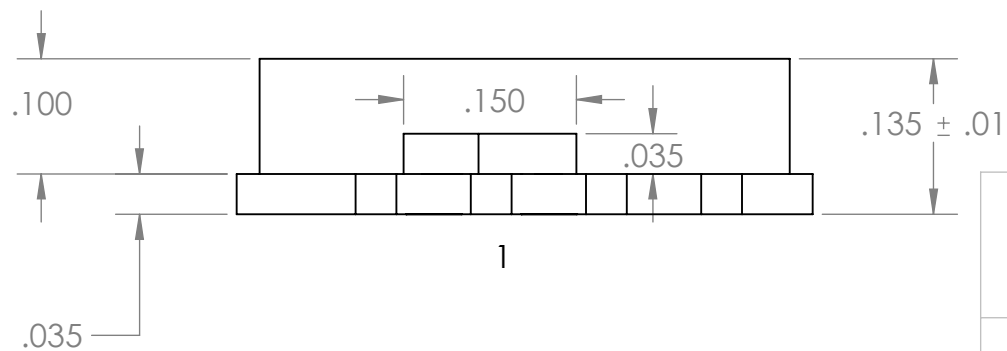
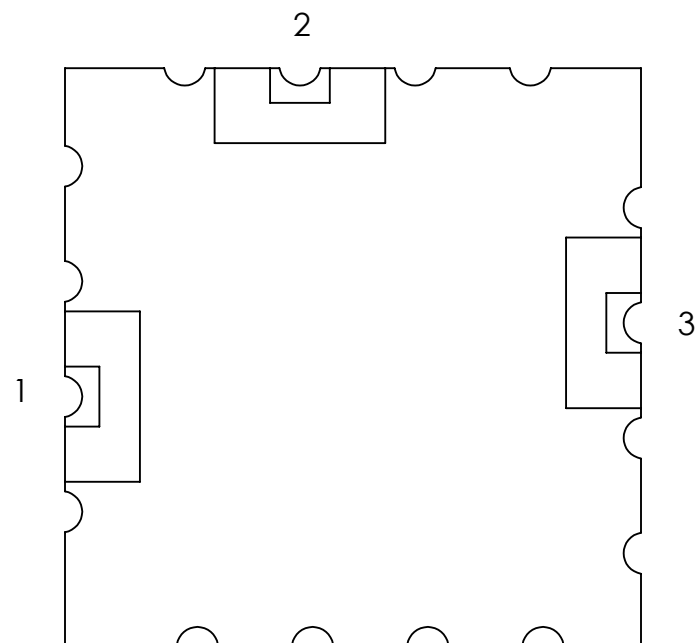
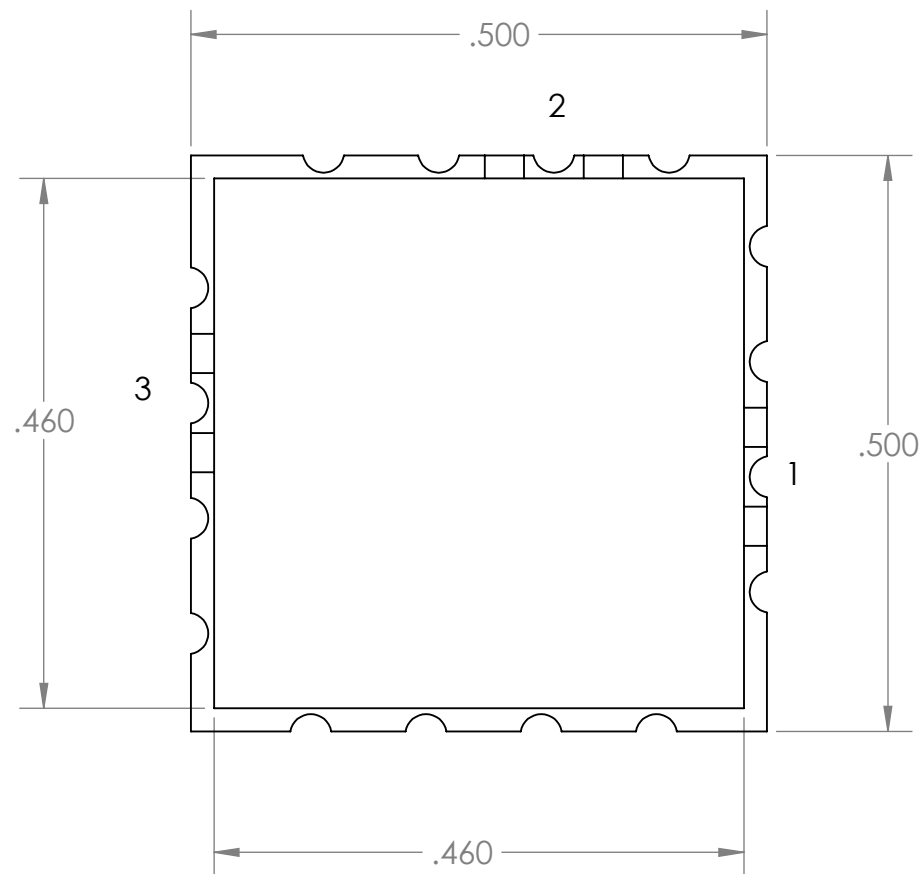




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	1000		2000	MHz	1	..	..
Tuning Voltage	1		14	V	1	..	..
Modulation Sensitivity		85		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	8.5	11	13.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-78	-72	dBc/Hz	1	..	..
10 KHz Offset		-103	-97	dBc/Hz	1	..	..
100 KHz Offset		-123	-117	dBc/Hz	1	..	..
1 MHz Offset		-143	-137	dBc/Hz	1	..	..
10 MHz Offset		-163	-156	dBc/Hz	1	..	..
Pushing		0.5	1.5	MHz/V	3	..	..
Pulling (12 dB R.L.)		10	20	MHz _{p-p}	3	..	..
Modulation Bandwidth		10		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-20	-10	dBc	3	..	..
Vcc		12		V			
Icc		30		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA			6		
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
6. RoHS Compliant



CONTACT ASSIGNMENTS

1. RF OUT

2. SUPPLY INPUT

3. TUNING VOLTAGE INPUT

ALL OTHER CONTACTS ARE GROUND



TITLE:

R1020SMUA12_135

DRAWN

NAME
Stefan Babulal

DATE

2/17/2017

SIZE
A

DWG. NO.

1

REV

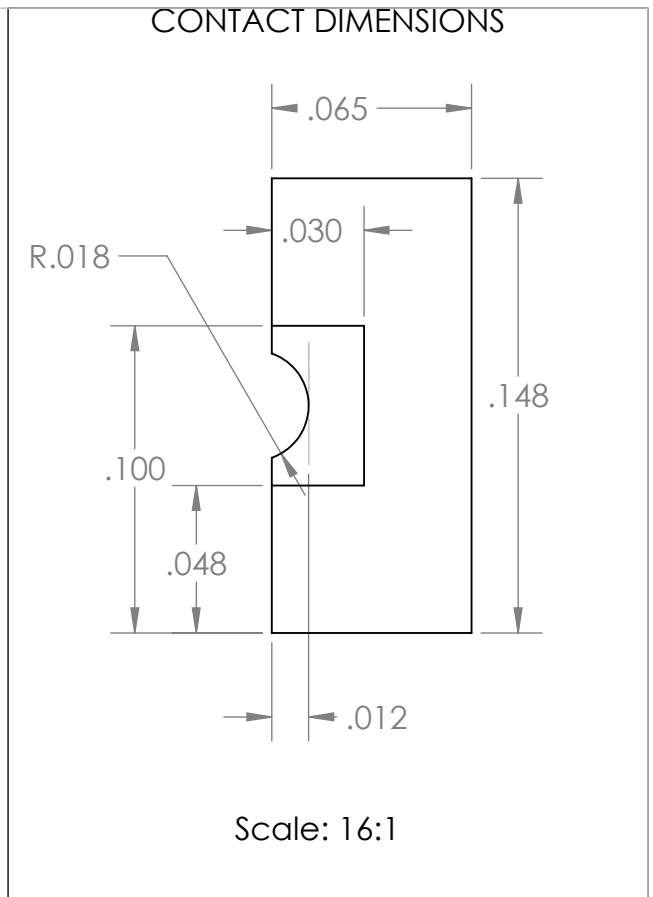
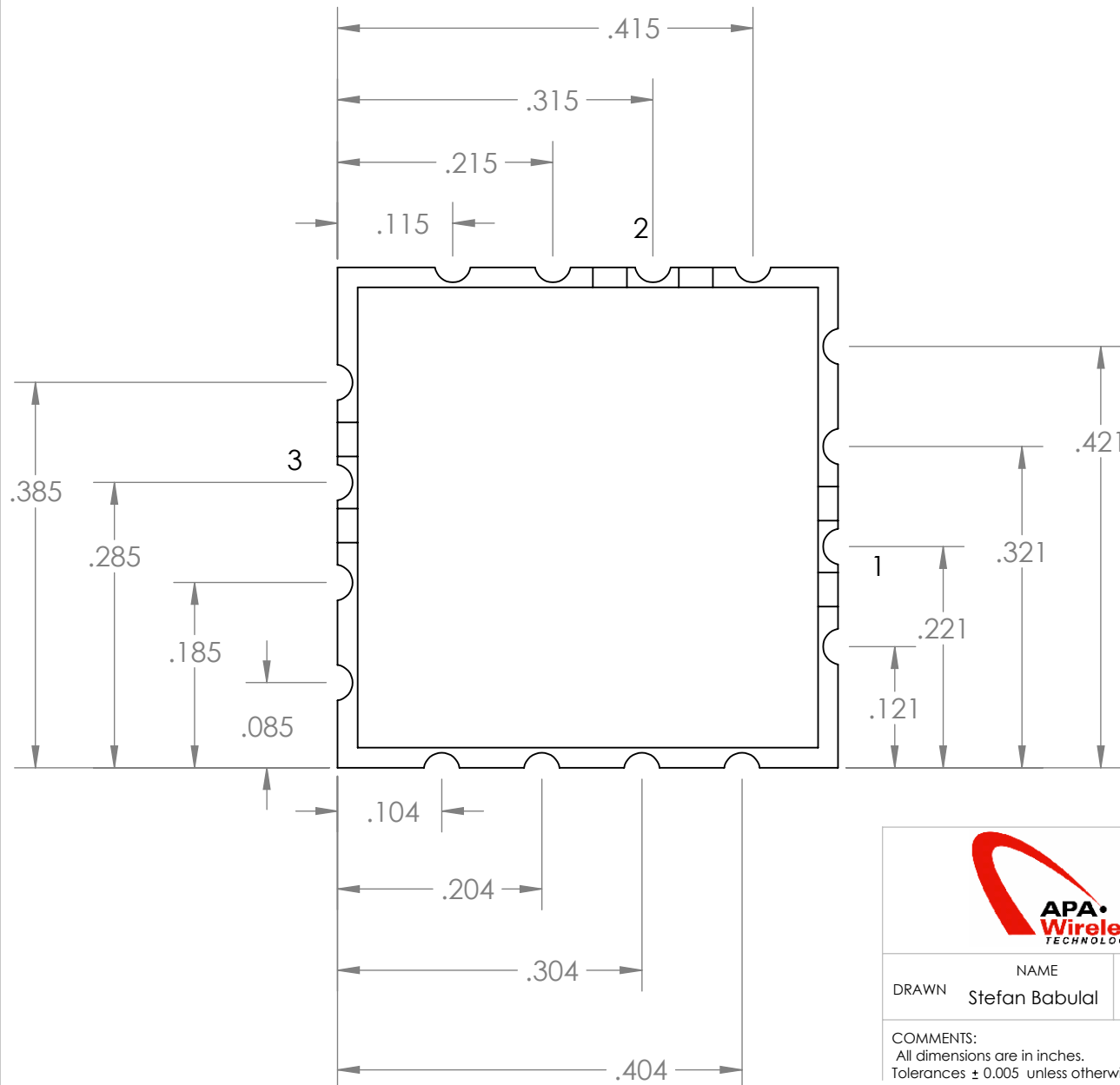
COMMENTS:

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

SCALE: 6:1

unit: inch

SHEET 1 OF 2



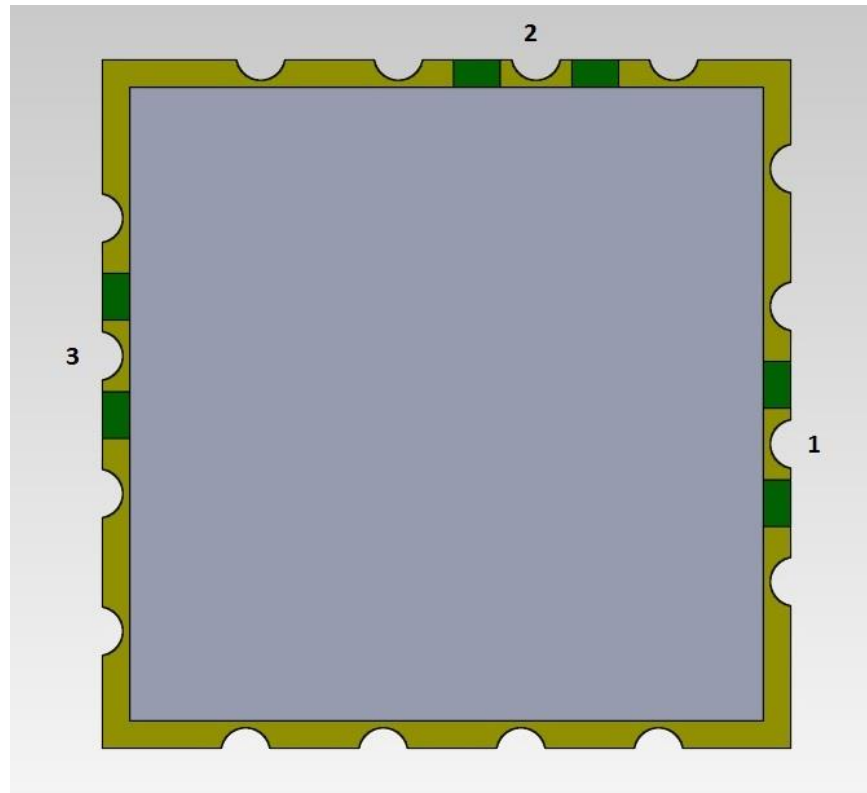
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

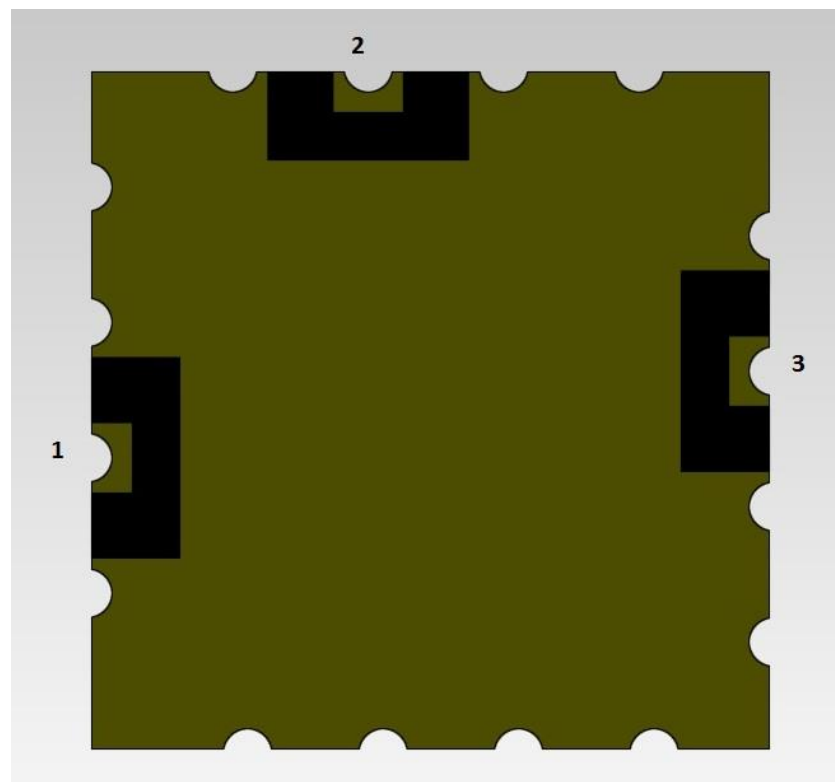
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R1020SMUA12_135

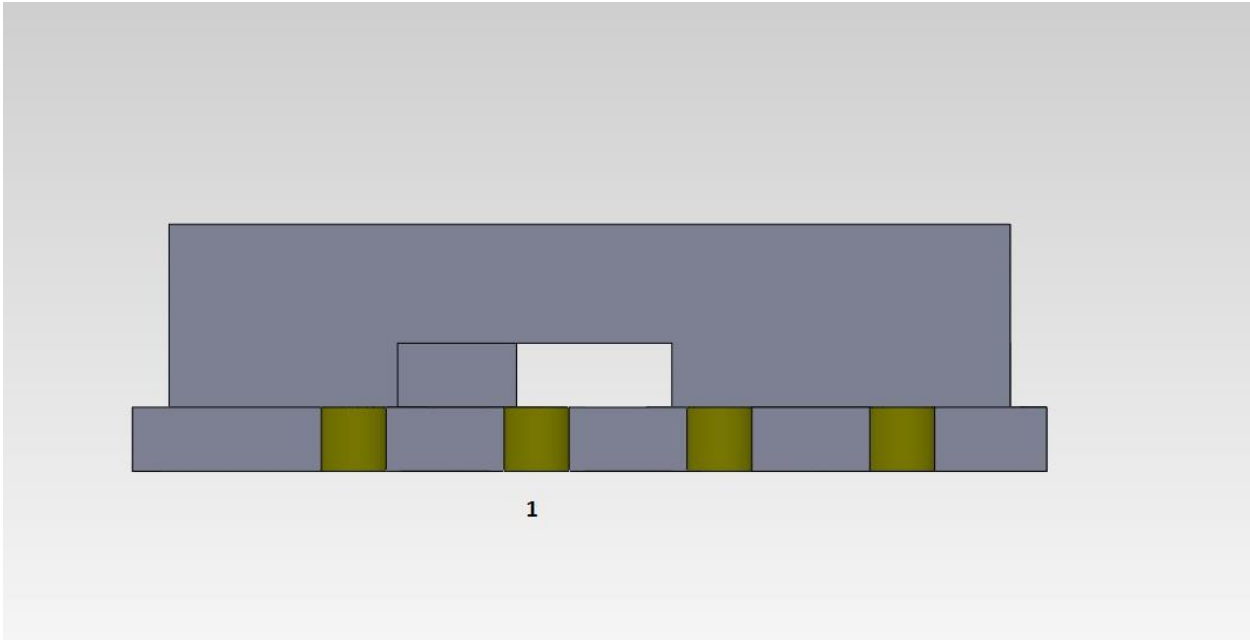
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 2 OF 2



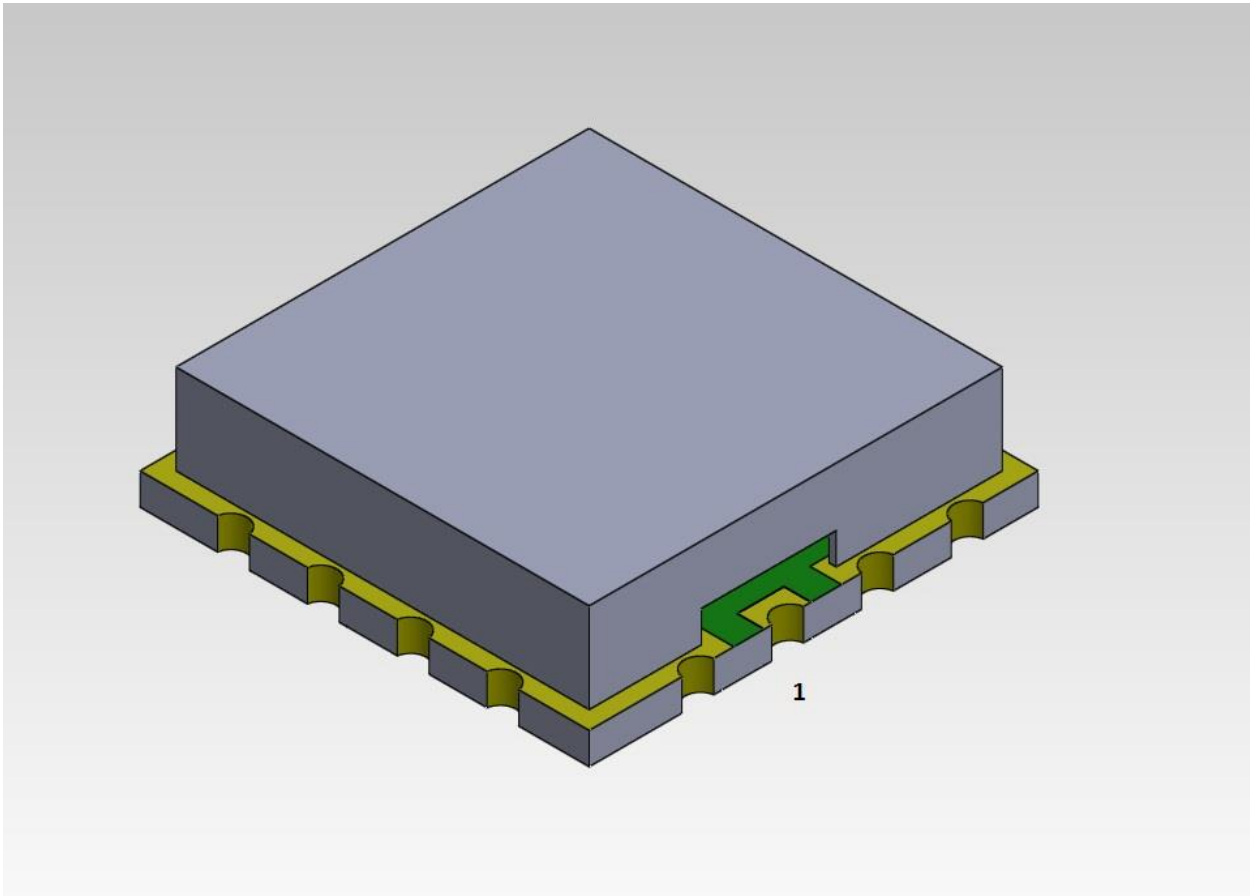
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW