



VCO R0408SMUA12_135

rev_0

initial rev

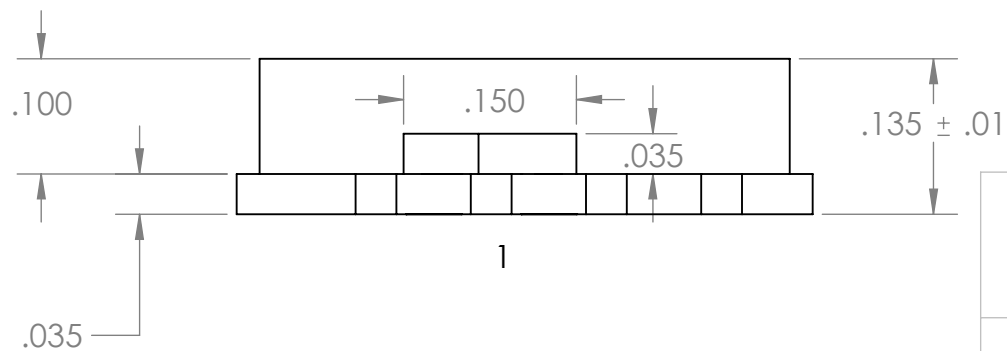
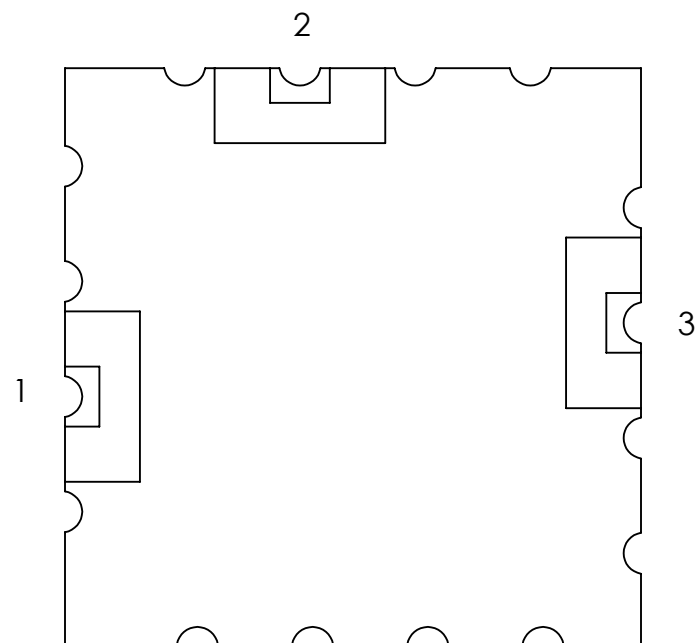
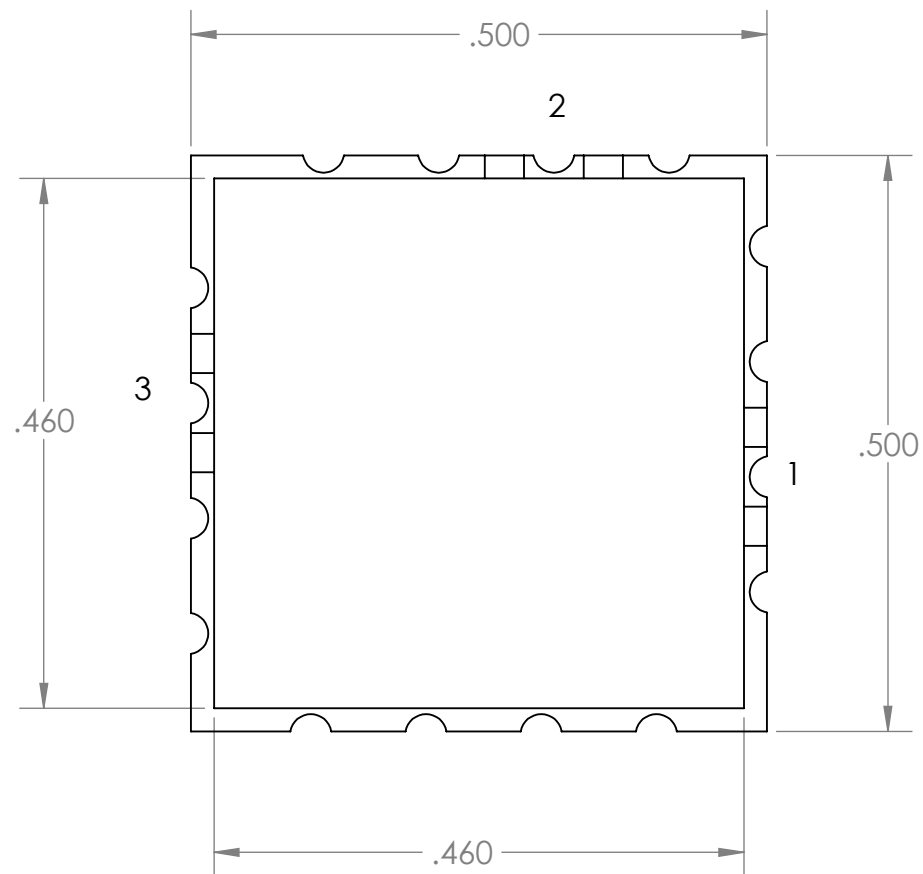
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
FrequencyRange	400		800	MHz	1	..	..
TuningVoltage	0.5		11	V	1	..	..
ModulationSensitivity		45		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	9.5	12	13.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-78	-73	dBc/Hz	1	..	..
10 KHz Offset		-104	-99	dBc/Hz	1	..	..
100 KHz Offset		-124	-119	dBc/Hz	1	..	..
1 MHz Offset		-144	-139	dBc/Hz	1	..	..
10 MHz Offset		-164	-159	dBc/Hz	1	..	..
Pushing		0.5	1	MHz/V	3	..	..
Pulling (12dB RL, any phase)		5	15	MHz _{p-p}	3	..	..
ModulationBandwidth		10		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-20	-8	dBc	3	..	..
Vcc		12		V		..	..
Icc		30		mA	1	..	..
OperatingTemperature	-40		+85	C	3	..	..
Package		SMUA				..	..
LxW		0.500		inch sq.	5	..	..
Height		0.135		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

sig date

sig date



CONTACT ASSIGNMENTS

1. RF OUT

2. SUPPLY INPUT

3. TUNING VOLTAGE INPUT

ALL OTHER CONTACTS ARE GROUND



TITLE:

R0408SMUA12_135

DRAWN

NAME
Stefan Babulal

DATE

2/17/2017

SIZE
A

DWG. NO.

1

REV

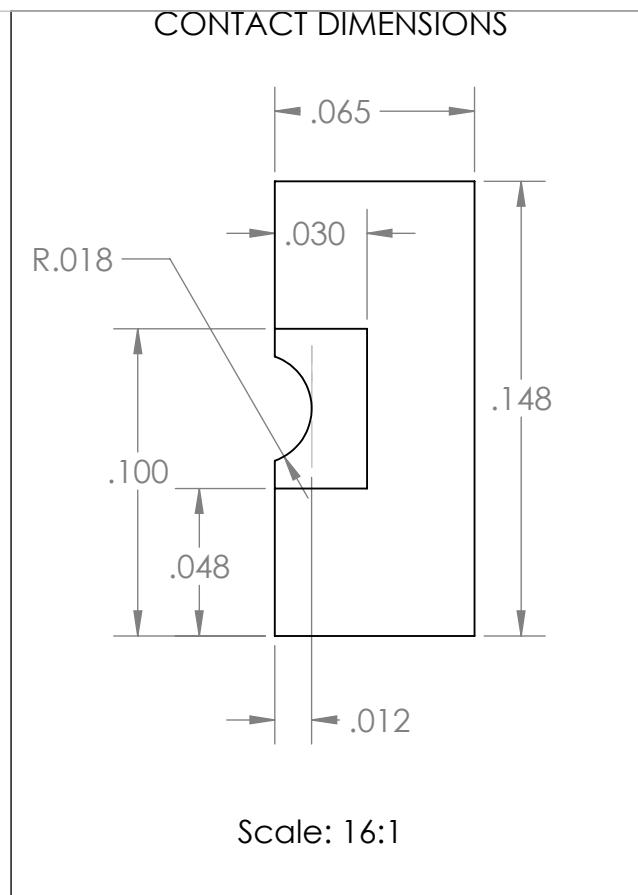
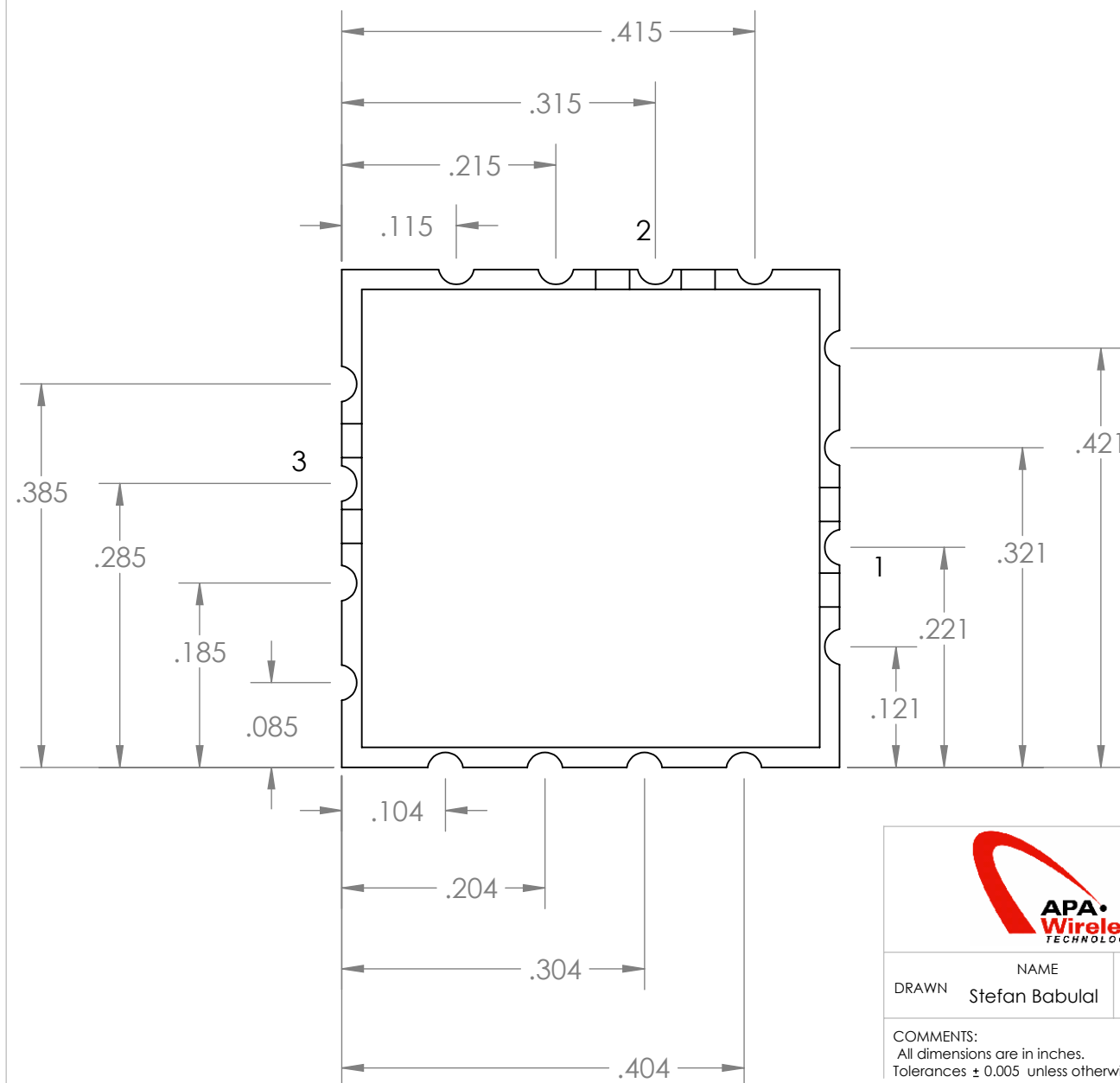
COMMENTS:

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

SCALE: 6:1

unit: inch

SHEET 1 OF 2



DRAWN	NAME	DATE
	Stefan Babulal	2/20/2017

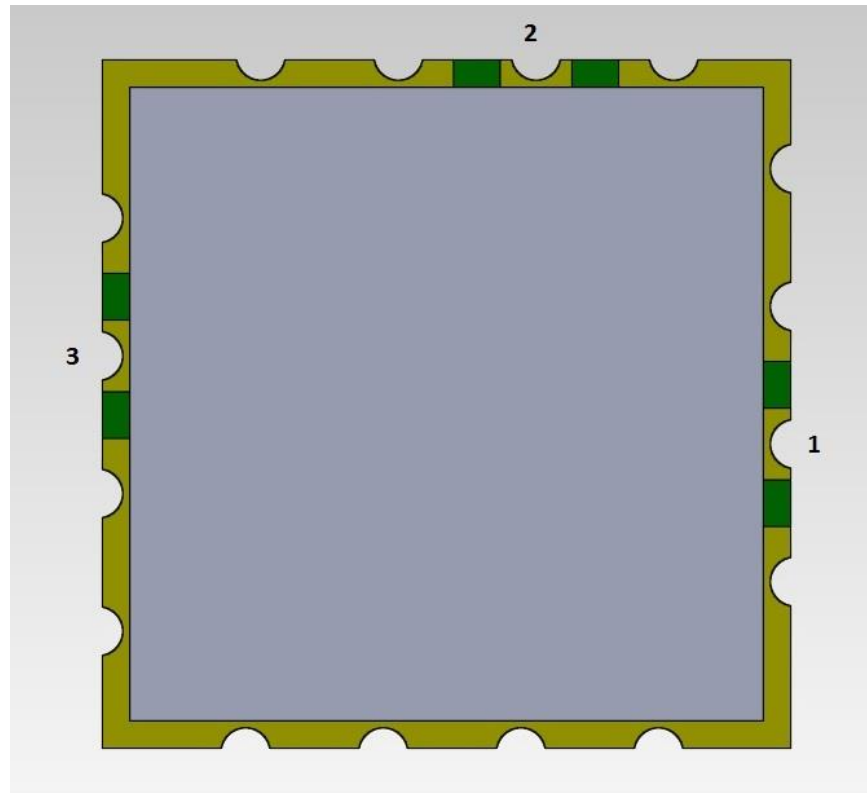
COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE:

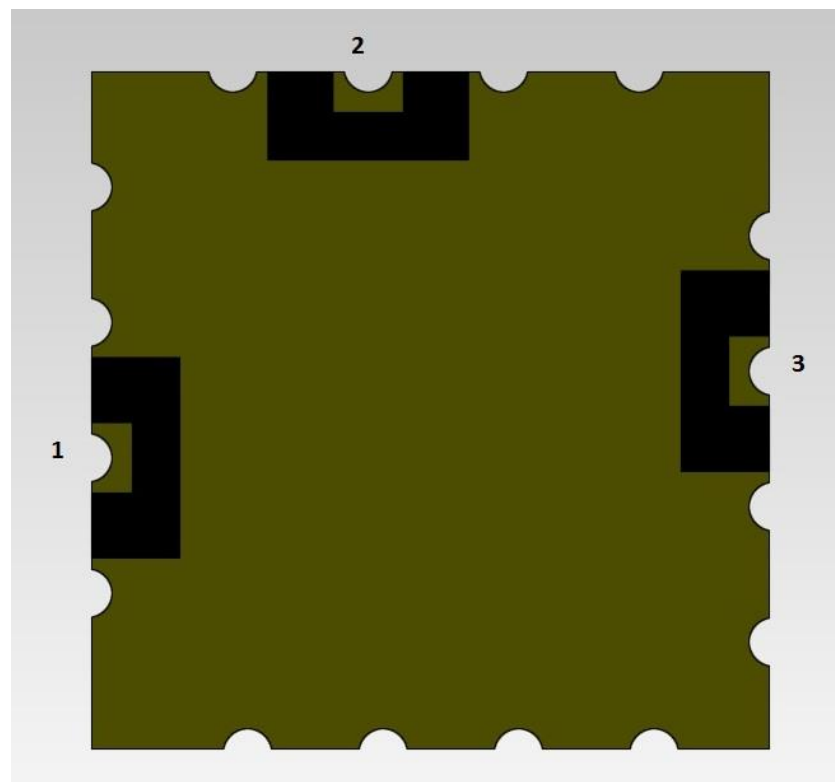
R0408SMUA12_135

SIZE	DWG. NO.	REV
A	1	

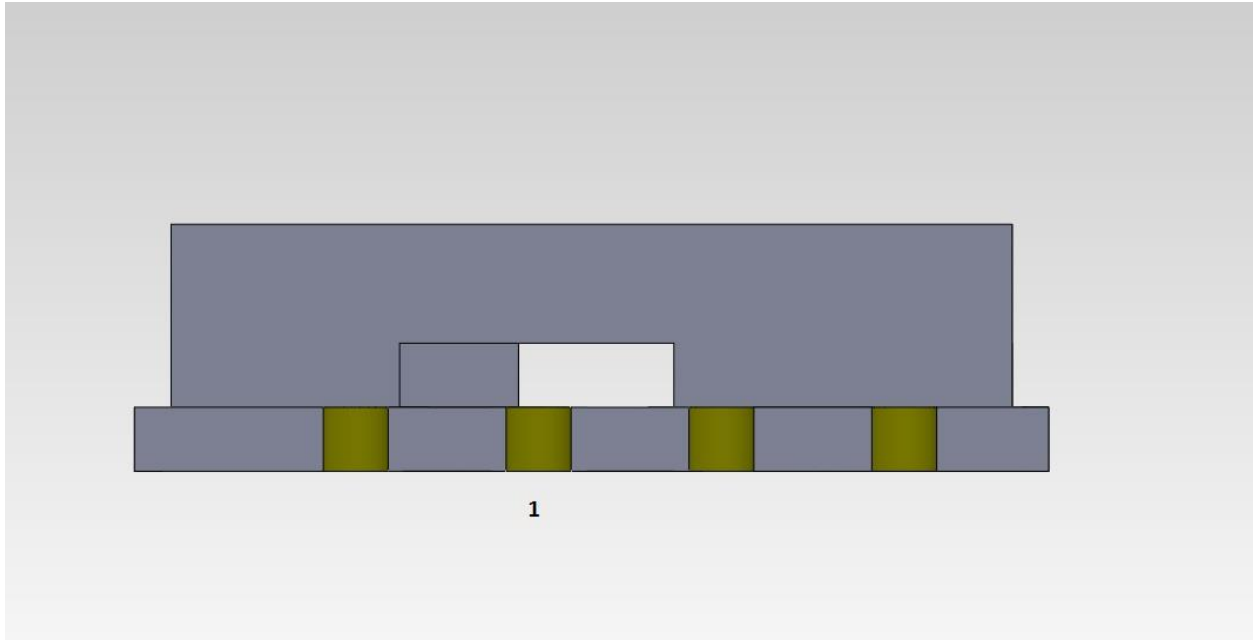
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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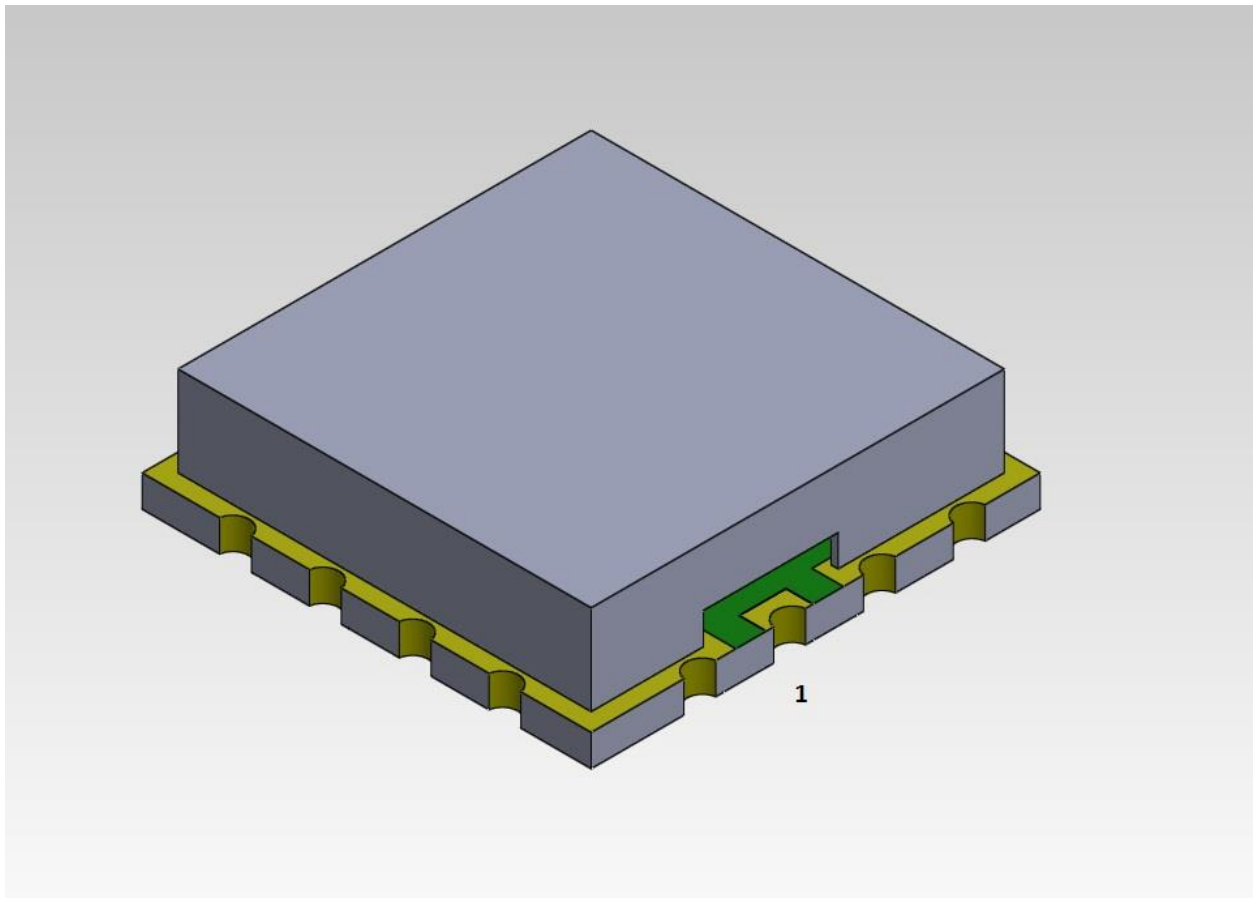
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW