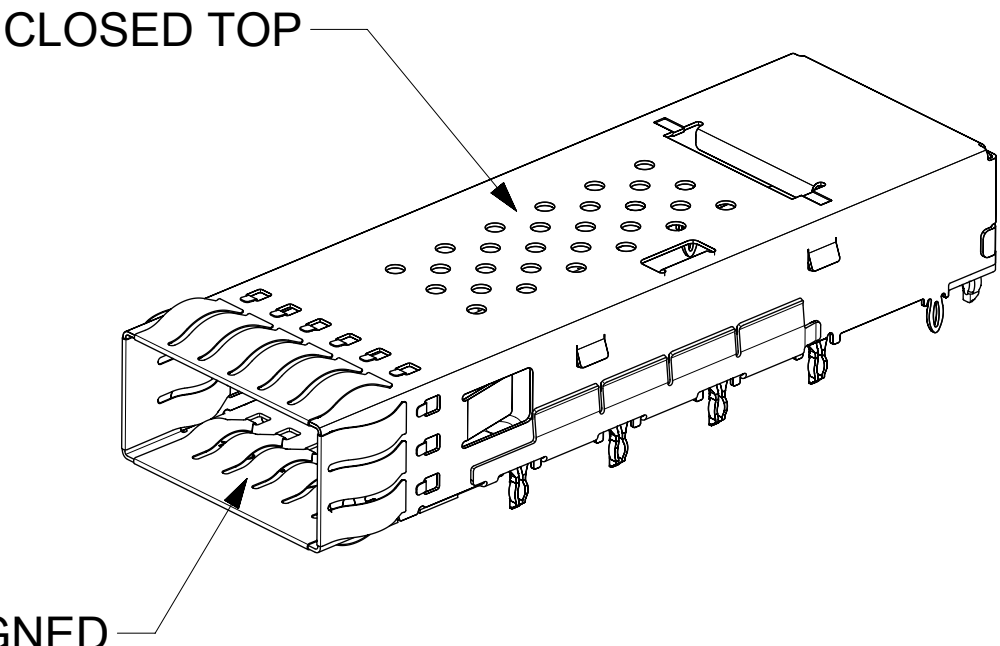
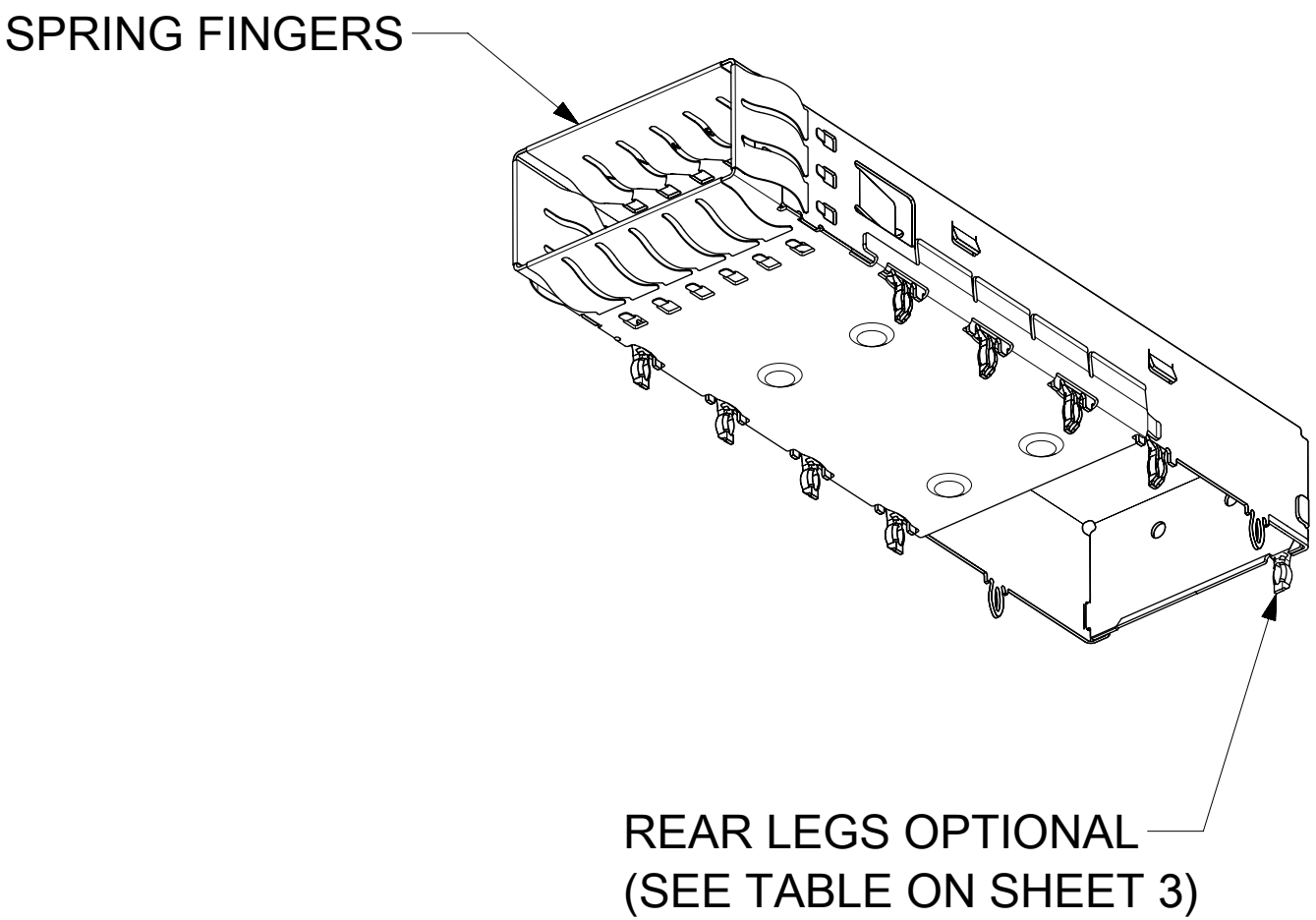
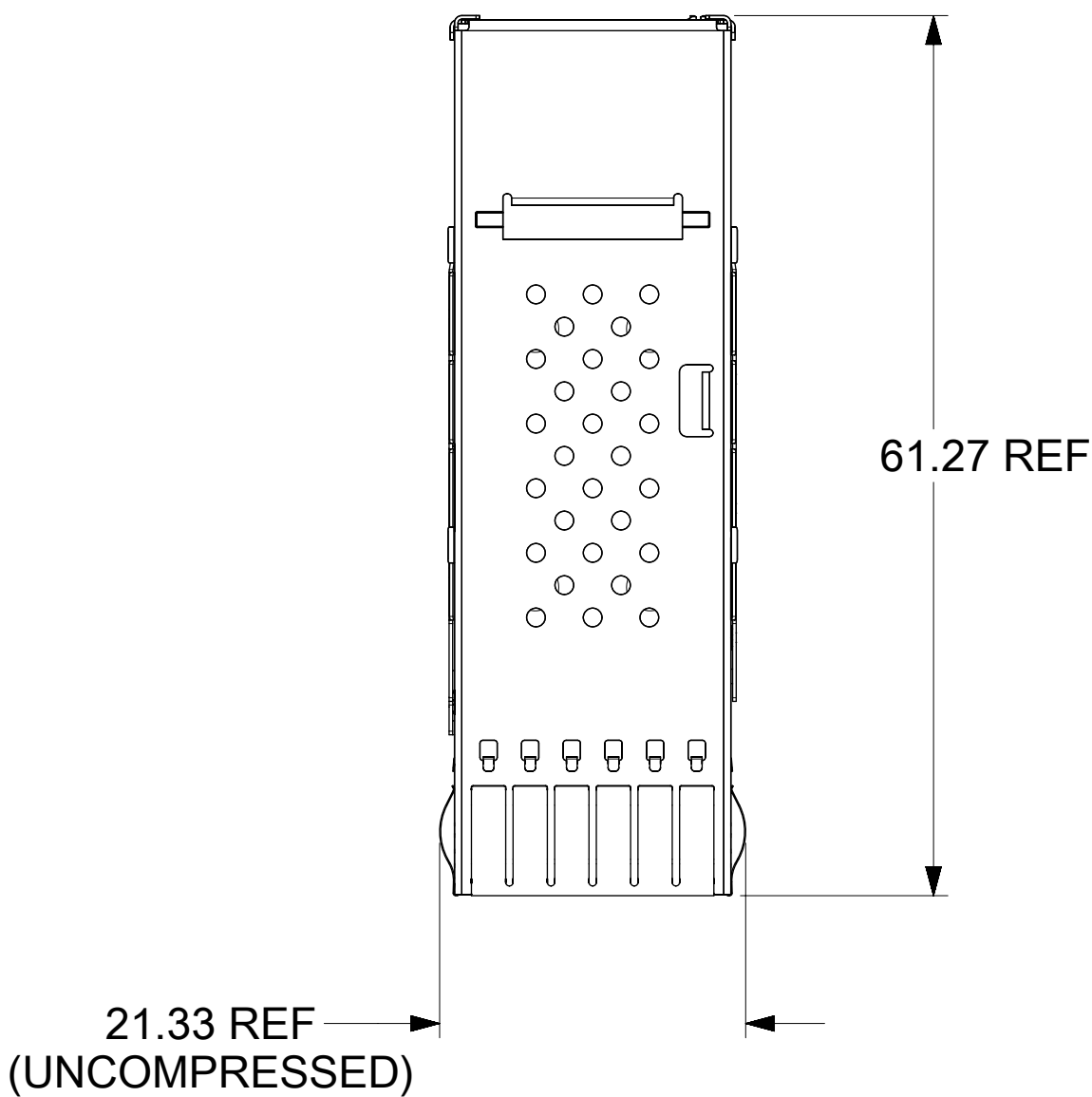


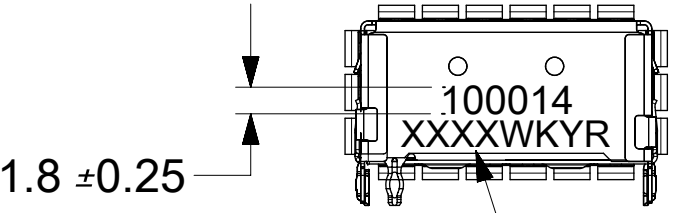
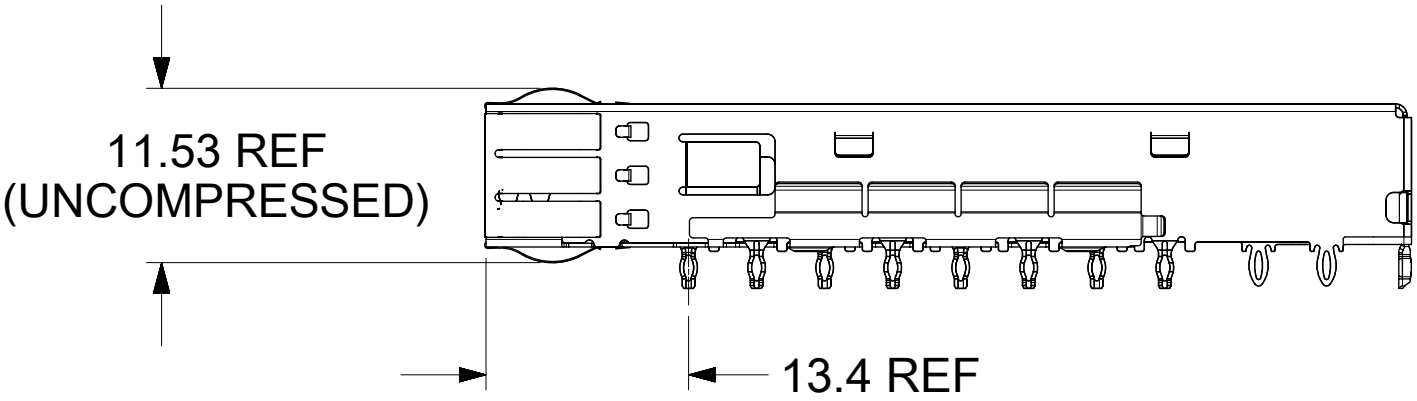
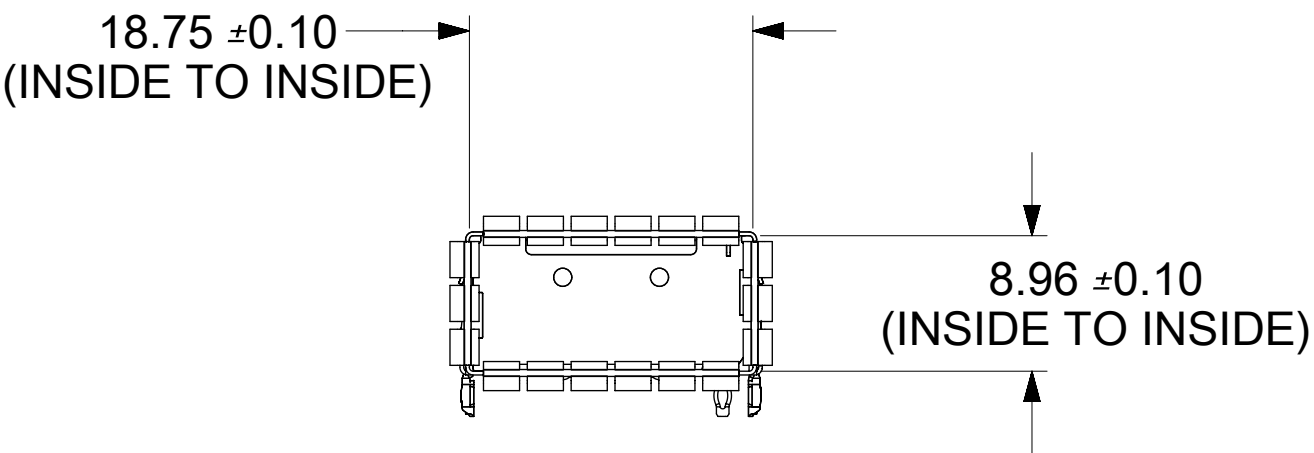
BASE CAGE DETAILS

1000141242

SHOWN

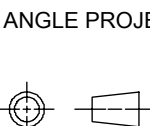


DIMENSIONS OF EACH INNER CAGE DESIGNED
TO FUNCTION WITH QUAD SMALL
FORM-FACTOR (zQSFP+) TRANSCEIVER



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

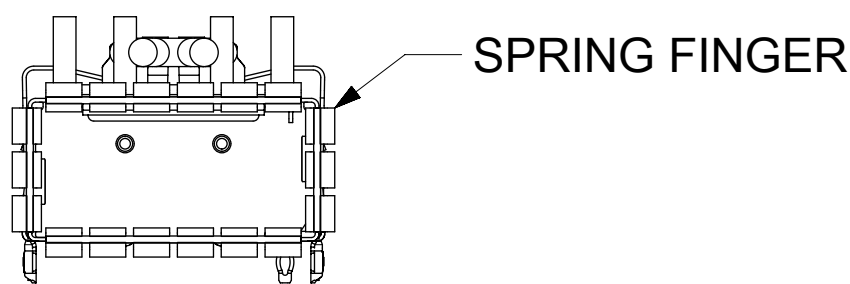
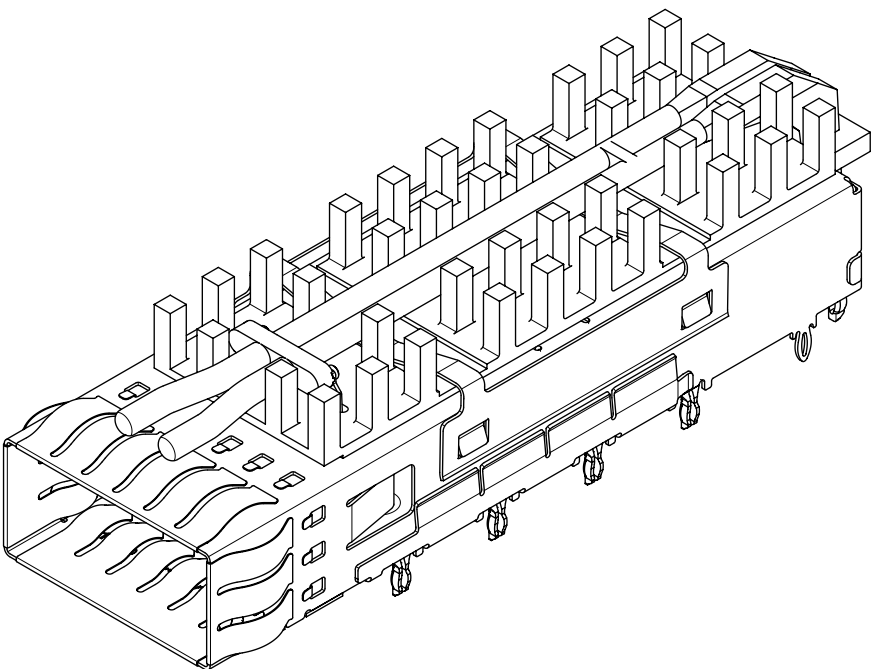
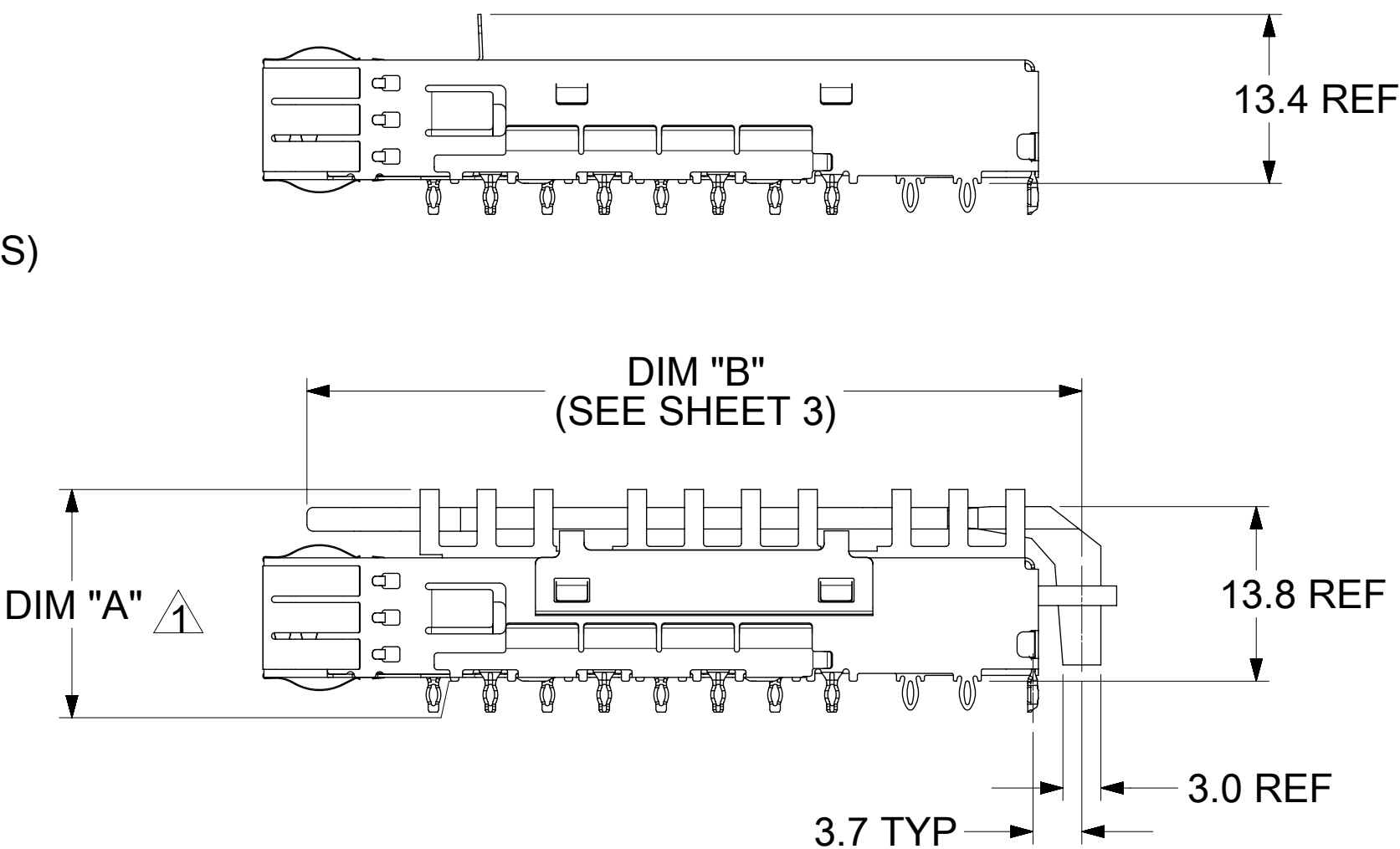
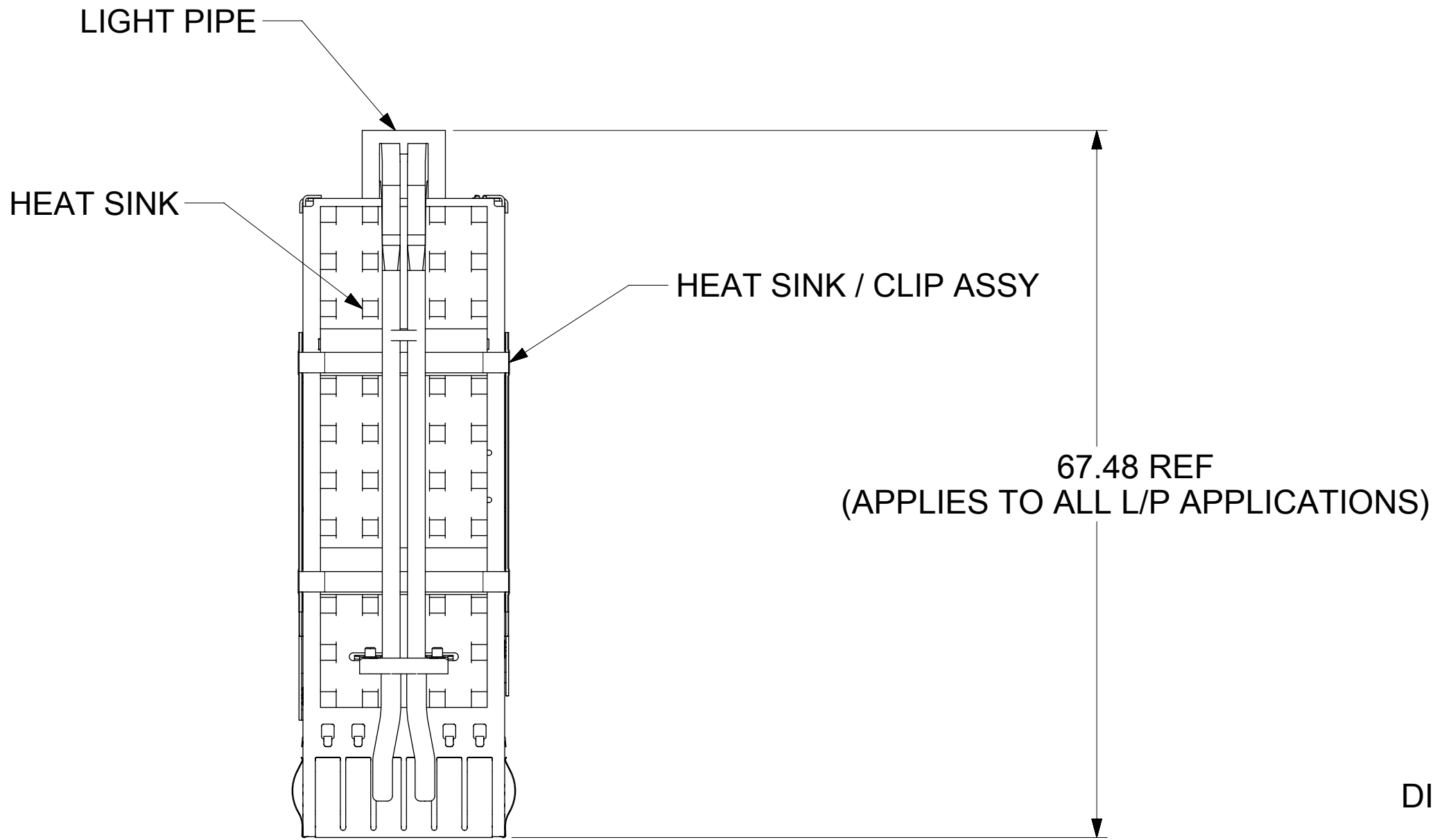
- NOTES:
- MATERIAL: CAGE: STAINLESS STEEL
SPRING FINGERS: BERYLLIUM COPPER; NICKEL PLATED
HEAT SINKS: NICKEL PLATED ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
 - DIMENSIONS MARKED  ARE CRITICAL TO FUNCTION OF THE PART AND MUST BE INSPECTED
 - DRAWING APPLIES TO ALL P/N'S SHOWN ON PAGE 3
 - DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED USING APPROPRIATE GO - NO GO GAGE
 - DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS ARE CORRECT, USE SHEETS 3, 4 AND 5
 - PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC WI-HP-7-2774 (CLASS B UNLESS OTHERWISE SPECIFIED)
 - PRESS-FIT LEGS 2.44 [0.096] LONG -
1.57 [0.062] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
3.00 [0.118] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - NO RoHS EXEMPTIONS

WEEK/YEAR DATE CODE TABLE														
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR													
YP	16, 17, 18 ETC.. (EXAMPLE: YEAR 2016= 16)													
QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	SEE REVISION TABLE	2016/03/29 2016/08/17 2016/08/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex® ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS						
				MM		2:1								
				DRWN BY		DATE								
				PGSHETTY		2015/10/21								
				CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING						
				SYANG16		2015/11/09								
				APPR BY		DATE		SERIES			MATERIAL NUMBER		CUSTOMER	
				RCHEN08		2015/11/16								
				DRAWING SIZE		THIRD ANGLE PROJECTION		100014		SEE DRAWING		GENERAL MARKET		
				D										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER				
				1000141200		PSD		ASY		1 OF 7				

CAGE ASSEMBLY OPTIONS

1000141544

SHOWN



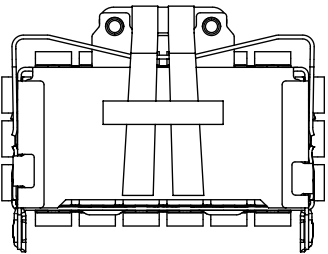
HEATSINK HEIGHT OPTIONS

OVERALL HEAT SINK HEIGHT	DIM "A"
PCI	13.7 REF
SAN	16.0 REF
NET	23.0 REF

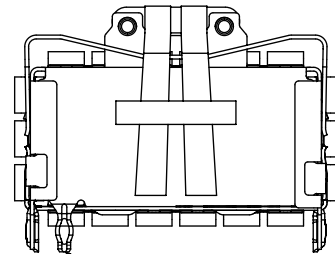


HEIGHT OF HEAT SINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

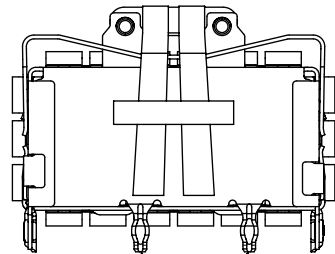
REAR LEG OPTIONS



0 REAR LEGS



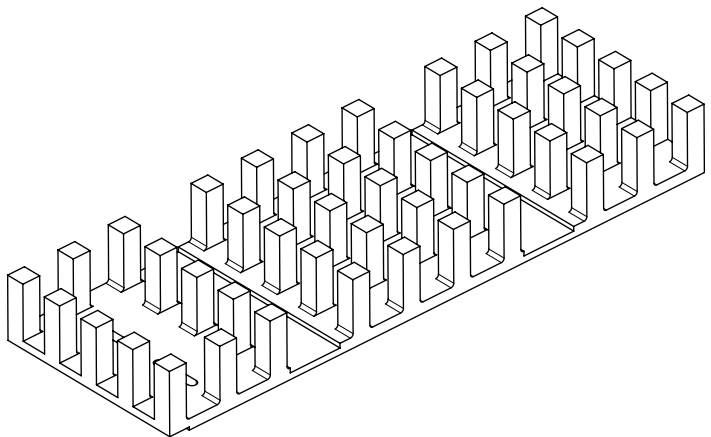
1 REAR LEGS



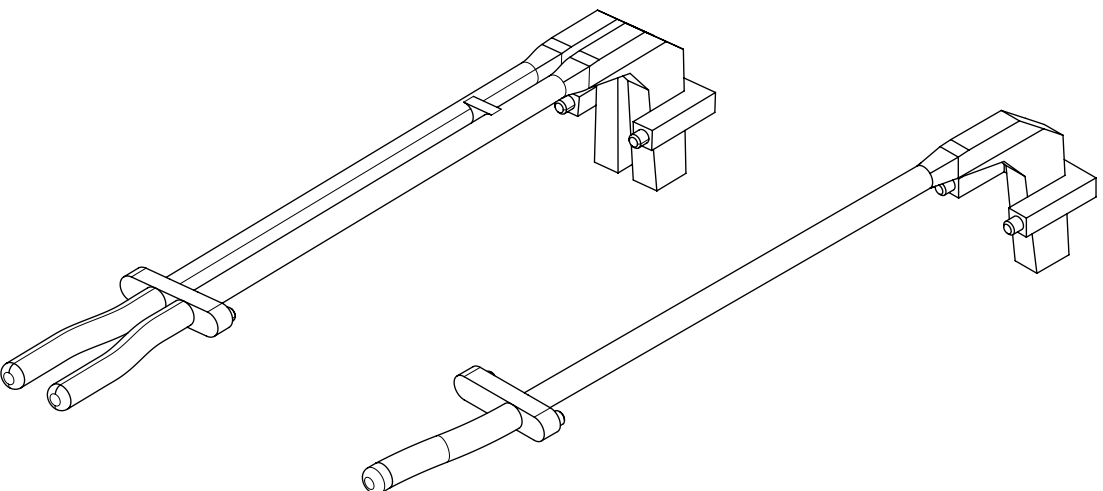
2 REAR LEGS

HEATSINK AND LIGHT PIPE COMBINATIONS

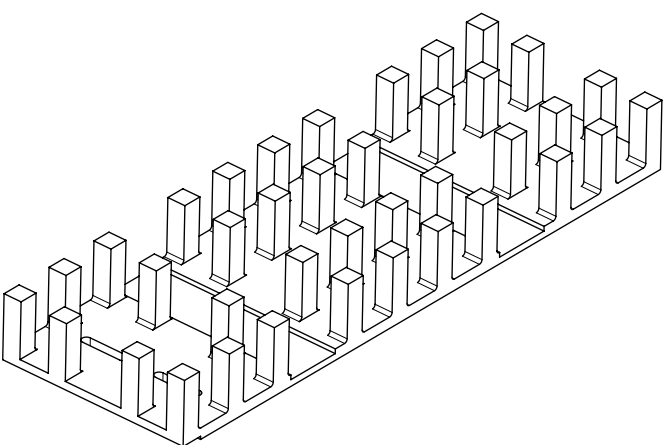
HEAT SINK
USED
WITHOUT
LIGHTPIPE



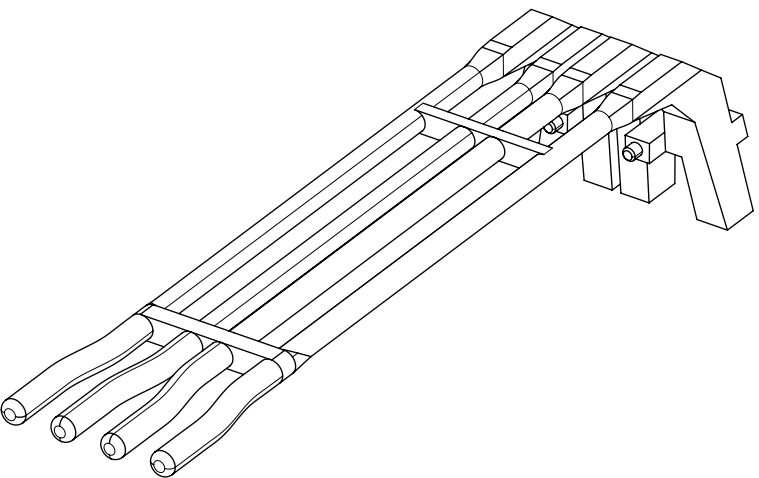
SINGLE / DUAL LIGHT PIPE



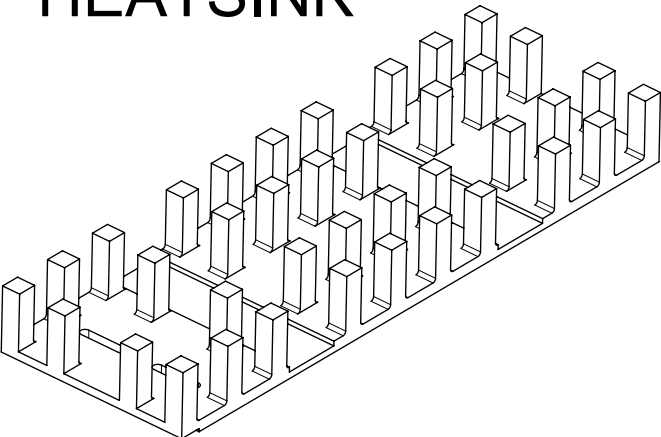
HEATSINK



QUAD LIGHT PIPE



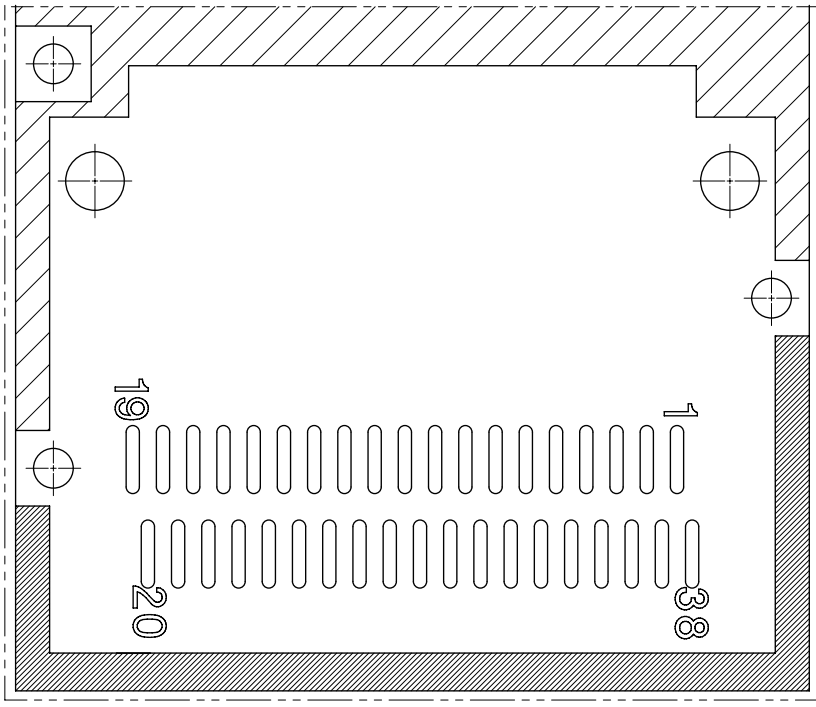
HEATSINK



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: 107579 DRWN: ACHENG03 CHKD: SYANG16 REV APPR: RCHEN08	2016/03/29 2016/08/17 2016/08/17	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE											
	=	0						MM		2:1											
	=	0				ANGULAR TOL ± 2.0 °		DRWN BY		DATE		ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS									
	=	0						PGSHETTY		2015/10/21											
	=	0				4 PLACES		±		CHK'D BY									DATE		
	=	0				3 PLACES		±		SYANG16									2015/11/09		
	=	0				2 PLACES		± 0.13		APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
	=	0				1 PLACE		± 0.25		RCHEN08		2015/11/16									
	=	0				0 PLACES		±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER		
	=	0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					D				100014		SEE DRAWING			GENERAL MARKET	
	=	0	DOCUMENT NUMBER		1000141200										DOC TYPE		PSD		DOC PART		ASY

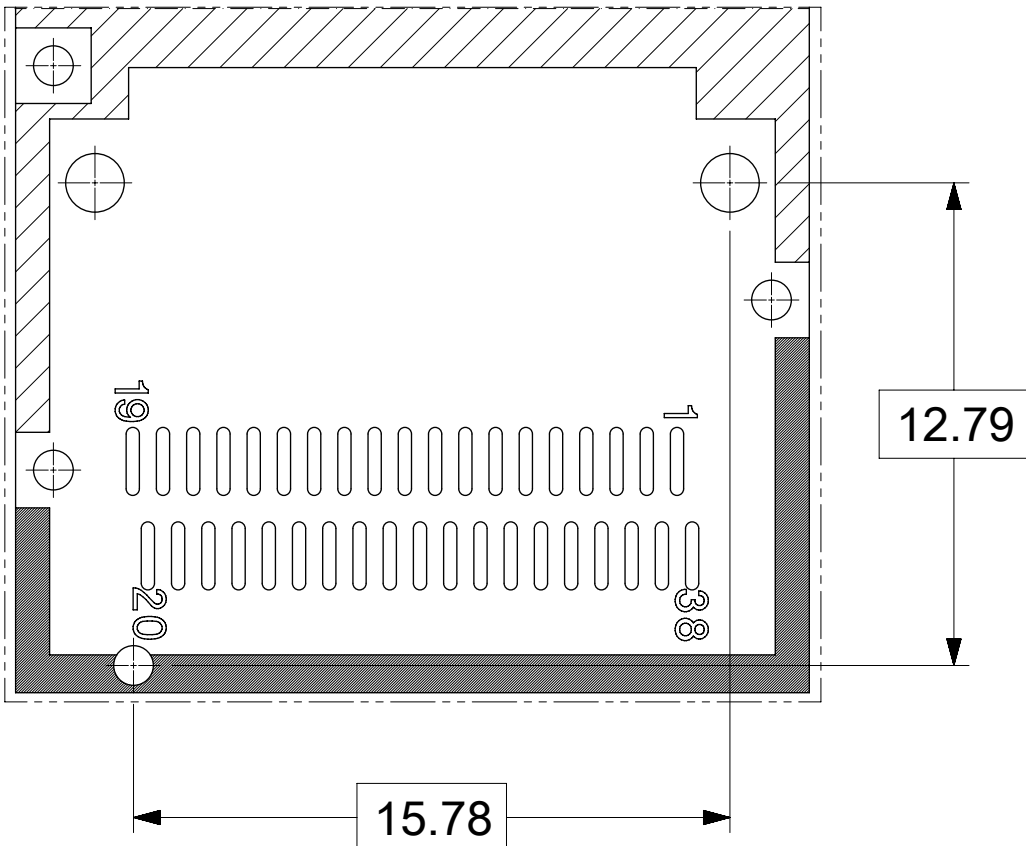
PCB LAYOUT FOR SINGLE SIDED MOUNTING

NO REAR LEGS



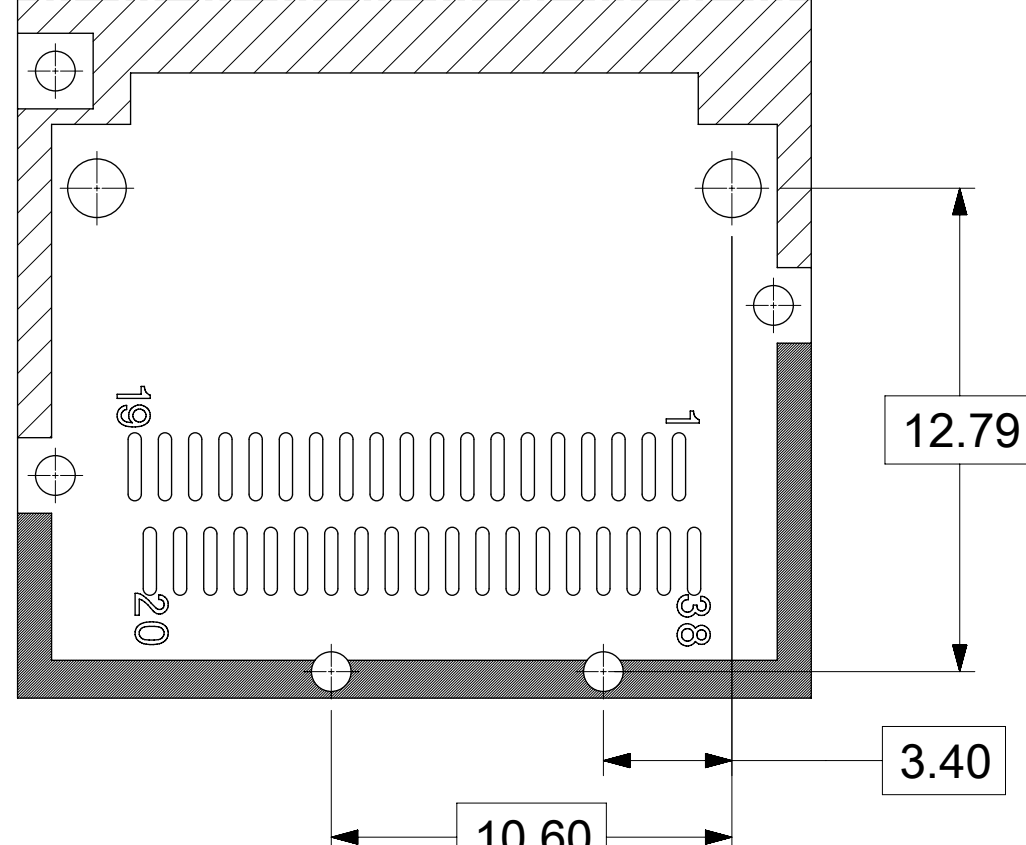
PARTIAL 1
SCALE 5:1

1 REAR LEG

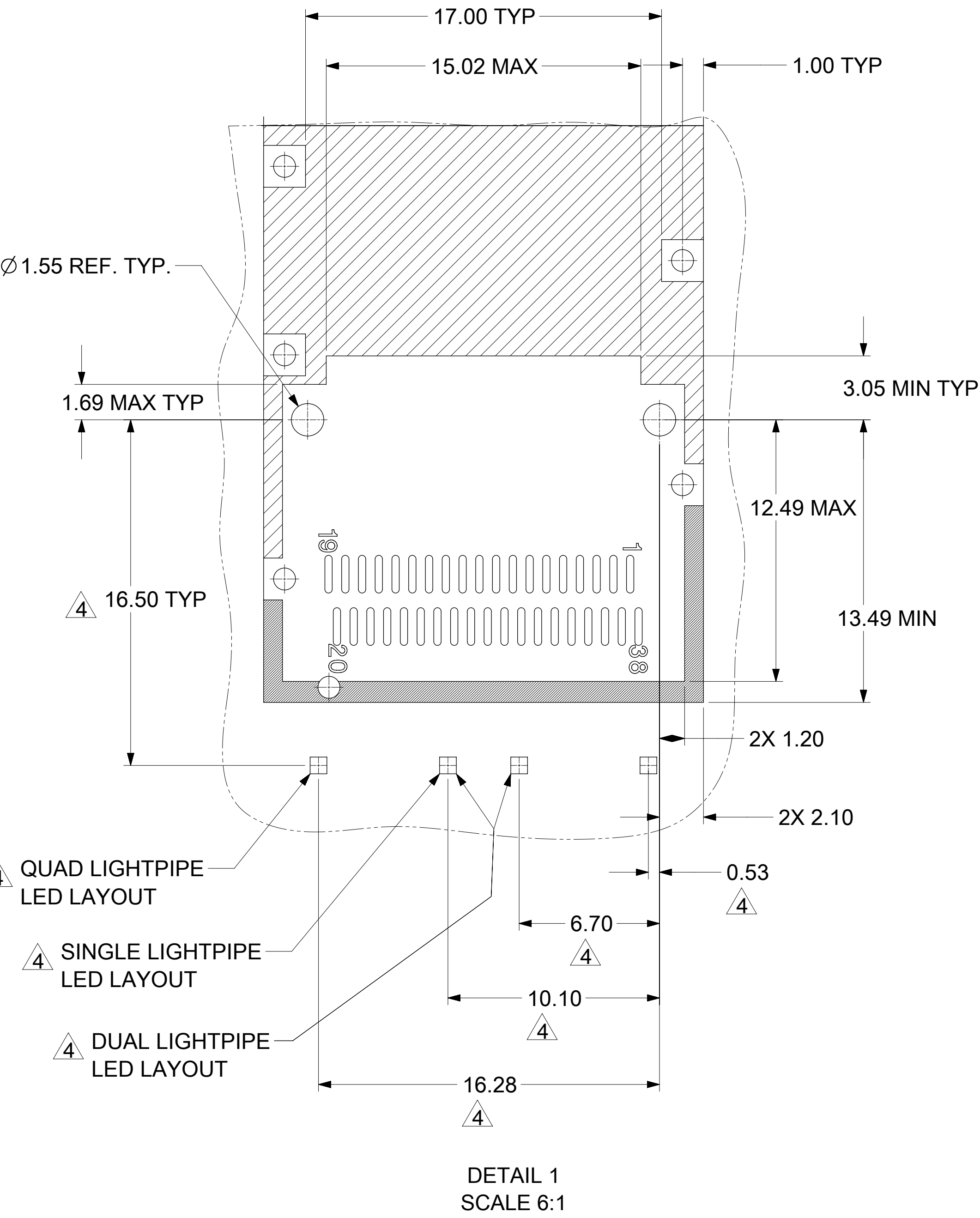


PARTIAL 2
SCALE 5:1

2 REAR LEGS



PARTIAL 3
SCALE 5:1



DETAIL 1
SCALE 6:1

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

Ø 1.05 ±0.05 TYP
Ø 0.10 (M) A K L

AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

DATUM -A- IS THE TOP
SURFACE OF HOST BOARD

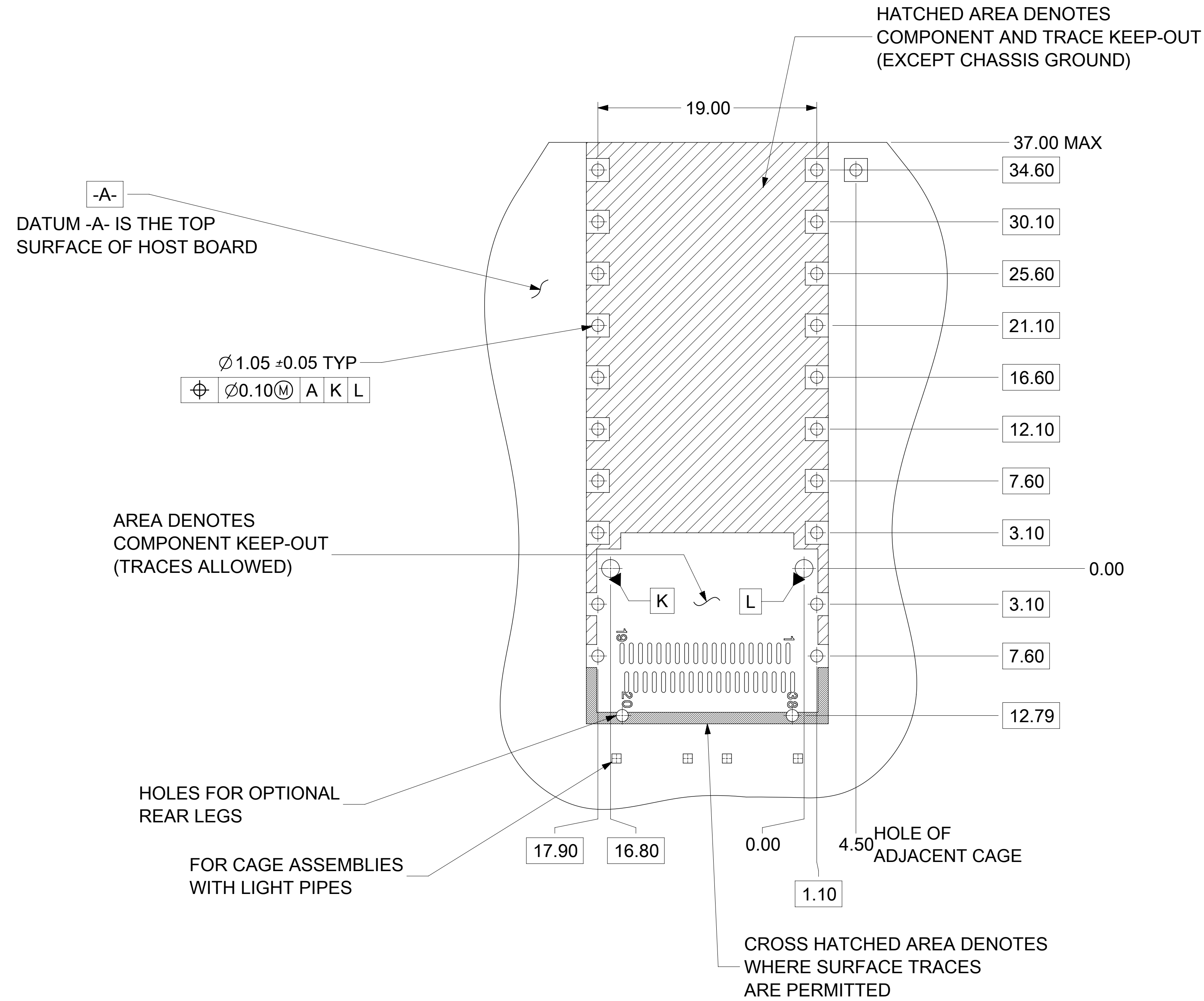
CROSS HATCHED AREA DENOTES
WHERE SURFACE TRACES
ARE PERMITTED

SEE DETAIL 1

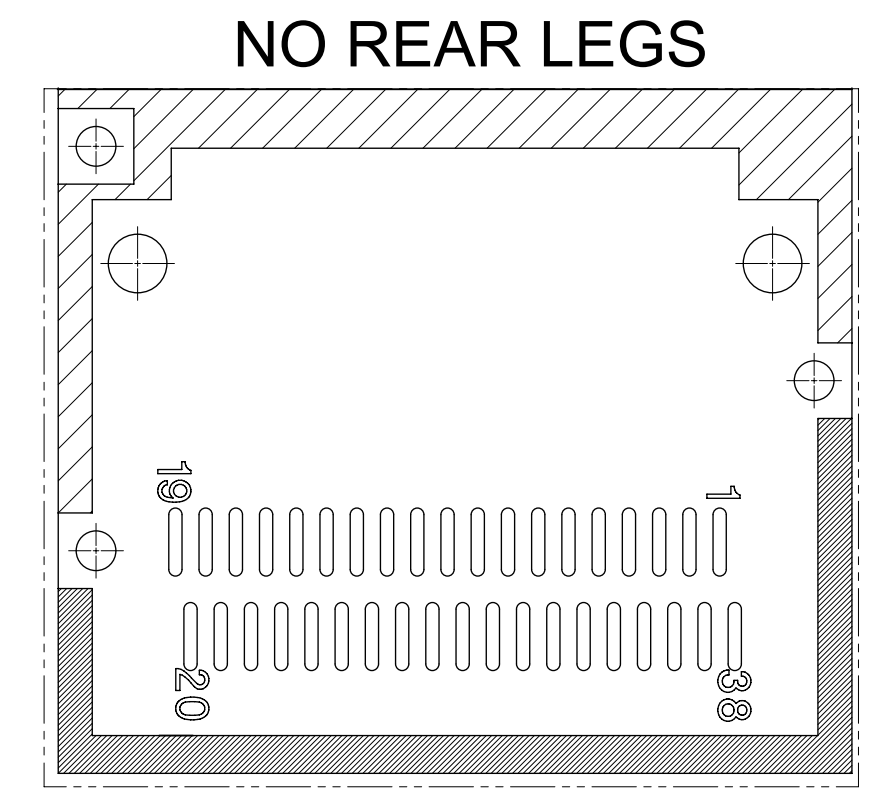
- NOTES:
- PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 - CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMMODATE MOLEX CONNECTOR SERIES 170432.
 - NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.

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	2016/03/29 2016/08/17 2016/08/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE						
	= 0				MM		3.5:1						
	= 0				ANGULAR TOL ± 2.0 °								
	= 0				4 PLACES ±								
	= 0				3 PLACES ±								
	= 0				2 PLACES ± 0.13								
	= 0				1 PLACE ± 0.25								
	= 0				0 PLACES ±								
	= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
	= 0												
		EC NO: 107579	DRWN: ACHENG03	CHKD: SYANG16	REV/ APPR: RCHEN08	DRWN BY		DATE		ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS			
						PGSHETTY		2015/10/21					
						CHK'D BY		DATE					
						SYANG16		2015/11/09		PRODUCT CUSTOMER DRAWING			
						APPR BY		DATE					
						RCHEN08		2015/11/16					
						DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES 100014			
						D						MATERIAL NUMBER	
												CUSTOMER	
										GENERAL MARKET			
										DOCUMENT NUMBER			
										1000141200			
										DOC TYPE			
										PSD			
										DOC PART			
										ASY			
										SHEET NUMBER			
										4 OF 7			

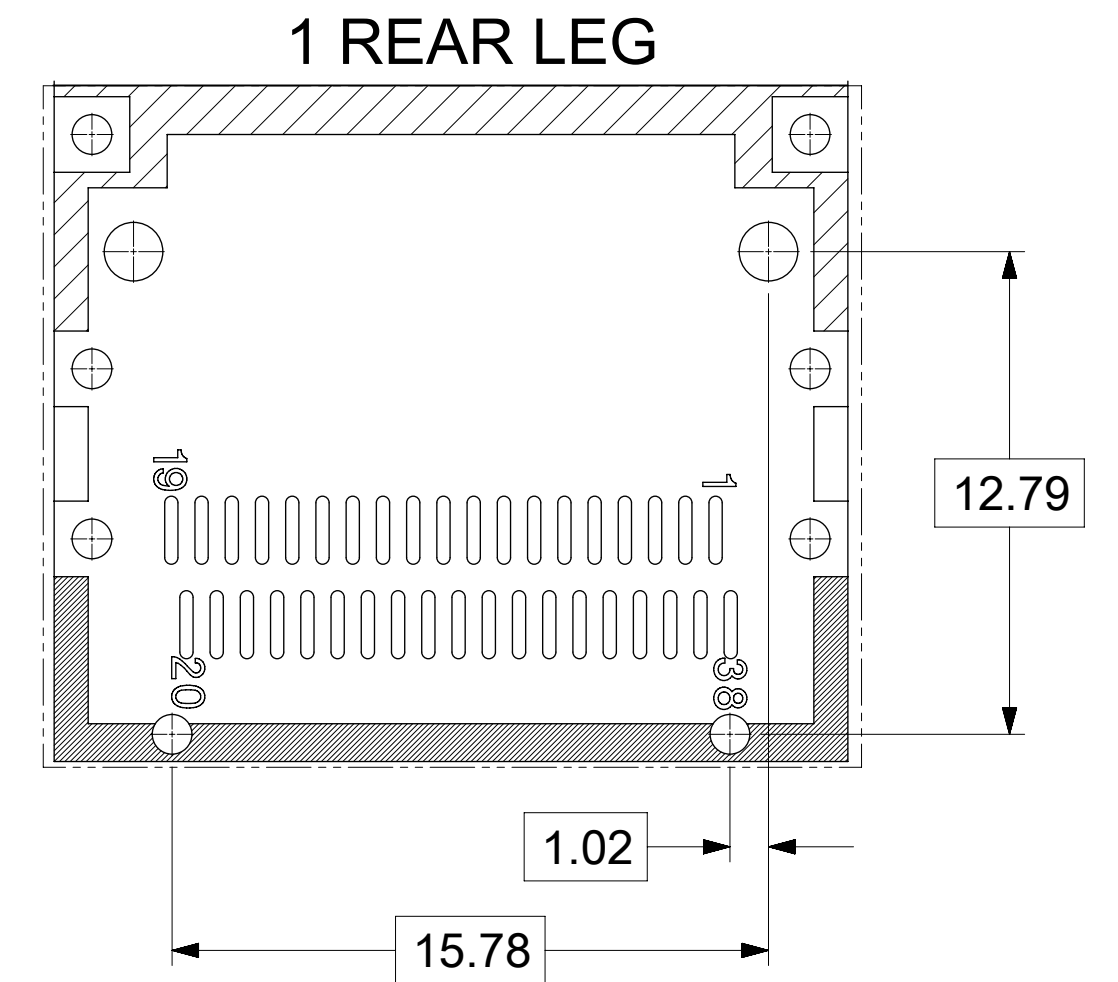
PCB LAYOUT FOR BELLY TO BELLY MOUNTING



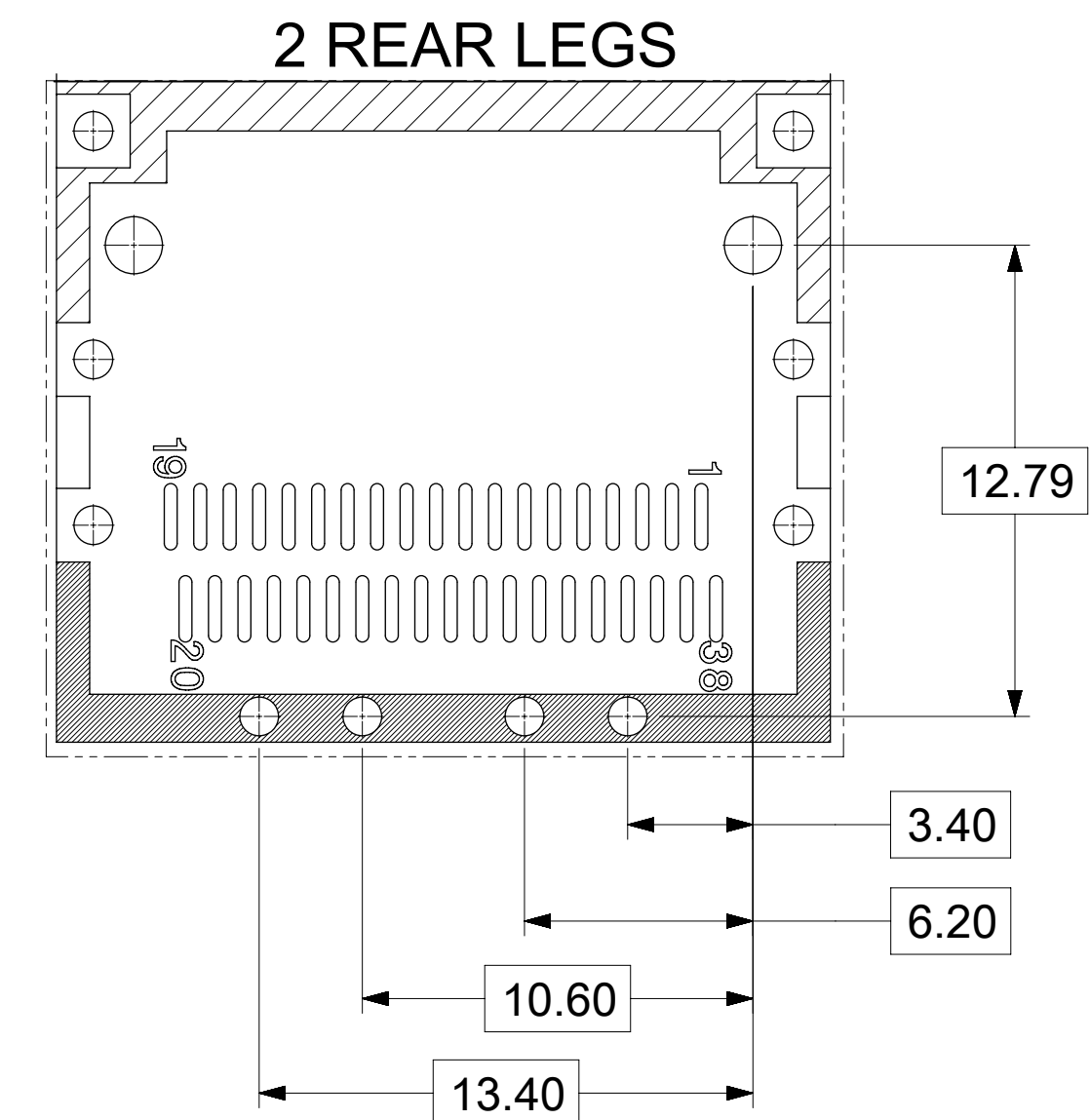
NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS



PARTIAL 1
SCALE 5:1



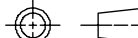
PARTIAL 5
SCALE 5:1



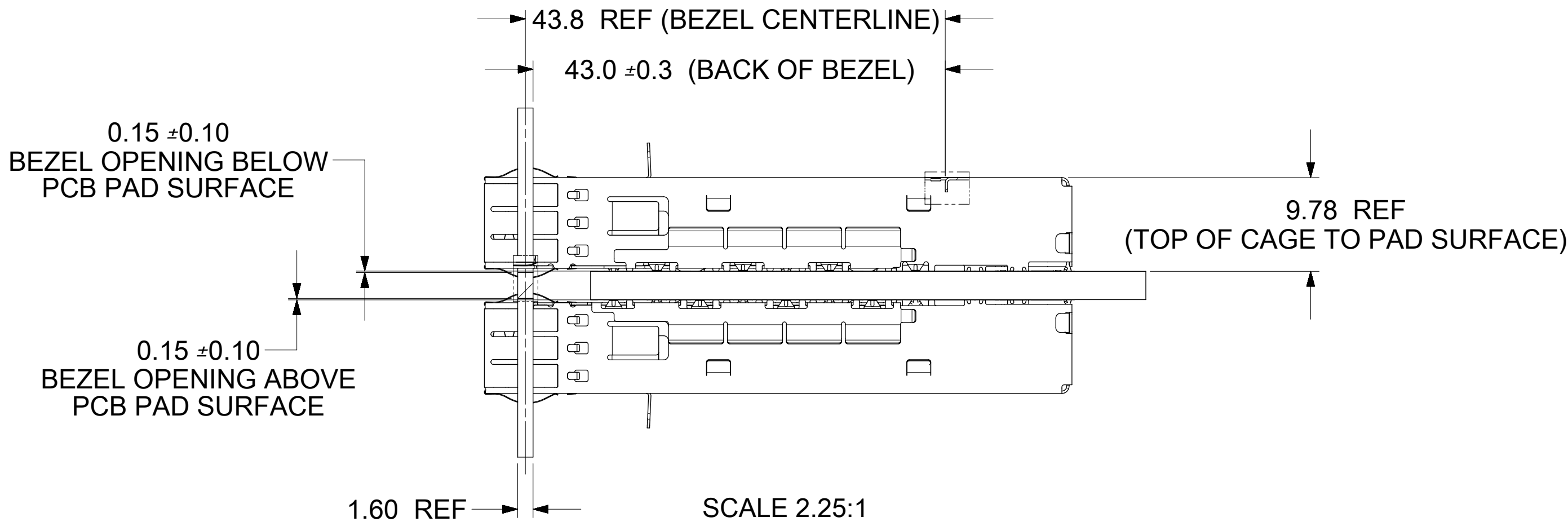
PARTIAL 6
SCALE 5:1

NOTES:

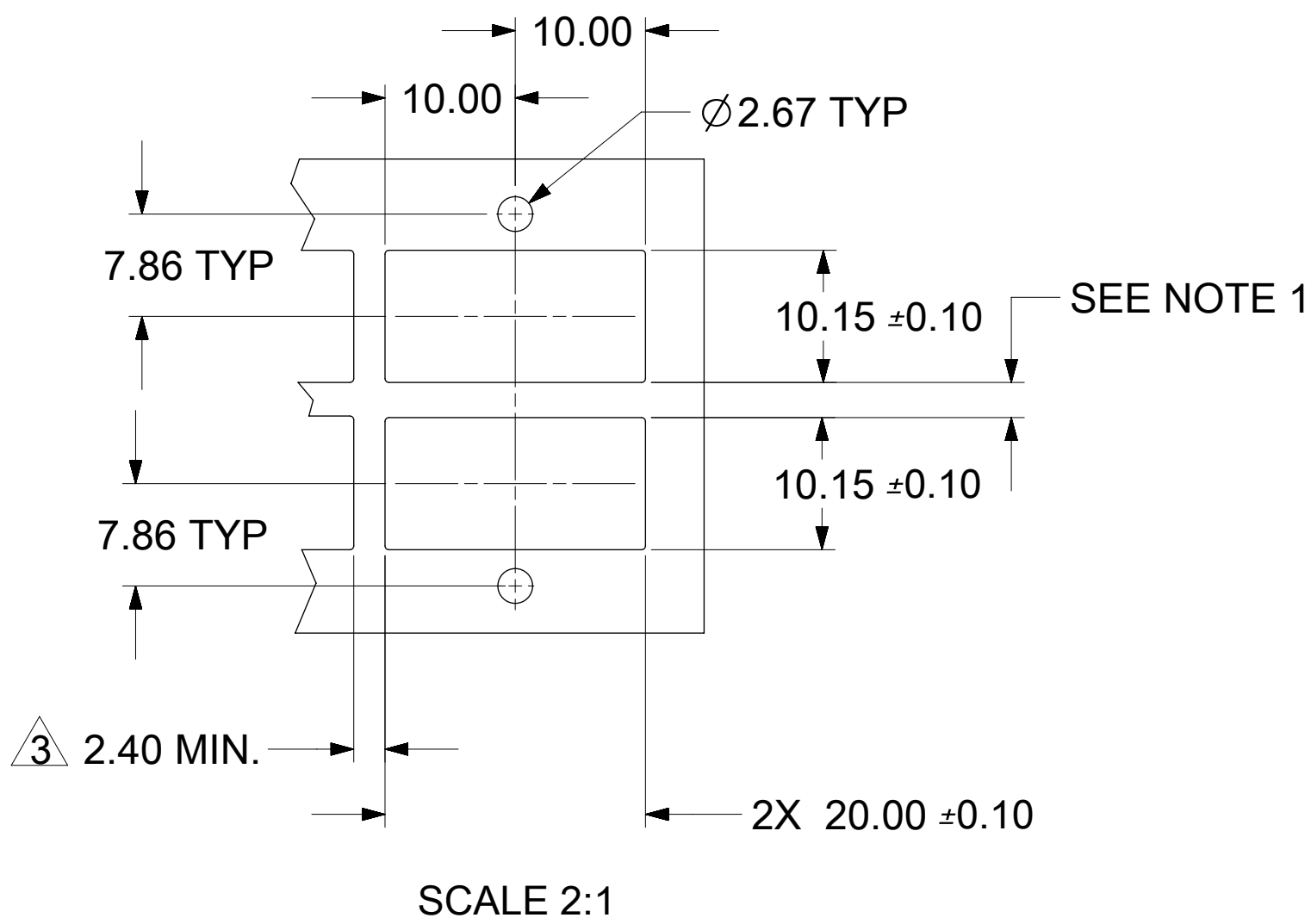
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.

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	2016/03/29 2016/08/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE								
	= 0				MM	4:1									
	= 0				ANGULAR TOL ± 2.0 °	DRWN BY		DATE		ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS					
	= 0				4 PLACES ±	PGSHETTY		2015/10/21							
	= 0				3 PLACES ±	CHK'D BY		DATE							
	= 0				2 PLACES ± 0.13	SYANG16		2015/11/09							
	= 0				1 PLACE ± 0.25	APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
	= 0				0 PLACES ±	RCHEN08		2015/11/16							
	= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER	
					J	REV		D			100014	SEE DRAWING		GENERAL MARKET	
								DOCUMENT NUMBER	DOC TYPE		DOC PART	SHEET NUMBER			
								1000141200	PSD		ASY	5 OF 7			

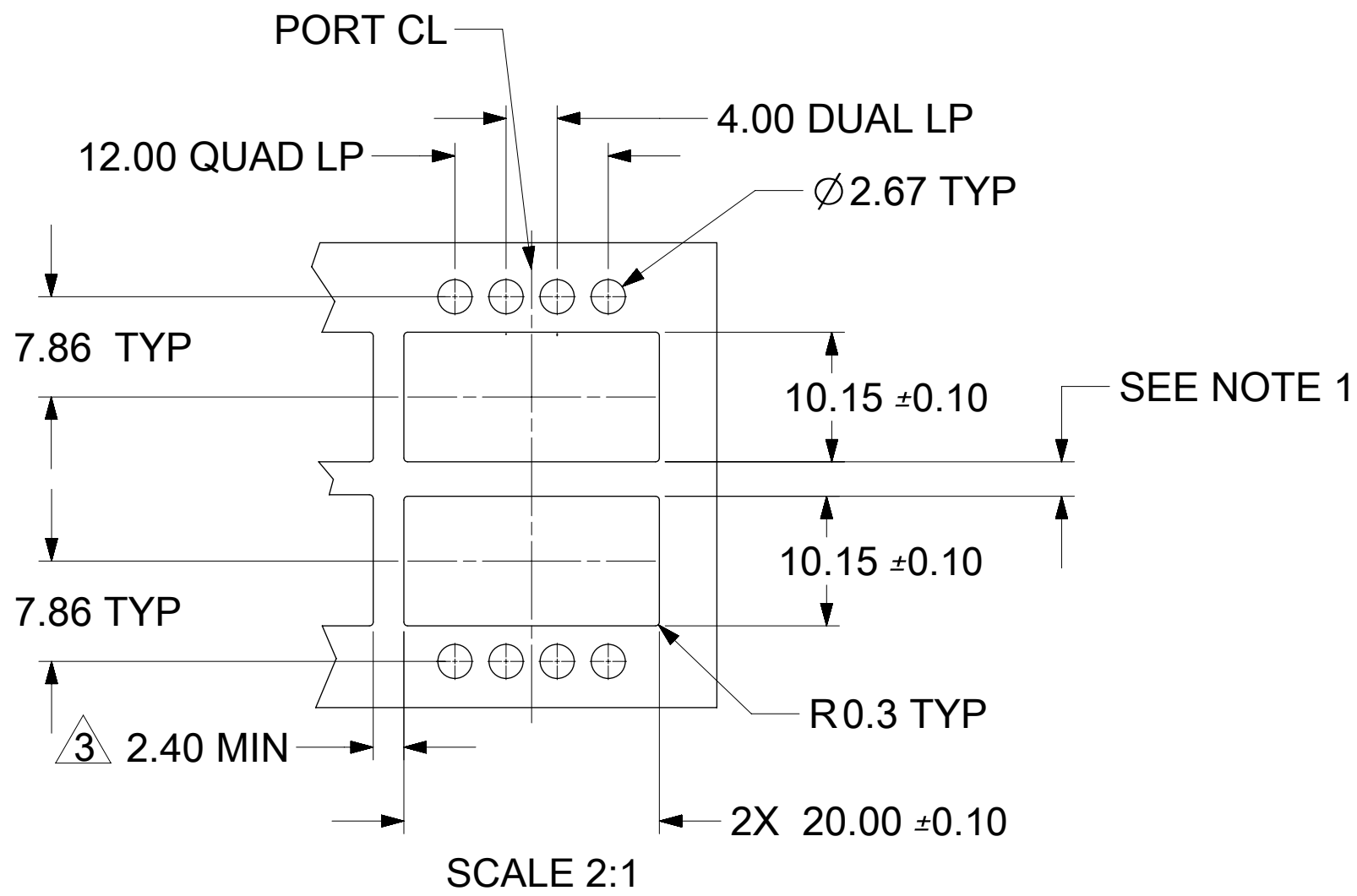
BEZEL AND BOARD POSITION DIMENSIONS
FOR BELLY TO BELLY MOUNTING



SINGLE LIGHT PIPE ²

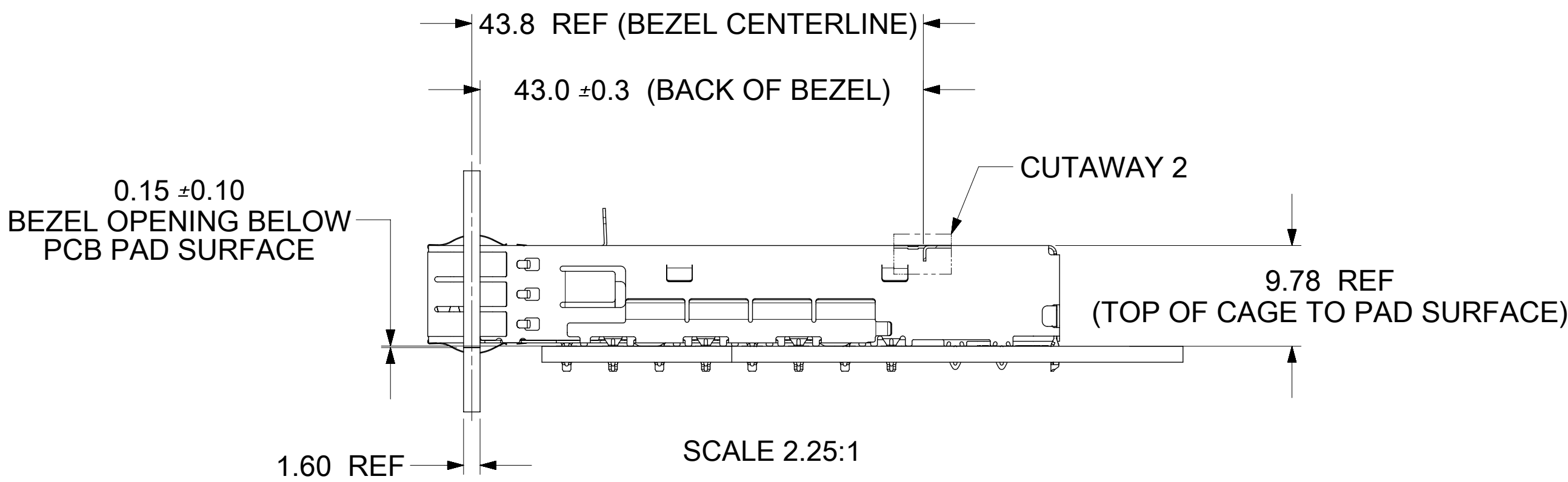


DUAL/QUAD LIGHT PIPE ²

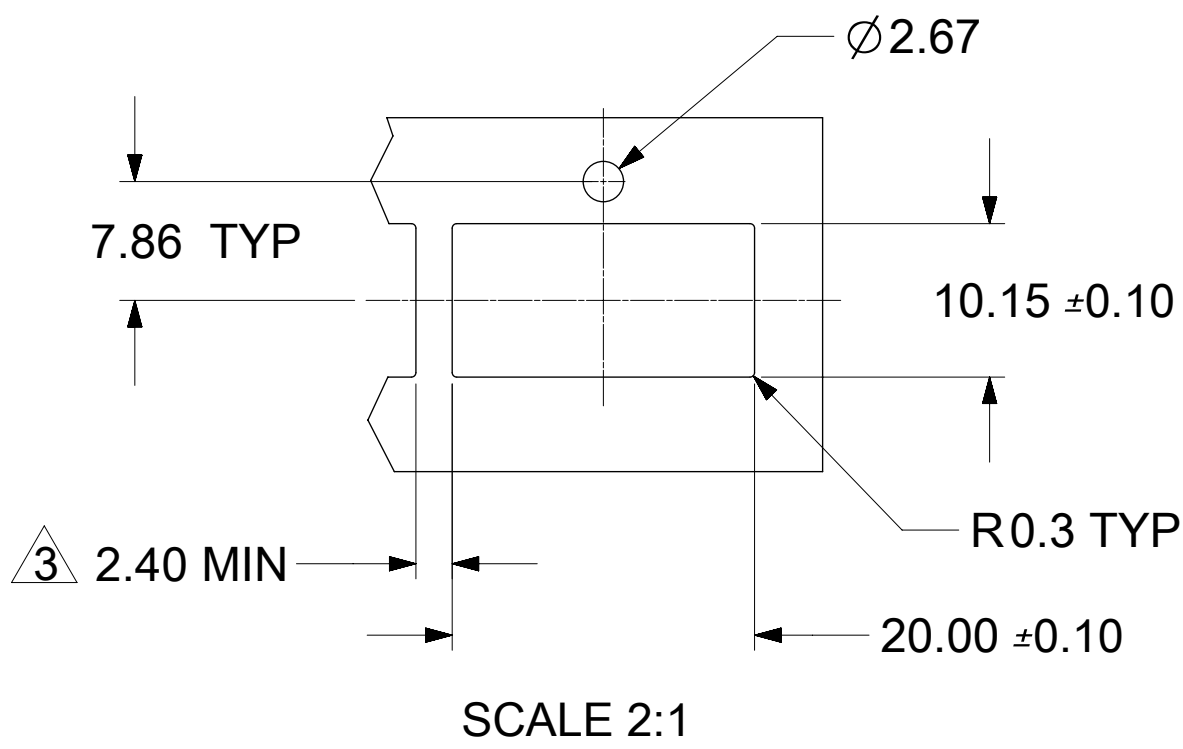


- NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 - ² NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
 - ³ THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY UT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADJACENT CAGE" ON PCB LAYOUT.)

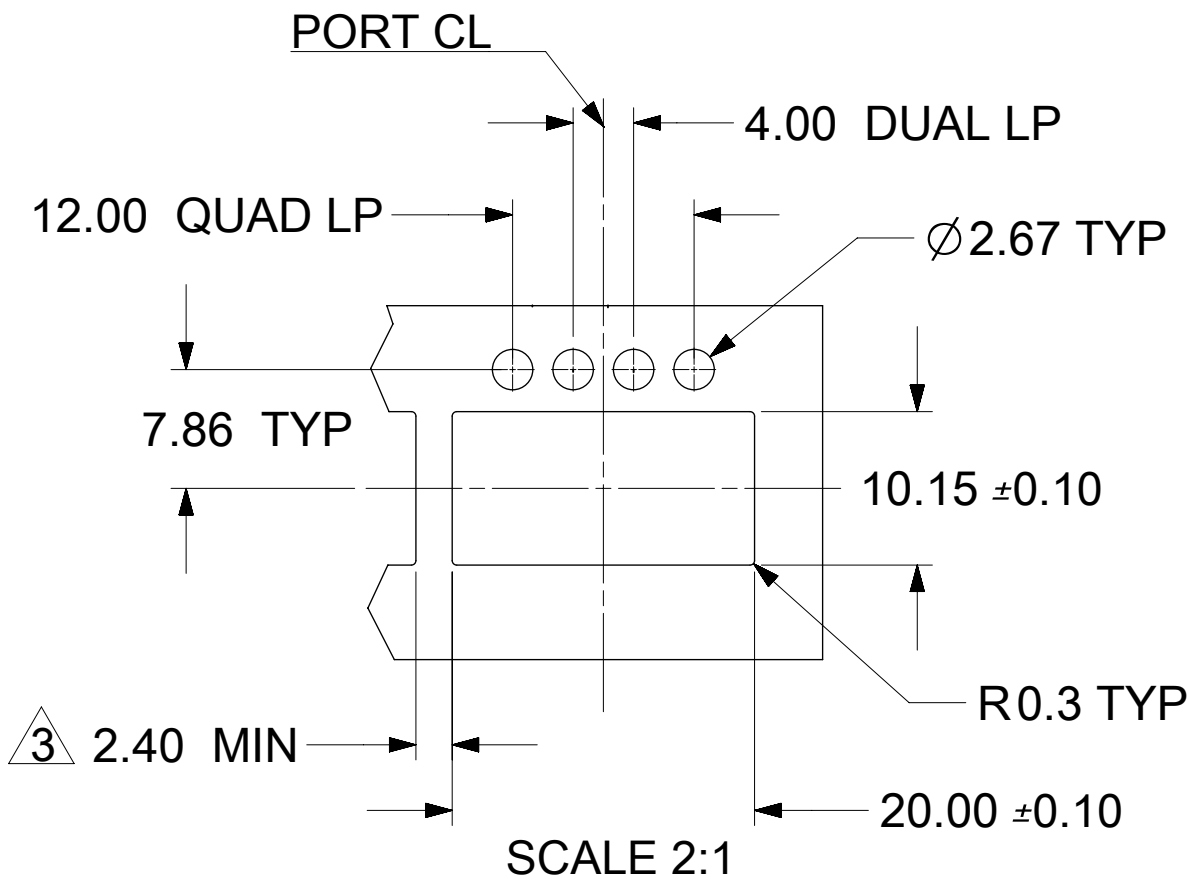
BEZEL AND BOARD POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



SINGLE LIGHT PIPE ²



DUAL/QUAD LIGHT PIPE 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: 107579 DRWN: ACHENG03 CHKD: SYANG16 REV/ APPR: RCHEN08	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®		
	= 0					MM		2.5:1				
	= 0			ANGULAR TOL ± 2.0 °		DRWN BY		DATE		ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS		
	= 0			4 PLACES ±		PGSHETTY		2015/10/21				
	= 0			3 PLACES ±		CHK'D BY		DATE				
	= 0			2 PLACES ± 0.13		SYANG16		2015/11/09				
	= 0			1 PLACE ± 0.25		APPR BY		DATE				
	= 0			0 PLACES ±		RCHEN08		2015/11/16		PRODUCT CUSTOMER DRAWING		
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION				
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REV	DATE	DESCRIPTION
A	2013/03/29	RELEASE
B	2013/06/06	ADDED DIM 12.77 AT G-11 ON SHEET 4
C	2013/11/03	REMOVED GANGED FROM TITLE BLOCK. SHEET 3: ADDED VIEW AND P/N TABLE FOR CLOSED TOP W/LP. SHEET 4/5: EXPANDED ALLOWABLE AREA WHERE SURFACE TRACES ARE PERMITTED.
D	2014/06/26	SHEET 1: ADDED MATERIAL INFORMATION TO NOTES. CHANGED REARMOST LEG ON BOTH SIDES OF ALL CAGES FROM 3D PRESSFIT TO EYE-OF-THE-NEEDLE PRESSFIT LEG.
E	2014/09/29	ADDED TWO REAR LEG OPTION SHEET 2: CHANGED HEATSINK HEIGHT DIMENSIONS TO REF J14: DIM 67.48 CHANGED TO REF SHEET 4: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES REMOVED BASIC FROM "0.00" POSITIONS SHEET 5: MOVED DATUMS "K" AND "L" TO CONNECTOR HOLES REMOVED BASIC FROM "0.00" POSITIONS H15: MADE HOLE DIAMETER DIMESION TYP SHEET 6: EDIT NOTE 1, REMOVED "SIZE" REMOVED NOTE 1 FROM ALL "10.15" DIMENSIONS
F	2015/02/05	SHEET 3: ADDED P/N 1000141744 TO CHART.
G	2015/04/14	SHEET 2: ADDED DIM "B" AT J-10 SHEET 3: ADDED P/N AT A-19 ADDED DIM "B" W/ 61.07 REF TO CHARTS AT G-14 AND I-15 ADDED 59.47 REF AS DIM "B" TO P/N 1000141744 AT A-14 REMOVED NOTE 1 AT A-19 SHEET 4: ADDED DIM 12.79 @G13 REVISED DIM "WAS" 12.77 "NOW" 12.79 @E2 AND @H2 REMOVED SEE NOTE 4 AND ADDED DIMS @K17 REMOVED NOTE 4 AND REVISED NOTE 5 TO NOTE 4 REVISED FRAMED TEXT NUMBER 4 TRIANGLES TO FRAMED TEXT NUMBER 5 @D9, @E8, @E10,@F8, @F10, @G11,AND @H11 SHEET 5: REMOVED NOTE 4 @A20 REMOVED SEE NOTE 4 AND ADDED DIMS @K15 REVISED DIM "WAS" 12.77 "NOW" 12.79 @E2, @I2, AND @F12 SHEET 6: REVISED PORT CL "WAS" (4) "NOW" PORT CL
H	2015/11/02	1. REMASTERED FROM SD-100014-1200_REV 'G' 2. SHEET 3 : G5 : ADDED P/N 1000141903
H1	2016/01/06	CHANGED THE DOCUMENT TYPE FROM RSD TO SD. SHEET1: B19: CHANGED NOTE 4 AND NOTE 5 FROM "DURING INCOMING INSPECTION" TO "DURING FINAL INSPECTION." SHEET6: A19: ADDED NOTE3: THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF ADJACENT CAGE" ON PCB LAYOUT.) F16: ADDED 2.40 MIN. B16, F7, C7: CHANGED 2.75 MIN. TO 2.40 MIN.
J	2016/08/16	SHEET 1: D11: ADDED DIM 13.4 REF. SHEET 4: G14: REMOVED DIM 6.60 SHEET 6: J18: ADDED DIM 0.15±0.10 (BEZEL OPENING ABOVE PCB PAD SURFACE)

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: 107579 DRWN: ACHENG03 CHKD: SYANG16 REV/ APPR: RCHEN08	2016/03/29 2016/08/17 2016/08/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE				
	= 0				MM	1:1					
	= 0				ANGULAR TOL ± 2.0 °	DRWN BY	DATE	ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS			
	= 0				4 PLACES ±	PGSHETTY	2015/10/21				
	= 0				3 PLACES ±	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING			
	= 0				2 PLACES ± 0.13	SYANG16	2015/11/09				
	= 0				1 PLACE ± 0.25	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER			
	= 0				0 PLACES ±	RCHEN08	2015/11/16				
	= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER			
					D		1000141200 PSD ASY 7 OF 7				