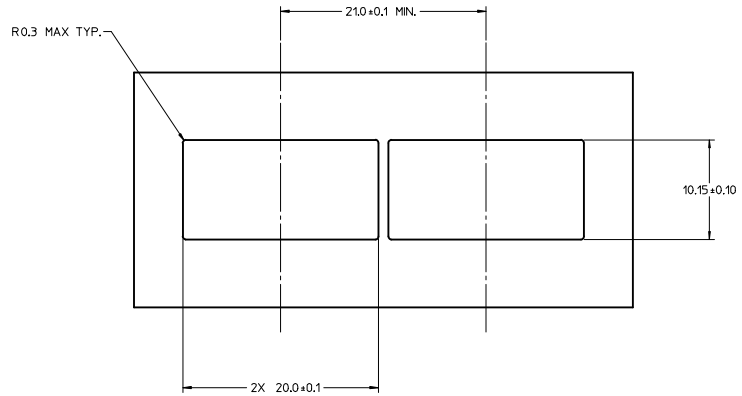
NOTE:
FOR RECOMENDED CENTER
OF LIGHT PIPES,
SEE SHEET 4

NOTES:

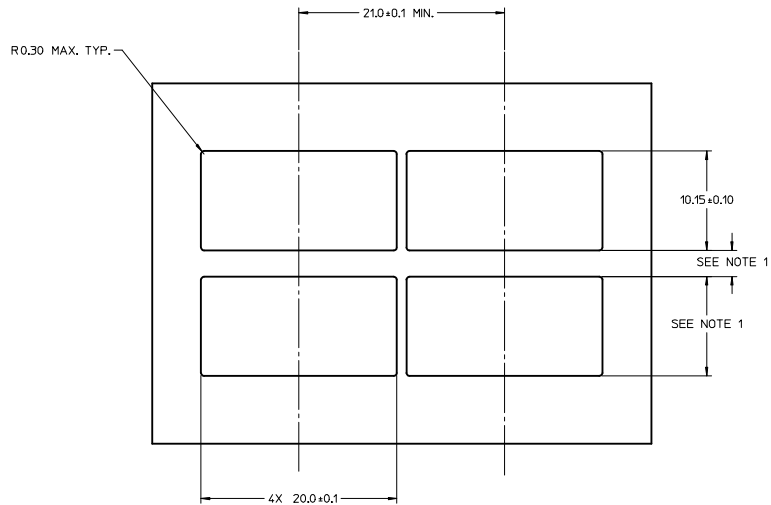
1. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA.
2. FINISHED HOLE SIZE (AFTER PLATING).
3. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA.
4. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA.

SEE REVISION SHEET EC NO: CP22015-6995 DRAWN: ERWIN 2014/07/03 CHECKED: GABRIELLA 2014/07/03 APPROVED: 2014/07/07	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
					MM ONLY		1:1	METRIC		
							TITLE			QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS
REV			mm INCH		DRAWN BY DATE				SHEET NO.	
		▽=0	4 PLACES	±---	±---	CHIRSCHY	2007/07/23			molex
		▽=0	3 PLACES	±---	±---	CHECKED BY DATE				
		▽=0	2 PLACES	±0.13	±---	BRUSSELL	2007/07/23			
		▽=0	1 PLACE	±0.25	±---	APPROVED BY DATE				
			0 PLACE	±---	±---	RAHMOOD	2010/11/01			
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-74750-0021		5 OF 8	
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



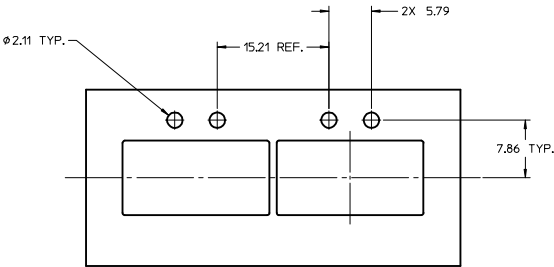
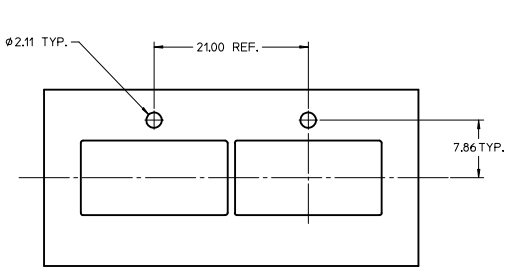
BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY-TO-BELLY MOUNTING



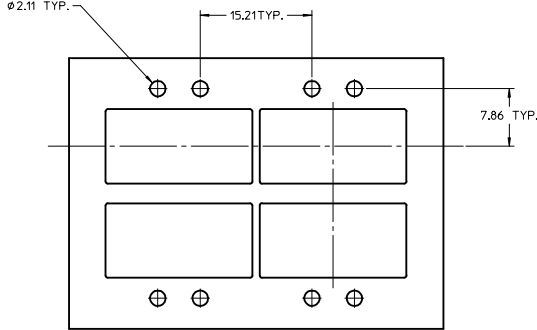
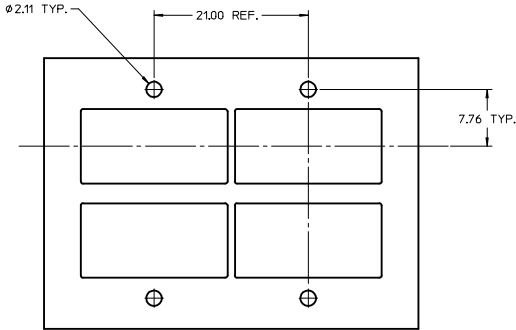
NOTE:
1. SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE.
2. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN: LERMIN 2014/10/13 CHECKED: CHYK-GARDELLA 2014/10/13 APPROVED: 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS  SD-74750-0021
					DRAWN BY CHIRSCHY	DATE 2007/07/23	TITLE			
					CHECKED BY BRUSSELL	DATE 2007/07/23				
					APPROVED BY RMAHMOOD	DATE 2010/11/01				
					MATERIAL NO.		DOCUMENT NO.			
					SEE SHEET 3		SD-74750-0021			
					SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
					ANGULAR ± 1 °					

BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



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



SEE REVISION SHEET EC NO. C652015-1999 DRAWN/ERWIN 2014/10/13 CHKD/GARDELLA 2014/10/13 APPROVED 2014/10/17	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	▽=0							
	▽=0							
	▽=0							
	DESCRIPTION	4 PLACES ±.00 ±.00 ±.00 ±.00 3 PLACES ±.00 ±.00 ±.00 ±.00 2 PLACES ±0.13 ±.00 ±.00 ±.00 1 PLACE ±0.25 ±.00 ±.00 ±.00 0 PLACE ±.00 ±.00 ±.00 ±.00		DRAWN BY DATE CHIRSHCY 2007/07/23 CHECKED BY DATE BRUSSELL 2007/07/23 APPROVED BY DATE RAHAMMOOD 2010/11/01		TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS		
REV		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 3		DOCUMENT NO. SD-74750-0021		SHEET NO. 7 OF 8
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

