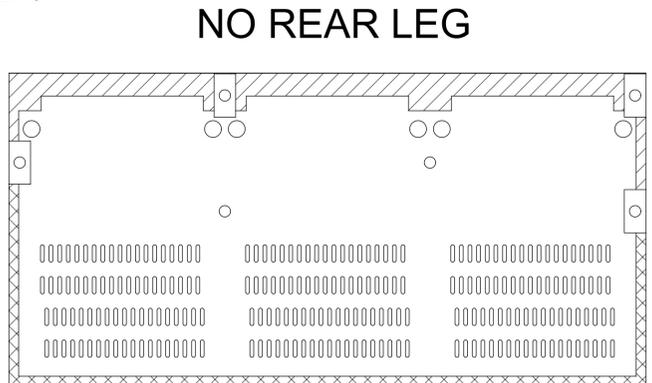
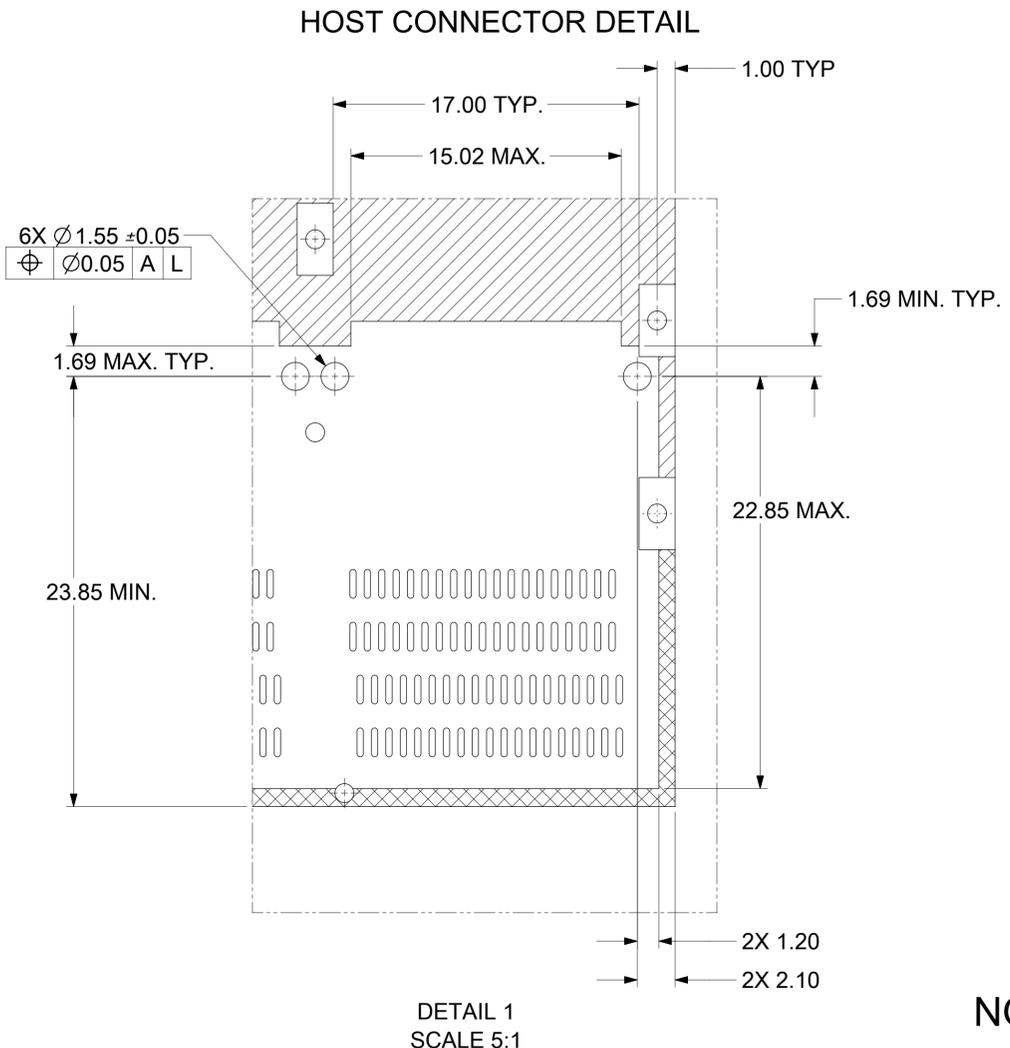
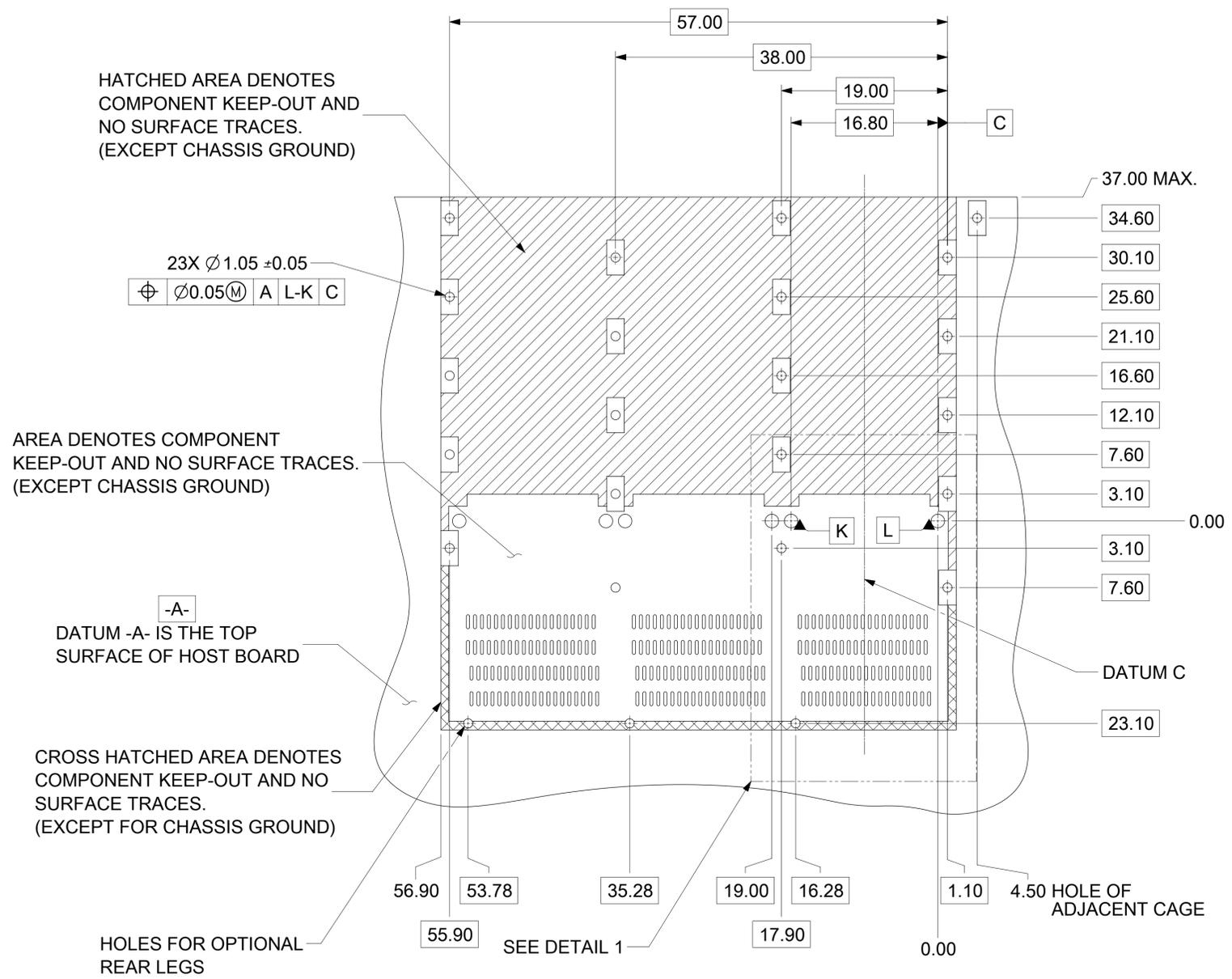


PCB LAYOUT FOR SINGLE SIDED MOUNTING



PARTIAL 1

- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER QSFP-DD MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 202718.

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	
	DIMENSION UNITS	SCALE		
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL ± 2.0°			
▽ = 0	4 PLACES	±	EC NO: 629406	
▽ = 0	3 PLACES	±	DRWN: JYEN01 2019/12/13	
▽ = 0	2 PLACES	± 0.13	CHK'D: SCHIEN 2019/12/20	
▽ = 0	1 PLACE	± 0.25	APPR: JCHIANG 2019/12/20	
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▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
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		D-SIZE		203369
DOCUMENT STATUS		P1	RELEASE DATE	2019/12/20 10:48:47
DOCUMENT NUMBER		DOC TYPE		DOC PART
2033691201		PSD		ASY
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE P/N TABLE		GENERAL MARKET		4 OF 7

molex

QSFP-DD 1X3 GANGED CAGE ASSY
SF WITH FIN H/S OPTIONS

PRODUCT CUSTOMER DRAWING

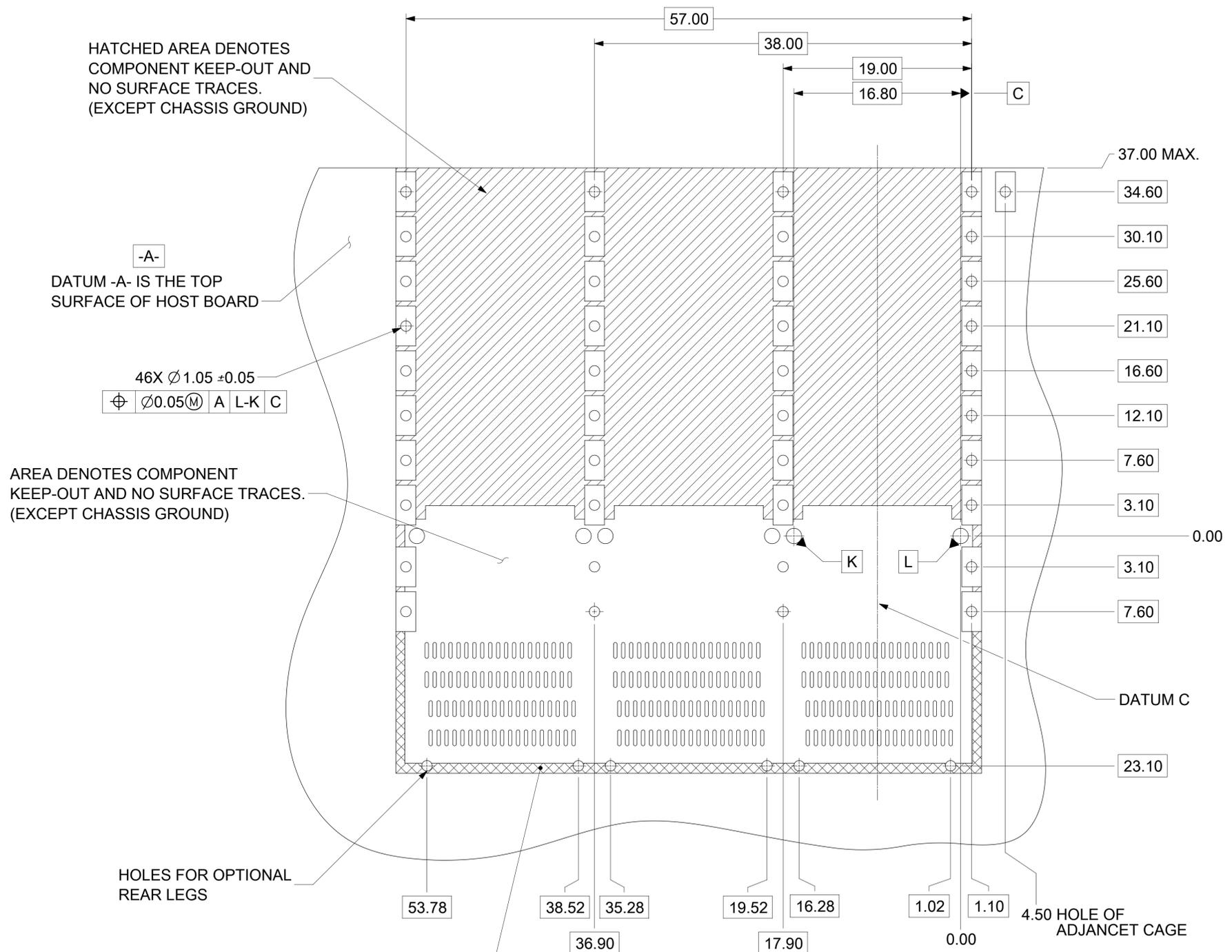
DOCUMENT NUMBER DOC TYPE DOC PART REVISION

2033691201 PSD ASY D3

MATERIAL NUMBER CUSTOMER SHEET NUMBER

SEE P/N TABLE GENERAL MARKET 4 OF 7

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



HATCHED AREA DENOTES COMPONENT KEEP-OUT AND NO SURFACE TRACES. (EXCEPT CHASSIS GROUND)

-A- DATUM -A- IS THE TOP SURFACE OF HOST BOARD

46X Ø1.05 ±0.05
 ⊕ Ø0.05(M) A L-K C

AREA DENOTES COMPONENT KEEP-OUT AND NO SURFACE TRACES. (EXCEPT CHASSIS GROUND)

HOLES FOR OPTIONAL REAR LEGS

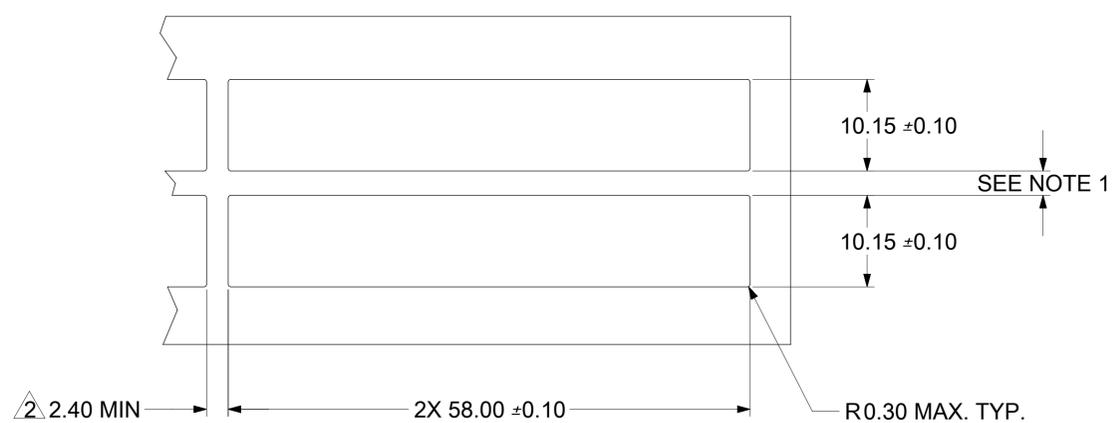
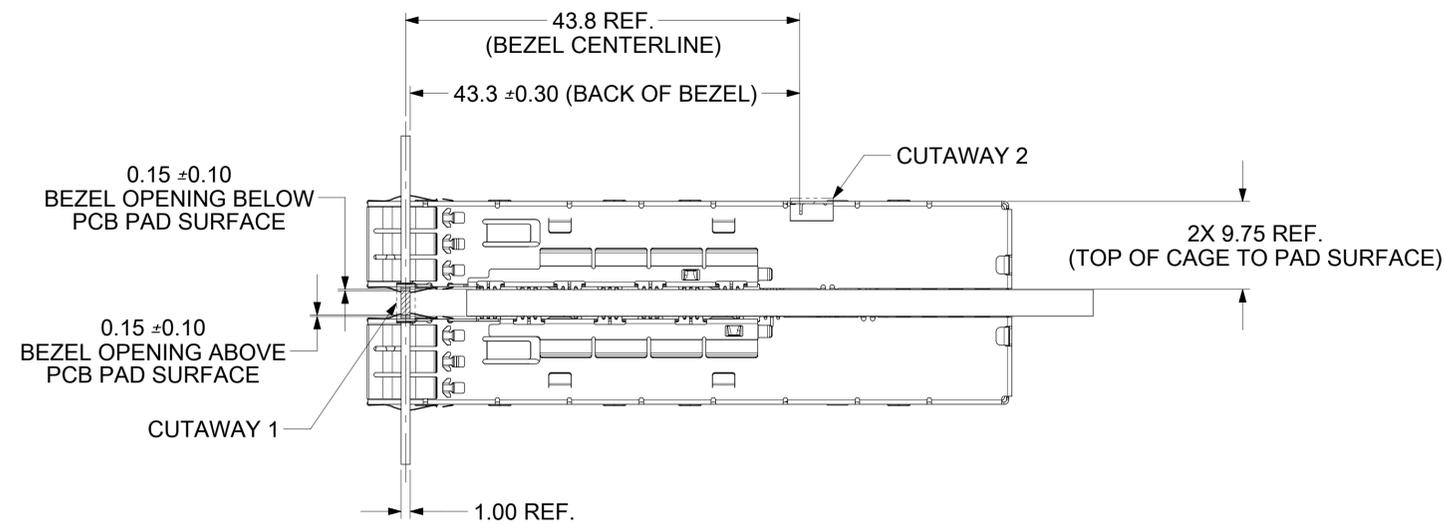
CROSS HATCHED AREA DENOTES COMPONENT KEEP-OUT AND NO SURFACE TRACES. (EXCEPT FOR CHASSIS GROUND)

- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00x4.00mm RECTANGLE.)
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER QSFP-DD WILL ACCOMODATE MOLEX CONNECTOR SERRIES 202718.

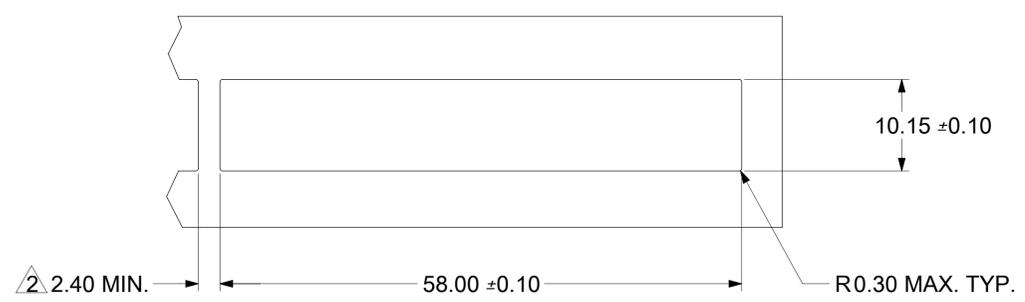
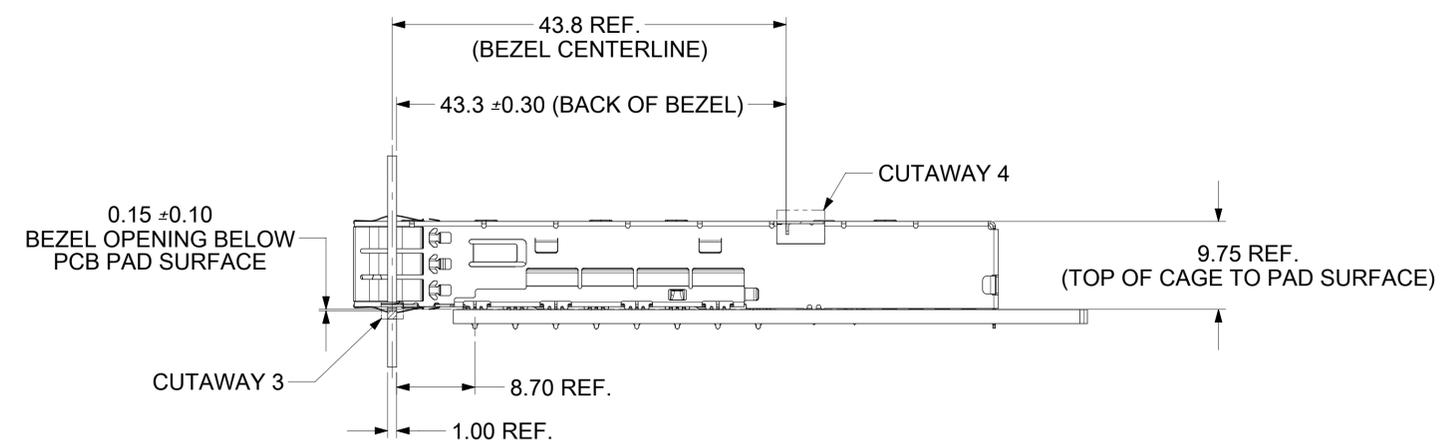
NOTE:
SEE SHEET 4 FOR HOST CONNECTOR DETAIL

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE					
▽ = 0		mm		3:1		<p>molex</p> <p>QSFP-DD 1X3 GANGED CAGE ASSY SF WITH FIN H/S OPTIONS</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: 2033691201 DOC TYPE: PSD DOC PART: ASY REVISION: D3</p> <p>MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 5 OF 7</p>					
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▽ = 0		ANGULAR TOL ± 2.0°									
▽ = 0		4 PLACES ±									
▽ = 0		3 PLACES ±									
▽ = 0		2 PLACES ± 0.13									
▽ = 0		1 PLACE ± 0.25				EC NO: 629406		DRWN: JYEN01 2019/12/13		CHK'D: SCHIEN 2019/12/20	
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▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
▽ = 0		D-SIZE		203369		SEE P/N TABLE		GENERAL MARKET		5 OF 7	

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



NOTE:
 1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.
 2. 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.)

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
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▽ = 0	ANGULAR TOL ± 2.0°		
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	± 0.13	DOCUMENT NUMBER 2033691201
▽ = 0	1 PLACE	± 0.25	
▽ = 0	0 PLACES	±	DOC PART ASY
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		REVISION D3
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	MATERIAL NUMBER SEE P/N TABLE
▽ = 0		SERIES D-SIZE 203369	CUSTOMER GENERAL MARKET
			SHEET NUMBER 6 OF 7

REV	DATE	DESCRIPTION
A	2017/07/25	INITIAL RELEASE
A1	2017/08/28	SHEET 3: G11: UPDATED OPEN TOP ISO VIEW.
B	2017/11/02	SHEET 4: H18: AS PER THE QSFP-DD MSA TO CORRECTED TP TOLERANCE FROM 0.1 TO 0.05mm. J09: AS PER THE QSFP-DD MSA TO ADDED TP TOLERANCE AS 0.05mm AND CHANGED 1.55REF. TO 1.55±0.05mm. SHEET 5: H18: AS PER THE QSFP-DD MSA TO CORRECTED TP TOLERANCE FROM 0.1 TO 0.05mm.
C	2018/03/21	SHEET 1: L17: ADDED DIMENSION 57.84 REF. SHEET 2: E03: ADDED A BACK VIEW. SHEET 4: J18: CHANGED "TYP." TO "23X" OF DIMENSION 1.05mm. K13: AS PER THE QSFP-DD MSA TO ADDED BASIC DIMENSION 16.80 AND DATUM C. J09: CHANGED "TYP." TO "6X" OF DIMENSION 1.55mm. SHEET 5: H18: CHANGED "TYP." TO "46X" OF DIMENSION 1.05mm. K12: AS PER THE QSFP-DD MSA TO ADDED BASIC DIMENSION 16.80 AND DATUM C.
D	2019/05/02	OPEN TOP SERIES PRODUCT RELLOCATED TO DRAWING NUMBER 2031692201. SHEET 4(F18) & SHEET 5(B17): UPDATE RECOMMEND PCB LAYOUT OF TRACE KEEP-OUT ZONE
D1	2019/07/09	SHEET 3: ADDED NEW P/NS(-2XXX, WITH RAISED BASE)
D2	2019/08/01	SHEET 3 : 5F : ADDED A COLUMN FOR TYPES OF HEAT SINK.
D3	2019/12/13	SHEET 6 : E3 & E13 : CHANGED R0.30 TYP. TO R0.30 MAX. TYP. SHEET 6 : J7 & H17 : CHANGED BEZEL THICKNESS FROM 1.60 REF. TO 1.00 REF. SHEET 6 : K6 & K16 : CHANGED FROM 43.0 TO 43.3 ±0.3 SHEET 6 : J7 : CHANGED FROM 8.40 REF. TO 8.70 REF.

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	1:1										
		GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 629406							QSFP-DD 1X3 GANGED CAGE ASSY SF WITH FIN H/S OPTIONS	
	= 0	ANGULAR TOL ± 2.0°			DRWN: JYEN01 2019/12/13								
		4 PLACES ±			CHK'D: SCHIEN 2019/12/20							PRODUCT CUSTOMER DRAWING	
	= 0	3 PLACES ±			APPR: JCHIANG 2019/12/20								
		2 PLACES ± 0.13			INITIAL REVISION:							DOCUMENT NUMBER 2033691201	
	= 0	1 PLACE ± 0.25			DRWN: MKEMPEGOWDA 2017/07/21								
		0 PLACES ±			APPR: RCHEN08 2017/08/15							DOC TYPE	DOC PART
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
= 0						D-SIZE	203369	SEE P/N TABLE	GENERAL MARKET	7 OF 7			