



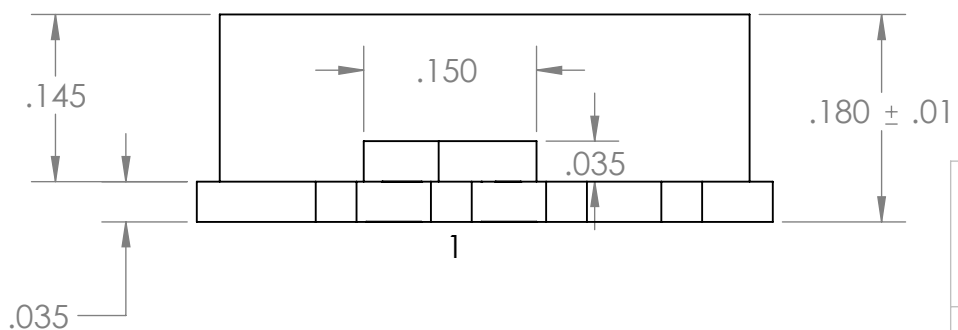
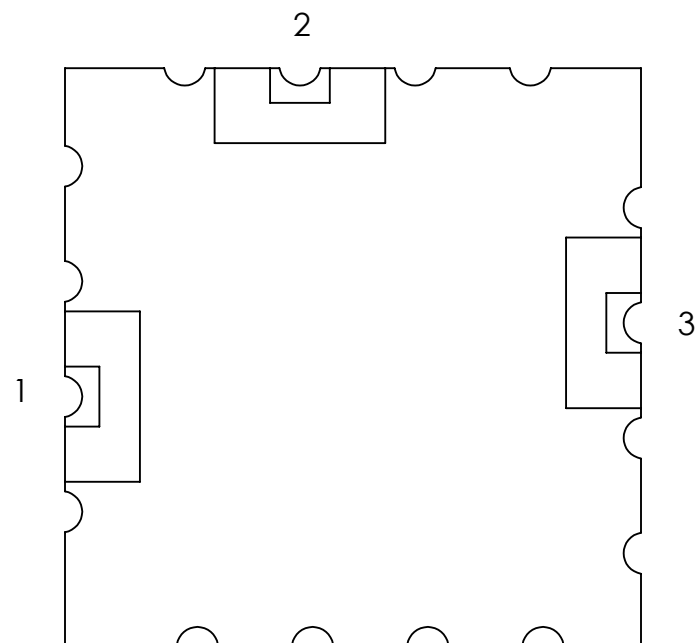
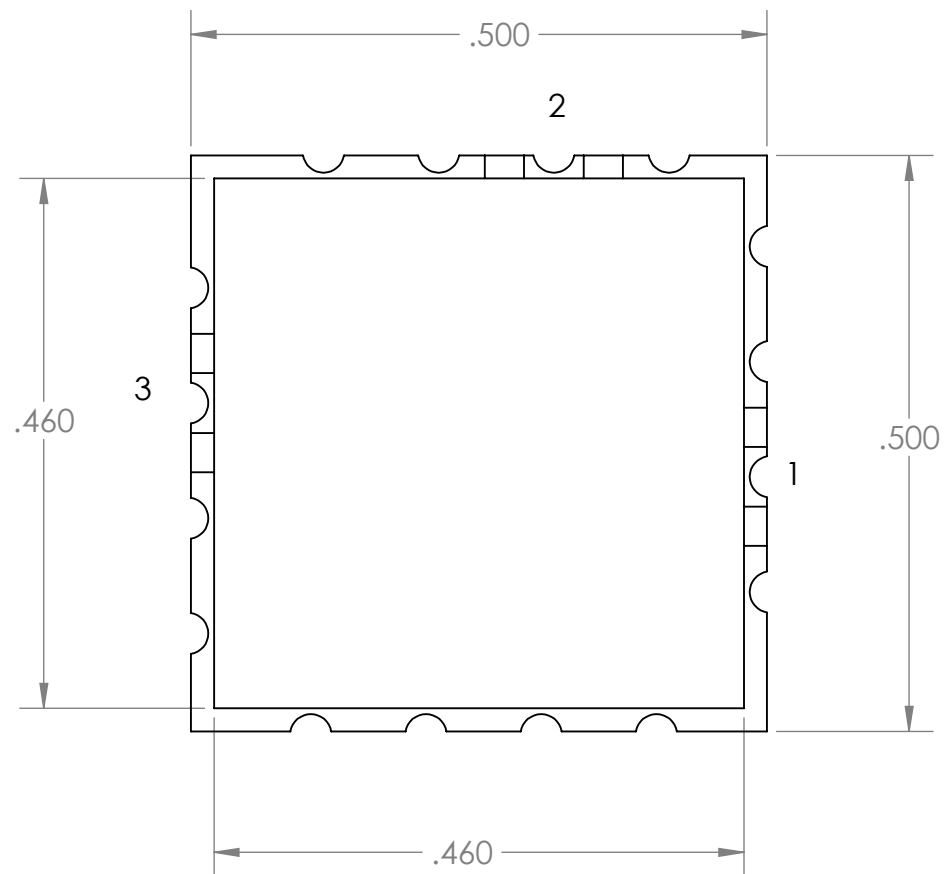
rev_0
rev_1

initial rev
bw and cap

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	405		425	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		8		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2	0	2.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-99	-94	dBc/Hz	1	..	..
10 KHz Offset		-121	-116	dBc/Hz	1	..	..
100 KHz Offset		-141	-136	dBc/Hz	1	..	..
1 MHz Offset		-161	-155	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		0.1	0.2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.2	0.3	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-14	-10	dBc	3	..	..
Vcc		4.75		V		..	..
Icc		15		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA			6,7	..	..
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
7. Soldermasked footprint

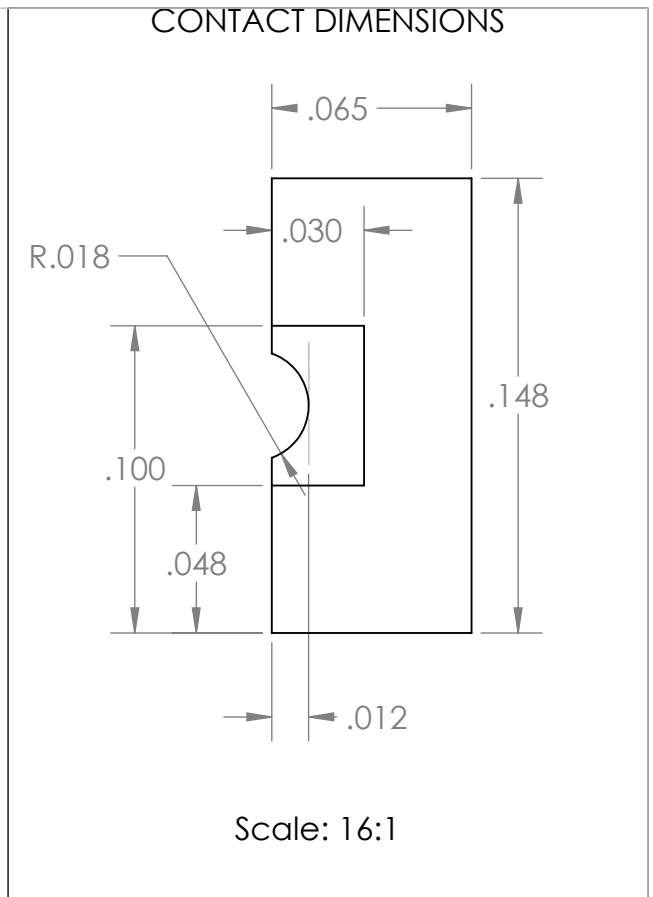
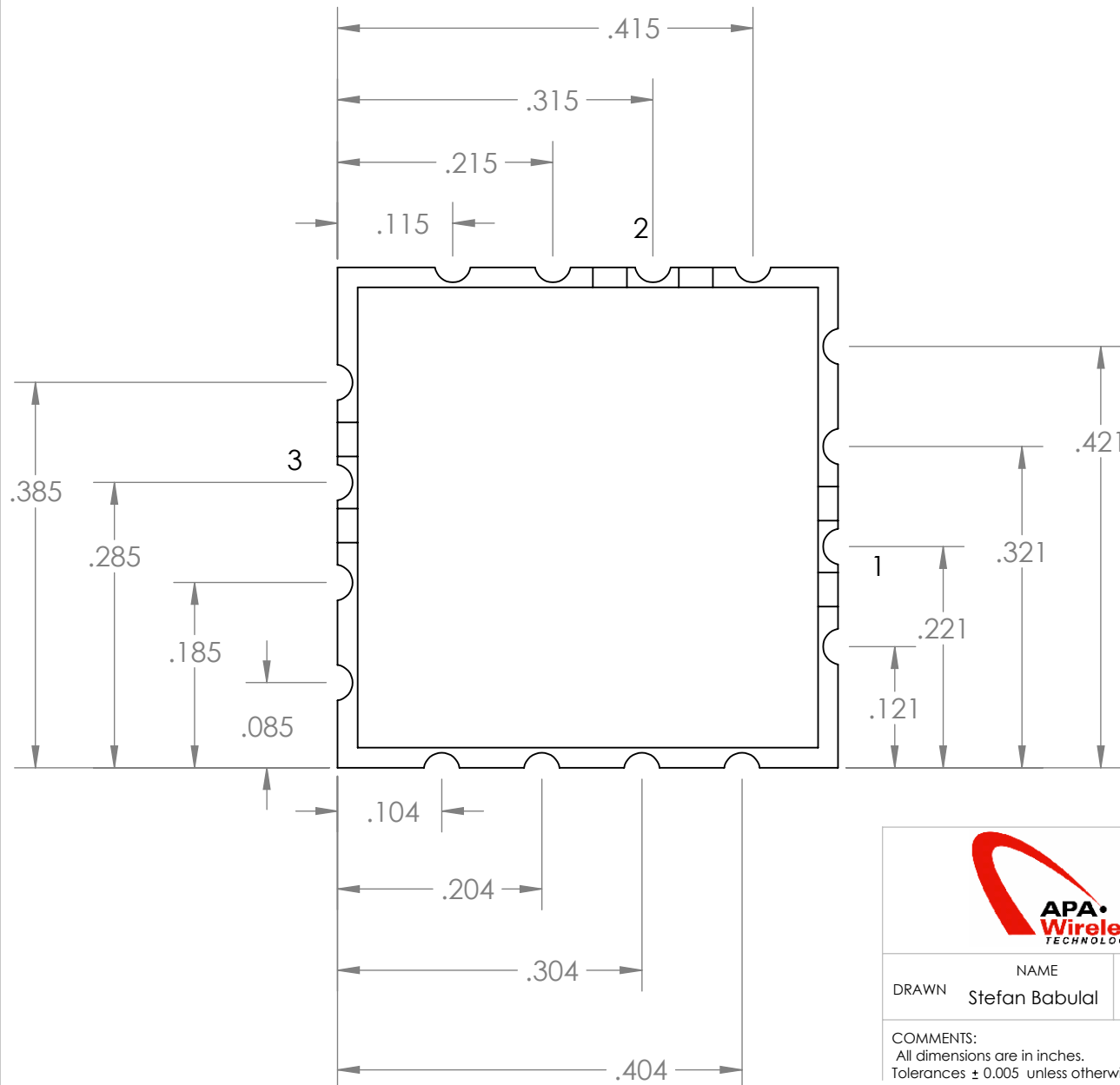


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND

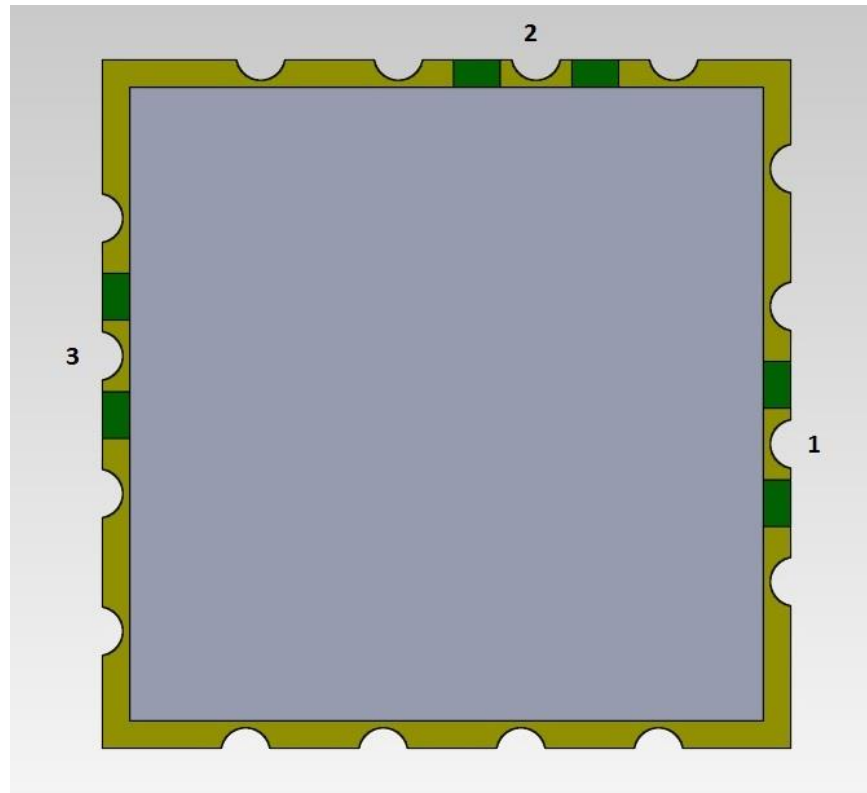


TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 1 OF 2	

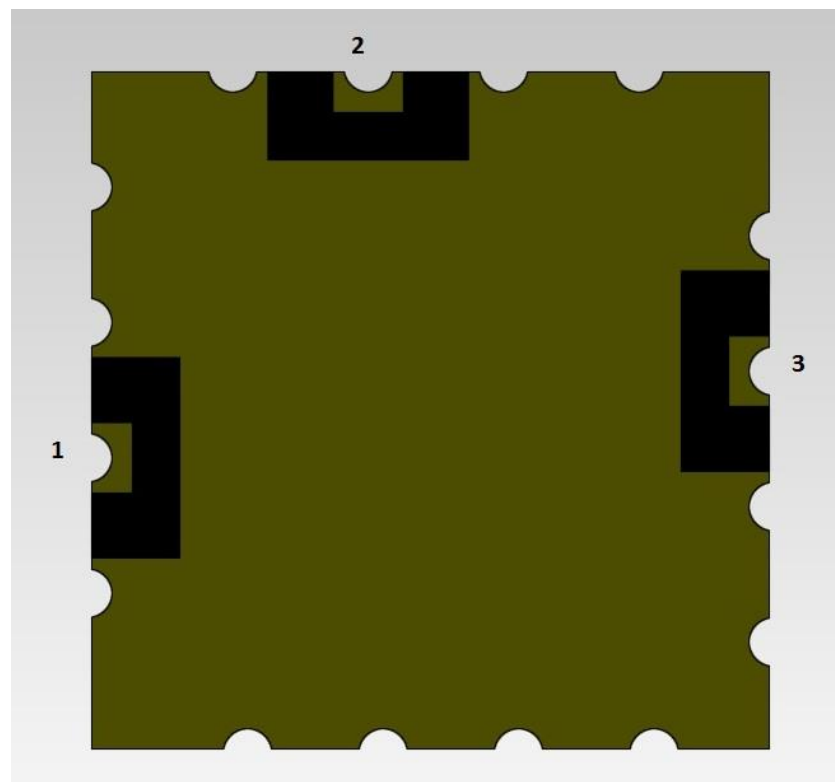
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



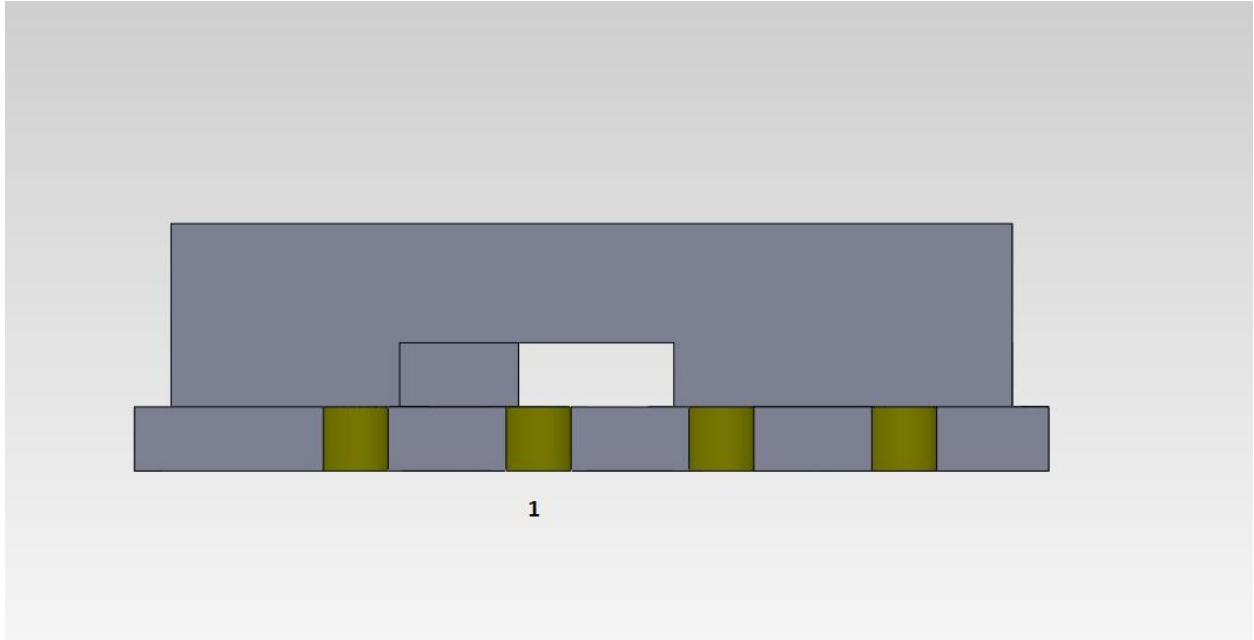
		TITLE: SMUA_180		
		SIZE A	DWG. NO. 1	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		SCALE: 6:1	unit: inch	SHEET 2 OF 2



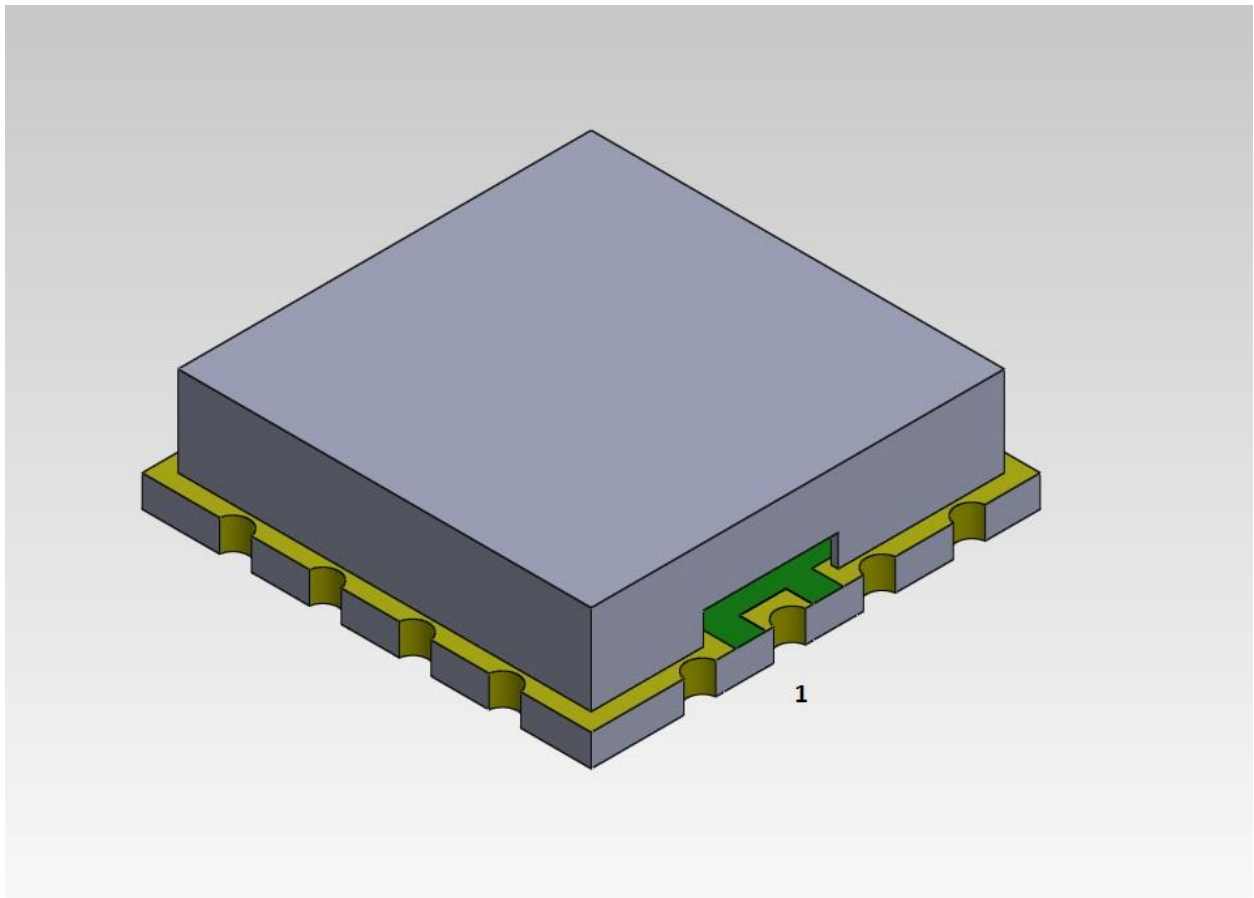
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW