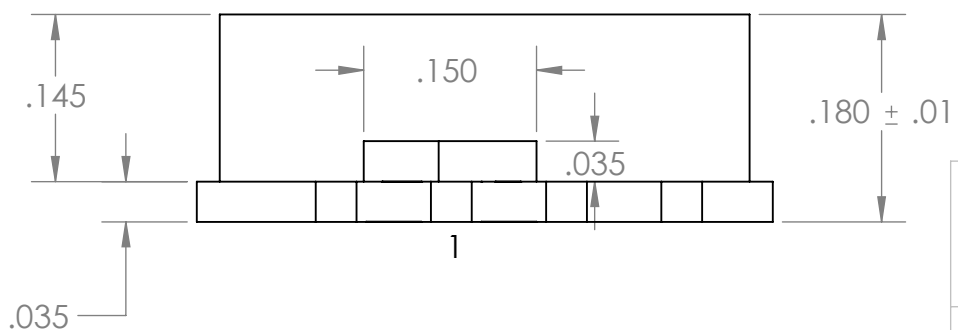
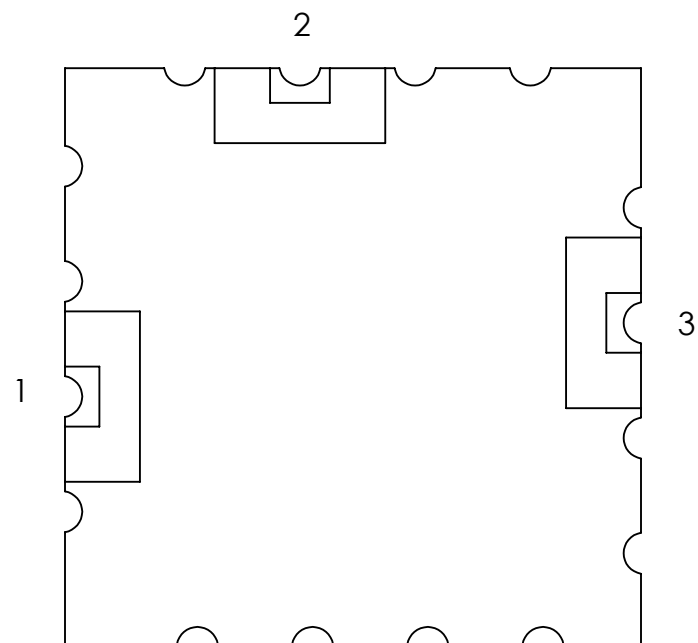
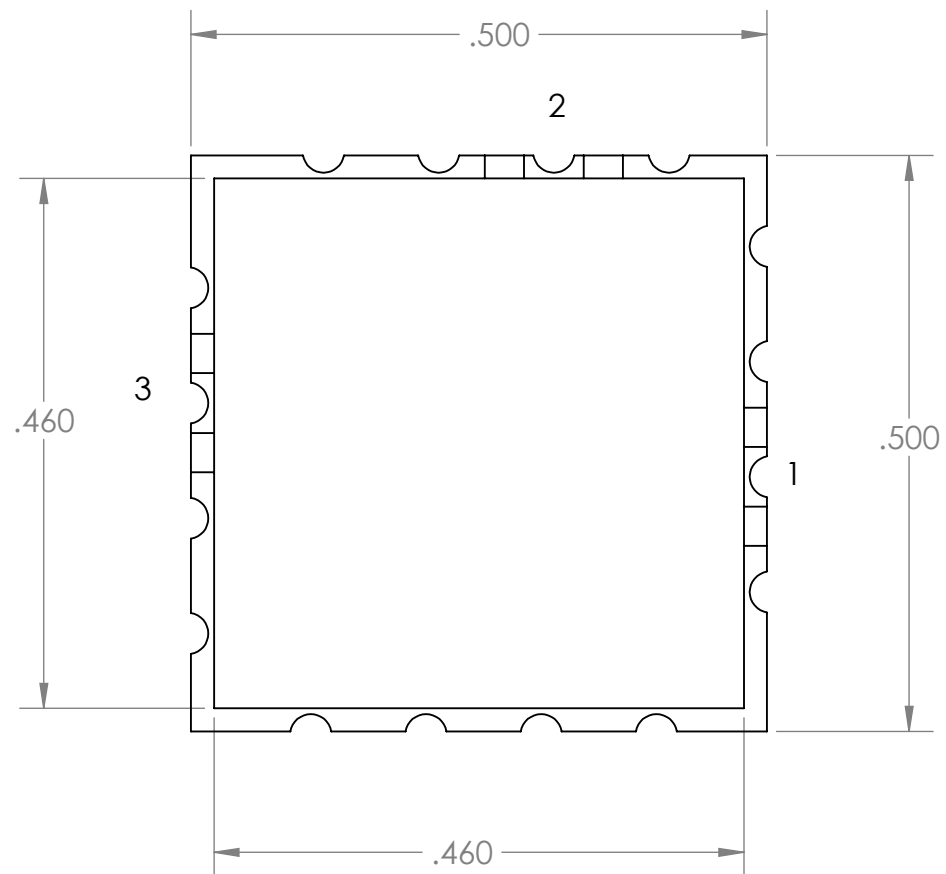




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	2050		2750	MHz	1	..	..
Frequency at Vtune = 2V	2090		2160	MHz	1	..	..
Frequency at Vtune = 7V	2515		2585	MHz	1	..	..
Tuning Voltage	0		10	V	1	..	..
Modulation Sensitivity	75	85	95	MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	9	11	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-73	-68	dBc/Hz	1	..	..
10 KHz Offset		-98	-93	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		1.5	3.0	MHz/V	3	..	..
Pulling (12dB RL, any phase)		6	10	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-20	-12	dBc	3	..	..
Vcc		5.0		V			
Icc		30		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

DRAWN

APA
Wireless
Stefan B. B. B.

DATE

2/17/2017

COMMENTS:

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

SIZE

A

DWG. NO.

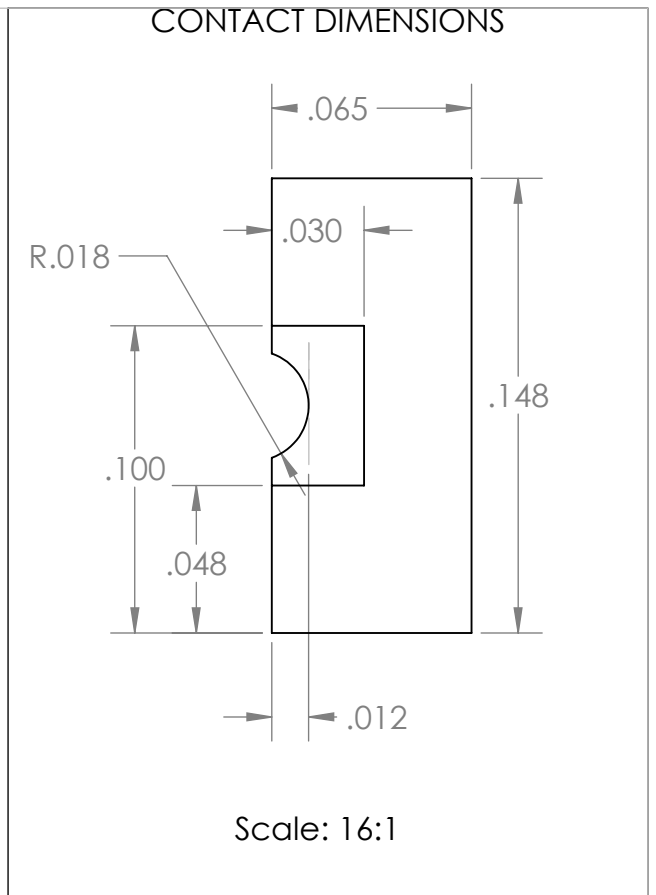
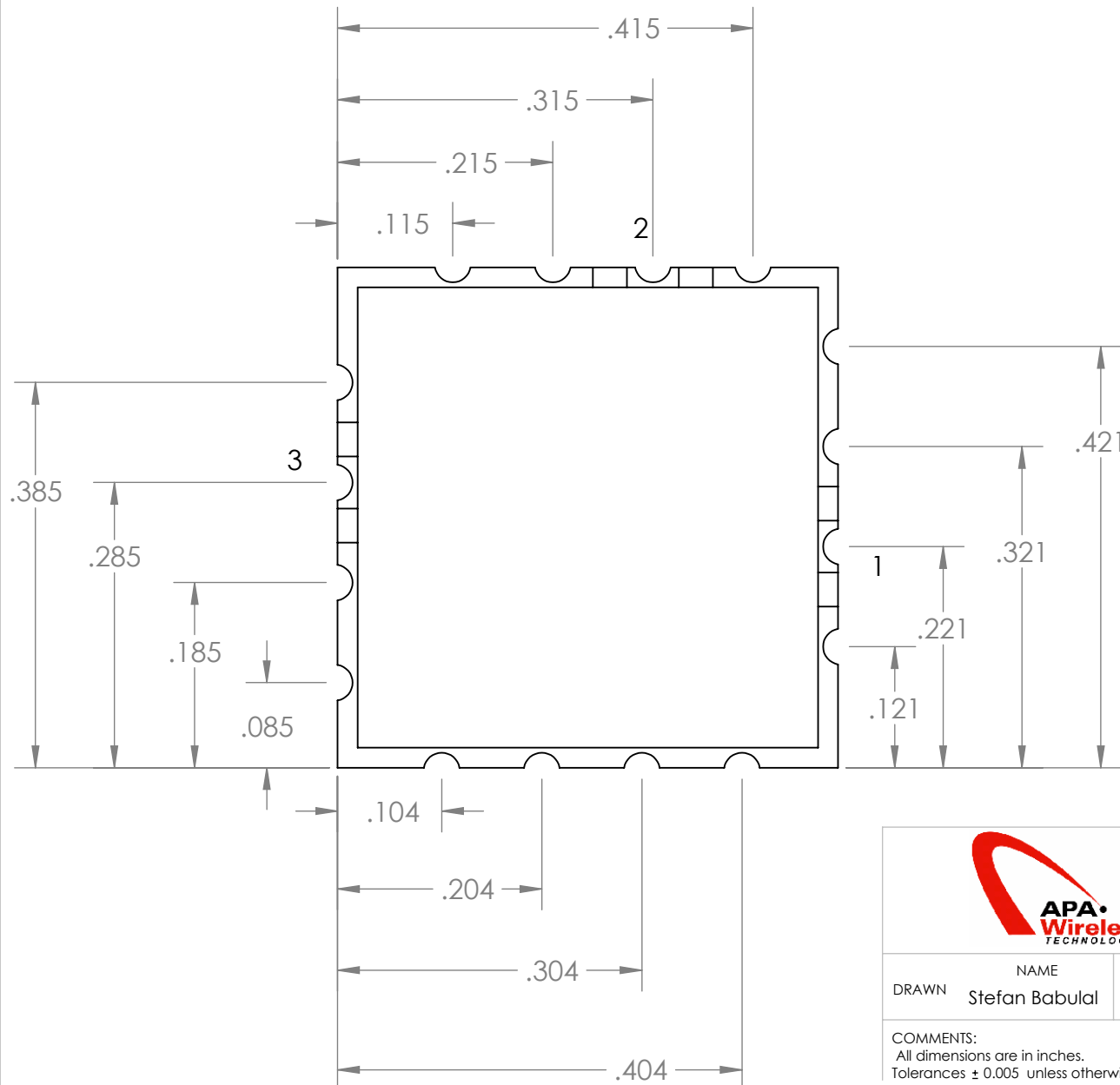
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REV

SCALE: 6:1

unit: inch

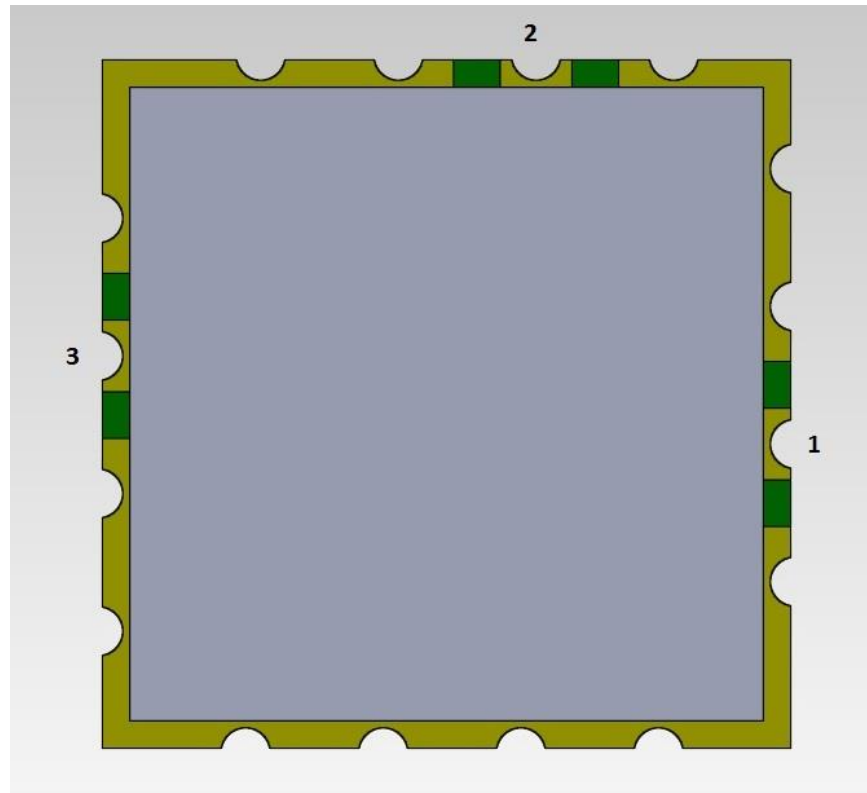
SHEET 1 OF 2



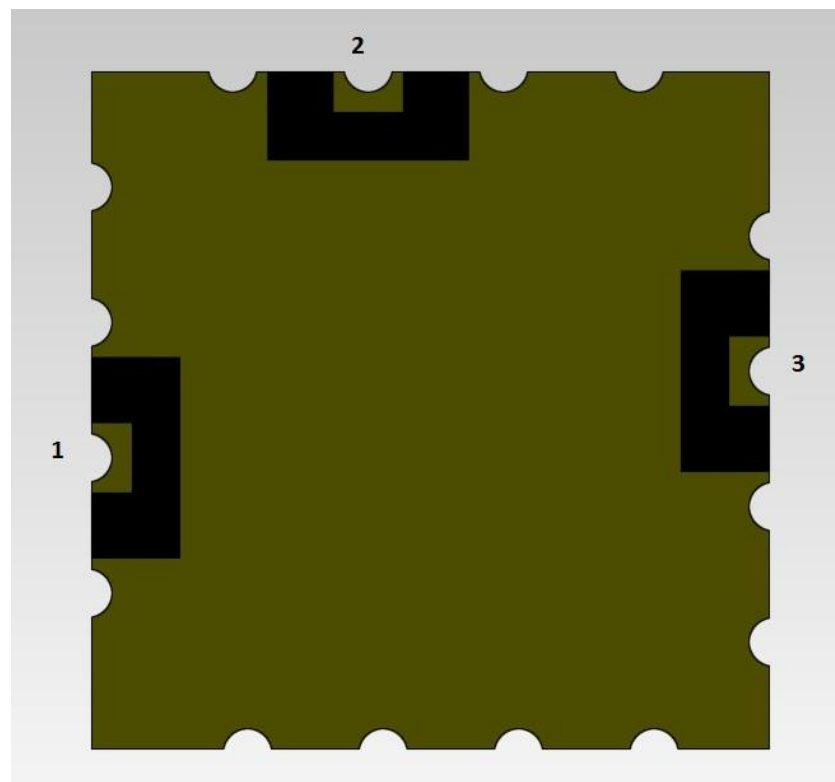
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

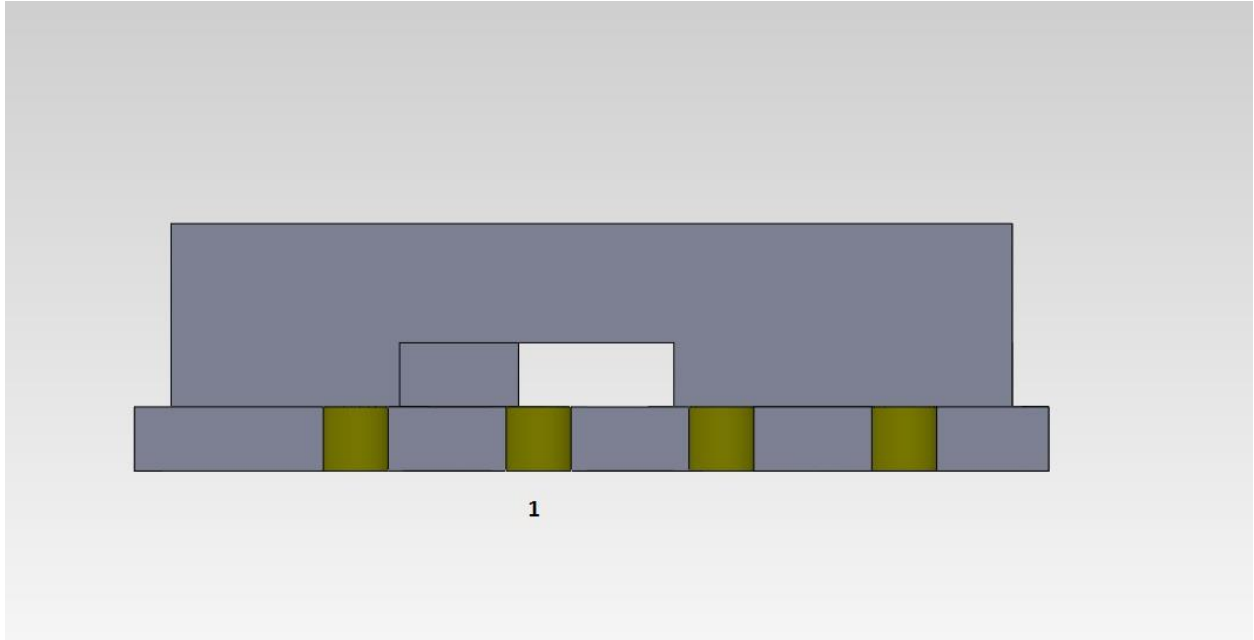
TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 2 OF 2	



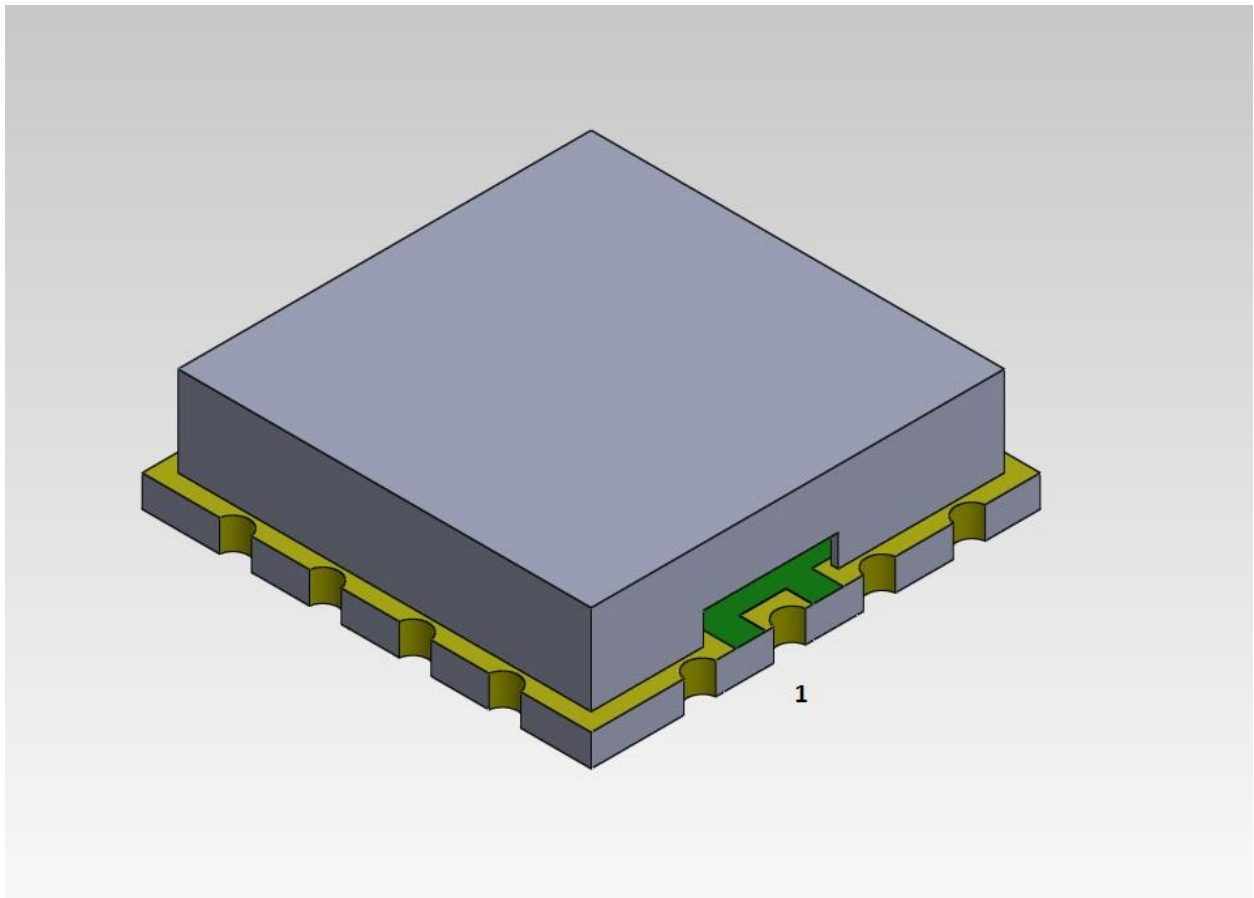
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW