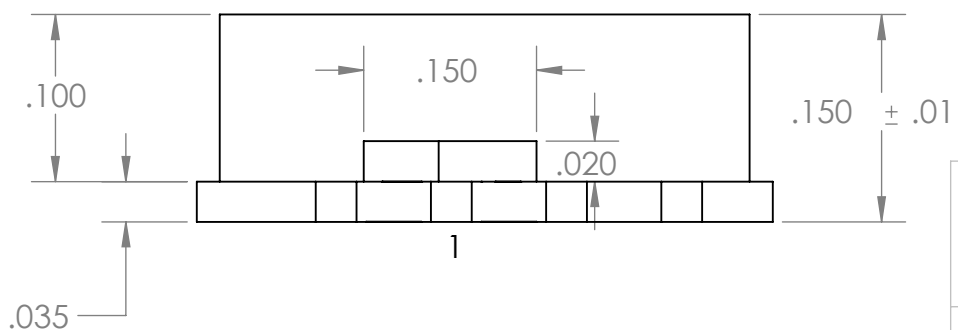
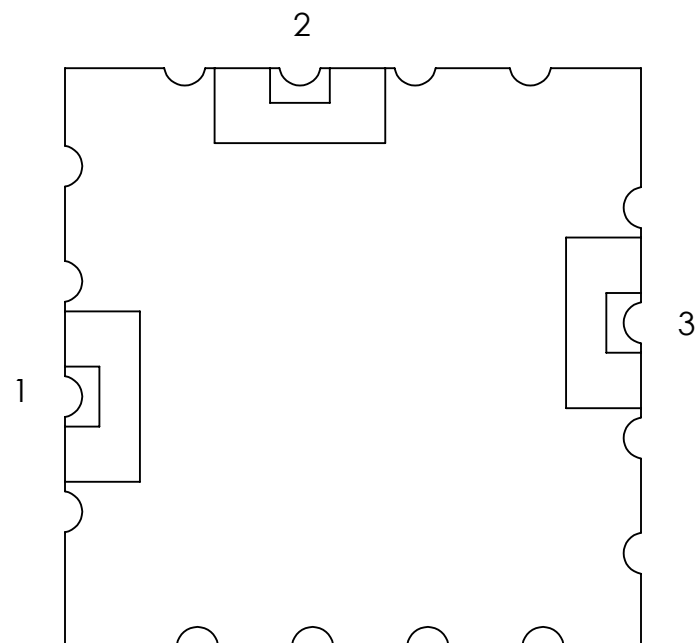
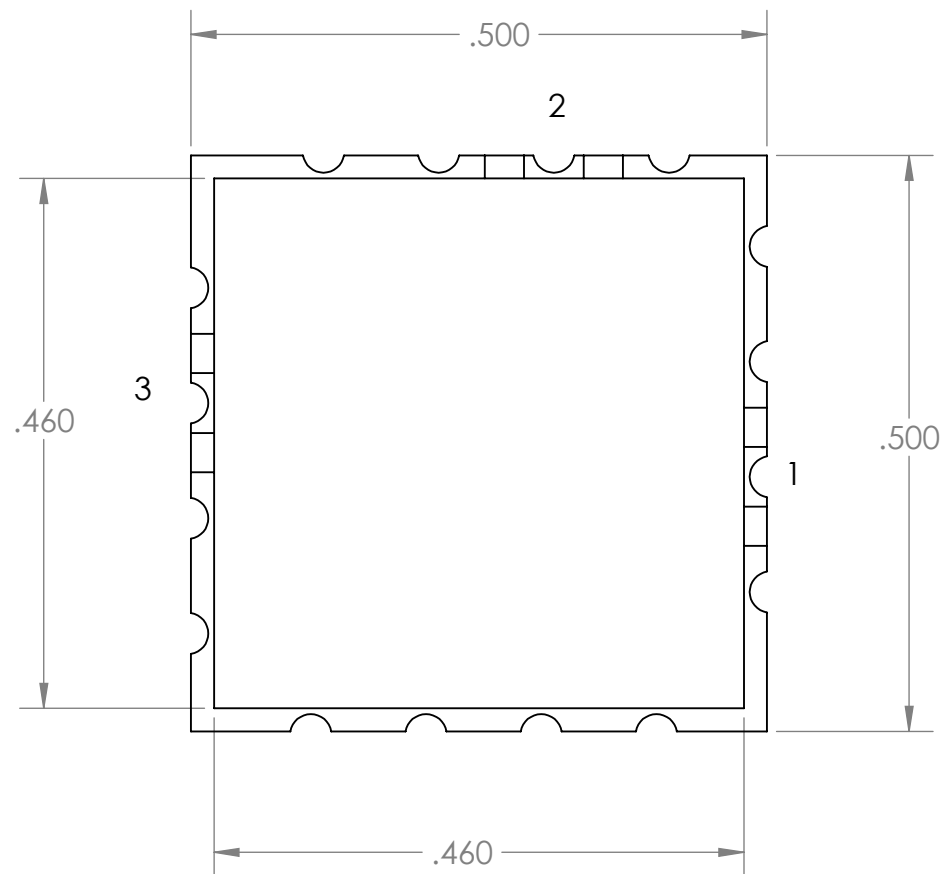




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range		1280		MHz	1	..	..
Tuning Voltage Range - Max	0		6	V	1,8	..	..
Tuning Voltage Range - Operating	1		4	V	1	..	..
Modulation Sensitivity		15		MHz/V	1,6	..	..
Operates with Vtune = 0V					1	..	..
Output Power	4.5		8.5	dBm	1	..	..
Phase Noise @							
10 KHz Offset			-110	dBc/Hz	1	..	..
45 KHz Offset			-123	dBc/Hz	1	..	..
100 KHz Offset			-130	dBc/Hz	1	..	..
500 KHz Offset			-144	dBc/Hz	1	..	..
1 MHz Offset			-150	dBc/Hz	1	..	..
10 MHz Offset			-160	dBc/Hz	1	..	..
40 MHz Offset			-160	dBc/Hz	1	..	..
Pushing			0.5	MHz/V	3	..	..
Pulling (12dB RL, any phase)			1.9	MHz _{p-p}	3	..	..
Modulation Bandwidth		0.1		MHz	4	..	..
Tuning Port Capacitance		85		pF	2	..	..
2nd Harmonic			-10	dBc	3	..	..
3rd Harmonic			-17	dBc	3	..	..
Vcc	4.70	5.00	5.25	V	1	..	..
Icc			35	mA	1	..	..
Operating Temperature	-40		+90	C	3	..	..
Storage Temperature	-55		+125	C	3	..	..
Package		SMUAM			7	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.150	0.170	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. Design goal subject to change
7. Solder mask on bottom layer
8. Unit must operate with continuous positive voltage to frequency slope under all operating conditions



CONTACT ASSIGNMENTS

1. RF OUT

2. SUPPLY INPUT

3. TUNING VOLTAGE INPUT

ALL OTHER CONTACTS ARE GROUND



TITLE:

SMUA_150

DRAWN NAME
Stefan Babulal

DATE
2/17/2017

SIZE
A

DWG. NO.

1

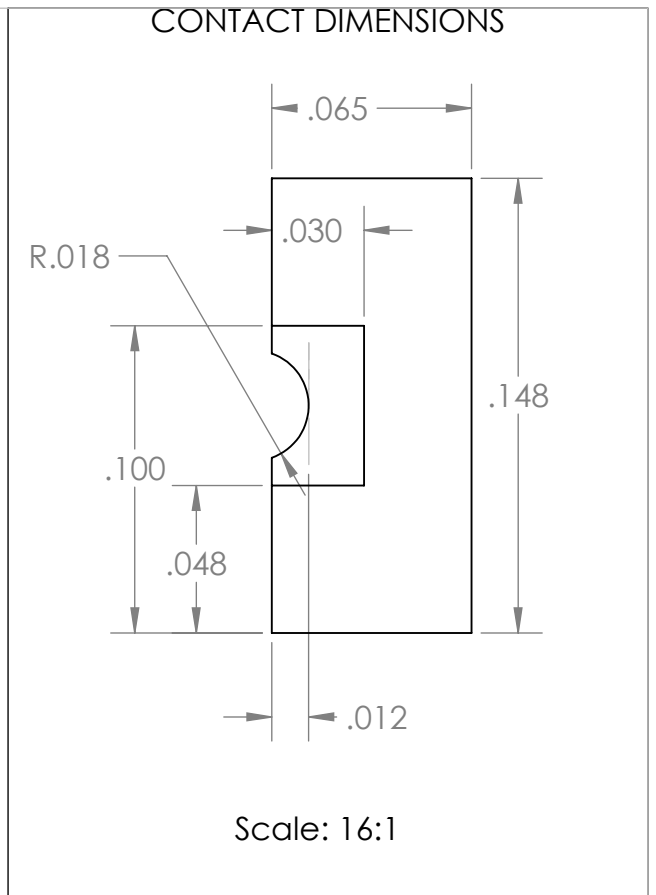
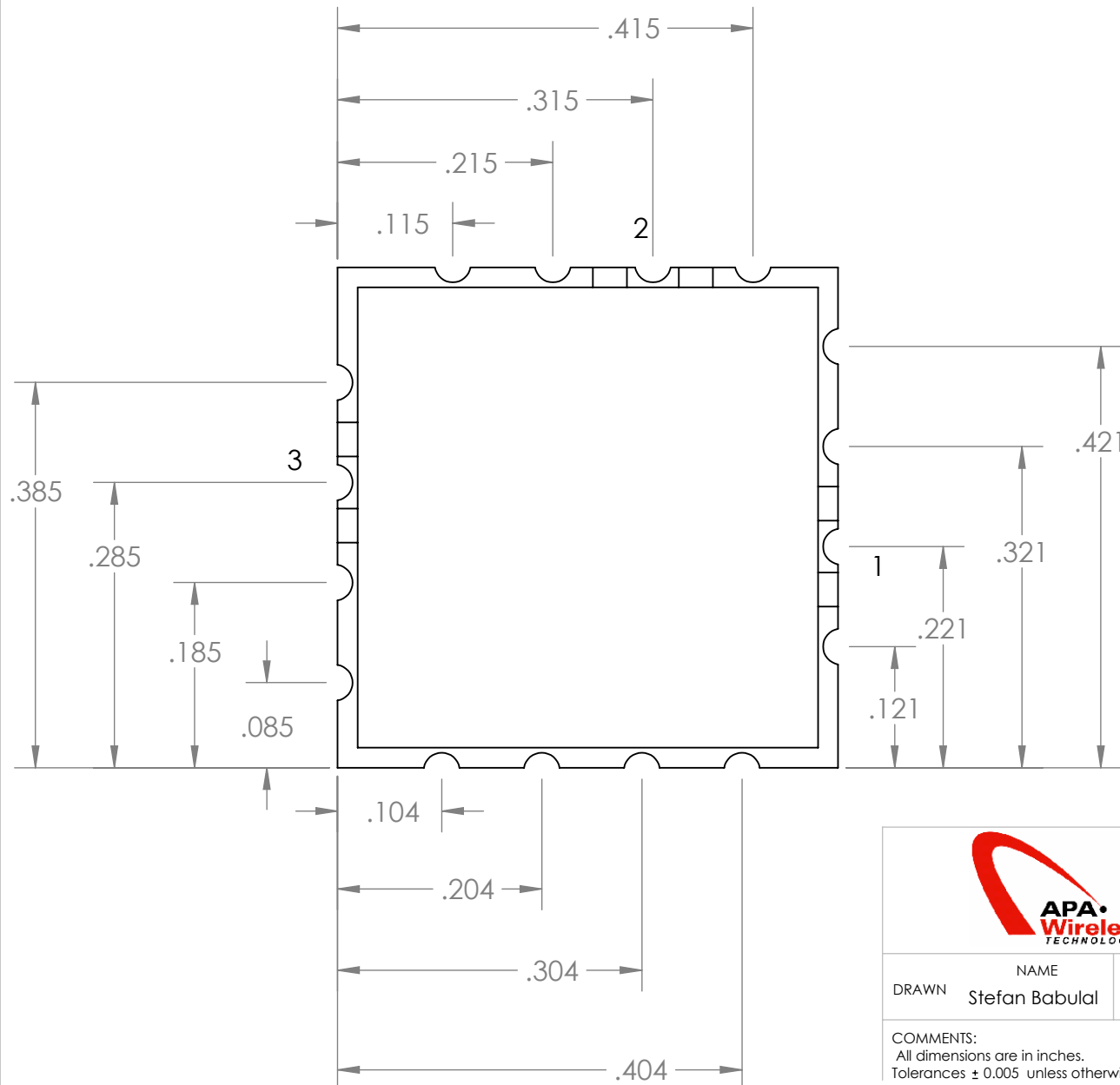
REV

COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

SCALE: 6:1

unit: inch

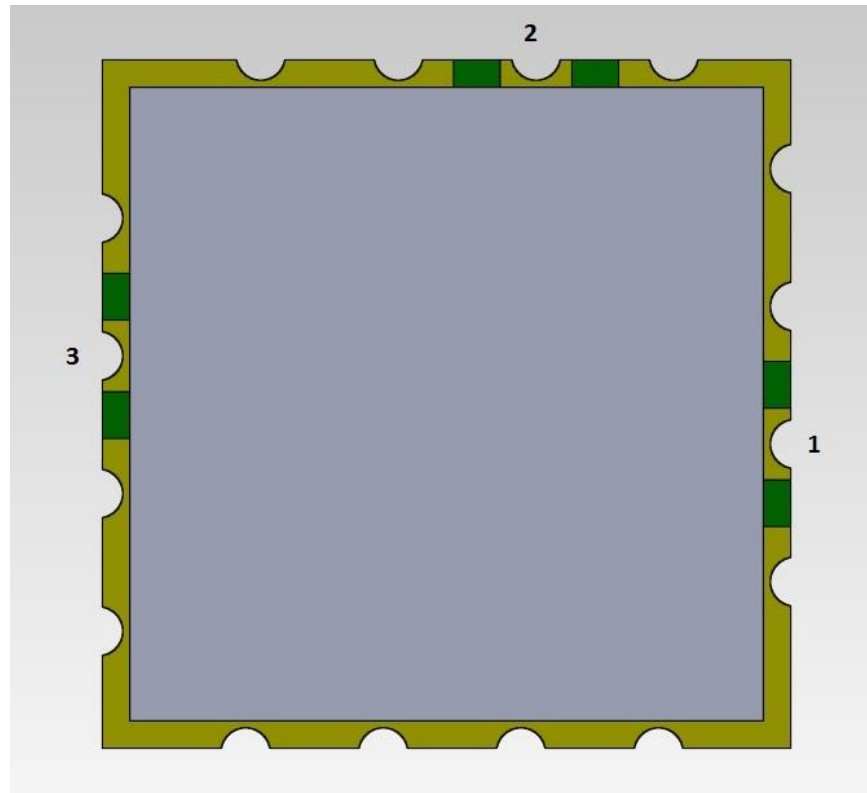
SHEET 1 OF 2



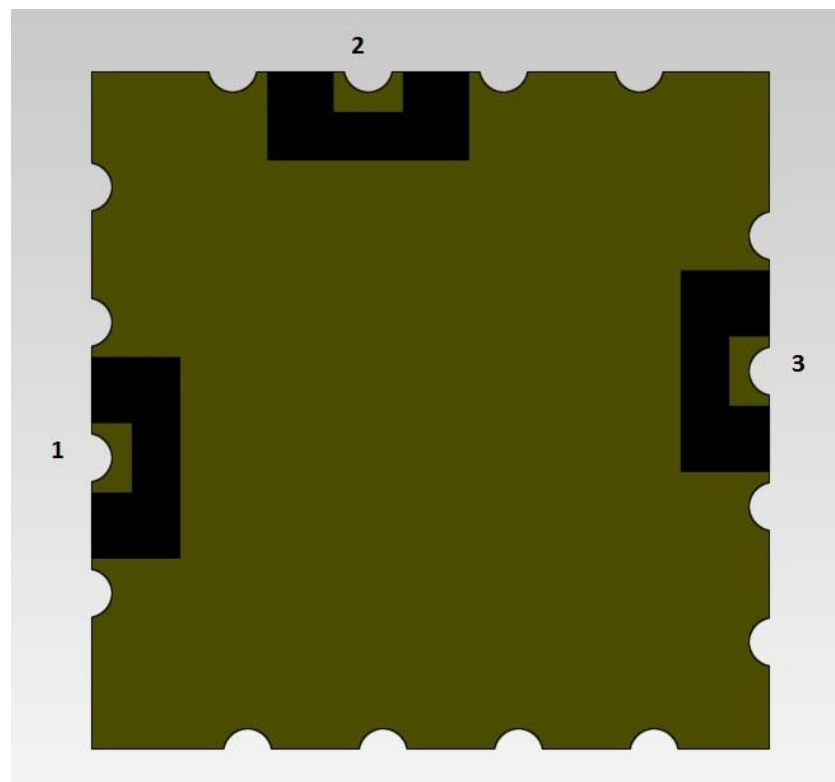
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

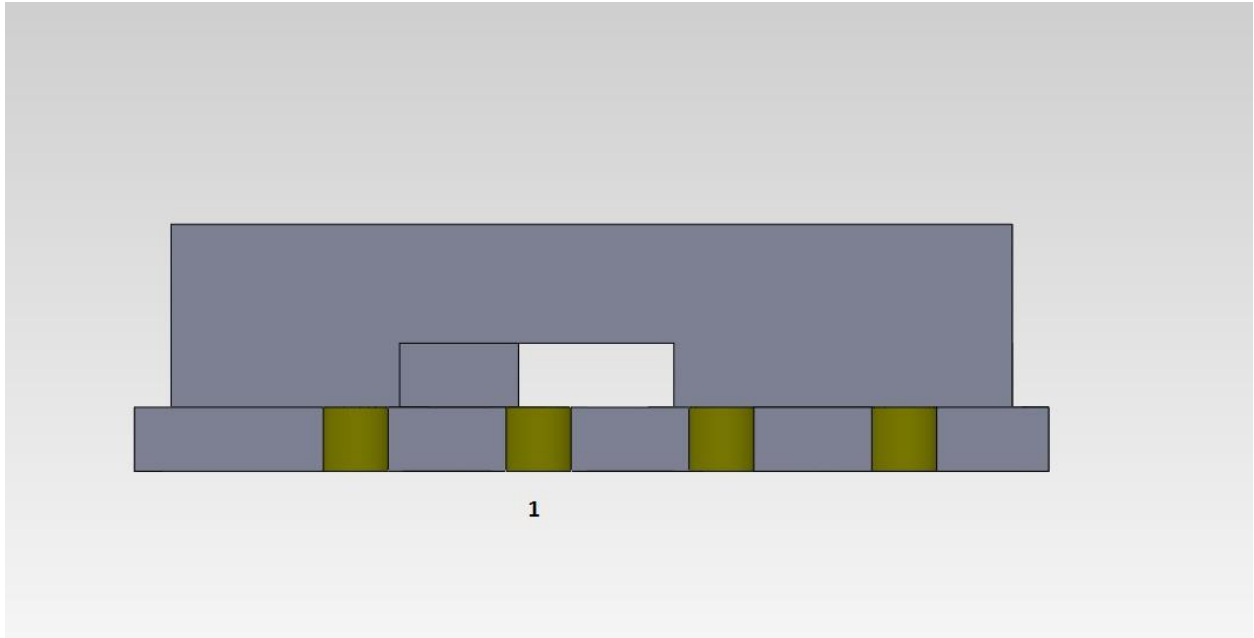
TITLE: SMUA_150		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 2 OF 2



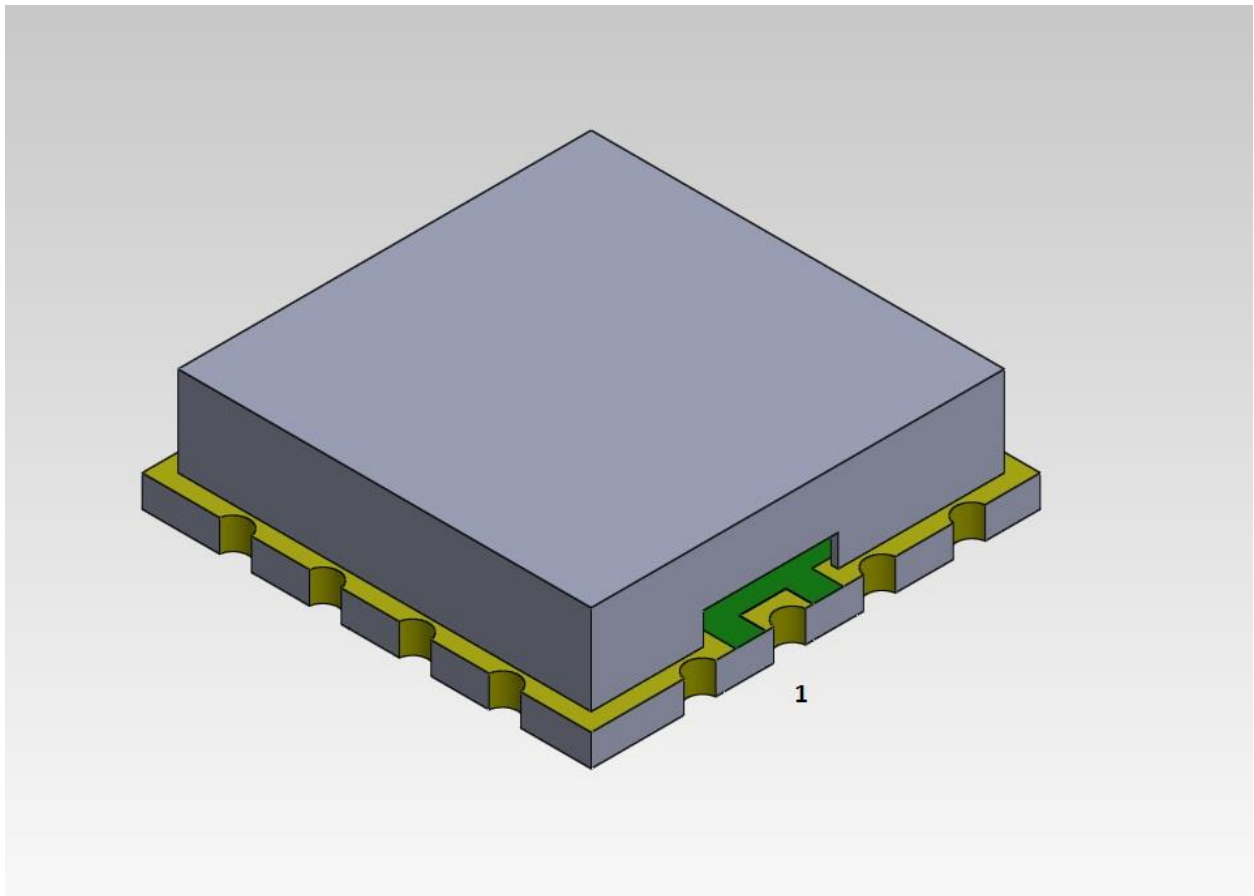
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW