



VCOR1314SMUA5_180

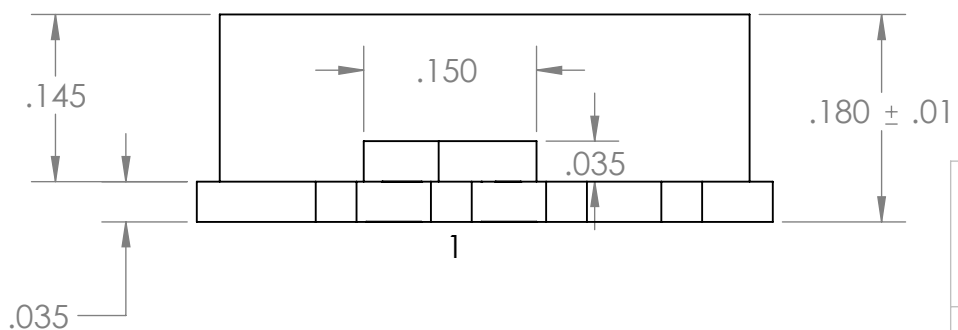
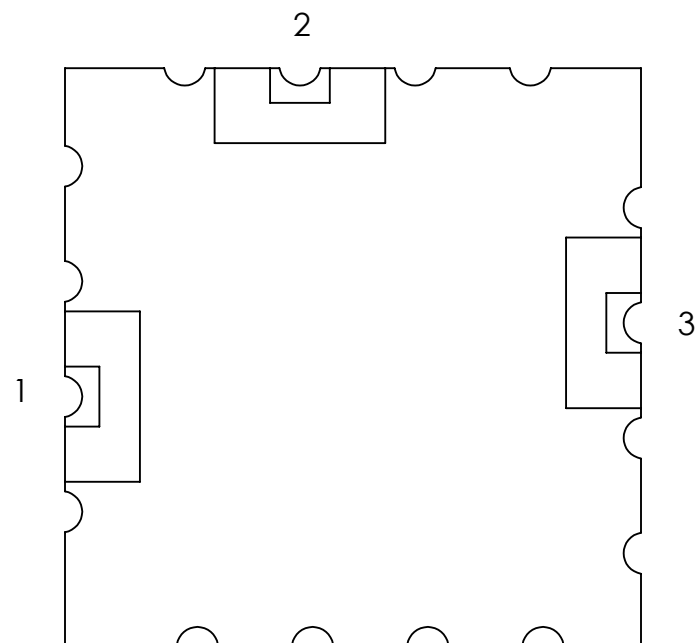
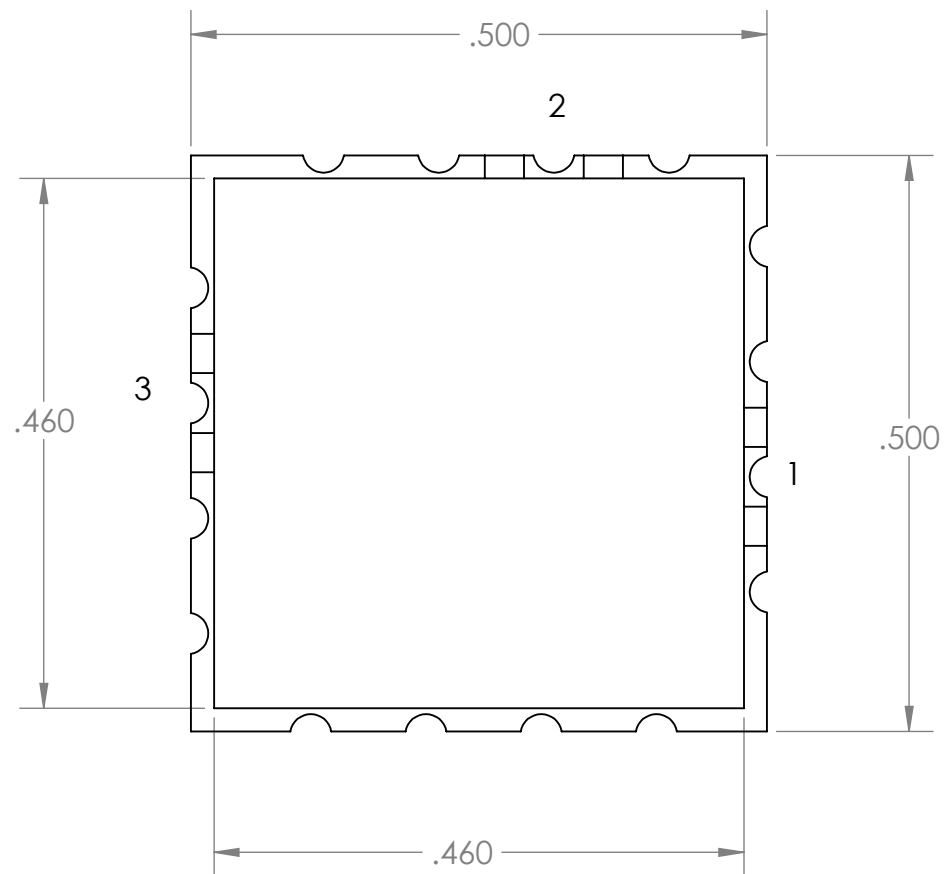
rev_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production</u> <u>Test</u>	<u>First Article</u> <u>Test</u>
Frequency Range	1300		1400	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		36		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2.5	0	2.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-85	-80	dBc/Hz	1	..	..
10 KHz Offset		-110	-105	dBc/Hz	1	..	..
100 KHz Offset		-130	-125	dBc/Hz	1	..	..
1 MHz Offset		-150	-145	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		1	2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.5	1	MHz _{p-p}	3	..	..
Modulation Bandwidth		1000		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		27	29	mA	1,7	..	..
Operating Temperature	-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
7. Design goal subject to change

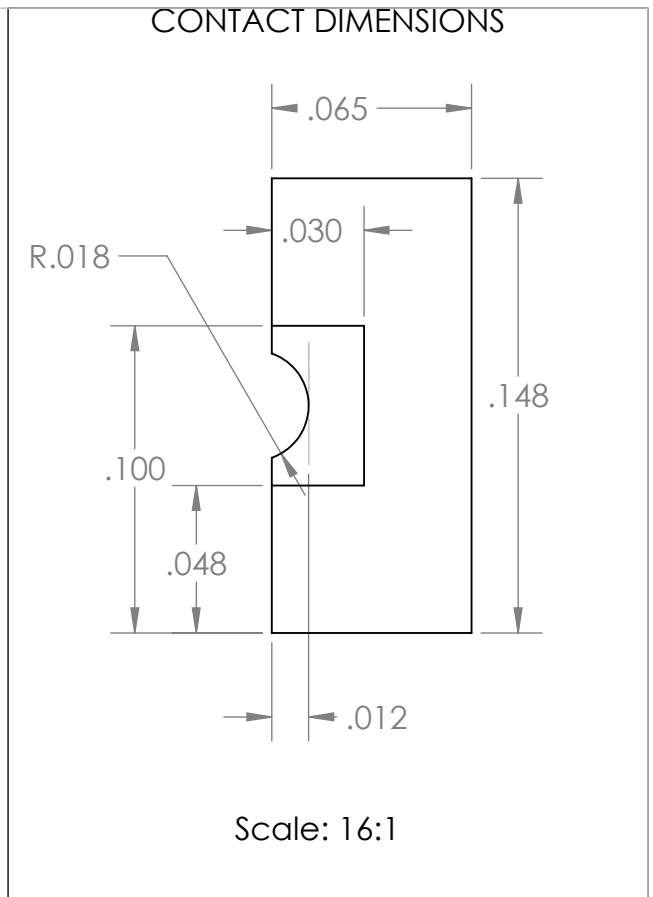
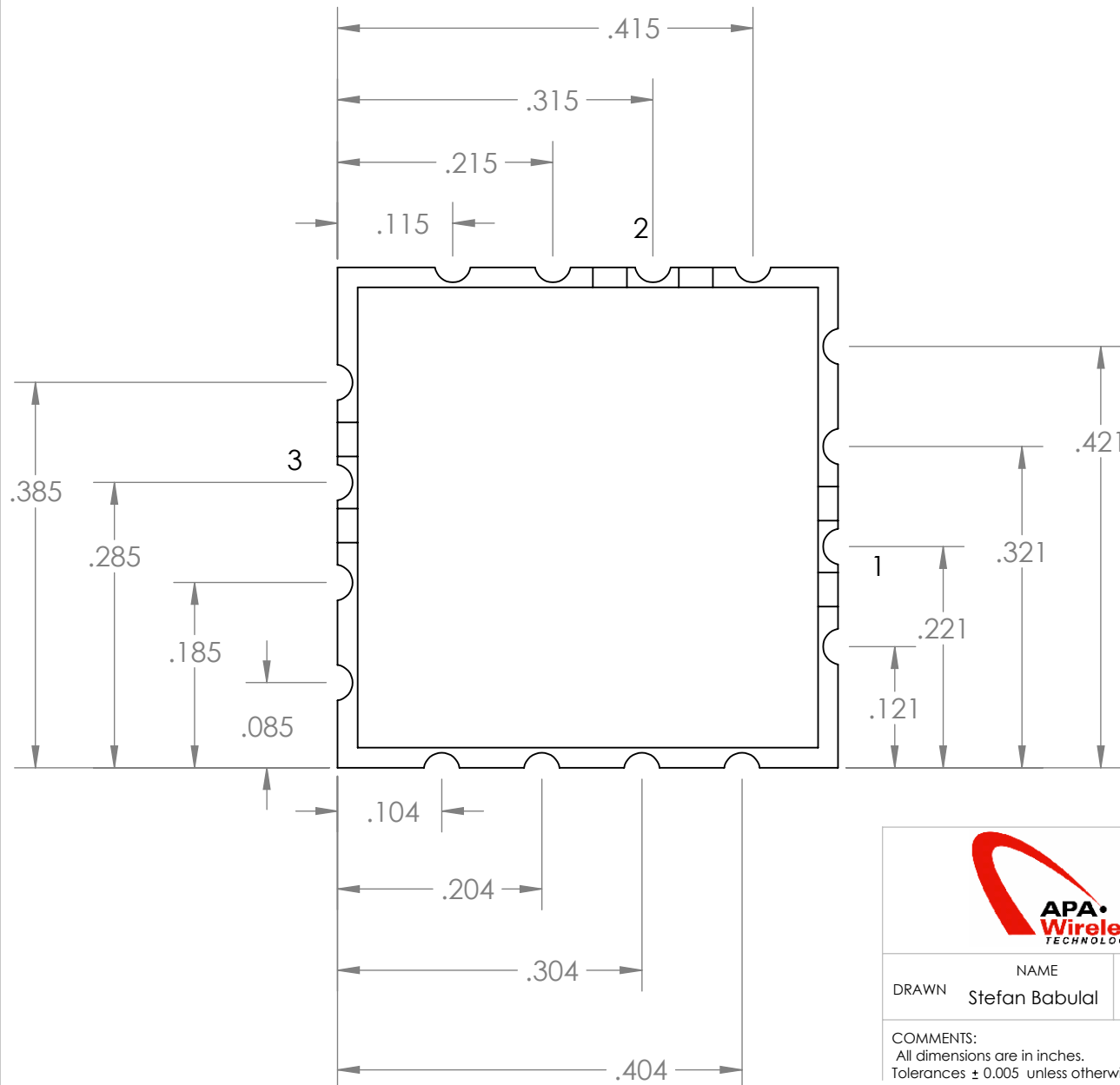


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND

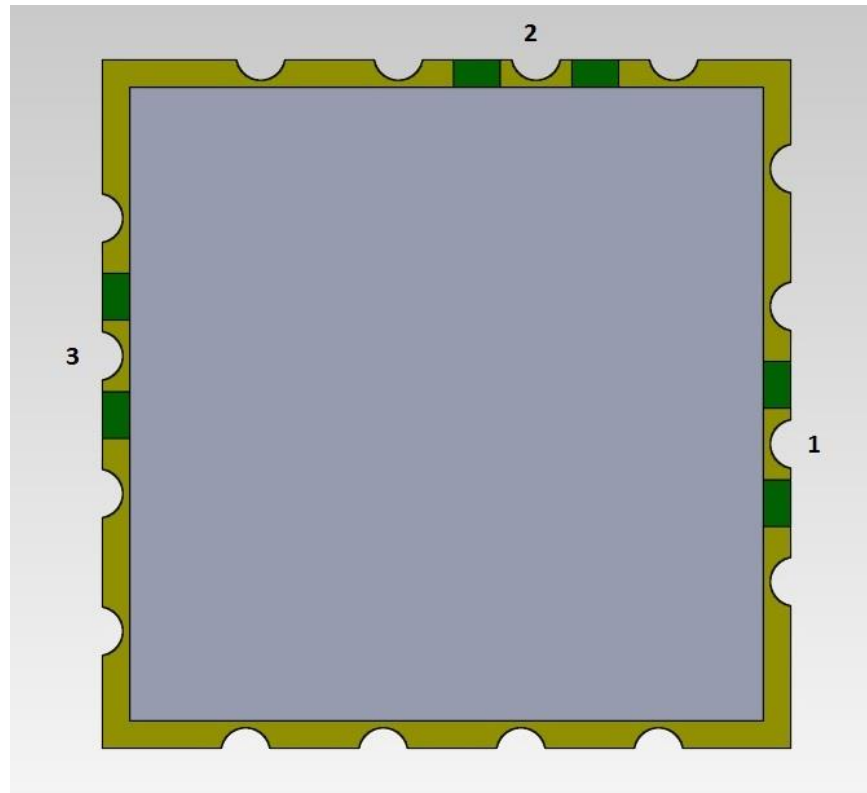


TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 1 OF 2	

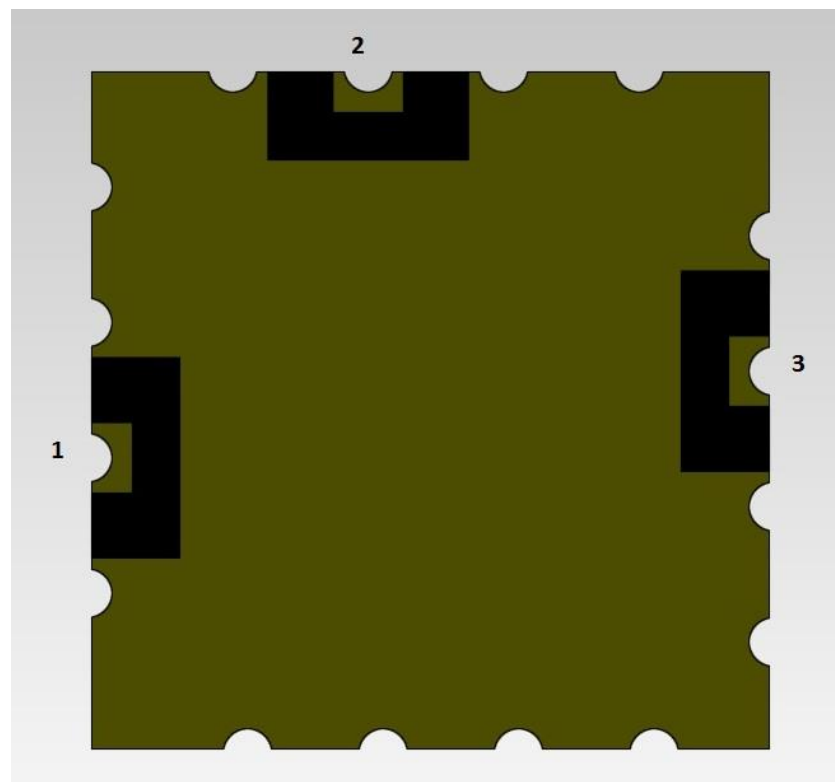
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



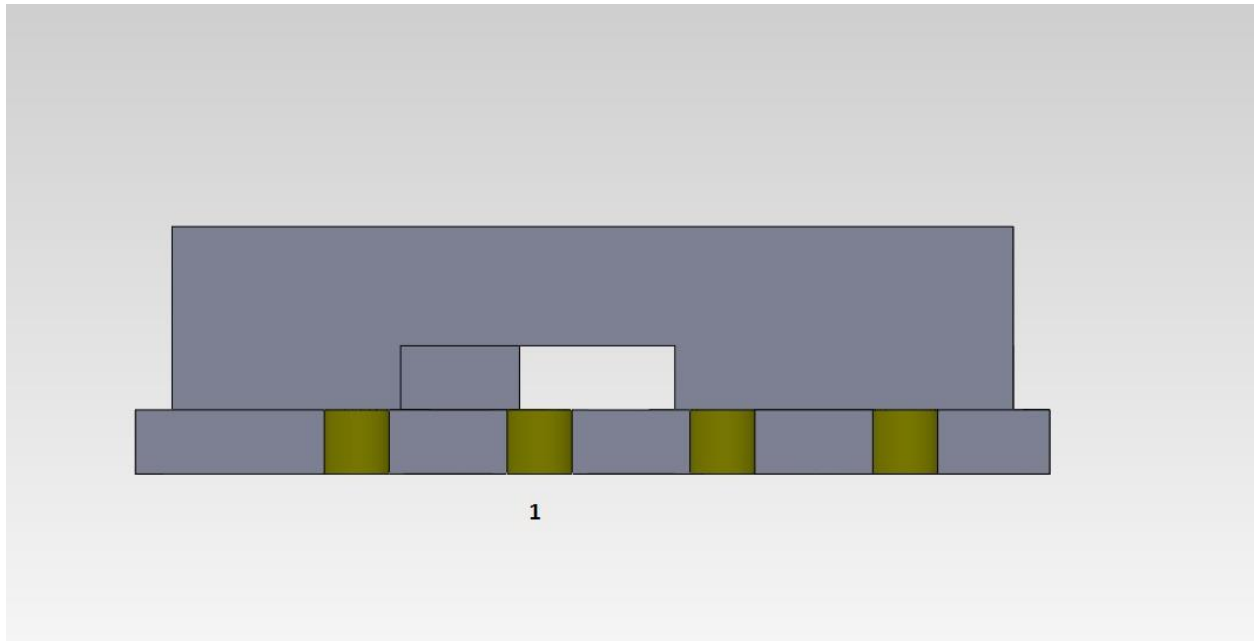
		TITLE: SMUA_180		
		SIZE A	DWG. NO. 1	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		SCALE: 6:1	unit: inch	SHEET 2 OF 2



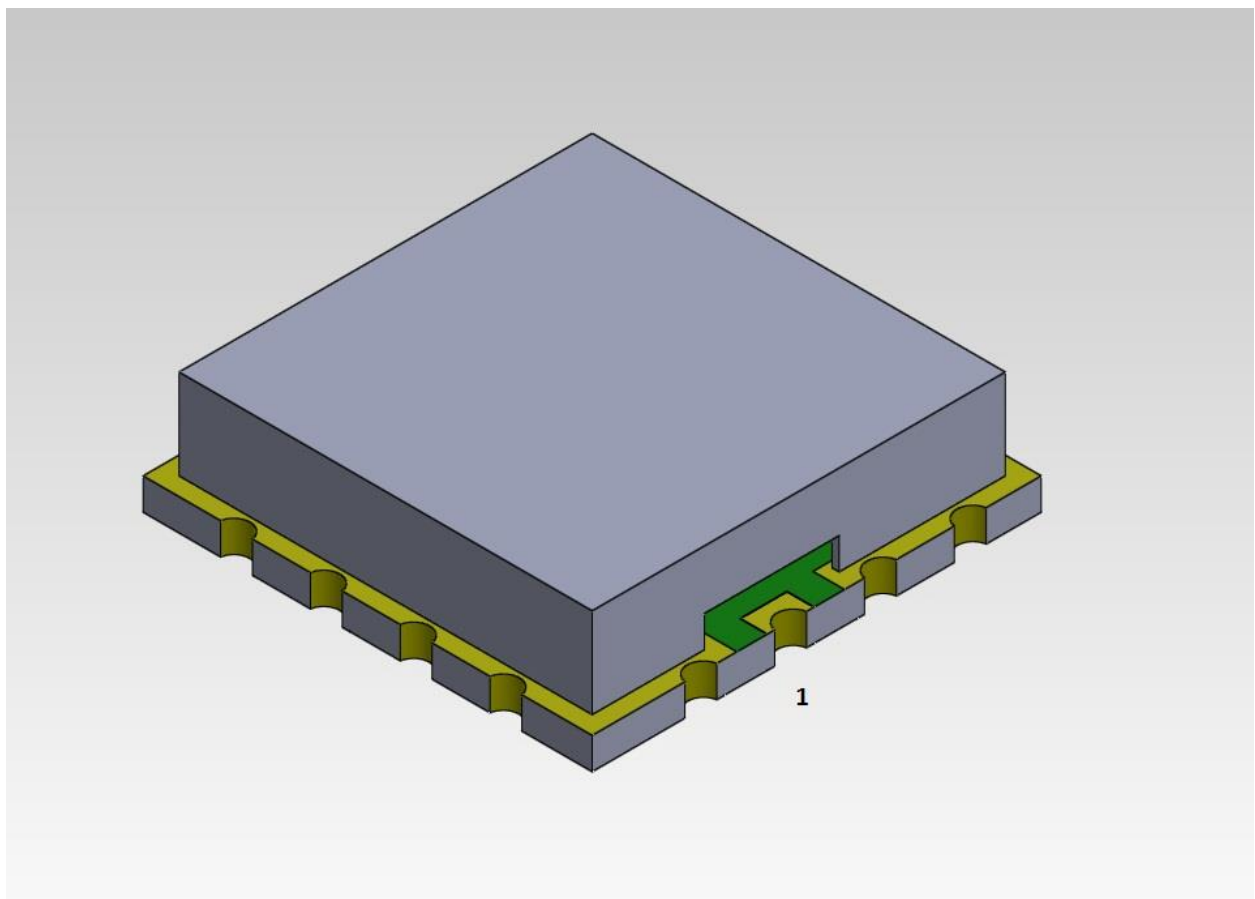
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW