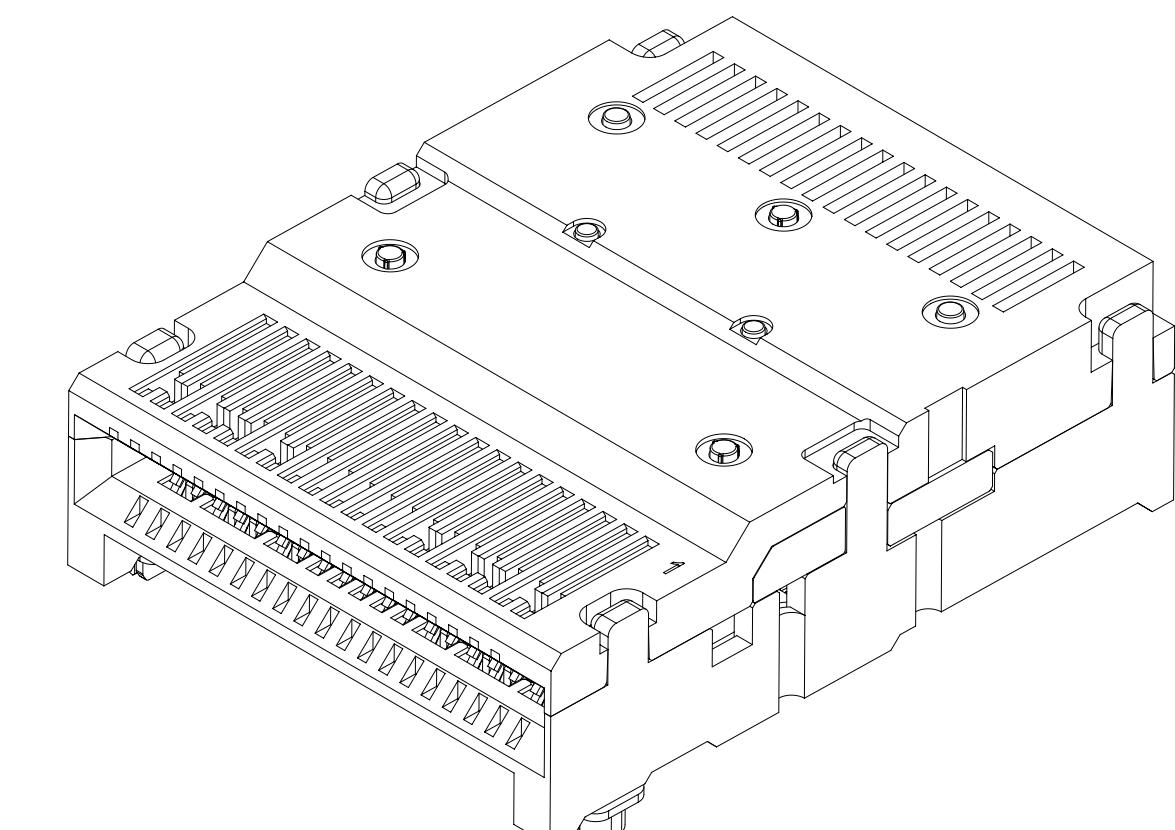
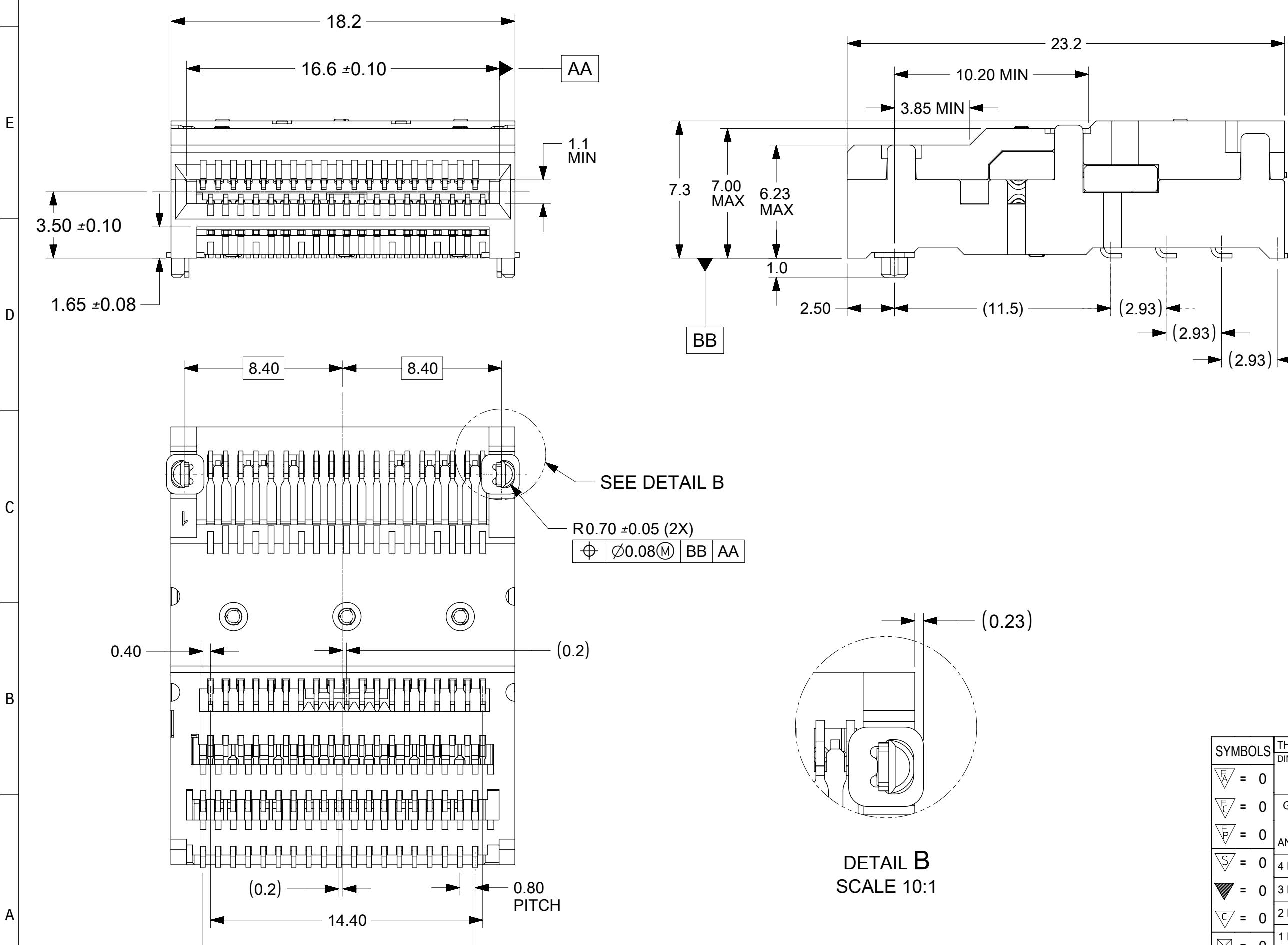


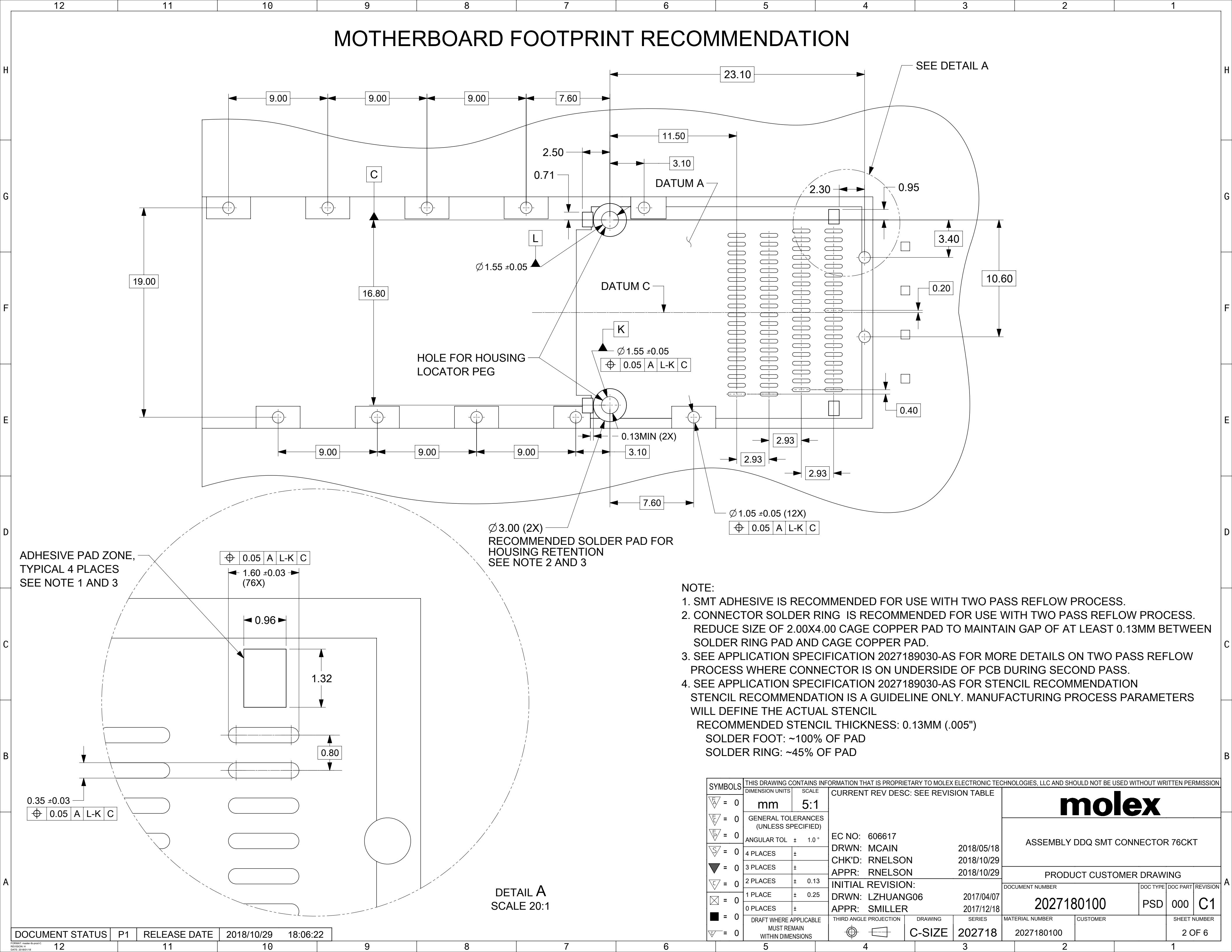
NOTES

1. MATERIAL:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED. UL 94V-0. BLACK.
TERMINALS - COPPER ALLOY
SOLDER RING / NAIL: NICKEL SILVER
2. PLATING:
CONTACT AREA - 0.76um MIN GOLD OVER 2.54um MIN NICKEL
SOLDER AREA - 2.54um MIN TIN OVER 2.54um MAX NICKEL
3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10/.004 MEASURED FROM
FRONT HOUSING STAND OFF (DATUM -BB-)
4. DATE CODE: 4 DIGIT (3 DIGIT DATE, 1 DIGIT YEAR)
5. CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR
LOCATION OF PIN 1
6. PACKAGED PER PACKING SPECIFICATION: 2027188000
7. CONFORMS TO PRODUCT SPECIFICATION: 2027189010-PS
8. APPLICATION SPECIFICATION: 2027189030-AS
9. THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002



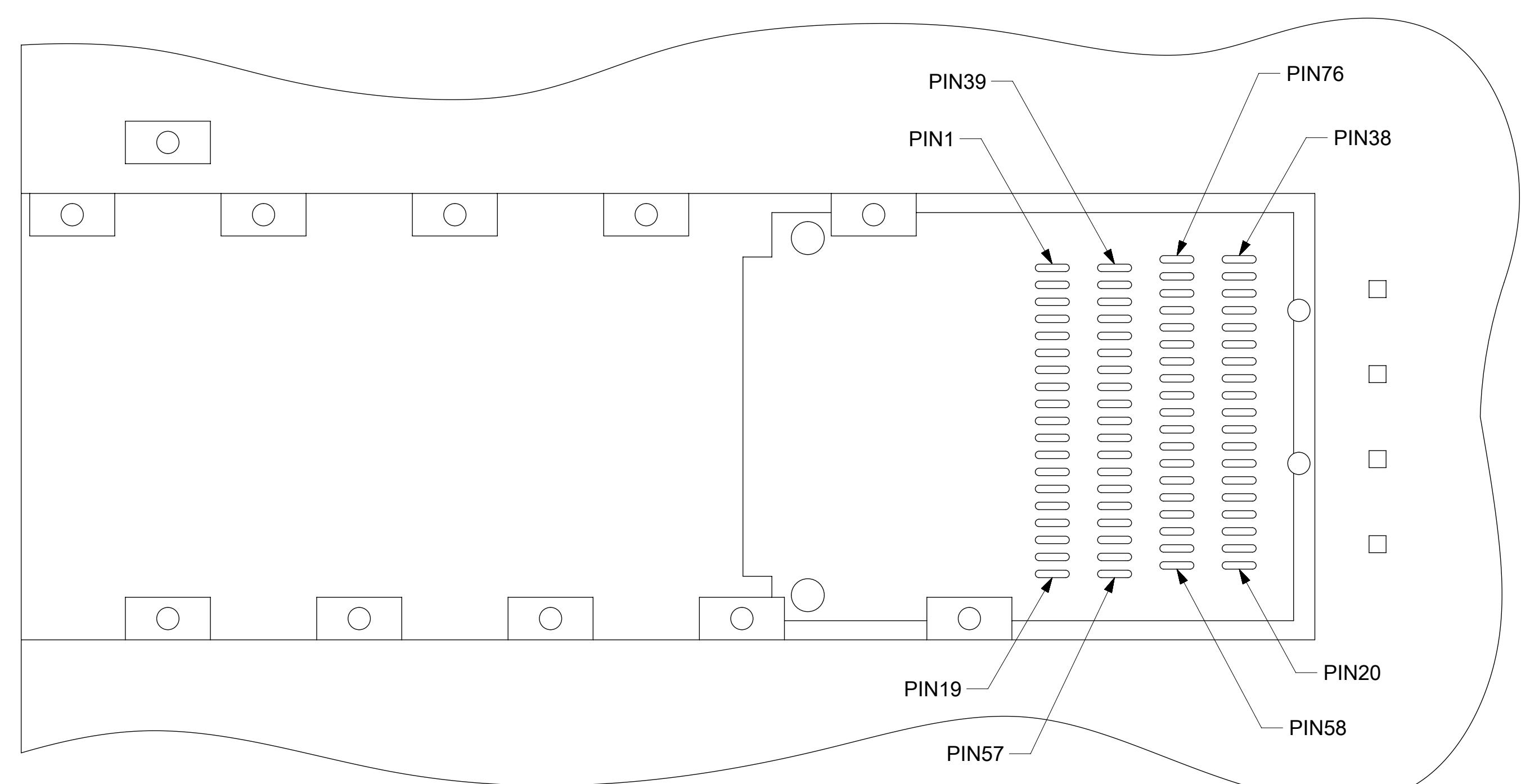
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
	DIMENSION UNITS		SCALE	CURRENT REV DESC: SEE REVISION TABLE					
	mm	5:1							
	 = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)						
	 = 0		ANGULAR TOL \pm 1.0°		EC NO: 606617		ASSEMBLY DDQ SMT CONNECTOR 76CKT		
	 = 0				DRWN: MCAIN 2018/05/18				
	 = 0		4 PLACES \pm		CHK'D: RNELSON 2018/10/29		PRODUCT CUSTOMER DRAWING		
	 = 0		3 PLACES \pm		APPR: RNELSON 2018/10/29				
	 = 0		2 PLACES \pm 0.13		INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART
 = 0		1 PLACE \pm 0.25		DRWN: LZHUANG06 2017/04/07		2027180100	PSD	000	C1
 = 0		0 PLACES \pm		APPR: SMILLER 2017/12/18					
DRAFT WHERE APPLICABLE MUST REMAIN			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
					2027180100			1 OF 6	

MOTHERBOARD FOOTPRINT RECOMMENDATION



PIN OUT TABLE

PIN #	Symbol	Description	Notes
1	GND	Ground	
2	TX2n	Transmitter Inverted Data Input	
3	TX2p	Transmitter Non-Inverted Data Input	
4	GND	Ground	
5	TX4n	Transmitter Inverted Data Input	
6	TX4p	Transmitter Non-Inverted Data Input	
7	GND	Ground	
8	ModSelL	Module Select	
9	ResetL	Module Reset	
10	VCC RX	+3.3V Power Supply Receiver	
11	SCL	2-wire serial interface clock	
12	SDA	2-wire serial interface data	
13	GND	Ground	
14	RX3p	Receiver Non-Inverted Data Output	
15	RX3n	Receiver Inverted Data Output	
16	GND	Ground	
17	RX1p	Receiver Non-Inverted Data Output	
18	RX1n	Receiver Inverted Data Output	
19	GND	Ground	
20	GND	Ground	
21	RX2n	Receiver Inverted Data Output	
22	RX2p	Receiver Non-Inverted Data Output	
23	GND	Ground	
24	RX4n	Receiver Inverted Data Output	
25	RX4p	Receiver Non-Inverted Data Output	
26	GND	Ground	
27	ModPrsL	Module Present	
28	IntL	Interrupt	
29	VCC TX	+3.3V Power supply transmitter	
30	VCC1	+3.3V Power supply	
31	LPMode	Low Power Mode	
32	GND	Ground	
33	TX3p	Transmitter Non-Inverted Data Input	
34	TX3n	Transmitter Inverted Data Input	
35	GND	Ground	
36	TX1p	Transmitter Non-Inverted Data Input	
37	TX1n	Transmitter Inverted Data Input	
38	GND	Ground	
39	GND	Ground	
40	TX6n	Transmitter Inverted Data Input	
41	TX6p	Transmitter Non-Inverted Data Input	
42	GND	Ground	
43	TX8n	Transmitter Inverted Data Input	
44	TX8p	Transmitter Non-Inverted Data Input	
45	GND	Ground	
46	TBD	For future use	
47	TBD	For future use	
48	VCC	+3.3V Power supply	
49	TBD	For future use	
50	TBD	For future use	
51	GND	Ground	
52	RX7p	Receiver Non-Inverted Data Output	
53	RX7n	Receiver Inverted Data Output	
54	GND	Ground	
55	RX5p	Receiver Non-Inverted Data Output	
56	RX5n	Receiver Inverted Data Output	
57	GND	Ground	
58	GND	Ground	
59	RX6n	Receiver Inverted Data Output	
60	RX6p	Receiver Non-Inverted Data Output	
61	GND	Ground	
62	RX8n	Receiver Inverted Data Output	
63	RX8p	Receiver Non-Inverted Data Output	
64	GND	Ground	
65	NC	No Connect	
66	TBD	For future use	
67	VCC	+3.3V Power supply	
68	VCC	+3.3V Power supply	
69	TBD	For future use	
70	GND	Ground	
71	TX7p	Transmitter Non-Inverted Data Input	
72	TX7n	Transmitter Inverted Data Input	
73	GND	Ground	
74	TX5p	Transmitter Non-Inverted Data Input	
75	TX5n	Transmitter Inverted Data Input	
76	GND	Ground	



Notes:

* Reference only.

** Please align QSFP-DD MSA for pin mapping

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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$\triangle = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\triangle = 0$	ANGULAR TOL $\pm 1.0^\circ$		
$\square = 0$	4 PLACES	\pm	
$\square = 0$	3 PLACES	\pm	
$\square = 0$	2 PLACES	± 0.13	
$\square = 0$	1 PLACE	± 0.25	
$\square = 0$	0 PLACES	\pm	
$\blacksquare = 0$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
$\square = 0$	THIRD ANGLE PROJECTION	DRAWING	SERIES
			C-SIZE
	2027180100	PSD	000 C1
	2027180100	CUSTOMER	SHEET NUMBER
	2027180100		3 OF 6

molex

ASSEMBLY DDQ SMT CONNECTOR 76CKT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

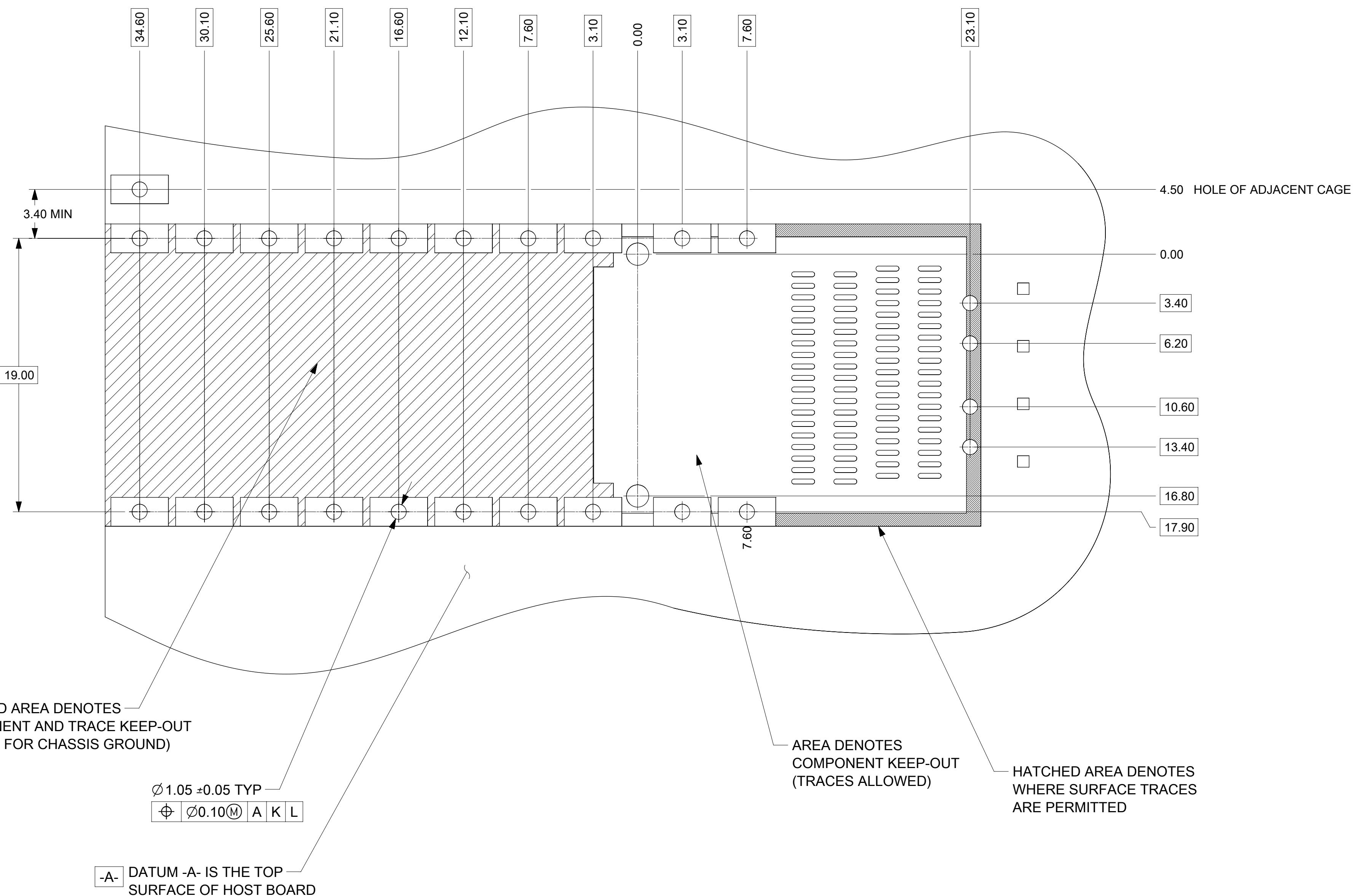
2027180100

DOC TYPE

PSD

000 C1

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

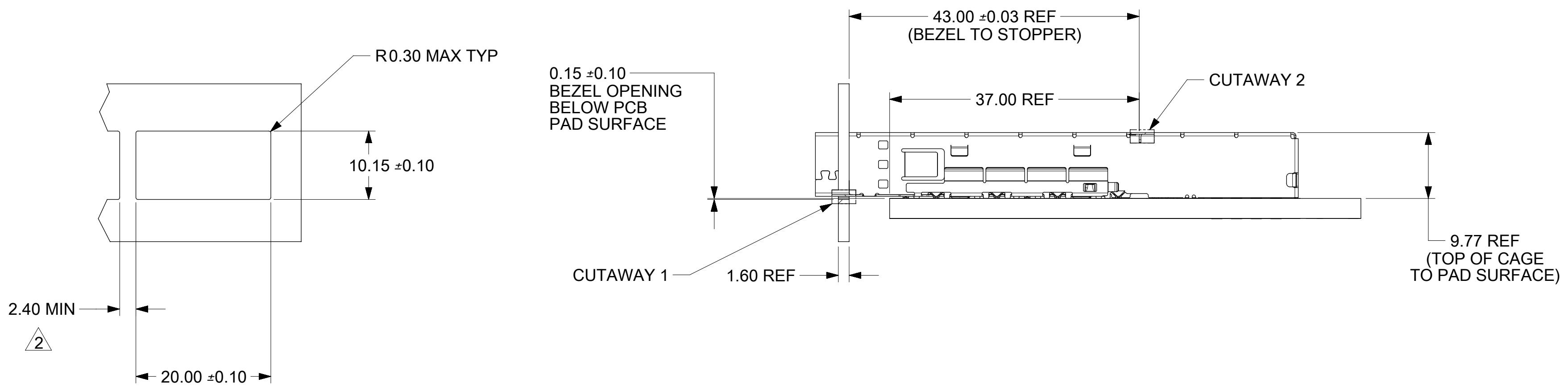


NOTES:

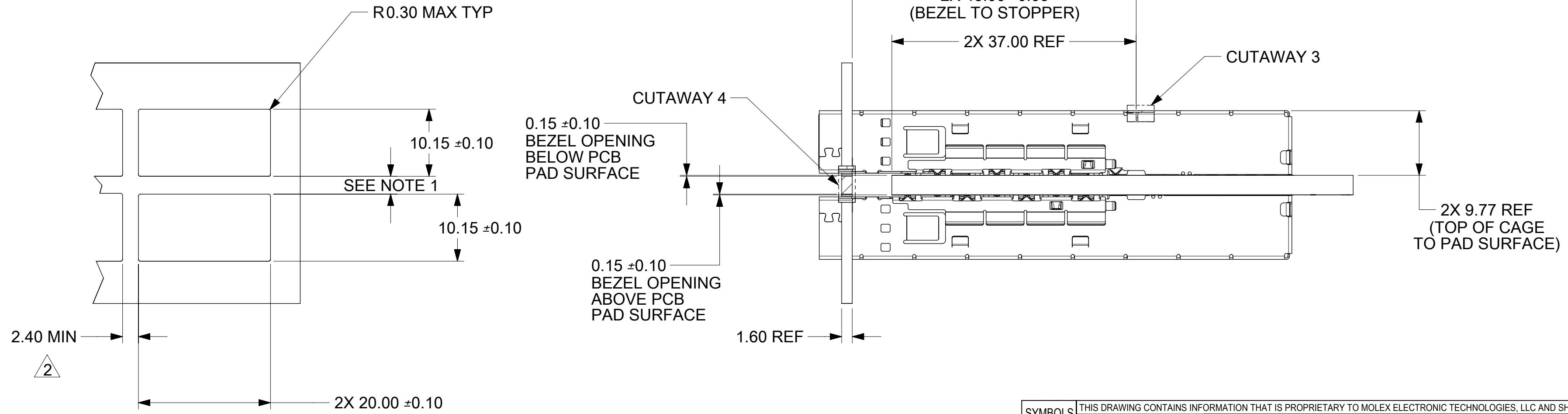
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00X4.00MM).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER DDO MSA WILL ACCOMMODATE MOLEX CONNECTOR 2032180100.

SYMBOLS  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0	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	
	mm	5:1	EC NO: 606617 DRWN: MCAIN 2018/05/18 CHK'D: RNELSON 2018/10/29 APPR: RNELSON 2018/10/29 INITIAL REVISION: DRWN: LZHUANG06 2017/04/07 APPR: SMILLER 2017/12/18	
	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL \pm 1.0°			
	4 PLACES	\pm		
	3 PLACES	\pm		
	2 PLACES	\pm 0.13		
	1 PLACE	\pm 0.25		
0 PLACES	\pm			
DRAFT WHERE APPLICABLE MUST REMAIN				
 THIRD ANGLE PROJECTION		DRAWING	SERIES	
		 C SIZE	2027180100	
		MATERIAL NUMBER	CUSTOMER	
		2027180100		
		SHEET NUMBER		4 OF 6

BEZEL AND BOARD POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS
FOR BELLY TO BELLY MOUNTING



NOTES:

1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.
- △ THIS DIMENSION IS FOR REFERENCE ONLY, USER CAN MODIFY DEPENDING ON APPLICATION, OPENING FOR ADJACENT CAGE ON PCB LAYOUT VARIES BASED ON MODIFICATION.

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 ± 1.0°						
△ = 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	DRAWING	SERIES
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EC NO: 606617 DRWN: MCAIN CHK'D: RNELSON APPR: RNELSON				2018/05/18 2018/10/29 2018/10/29			
INITIAL REVISION: DRWN: LZHUANG06 APPR: SMILLER				2017/04/07 2017/12/18			
ASSEMBLY DDQ SMT CONNECTOR 76CKT							
PRODUCT CUSTOMER DRAWING							
DOCUMENT NUMBER				2027180100			
DOC TYPE				PSD			
DOC PART				000			
REVISION				C1			
MATERIAL NUMBER				CUSTOMER			
SHEET NUMBER				5 OF 6			

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