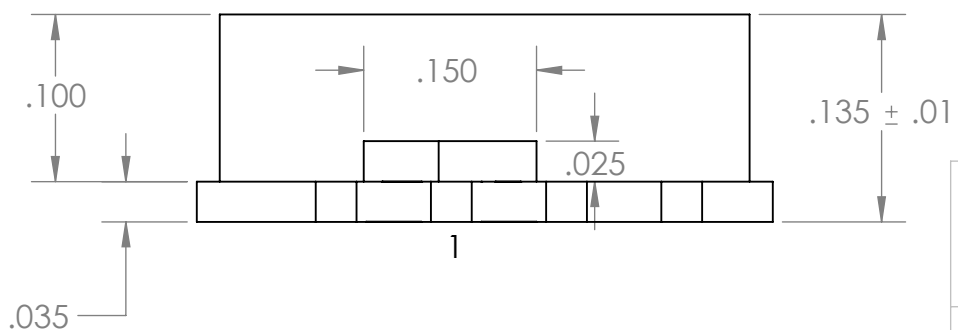
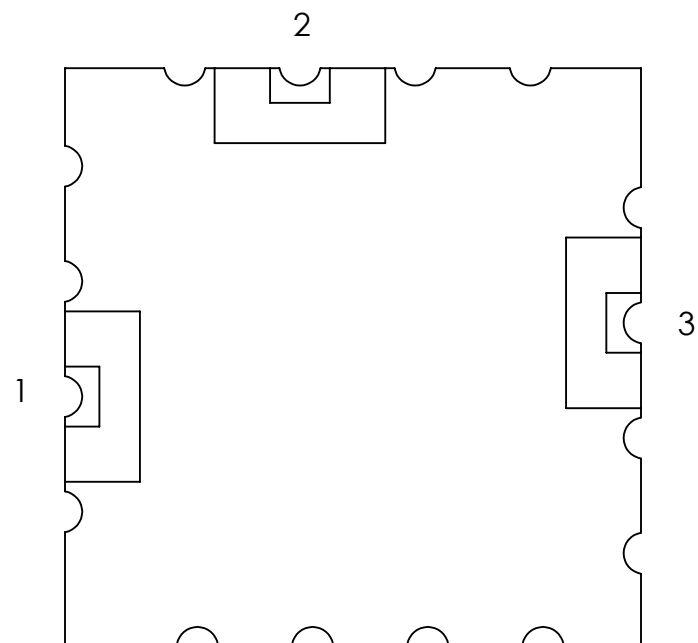
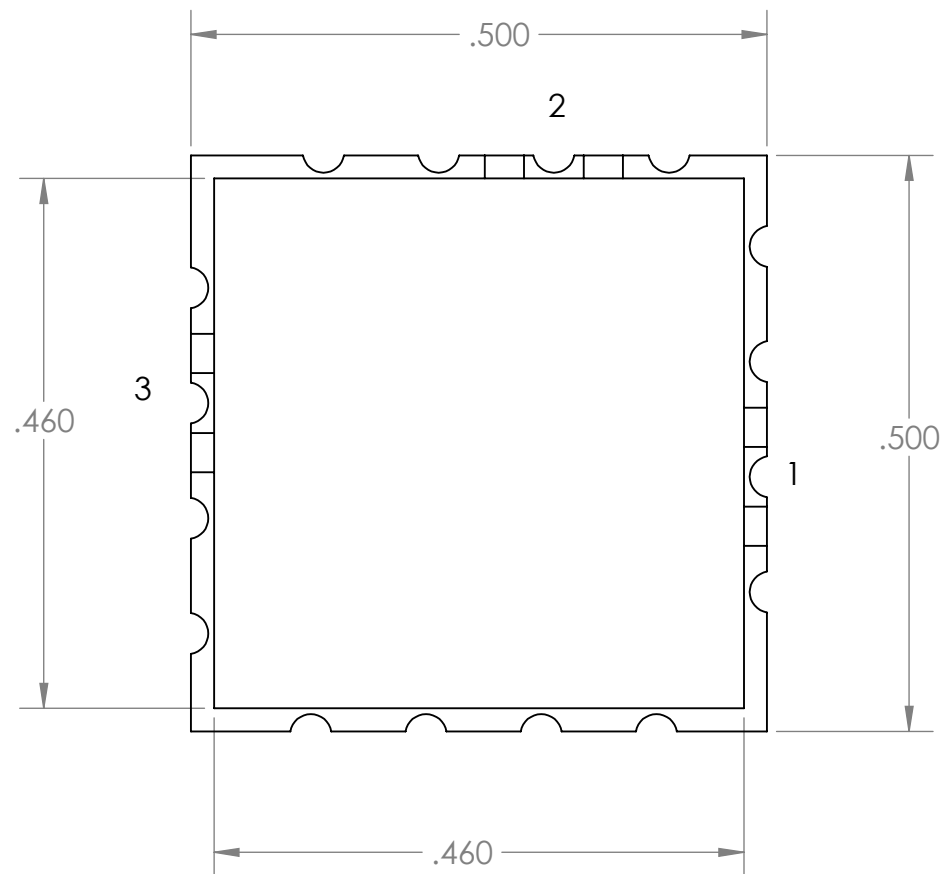




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	3980		4020	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		40		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2.5	0	2.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-75	-70	dBc/Hz	1	..	..
10 KHz Offset		-100	-95	dBc/Hz	1	..	..
100 KHz Offset		-120	-115	dBc/Hz	1	..	..
1 MHz Offset		-140	-135	dBc/Hz	1	..	..
10 MHz Offset		-160	-155	dBc/Hz	1	..	..
Pushing		3	5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		10	20	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		20		pF	2	..	..
Harmonics		-20	-10	dBc	3	..	..
Vcc		5		V		..	..
Icc		26		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



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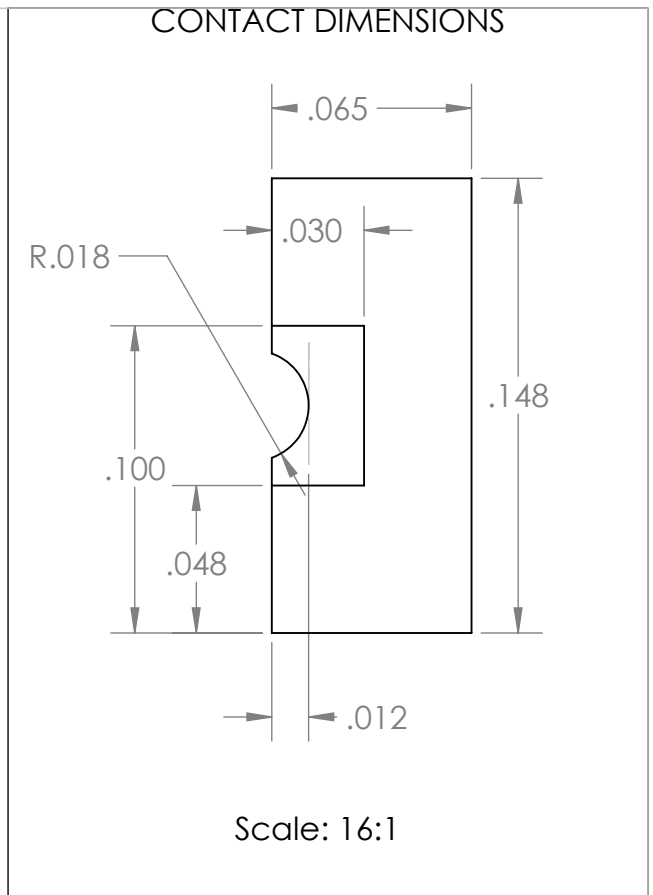
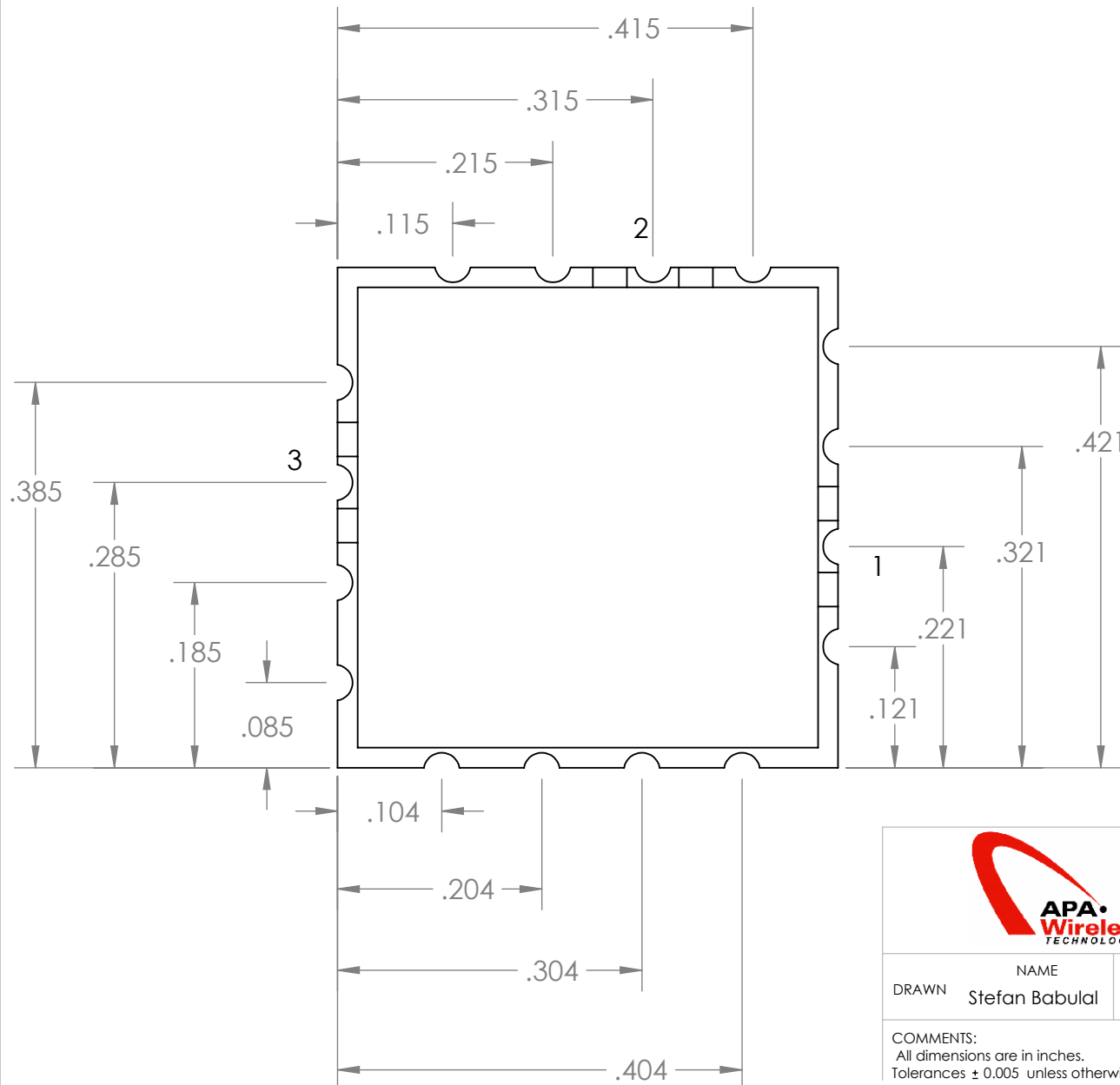
COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE:

SMUA_135

SIZE A	DWG. NO. 1	REV
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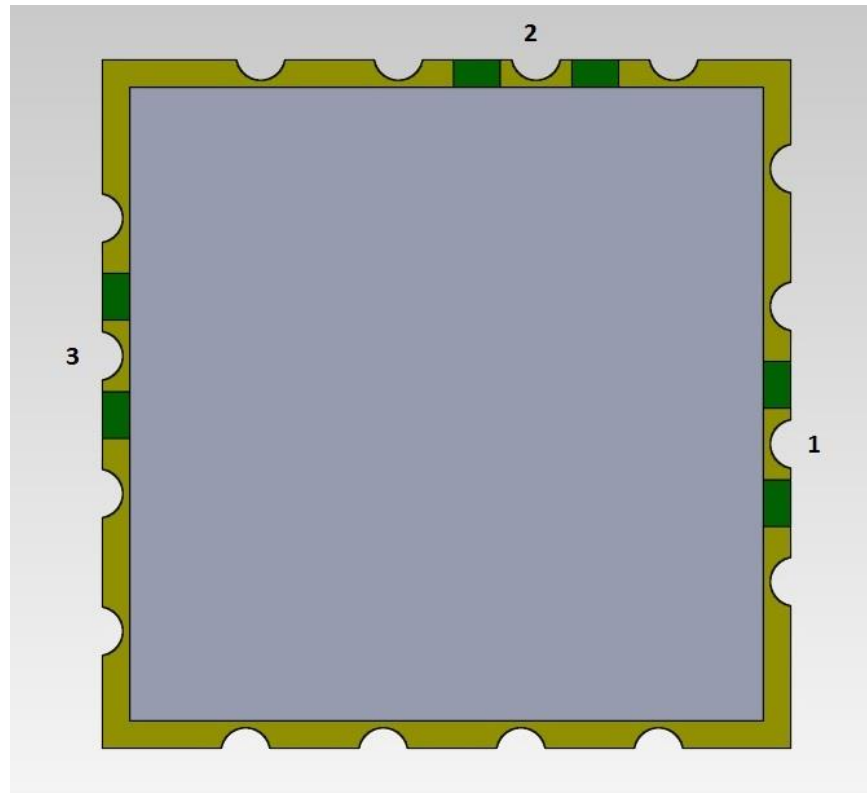
SCALE: 6:1	unit: inch	SHEET 1 OF 2
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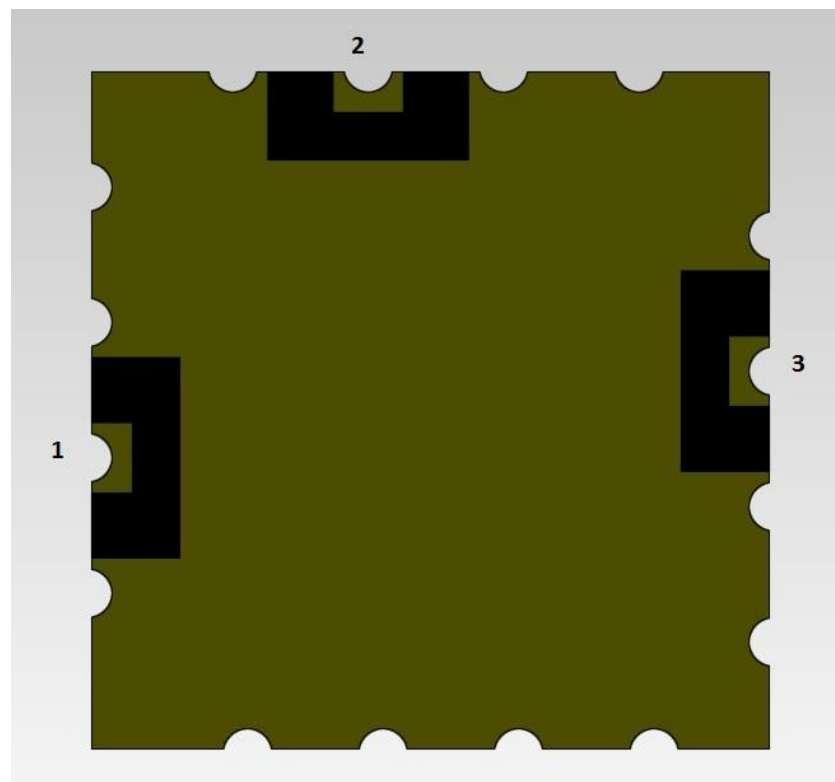
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

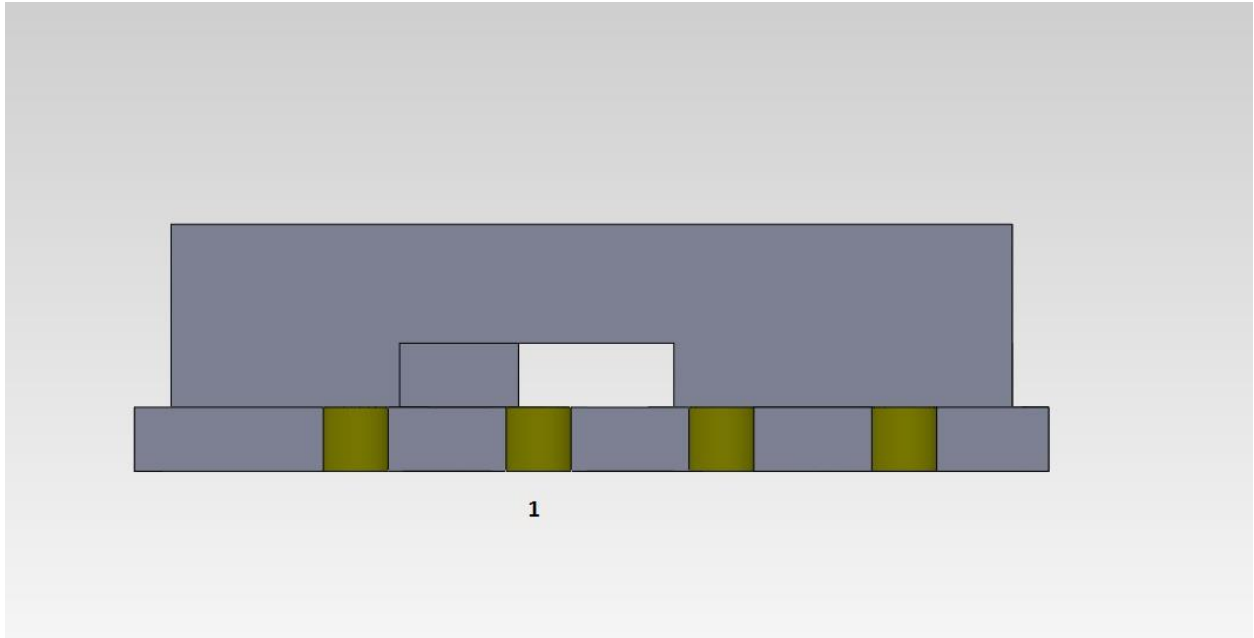
TITLE: SMUA_135		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 2 OF 2



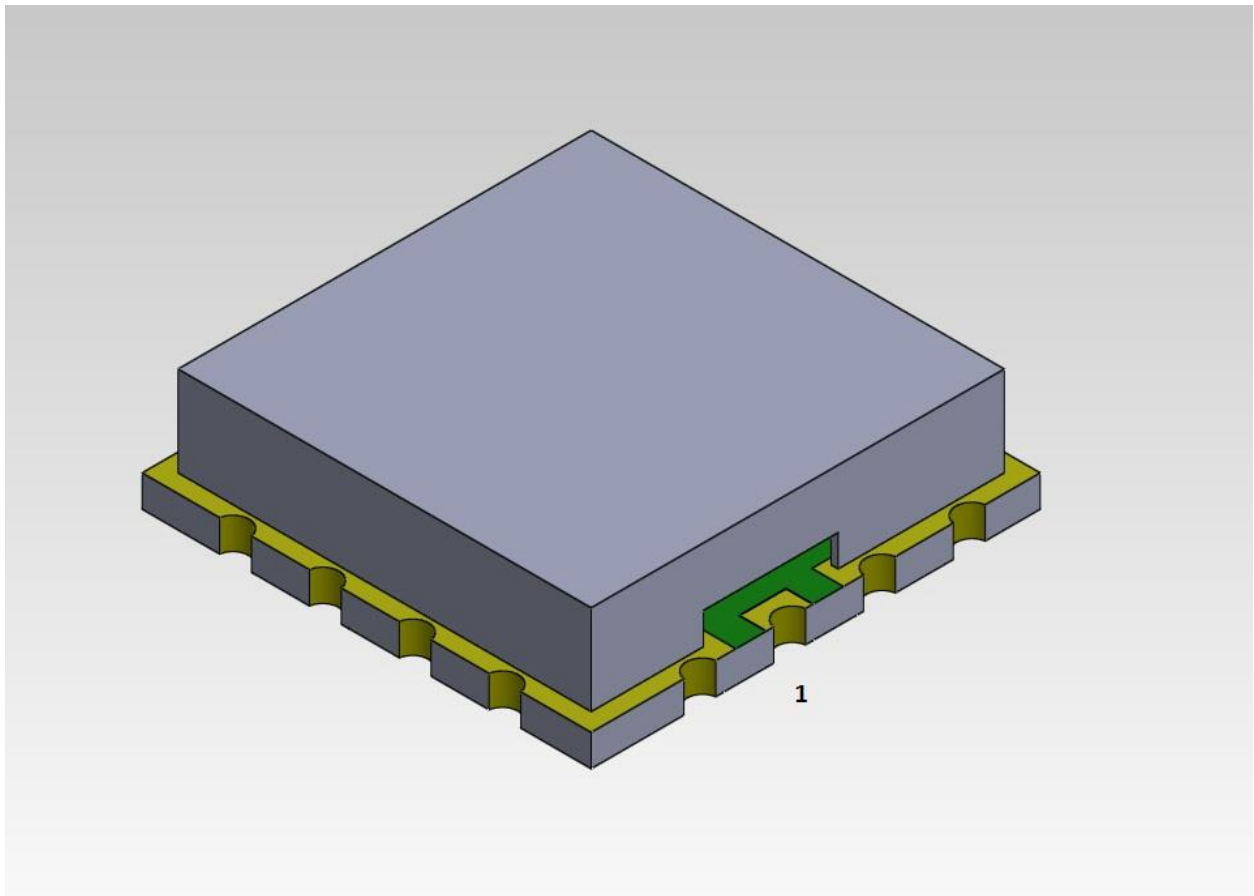
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW