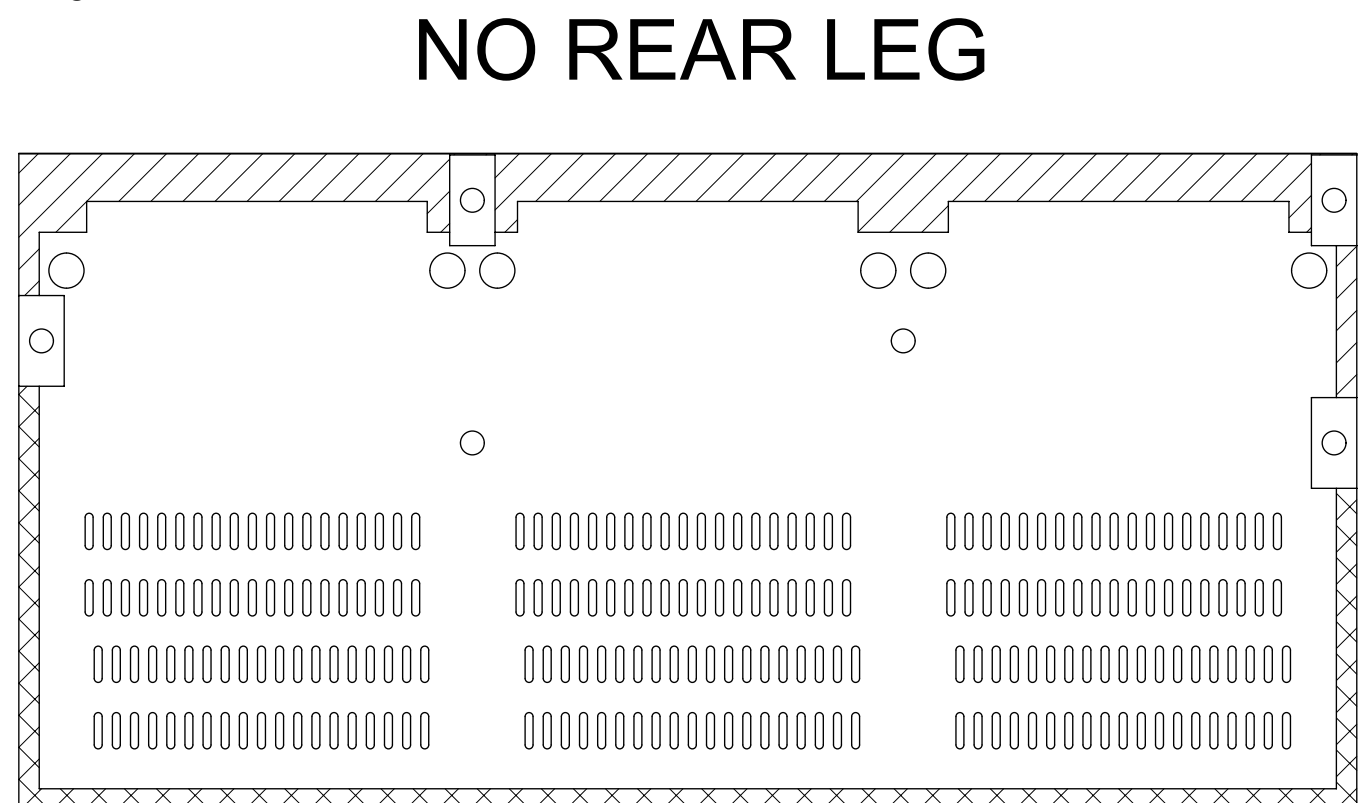
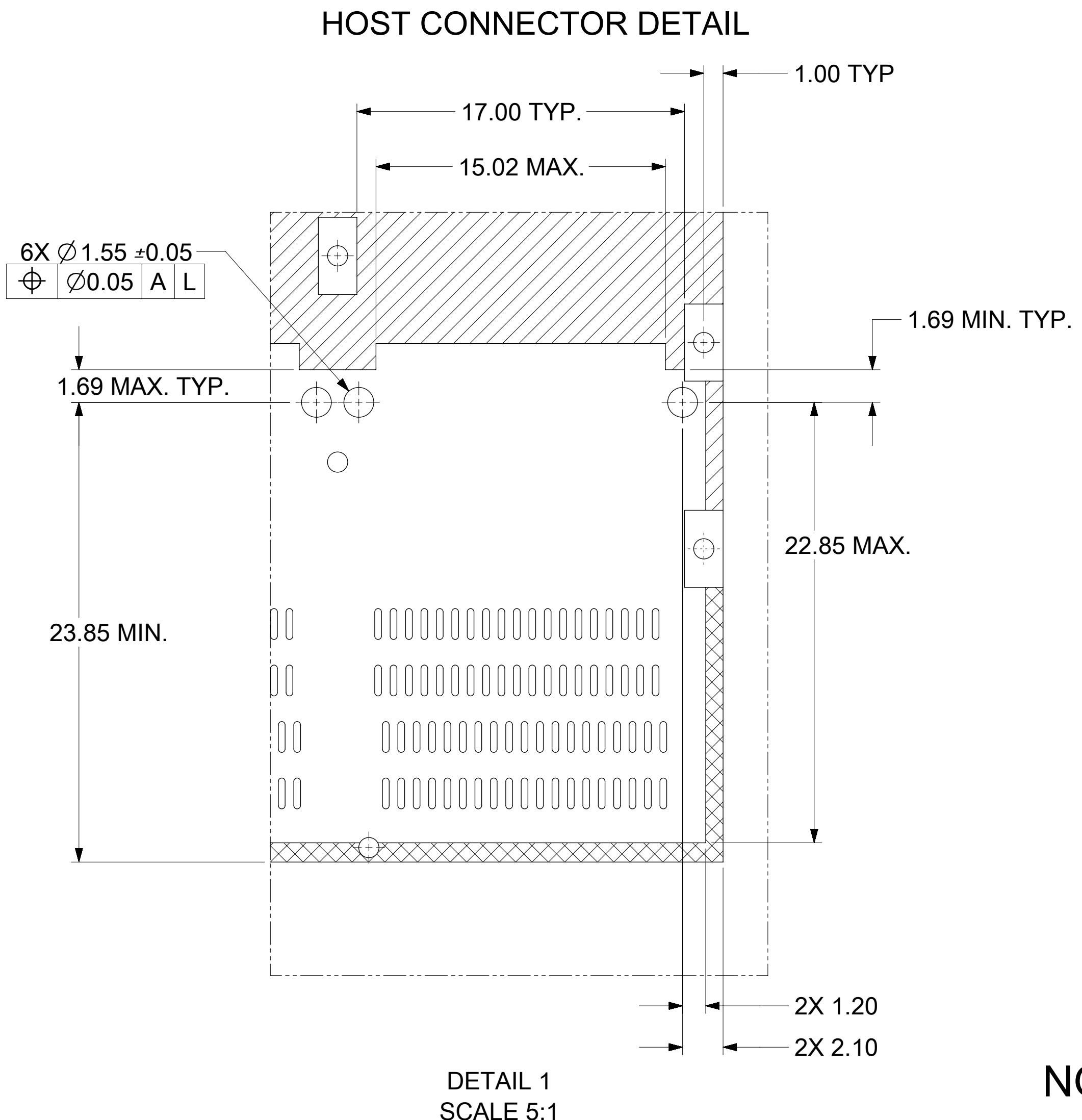
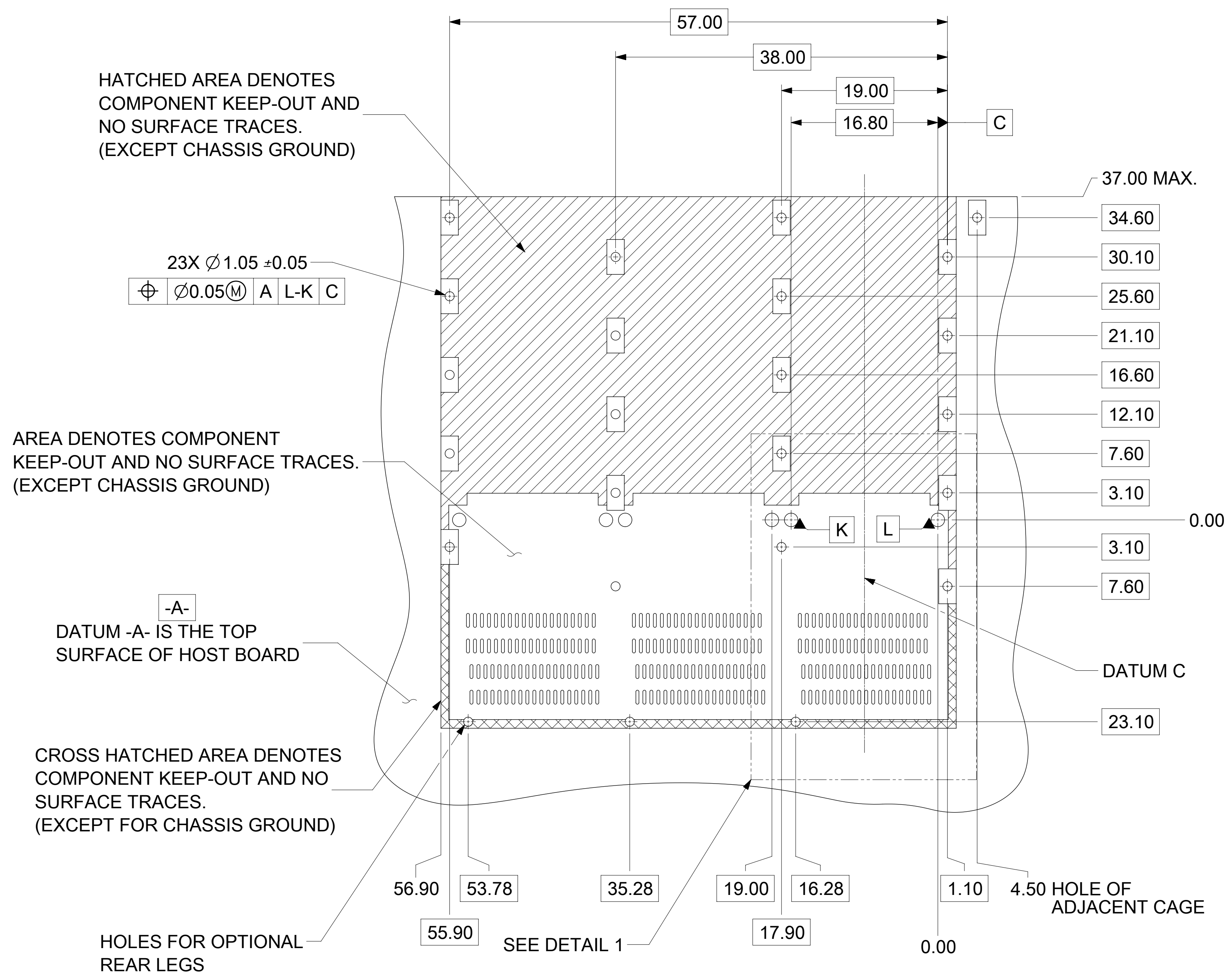


PCB LAYOUT FOR SINGLE SIDED MOUNTING



- 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		
▽ = 0	mm	3:1		
▽ = 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	
▽ = 0	0 PLACES	±	INITIAL REVISION:	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
▽ = 0			D-DRAWING	SERIES
		D-SIZE		203369
DOCUMENT STATUS		P1	RELEASE DATE	2019/12/20 10:48:47
DOCUMENT NUMBER		DOC TYPE		DOC PART
2033691201		PSD		ASD
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
SEE P/N TABLE		GENERAL MARKET		4 OF 7

molex

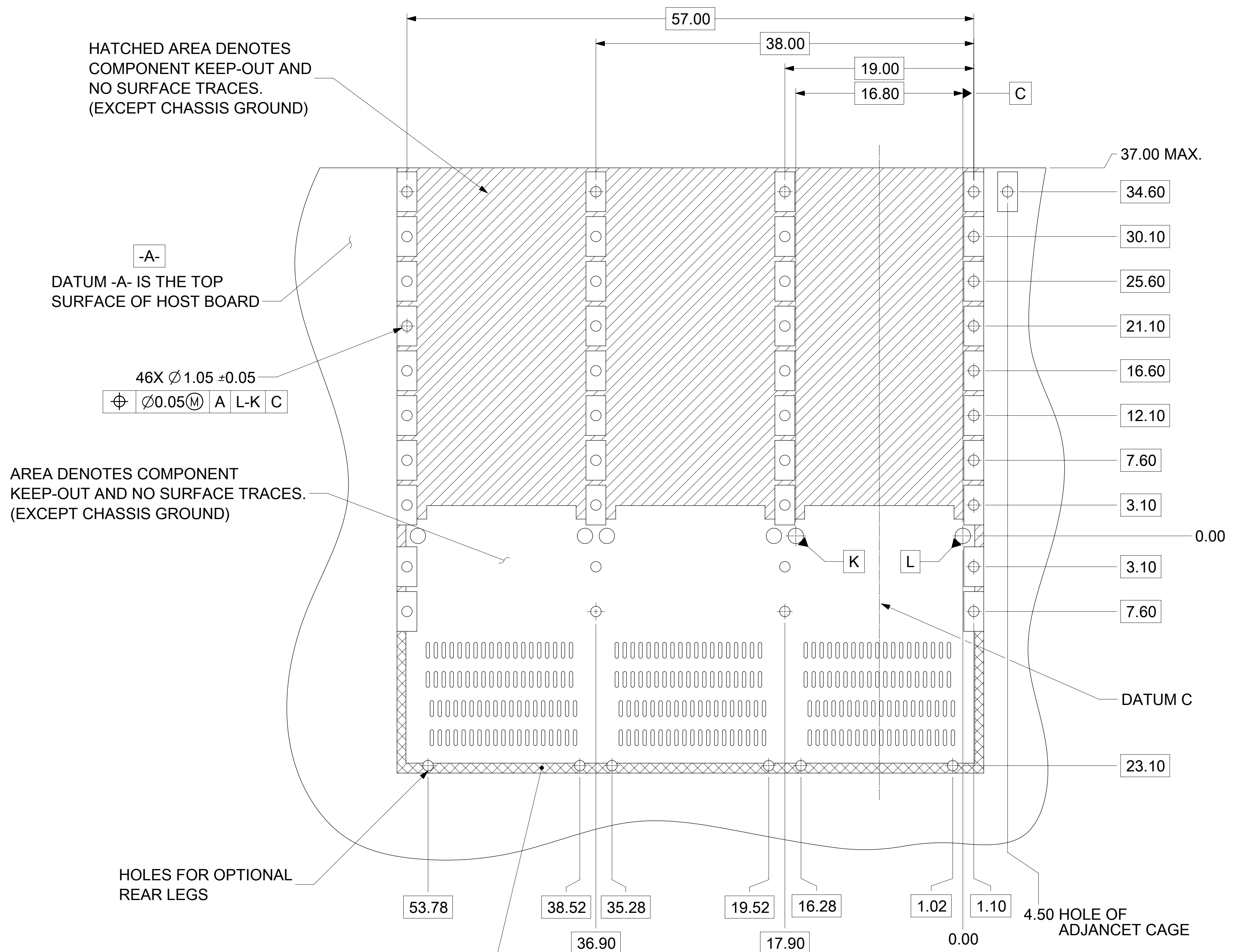
QSFP-DD 1X3 GANGED CAGE ASSY
SF WITH FIN H/S OPTIONS

PRODUCT CUSTOMER DRAWING

2033691201 PSD ASD D3

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			
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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	
▽ = 0		0 PLACES		±		INITIAL REVISION:			
▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES	
▽ = 0				D-SIZE		203369		MATERIAL NUMBER	
						SEE P/N TABLE		CUSTOMER	
						GENERAL MARKET		SHEET NUMBER	
						5 OF 7			

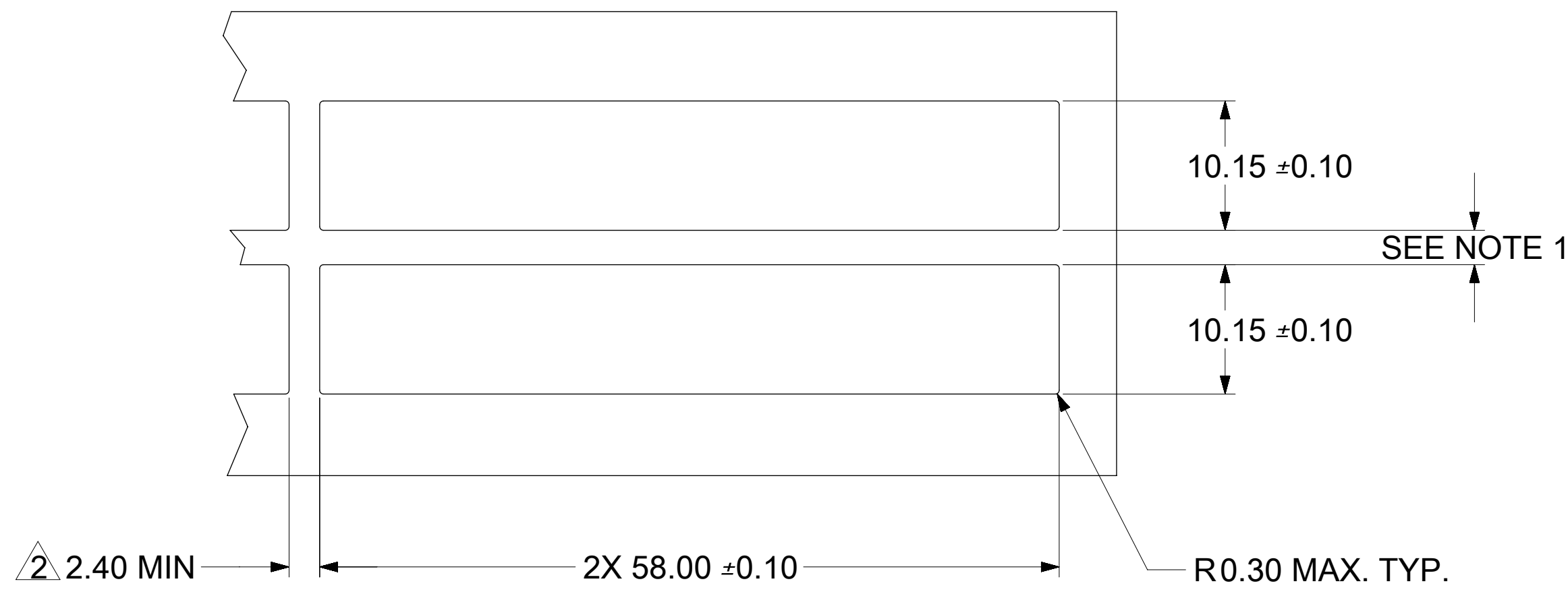
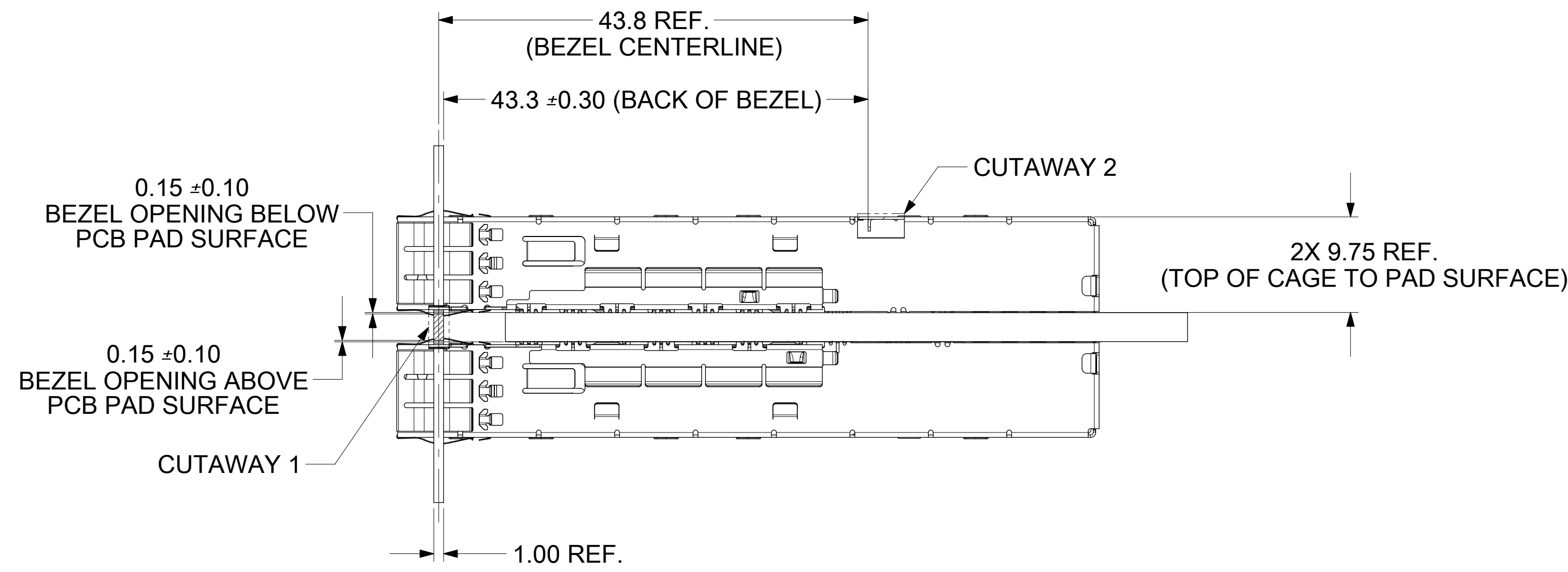
molex

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

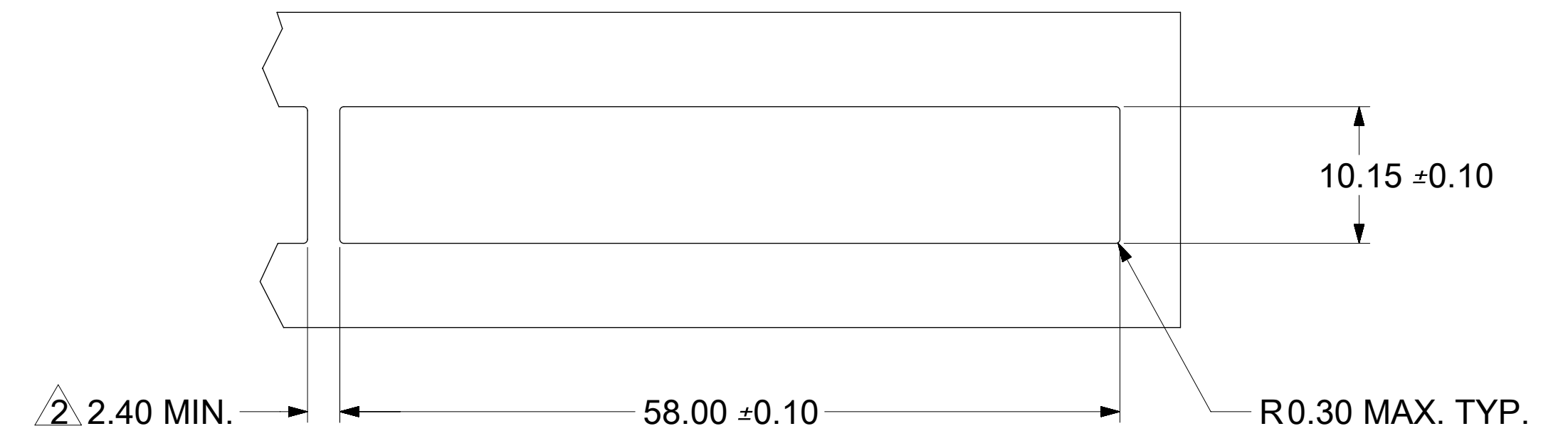
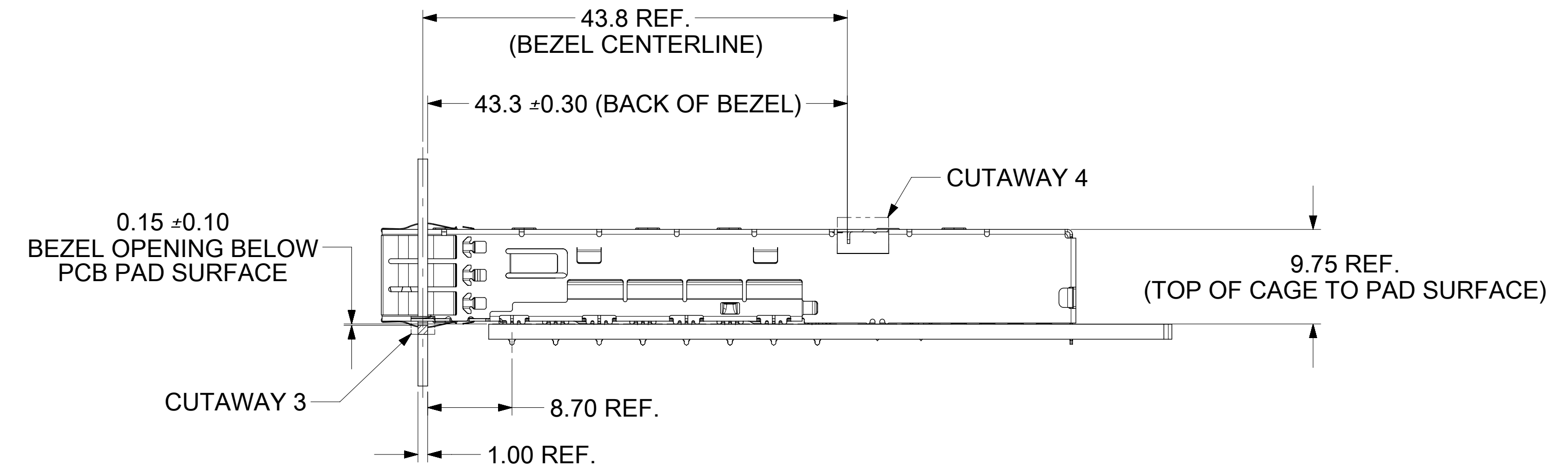
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2033691201	PSD	ASY	D3

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
▽ = 0	mm	2.5:1	EC NO: 629406 DRWN: JYEN01 2019/12/13 CHK'D: SCHIEN 2019/12/20 APPR: JCHIANG 2019/12/20 INITIAL REVISION: DRWN: MKEMPEGOWDA 2017/07/21 APPR: RCHEN08 2017/08/15
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 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		THIRD ANGLE PROJECTION
▽ = 0			DRAWING D-SIZE
		SERIES 203369	MATERIAL NUMBER SEE P/N TABLE
		CUSTOMER GENERAL MARKET	REVISION D3
		DOCUMENT NUMBER 2033691201	
		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
= 0	mm	1:1	<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: 7 OF 7</p>
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 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	THIRD ANGLE PROJECTION	DRAWING	
		D-SIZE	203369