



VCO R3238SMUA8_180

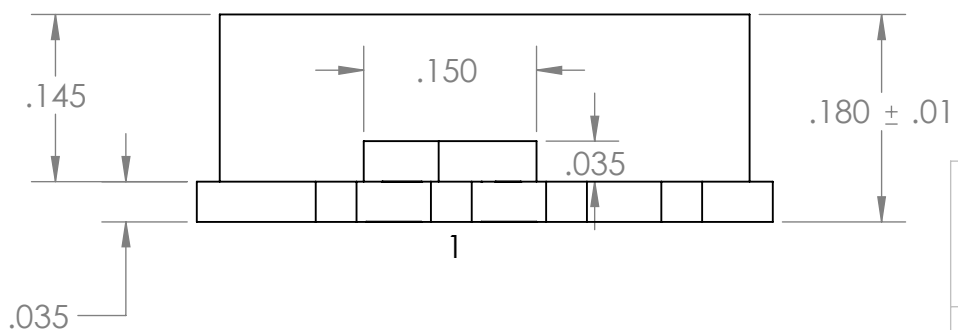
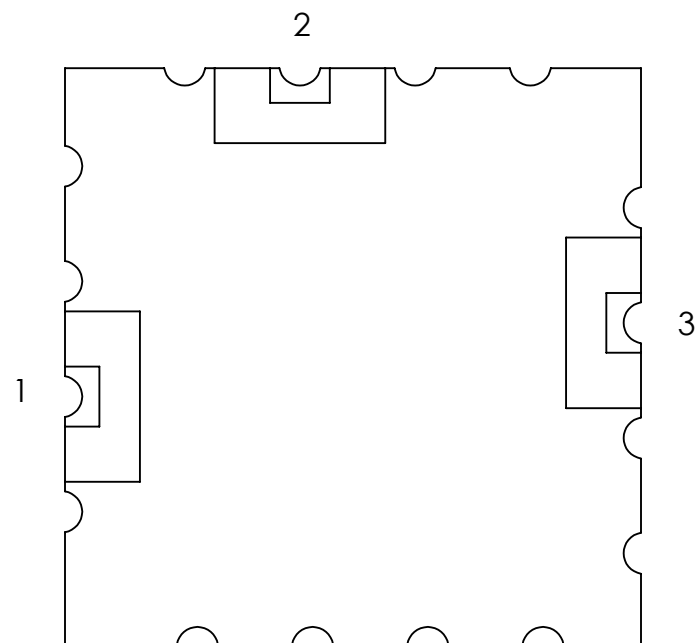
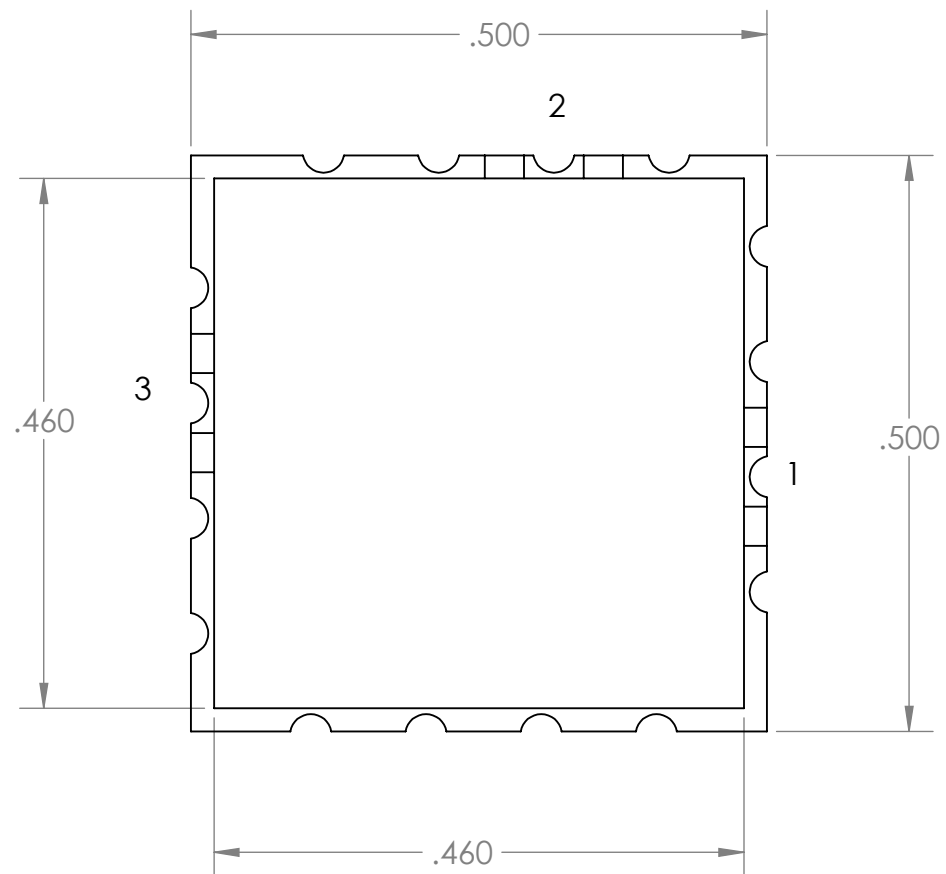
rev_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	Production <u>Test</u>	First Article <u>Test</u>
FrequencyRange	3200		3800	MHz	1	..	..
TuningVoltage	0.2		13.8	V	1	..	..
ModulationSensitivity		52		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2	0	3	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-67	-61	dBc/Hz	1	..	..
10 KHz Offset		-97	-92	dBc/Hz	1	..	..
100 KHz Offset		-118	-113	dBc/Hz	1	..	..
1 MHz Offset		-138	-133	dBc/Hz	1	..	..
10 MHz Offset		-158	-153	dBc/Hz	1	..	..
Pushing		2	3	MHz/V	3	..	..
Pulling (12dB RL, any phase)		2	3	MHz _{p-p}	3	..	..
ModulationBandwidth		5		MHz	4	..	..
Tuning Port Capacitance		20		pF	2	..	..
Harmonics		-13	-10	dBc	3	..	..
Vcc		8		V		..	..
Icc		30	33	mA	1	..	..
OperatingTemperature	-40		+85	C	3	..	..
Package		SMUA			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.180		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS Compliant

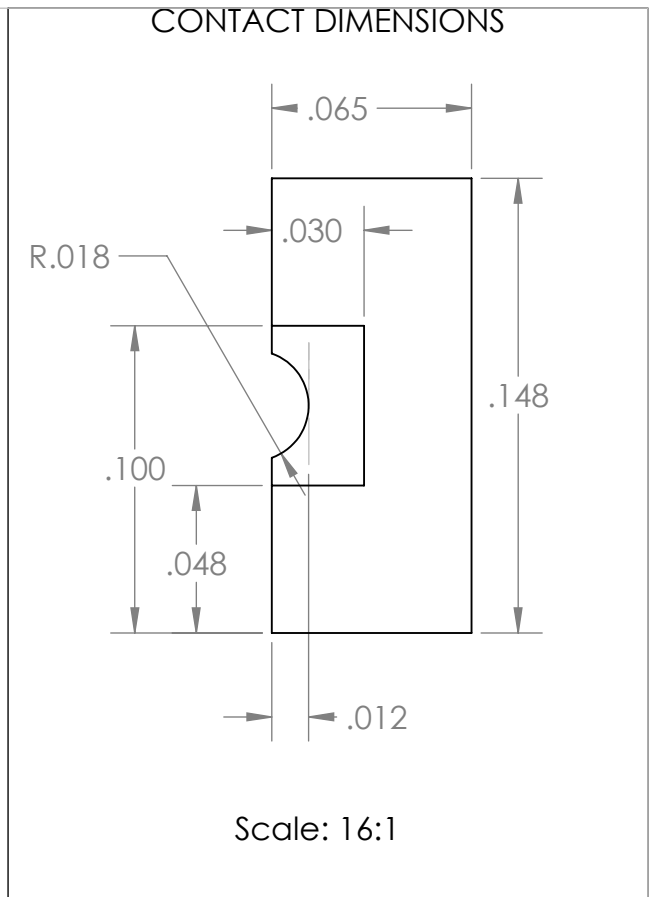
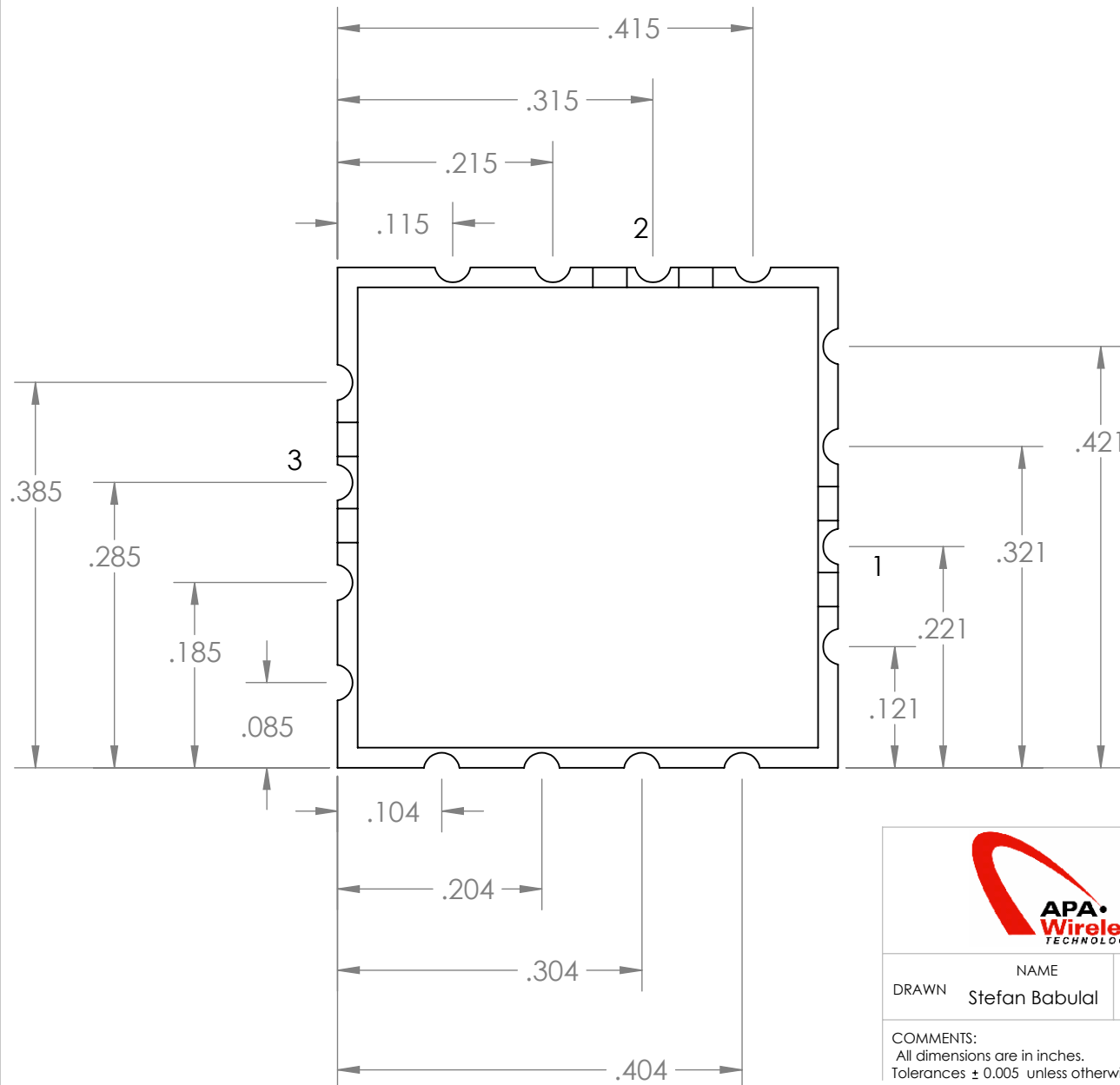


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 1 OF 2	

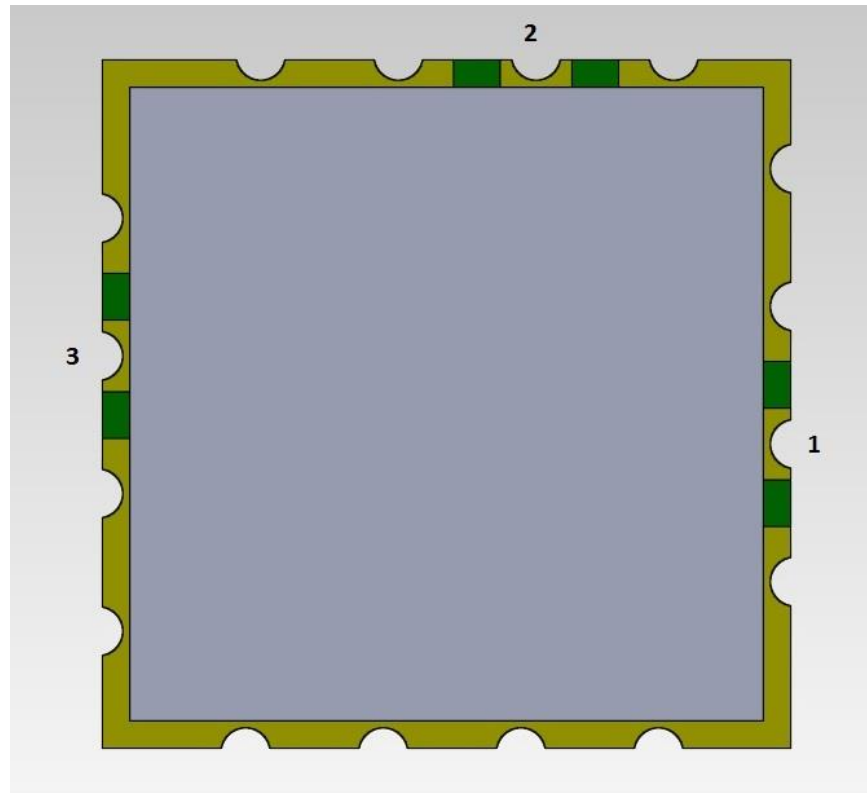
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



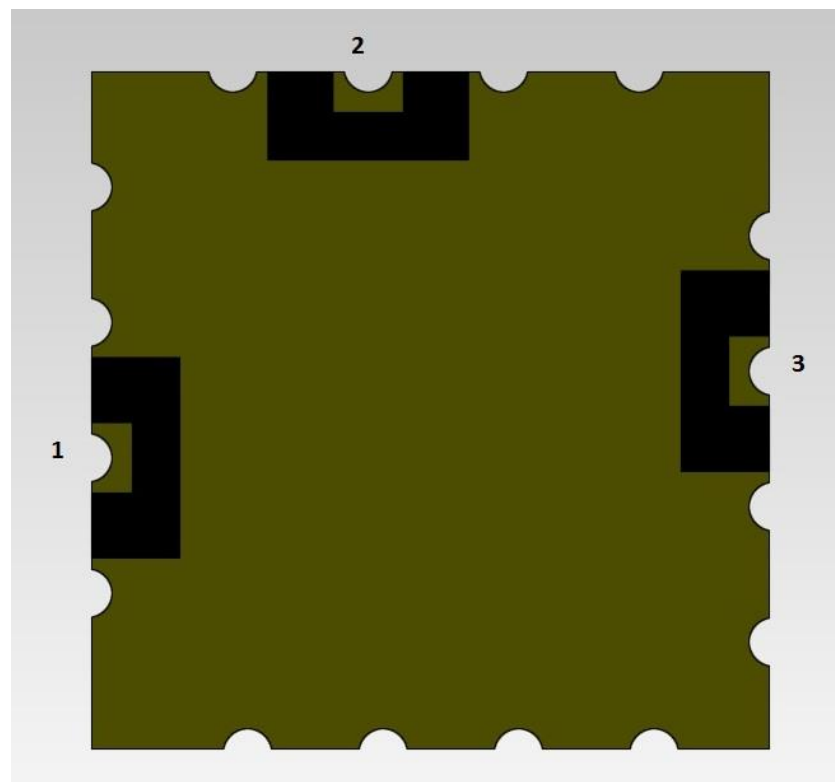
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COMMENTS:
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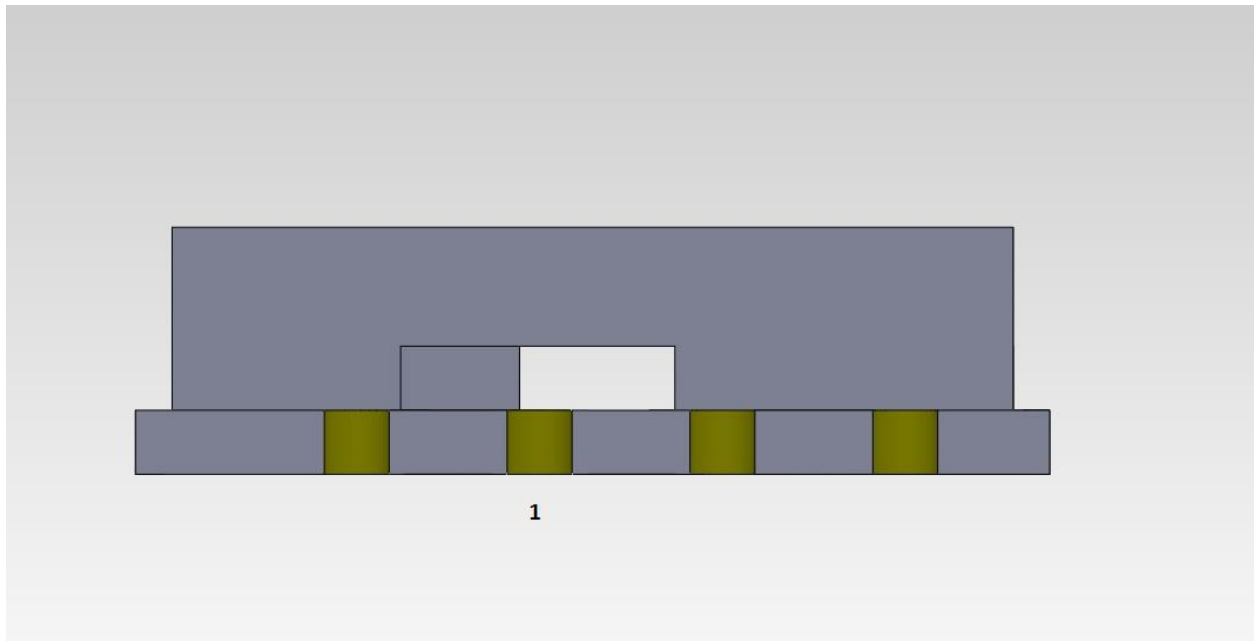
TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 2 OF 2	



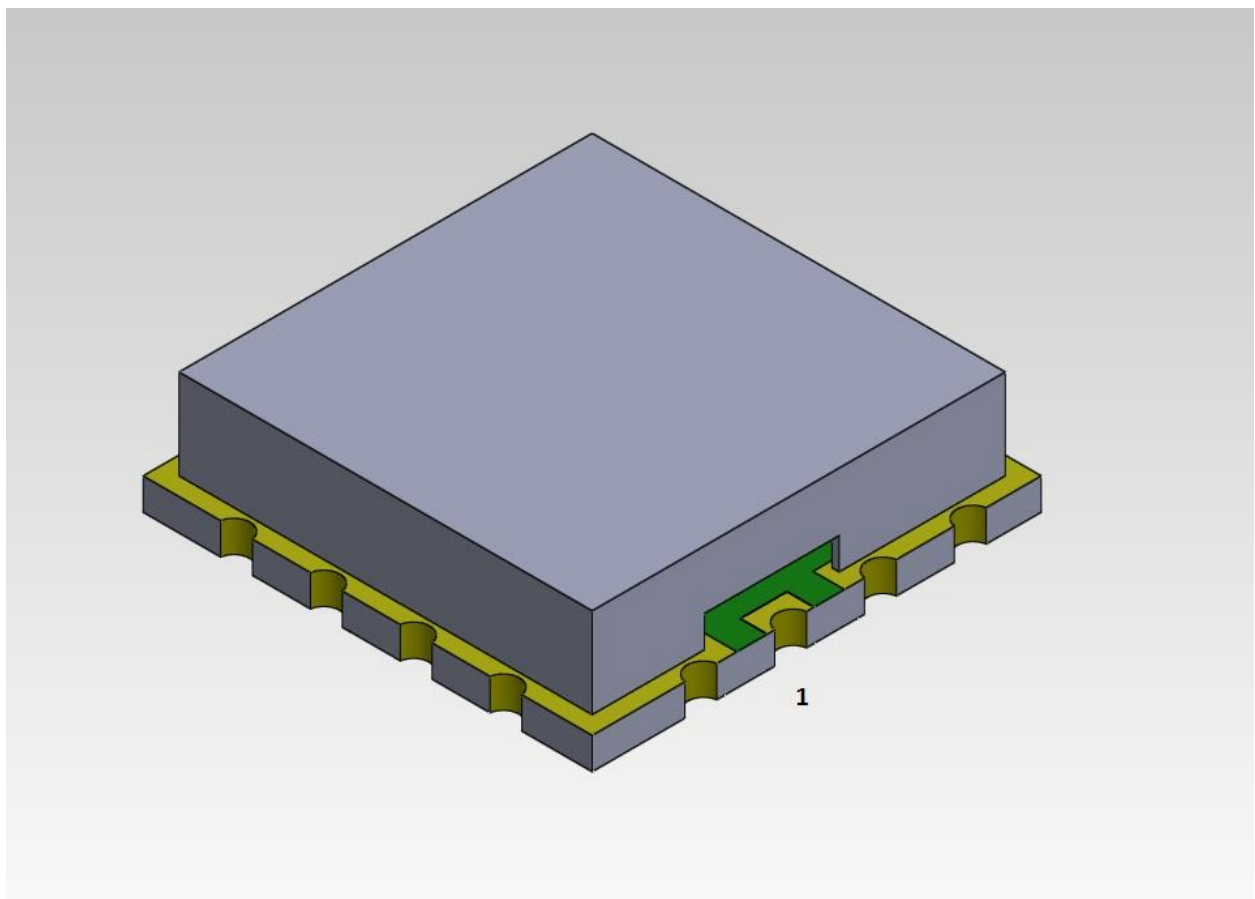
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW