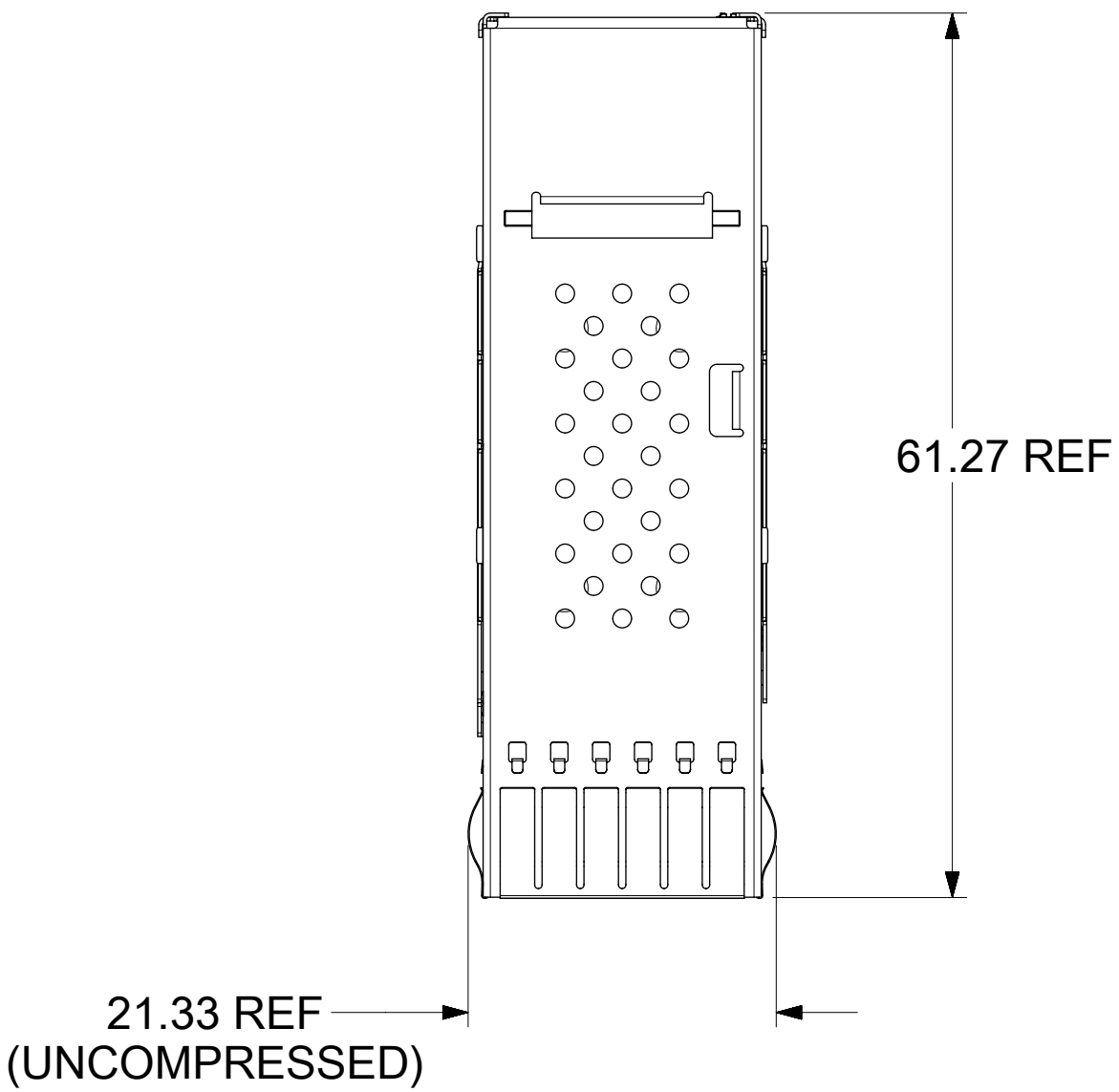


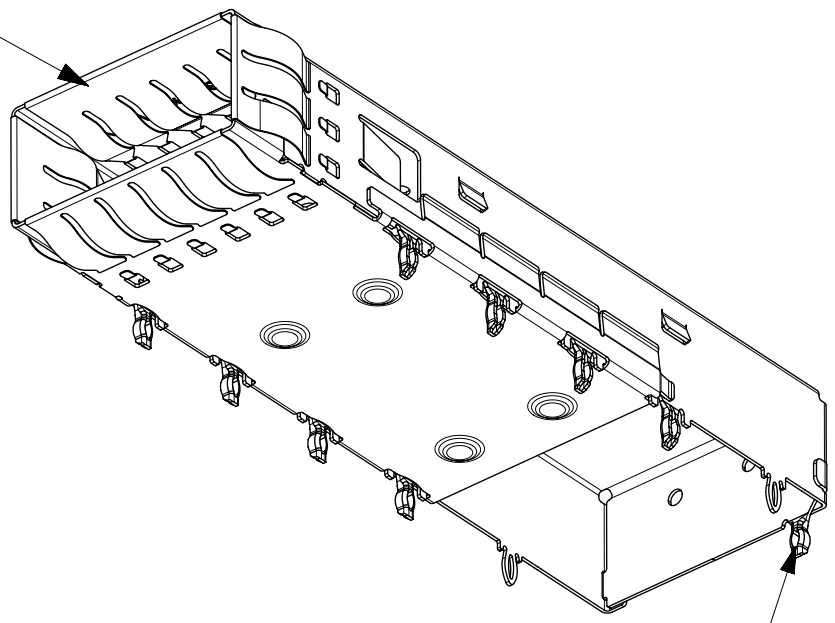
BASE CAGE DETAILS

1000141242

SHOWN

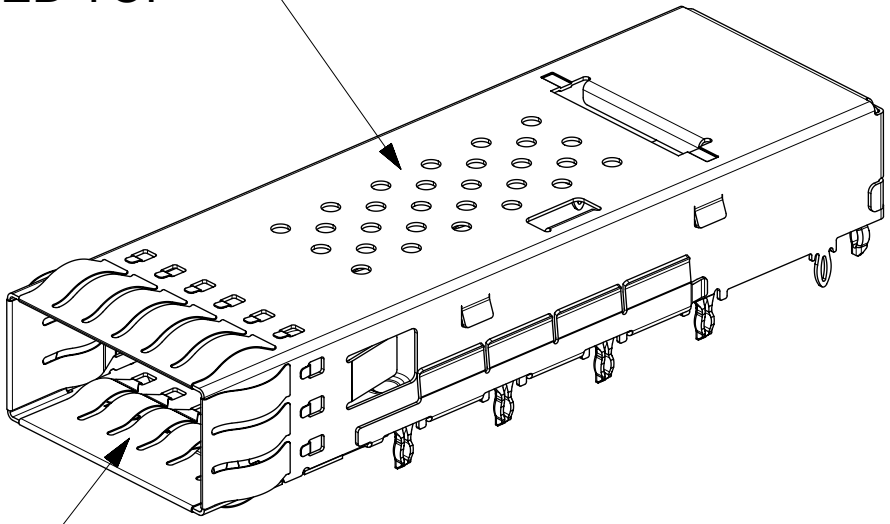


SPRING FINGERS

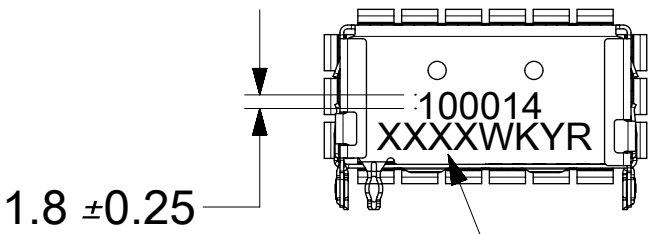
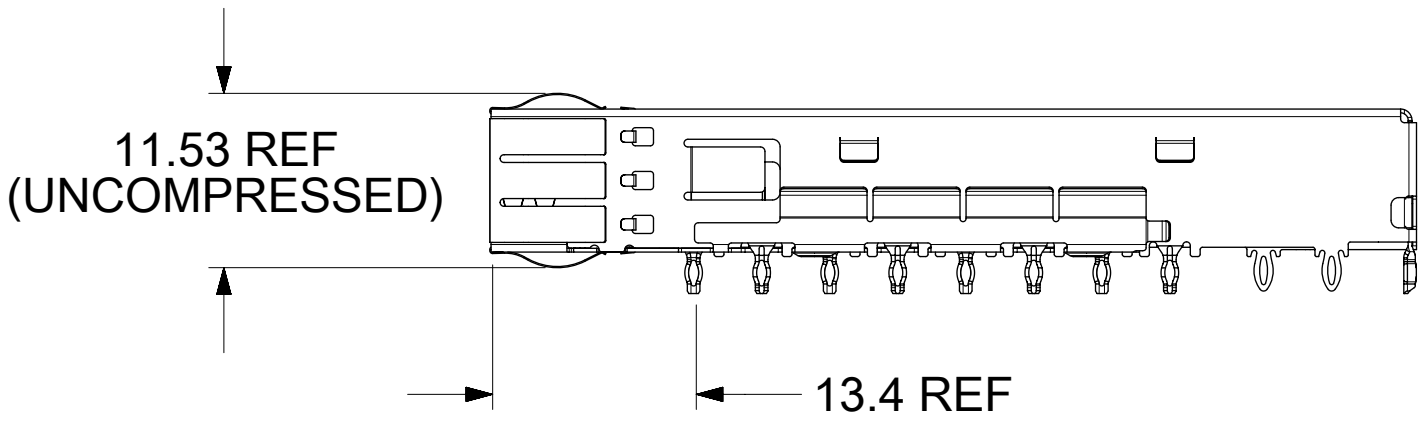
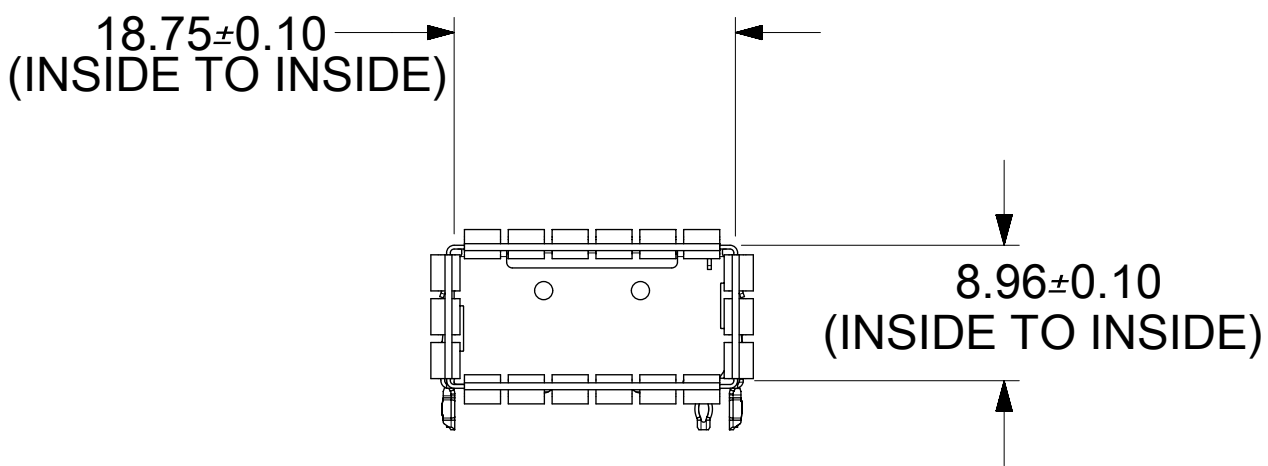


REAR LEGS OPTIONAL
(SEE TABLE ON SHEET 3)

CLOSED TOP

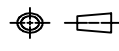


DIMENSIONS OF EACH INNER CAGE DESIGNED
TO FUNCTION WITH QUAD SMALL
FORM-FACTOR (zQSFP+) TRANSCEIVER



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.

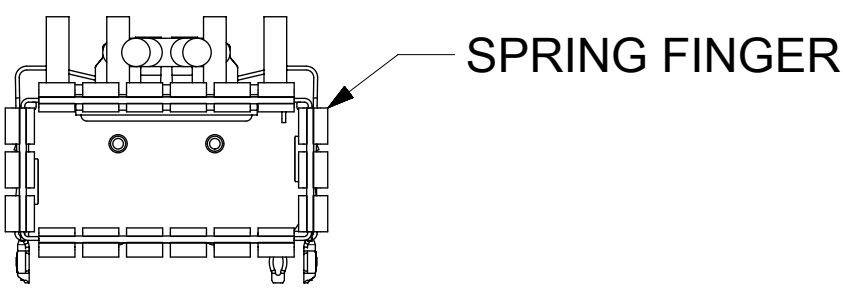
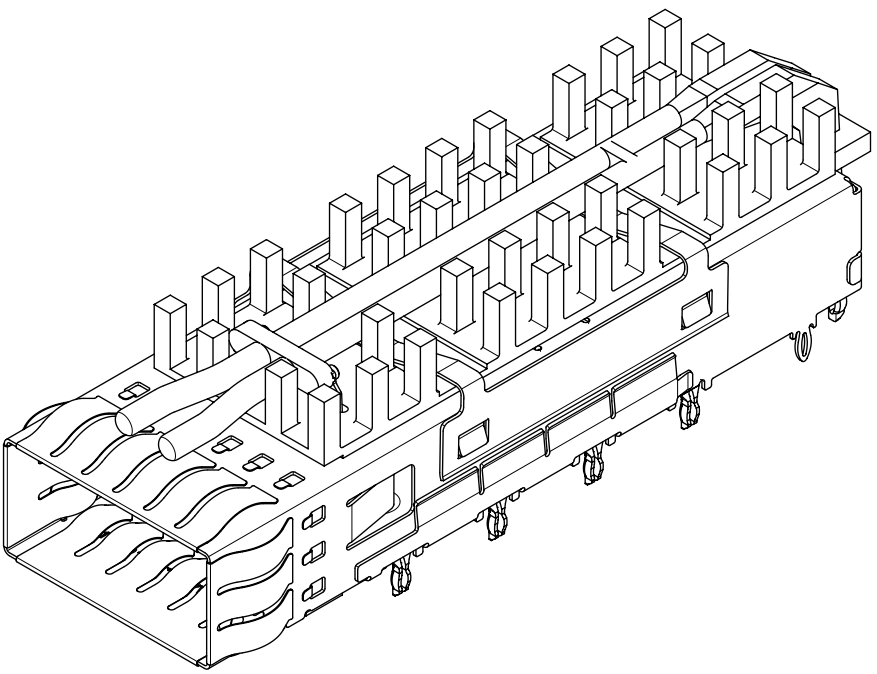
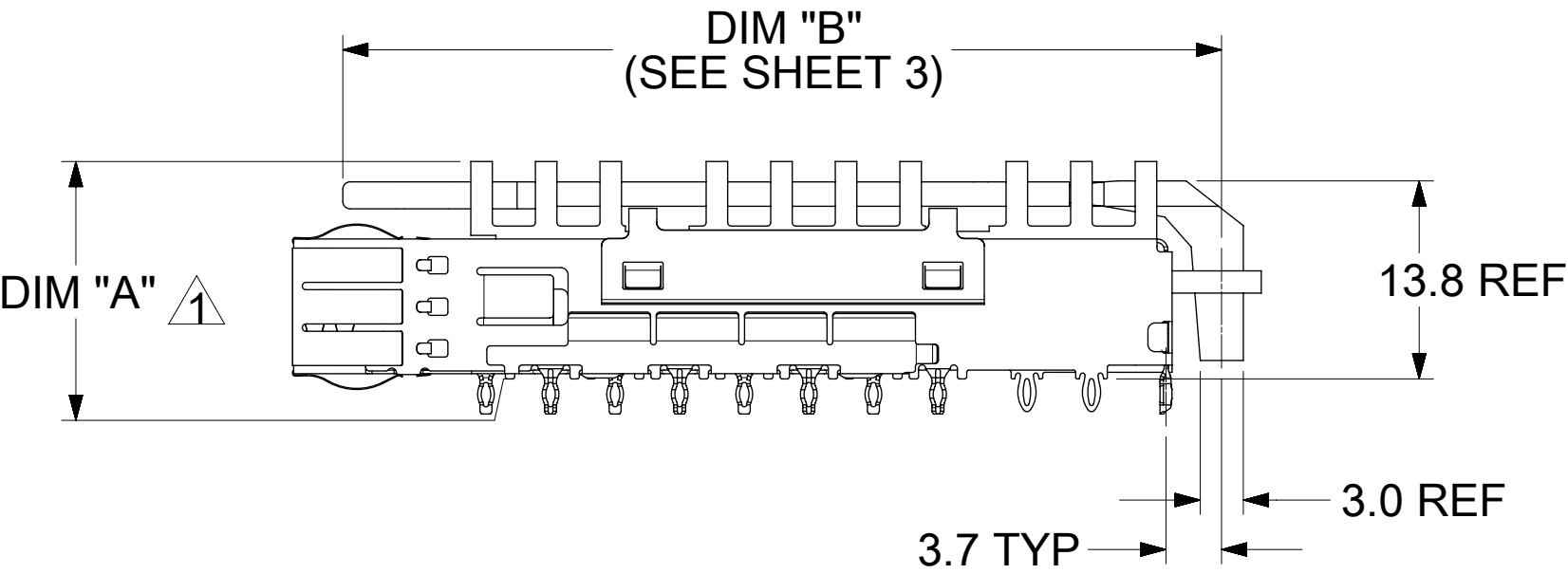
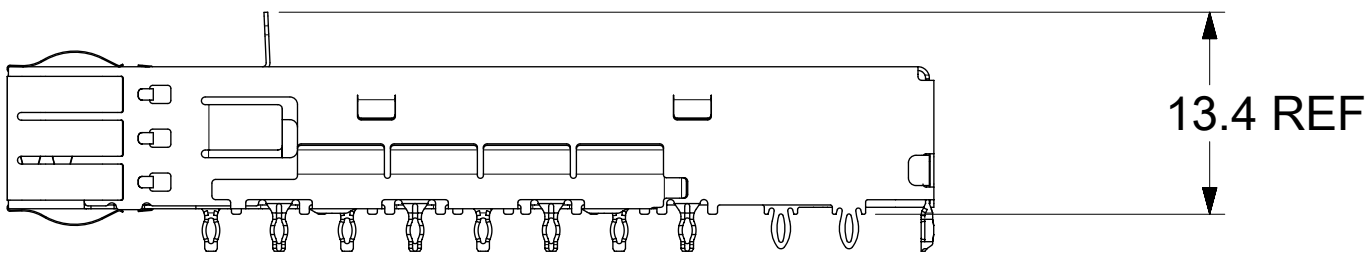
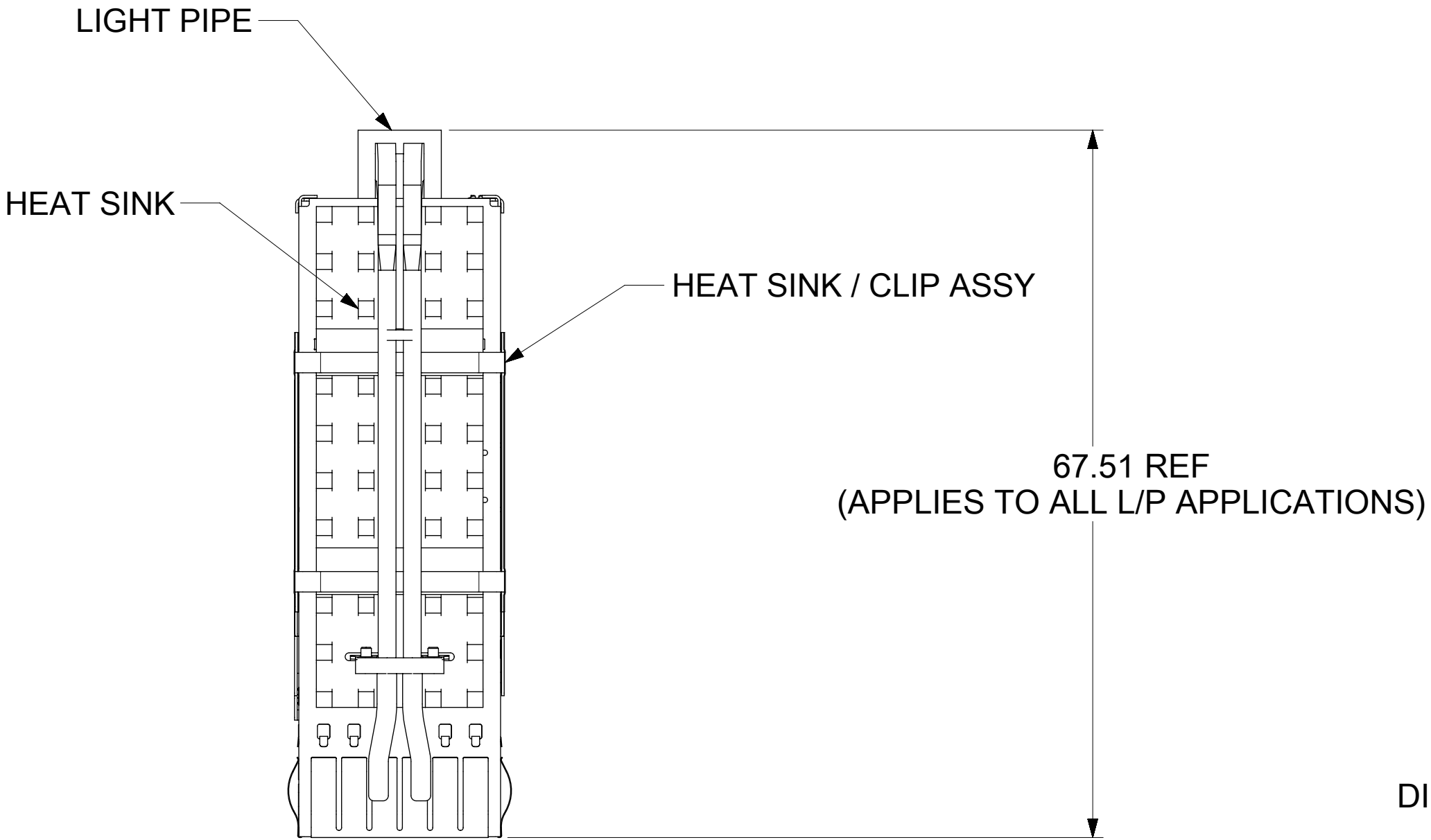
- NOTES:
- MATERIAL: CAGE: STAINLESS STEEL
SPRING FINGERS: BERYLLIUM COPPER; NICKEL PLATED
HEAT SINKS: NICKEL PLATED ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
 - DIMENSIONS MARKED  ARE CRITICAL TO FUNCTION OF THE PART AND MUST BE INSPECTED
 - DRAWING APPLIES TO ALL 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)									
YR	18, 19, 20 ETC.. (EXAMPLE: YEAR 2018= 18)									
SYMBOLS	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			molex		
	 = 0	mm	2:1							
	 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
	 = 0	ANGULAR TOL ± 2.0 °								
	 = 0	4 PLACES	±		EC NO: 178204 DRWN: MKEMPEGOWDA 2018/05/24 CHK'D: TKUMARKC 2018/06/19 APPR: RCHEN08 2018/06/22			ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS		
	 = 0	3 PLACES	±							
	 = 0	2 PLACES	± 0.13		INITIAL REVISION: DRWN: PGSHETTY 2015/10/21 APPR: RCHEN08 2015/11/16			PRODUCT CUSTOMER DRAWING		
	 = 0	1 PLACE	± 0.25							
	 = 0	0 PLACES	±							
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
			D-SIZE	100014		SEE DRAWING		GENERAL MARKET		1 OF 8

CAGE ASSEMBLY OPTIONS

1000141544

SHOWN



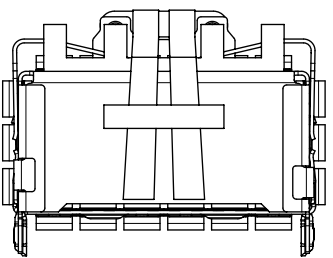
HEATSINK HEIGHT OPTIONS

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

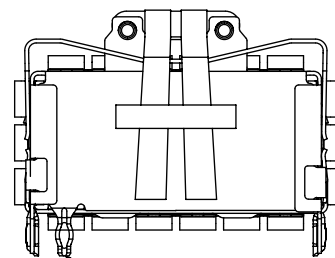


HEIGHT OF HEAT SINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

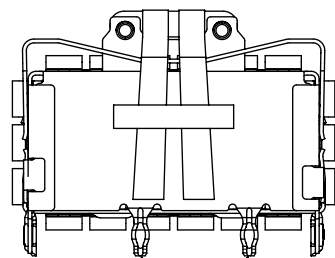
REAR LEG OPTIONS



0 REAR LEGS



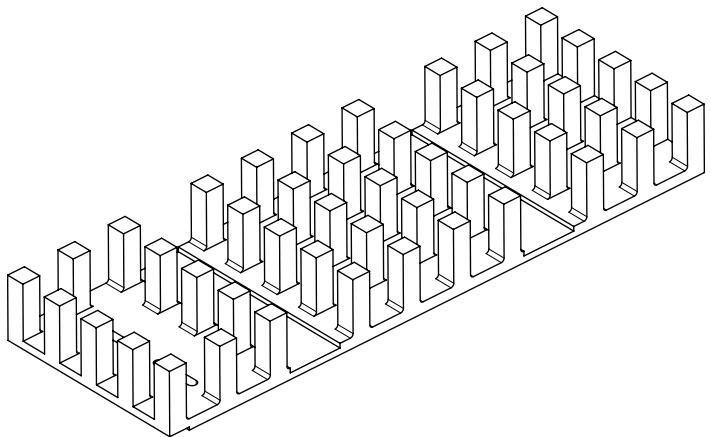
1 REAR LEGS



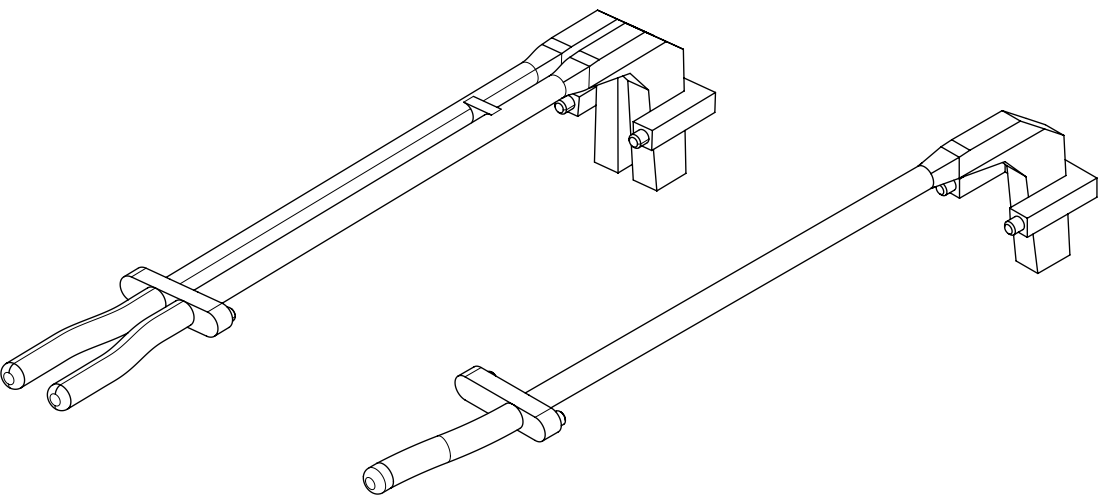
2 REAR LEGS

HEATSINK AND LIGHT PIPE COMBINATIONS

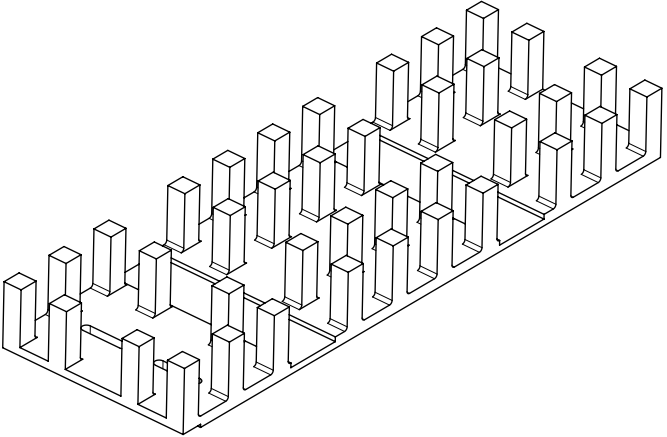
HEAT SINK
USED
WITHOUT
LIGHTPIPE



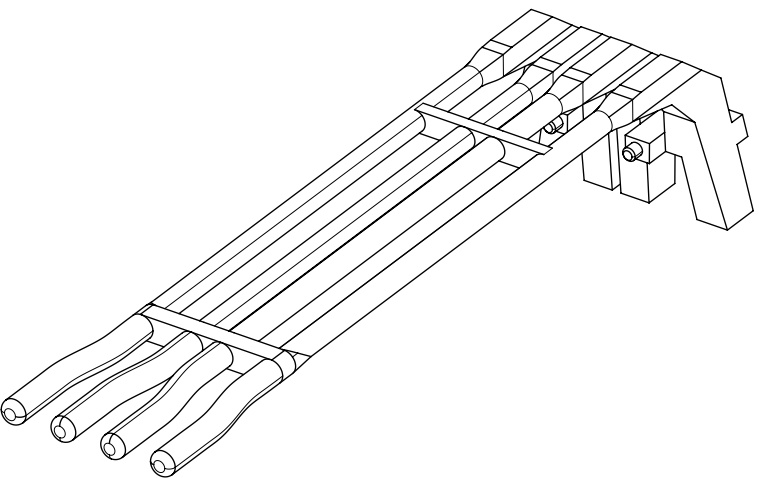
SINGLE / DUAL LIGHT PIPE



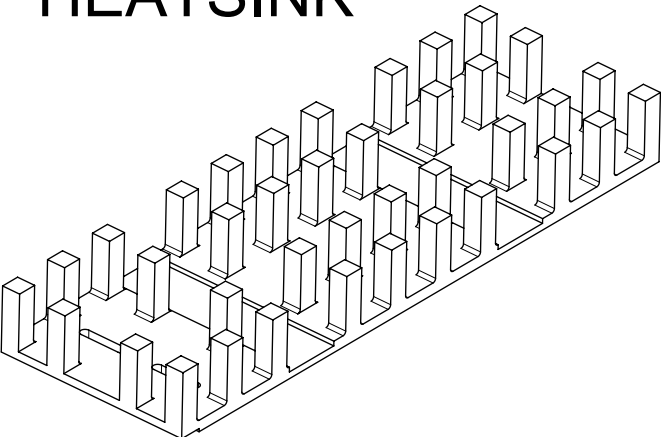
HEATSINK



QUAD LIGHT PIPE



HEATSINK



SYMBOLS	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			molex ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS					
	mm		2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± 2.0 °												
	4 PLACES		±										
	3 PLACES		±		EC NO: 178204 DRWN: MKEMPEGOWDA 2018/05/24 CHK'D: TKUMARKC 2018/06/19 APPR: RCHEN08 2018/06/22			PRODUCT CUSTOMER DRAWING					
	2 PLACES		± 0.13										
	1 PLACE		± 0.25										
	0 PLACES		±										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION										DRAWING
				D-SIZE		100014		SEE DRAWING		GENERAL MARKET		2 OF 8	

molex

ZQSFP+ 1X1 CAGE
ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS

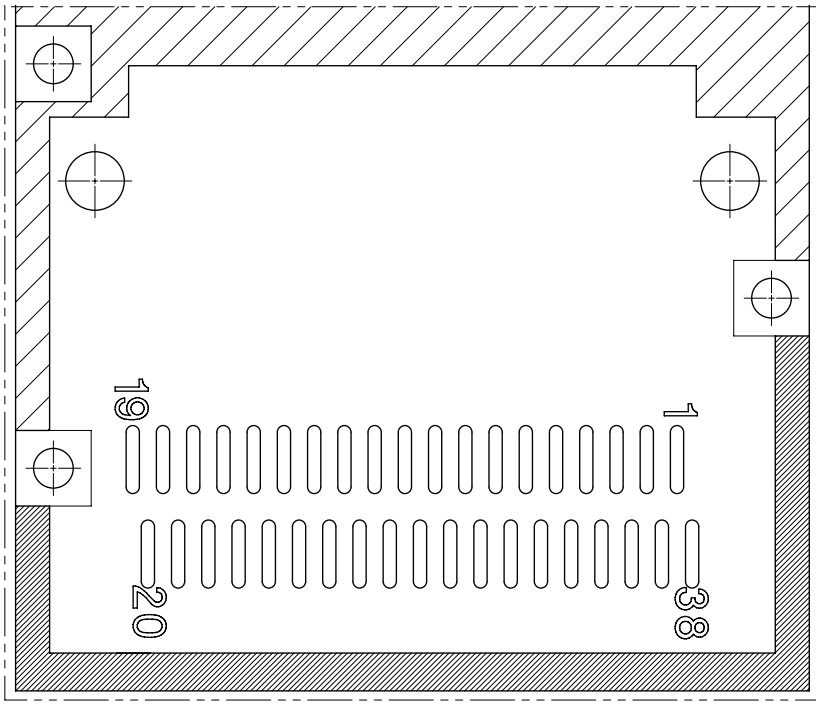
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1000141200	PSD	ASY	L

SHEET NUMBER
2 OF 8

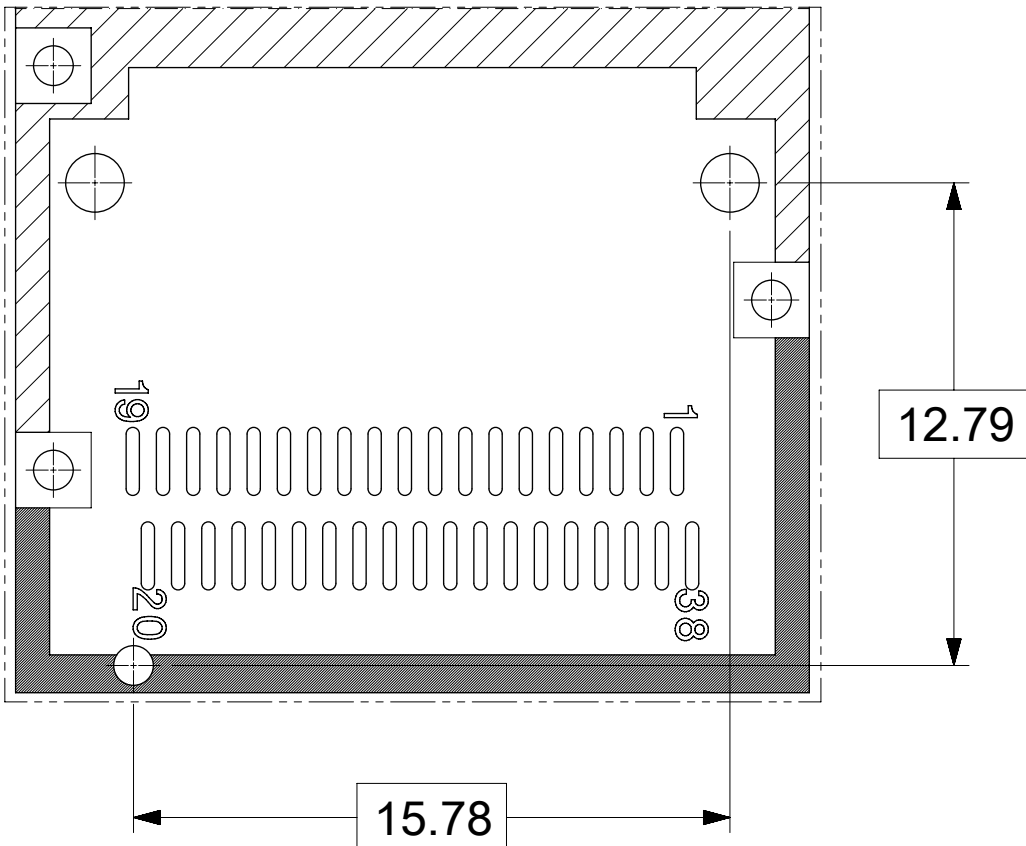
PCB LAYOUT FOR SINGLE SIDED MOUNTING

NO REAR LEGS



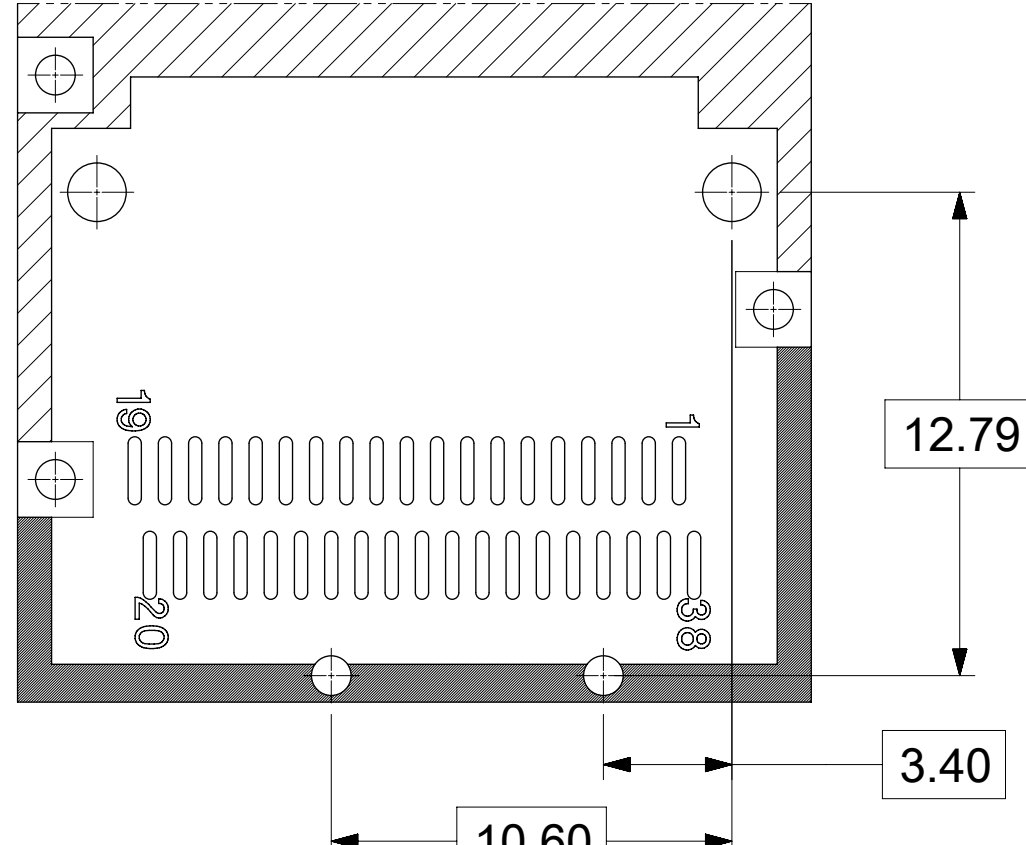
PARTIAL 1
SCALE 5:1

1 REAR LEG

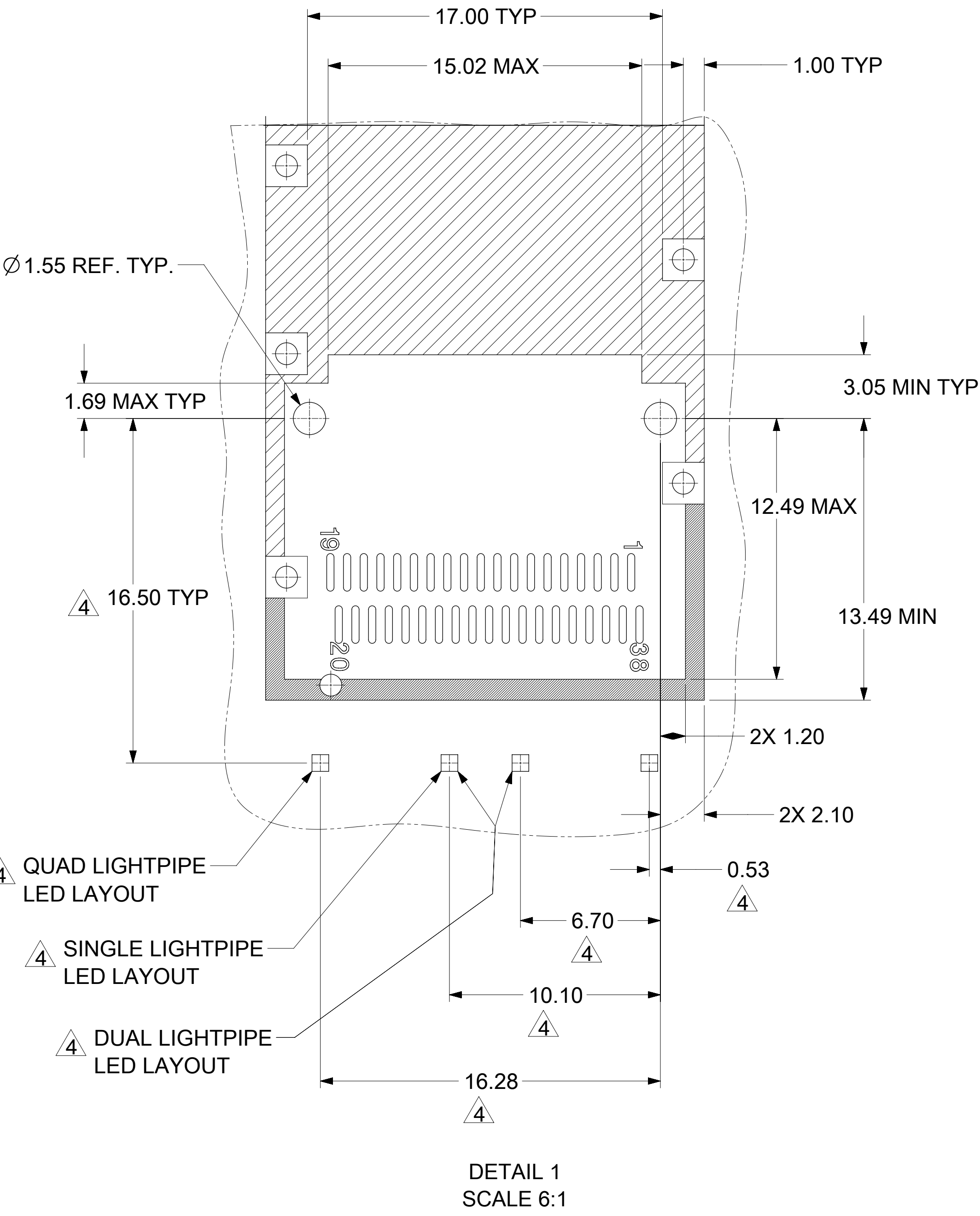


PARTIAL 2
SCALE 5:1

2 REAR LEGS



PARTIAL 3
SCALE 5:1



DETAIL 1
SCALE 6:1

4 QUAD LIGHTPIPE
LED LAYOUT

4 SINGLE LIGHTPIPE
LED LAYOUT

4 DUAL LIGHTPIPE
LED LAYOUT

Ø 1.55 REF. TYP.

1.69 MAX TYP

16.50 TYP

1.00 TYP

3.05 MIN TYP

12.49 MAX

13.49 MIN

2X 1.20

2X 2.10

0.53

6.70

10.10

16.28

37.00 MAX

34.60

30.10

25.60

21.10

16.60

12.10

7.60

3.10

0.00

3.10

7.60

12.79

HOLE OF
ADJACENT CAGE

0.00

SEE DETAIL 1

17.90 16.80

1.10

4.50

DATUM -A- IS THE TOP
SURFACE OF HOST BOARD

AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

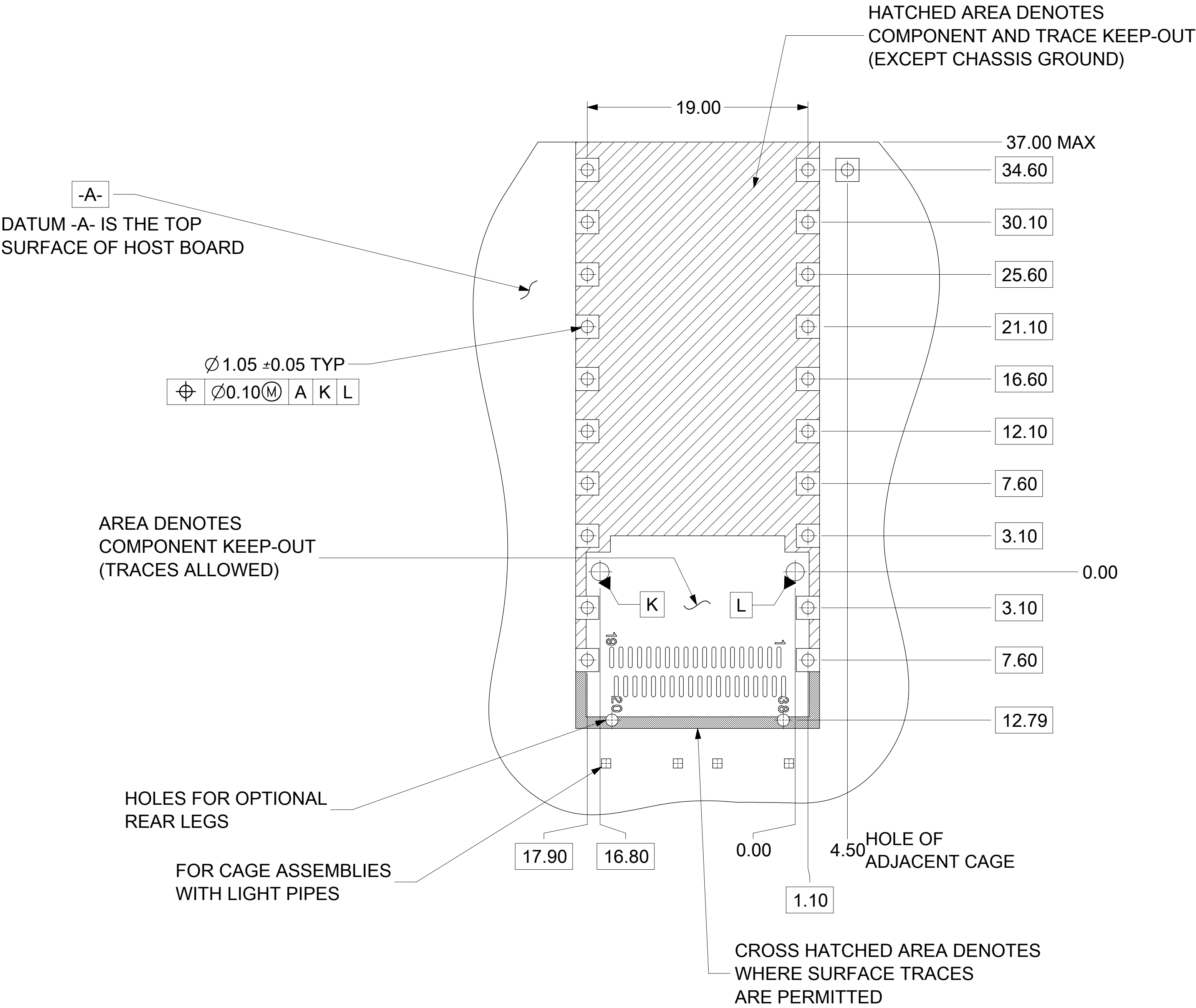
HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)

Ø 1.05 ±0.05 TYP
Ø 0.10 (M) A K L

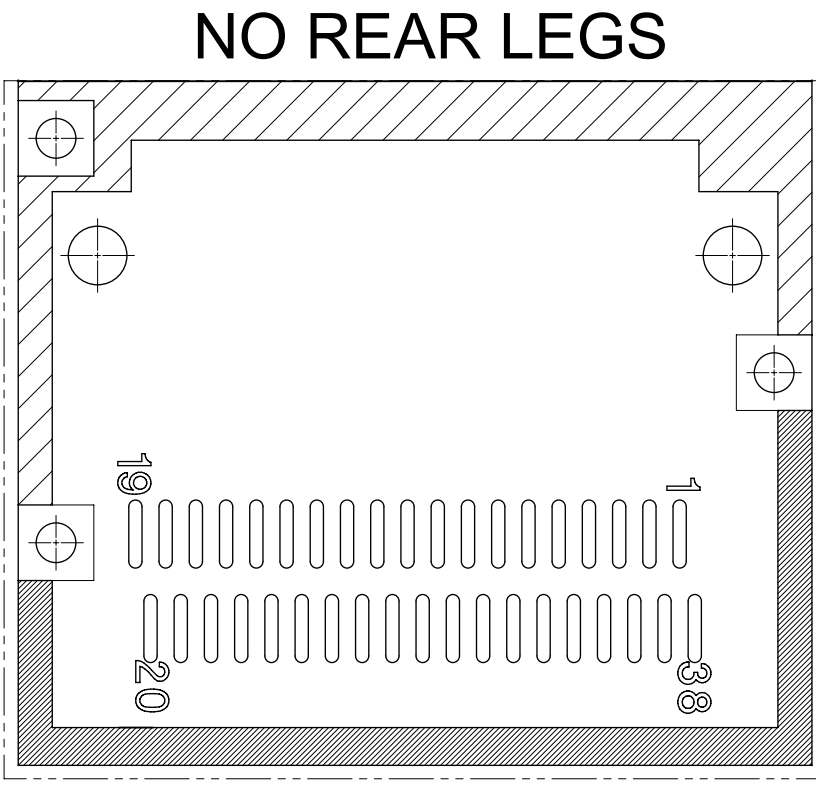
- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.
 4. NOTED DIMENSIONS ONLY APPLY TO CAGE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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE		molex			
	DIMENSION UNITS	SCALE						
▽ = 0	mm	3.5:1	EC NO: 178204		ZQSFP+ 1X1 CAGE			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: MKEMPEGOWDA 2018/05/24		ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS			
▽ = 0	ANGULAR TOL ± 2.0°		CHK'D: TKUMARKC 2018/06/19		PRODUCT CUSTOMER DRAWING			
▽ = 0	4 PLACES	±	APPR: RCHEN08 2018/06/22		DOCUMENT NUMBER			
▽ = 0	3 PLACES	±	INITIAL REVISION:		DOC TYPE DOC PART REVISION			
▽ = 0	2 PLACES	± 0.13	DRWN: PGSHETTY 2015/10/21		1000141200			
▽ = 0	1 PLACE	± 0.25	APPR: RCHEN08 2015/11/16		PSD ASY L			
▽ = 0	0 PLACES	±	THIRD ANGLE PROJECTION		MATERIAL NUMBER CUSTOMER SHEET NUMBER			
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING D-SIZE		SEE DRAWING GENERAL MARKET 4 OF 8			
▽ = 0								

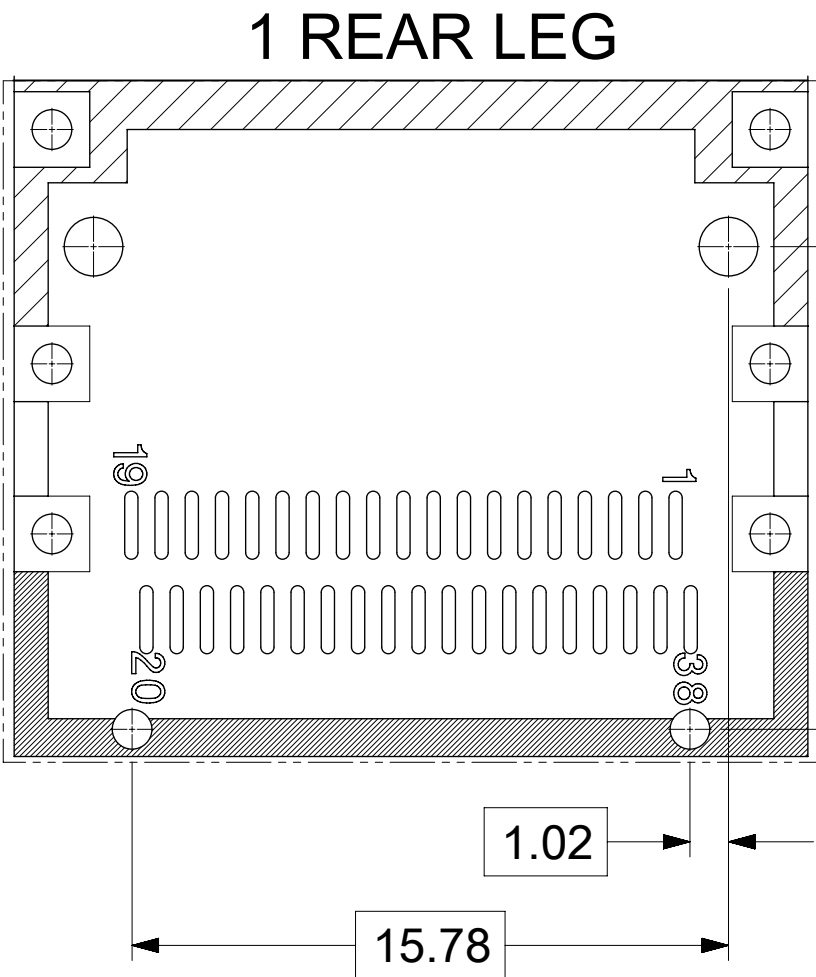
PCB LAYOUT FOR BELLY TO BELLY MOUNTING



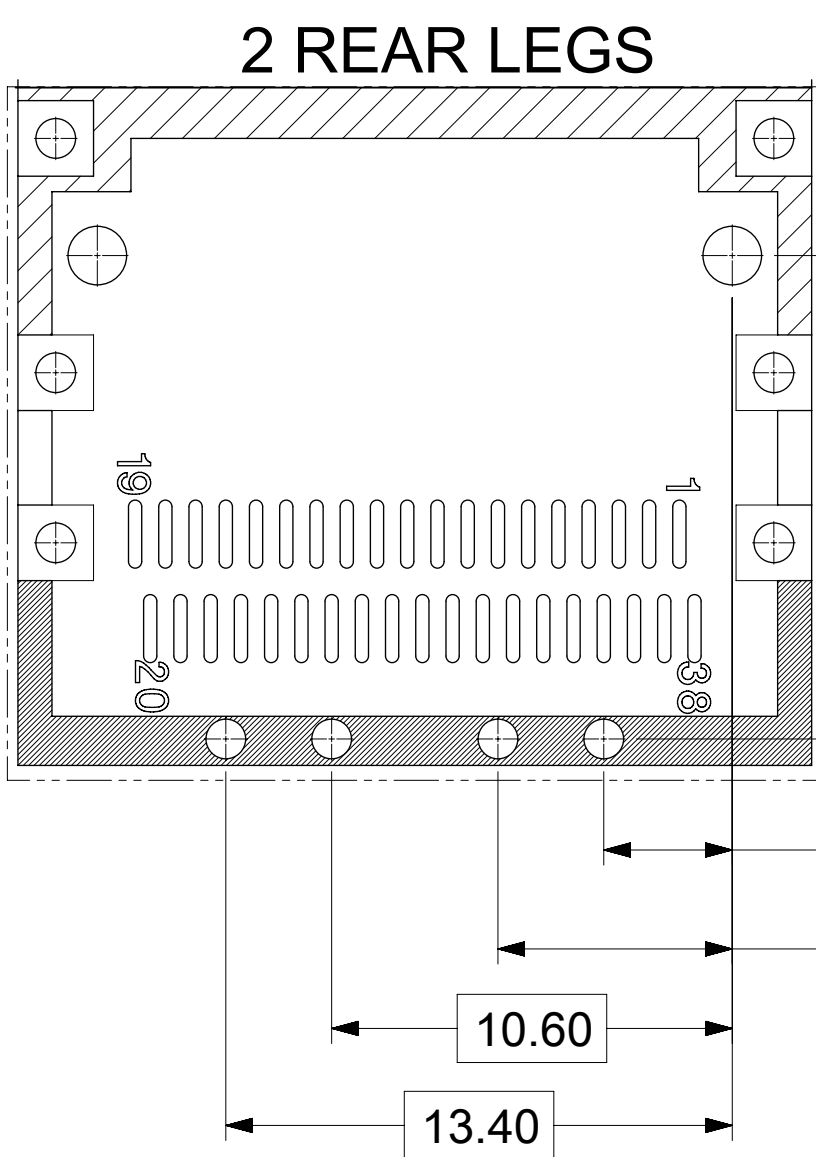
NOTE:
SEE SHEET 4 FOR
HOST CONNECTOR DETAIL
AND LED LOCATION DETAILS



PARTIAL 1
SCALE 5:1



PARTIAL 5
SCALE 5:1

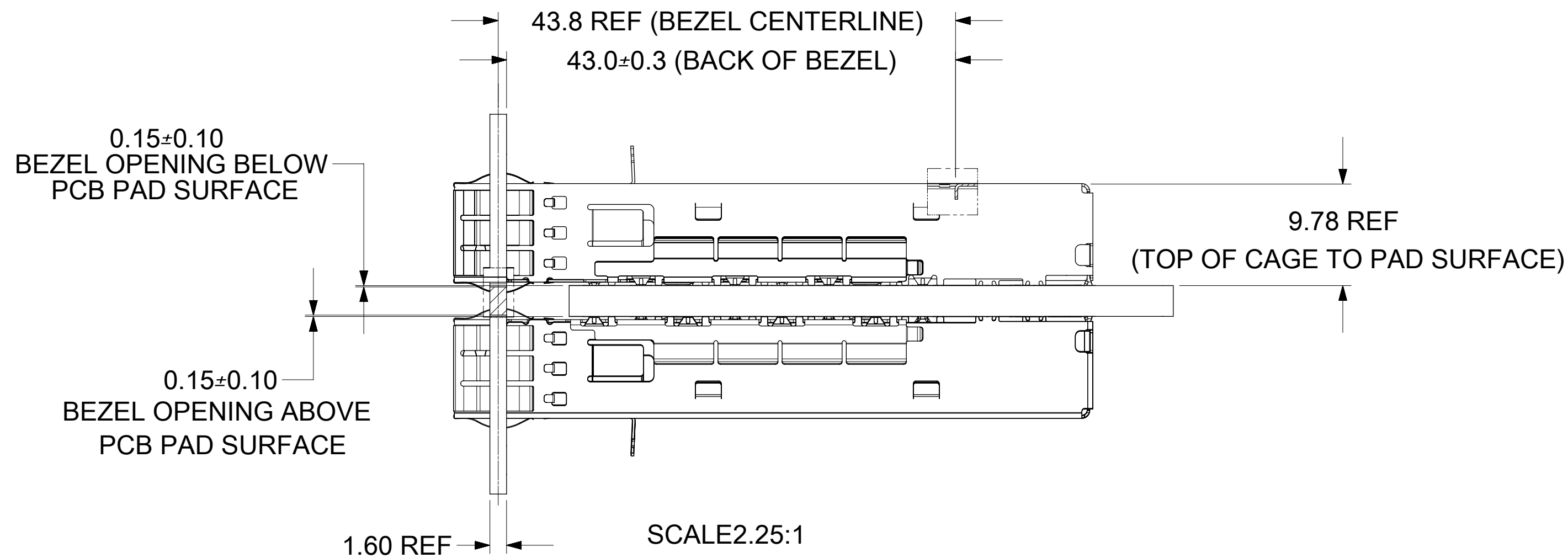


PARTIAL 6
SCALE 5:1

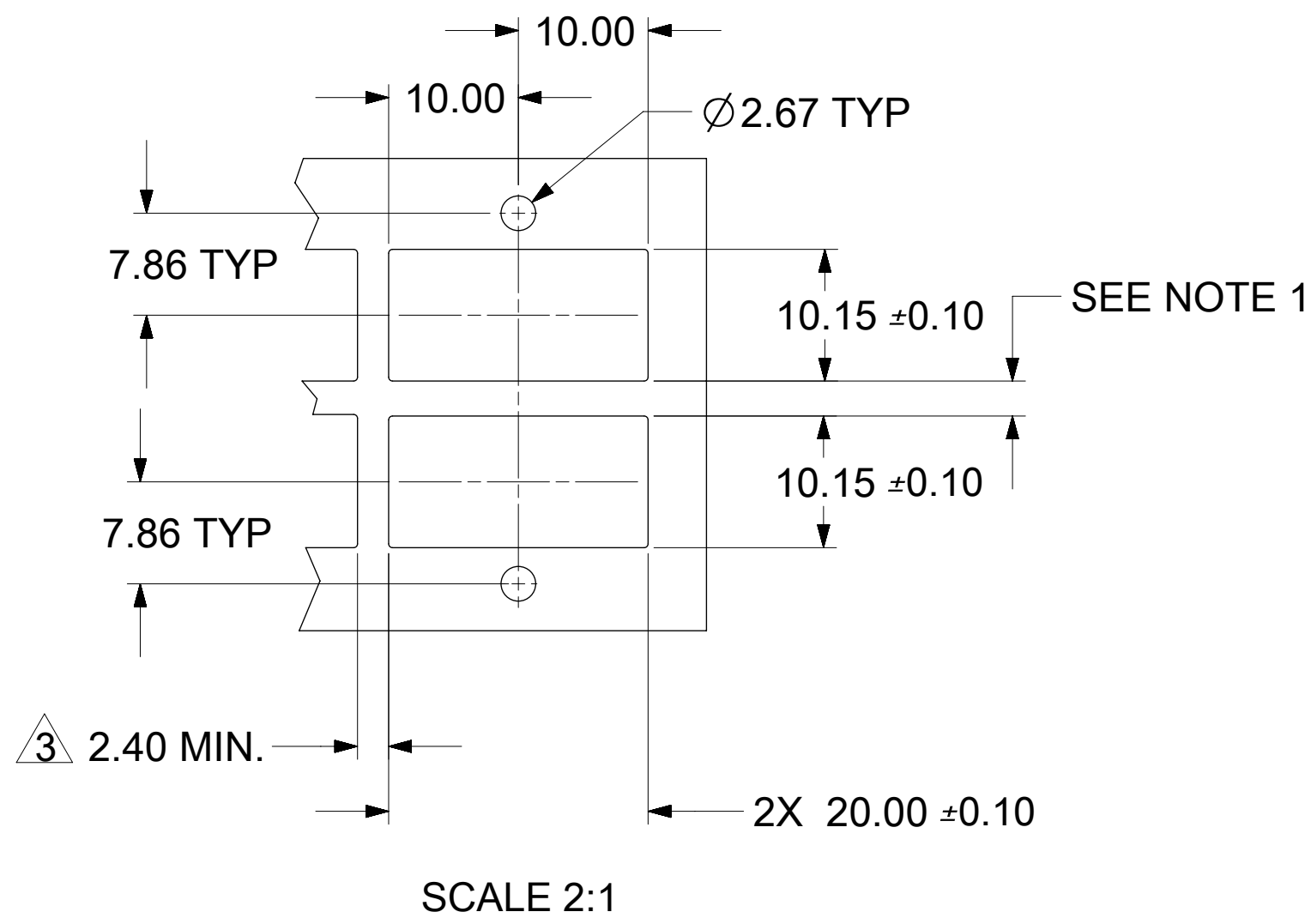
- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
</										

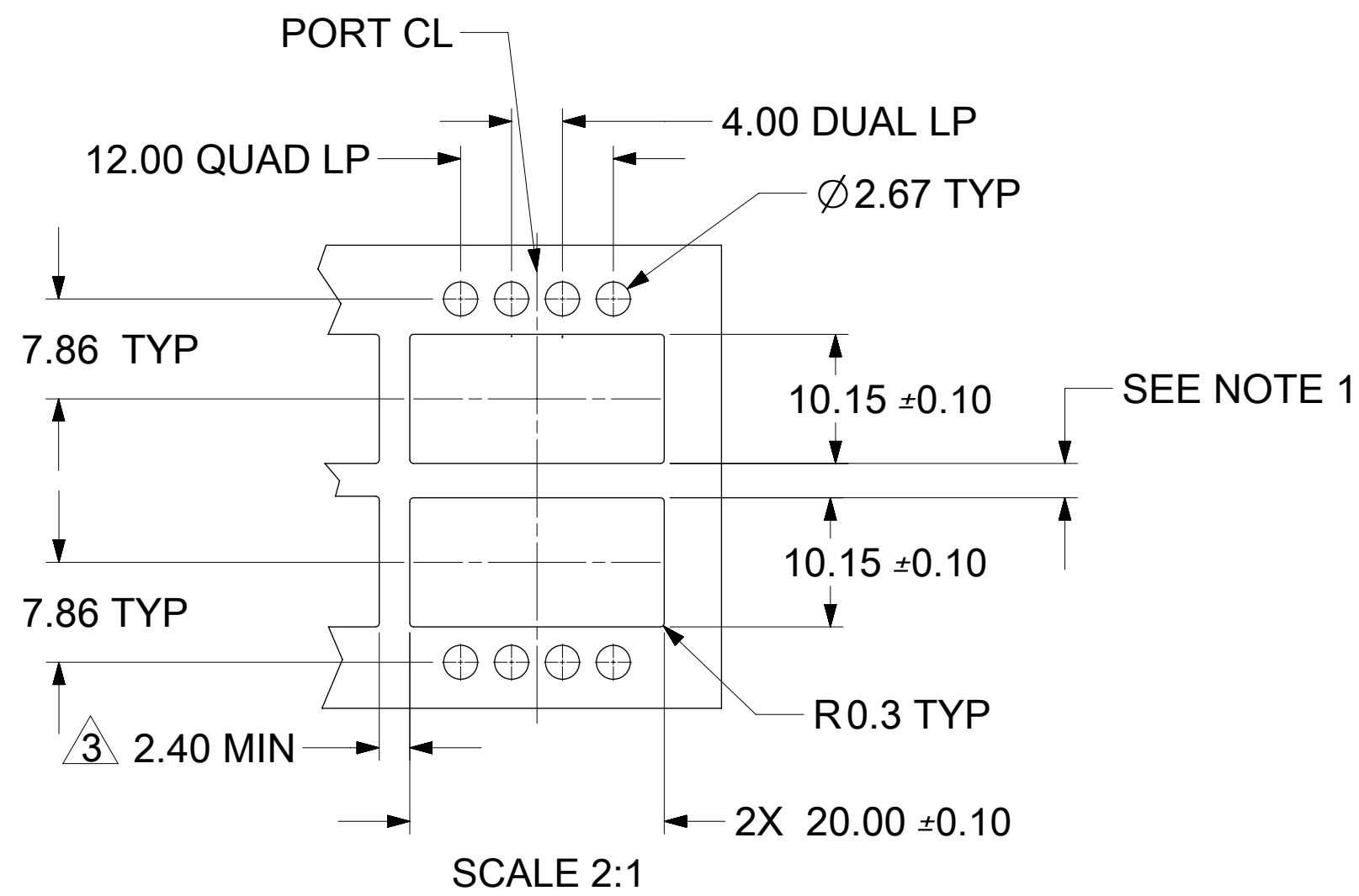
BEZEL AND BOARD POSITION DIMENSIONS
FOR BELLY TO BELLY MOUNTING



SINGLE LIGHT PIPE 2

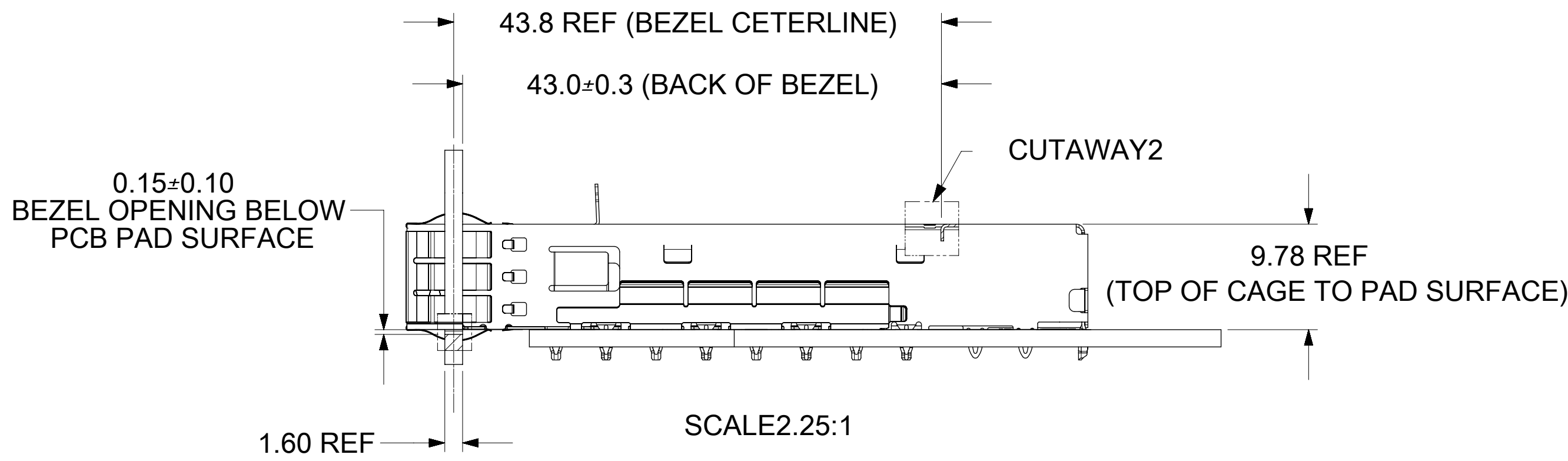


DUAL/QUAD LIGHT PIPE 2

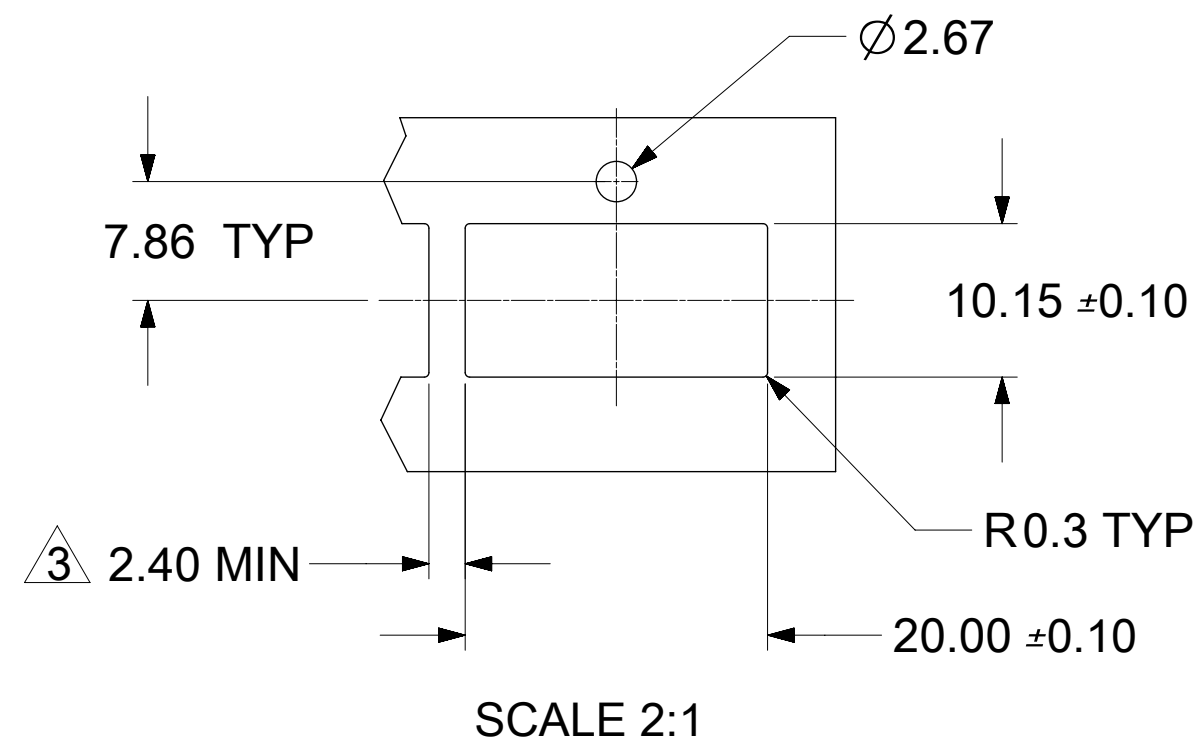


- NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 2. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.
 3. THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. (THIS DIMENSION VARIES BASED ON DISTANCE OF "HOLE OF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

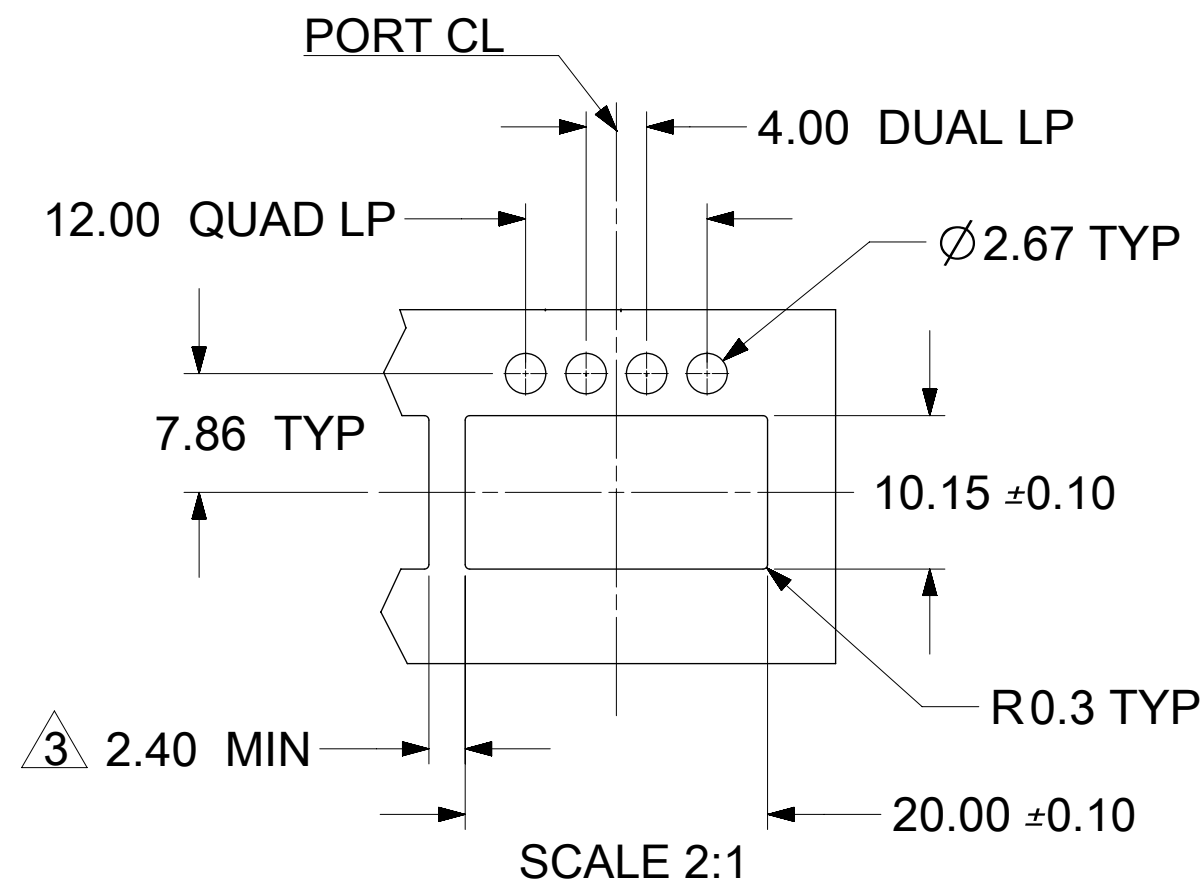
BEZEL AND BOARD POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



SINGLE LIGHT PIPE 2

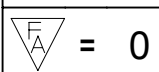
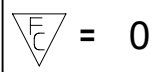
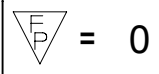
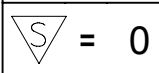
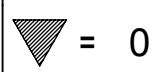
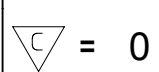
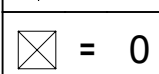
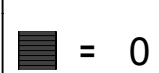
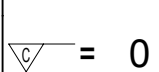
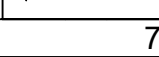
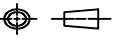


DUAL/QUAD LIGHT PIPE 2



SYMBOLS		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				molex ZQSFP+ 1X1 CAGE ASSY'S (SPRING FINGER) WITH H/S & L/P OPTIONS							
		mm		2.5:1		EC NO: 178204 DRWN: MKEMPEGOWDA 2018/05/24 CHK'D: TKUMARKC 2018/06/19 APPR: RCHEN08 2018/06/22											
		GENERAL TOLERANCES (UNLESS SPECIFIED)				INITIAL REVISION: DRWN: PGSHETTY 2015/10/21 APPR: RCHEN08 2015/11/16				PRODUCT CUSTOMER DRAWING							
		ANGULAR TOL ± 2.0°								DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		4 PLACES		±						1000141200		PSD		ASY		L	
		3 PLACES		±		THIRD ANGLE PROJECTION				SEE DRAWING		GENERAL MARKET		SHEET NUMBER 6 OF 8			
		2 PLACES		± 0.13													
		1 PLACE		± 0.25													
		0 PLACES		±		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER					
						D-SIZE		100014									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															

REV	DATE	DESCRIPTION
K	2017/09/26	SHEET 3: H6: ADDED LP TAB FEATURE OPTION ON P/N TABLE H9: ADDED NEW P/N 1000141256 IN THE P/N TABLE J9: INDICATED THE LP TAB FEATURE LOCATION
K1	2018/01/30	SHEET 6: J15: CORRECTED PRODUCT VIEW ERROR (COMPONENT APPEARANCE MISSED) J05: CORRECTED PRODUCT VIEW ERROR (COMPONENT APPEARANCE MISSED)
L	2018/05/24	SHEET 4: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION SHEET 5: ADDED PAD TO HOLES & UPDATED VIEWS TO AVOID CONFUSION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
 = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
 = 0	mm	1:1								
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 178204 DRWN: MKEMPEGOWDA 2018/05/24 CHK'D: TKUMARKC 2018/06/19 APPR: RCHEN08 2018/06/22							
 = 0	ANGULAR TOL	± 2.0 °								
 = 0	4 PLACES	±								
 = 0	3 PLACES	±	INITIAL REVISION: DRWN: PGSHETTY 2015/10/21 APPR: RCHEN08 2015/11/16							
 = 0	2 PLACES	± 0.13								
 = 0	1 PLACE	± 0.25								
 = 0	0 PLACES	±	DOCUMENT NUMBER 1000141200							
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOC TYPE DOC PART REVISION PSD ASY L							
= 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
= 0		D-SIZE	100014	SEE DRAWING	GENERAL MARKET	8 OF 8				

DOCUMENT STATUS	P1	RELEASE DATE	2018/06/22	09:32:12
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