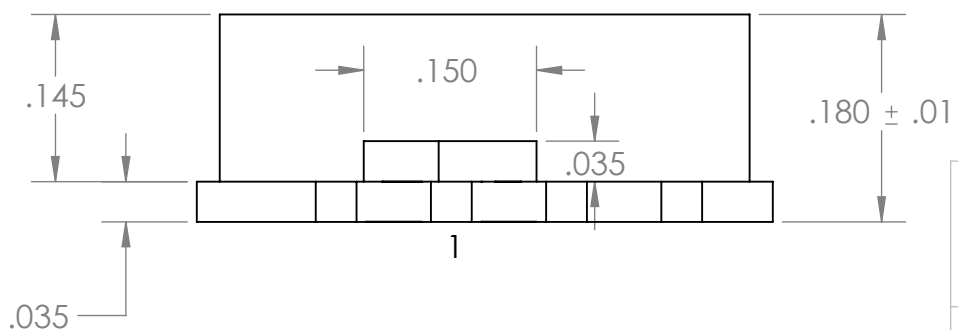
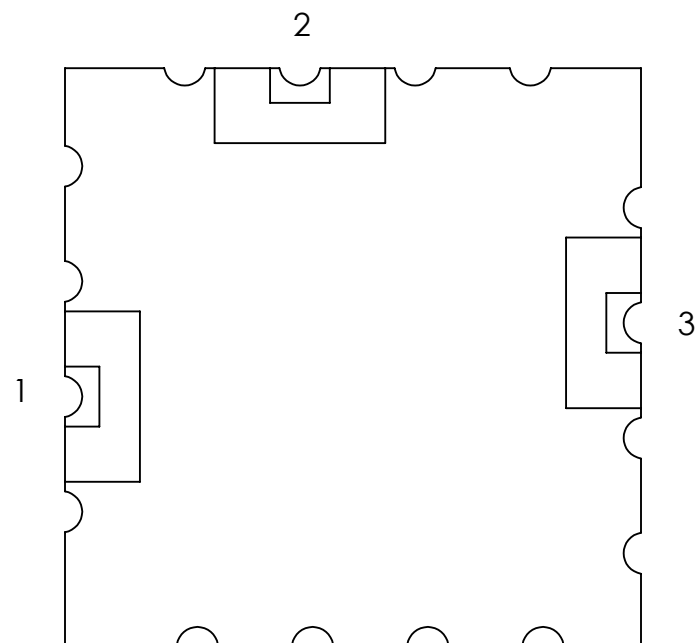
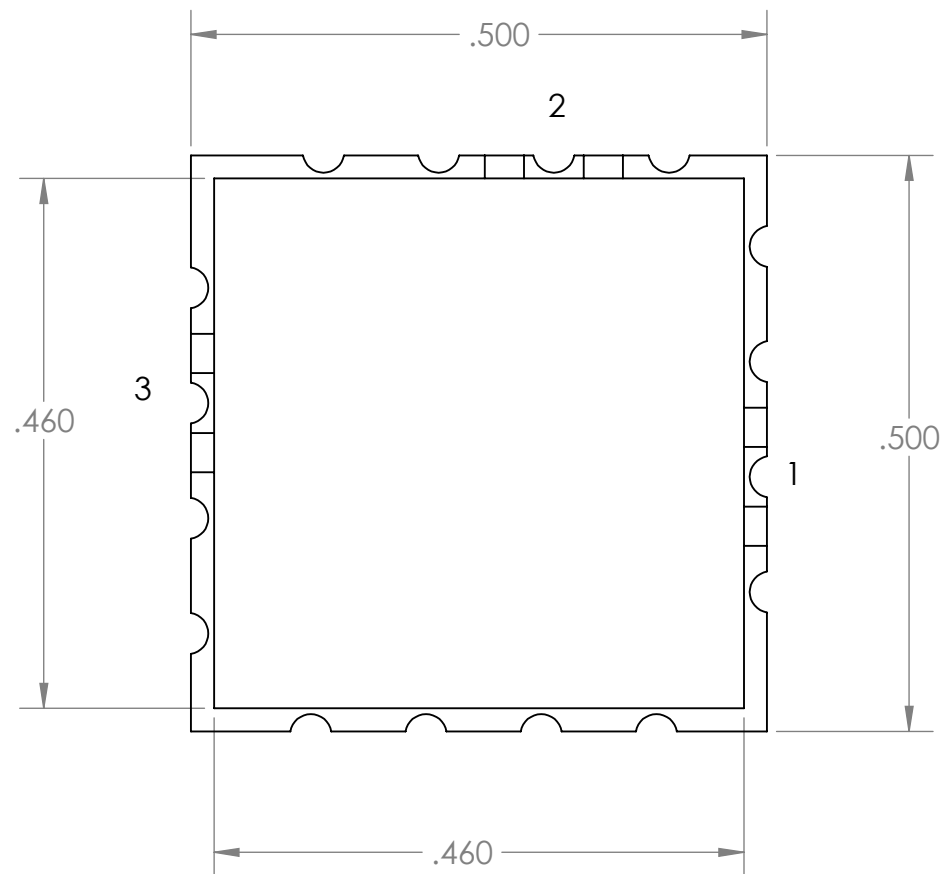




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	1400		1850	MHz	1	..	..
Frequency at 2V Tuning	1425		1495	MHz	1	..	..
Frequency at 7V Tuning	1725		1795	MHz	1	..	..
Tuning Voltage	0		9	V	1	..	..
Modulation Sensitivity	50	60	70	MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	9	11	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-77	-72	dBc/Hz	1	..	..
10 KHz Offset		-102	-98	dBc/Hz	1	..	..
100 KHz Offset		-122	-118	dBc/Hz	1	..	..
1 MHz Offset		-142	-138	dBc/Hz	1	..	..
10 MHz Offset		-162	-158	dBc/Hz	1	..	..
Pushing		2	4	MHz/V	3	..	..
Pulling (12dB RL, any phase)		4	8	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-20	12	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		0.180		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

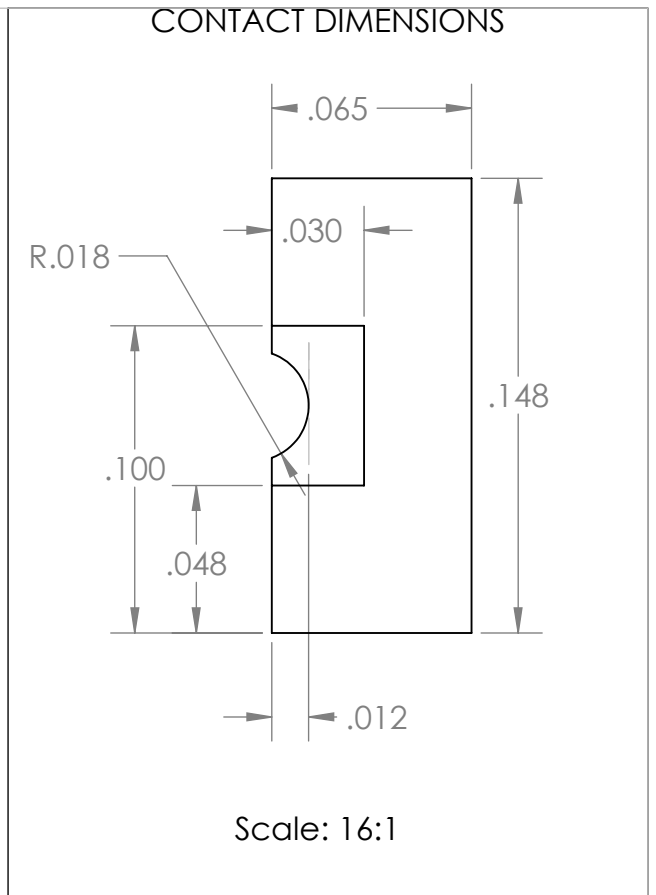
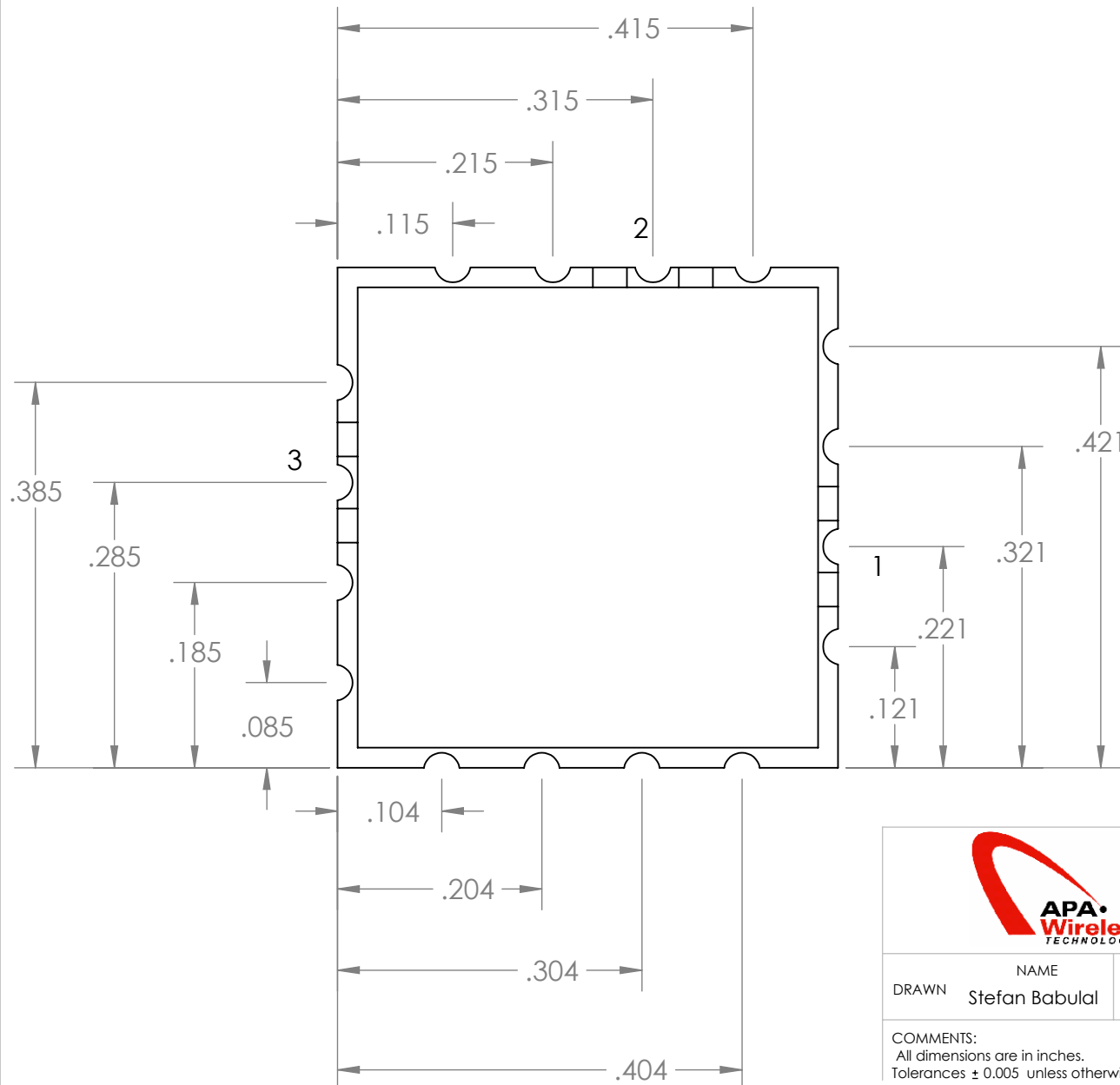


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



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

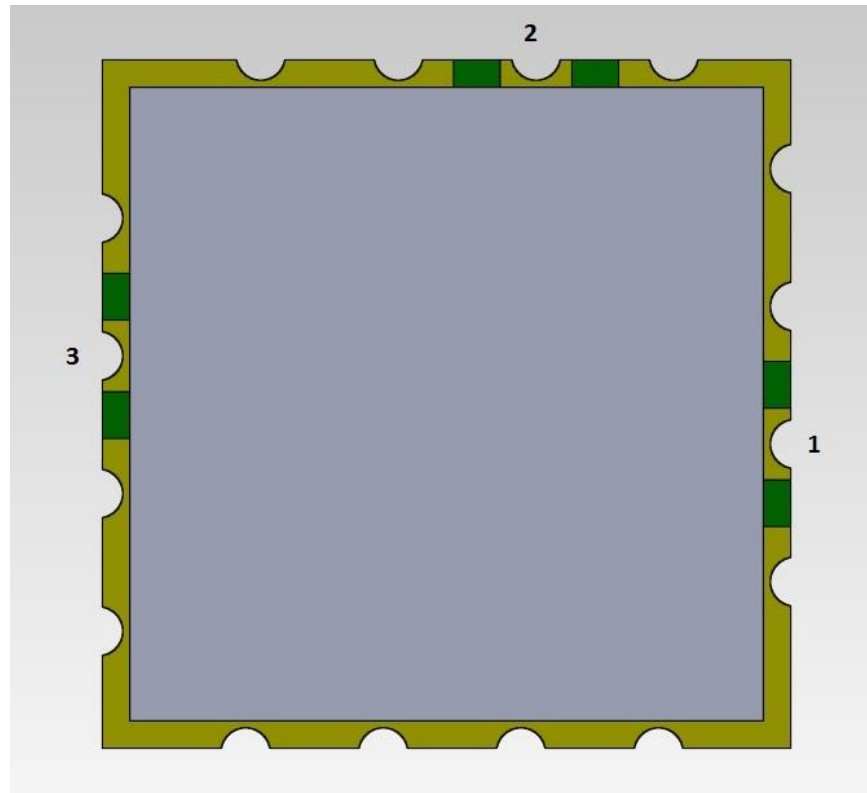
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



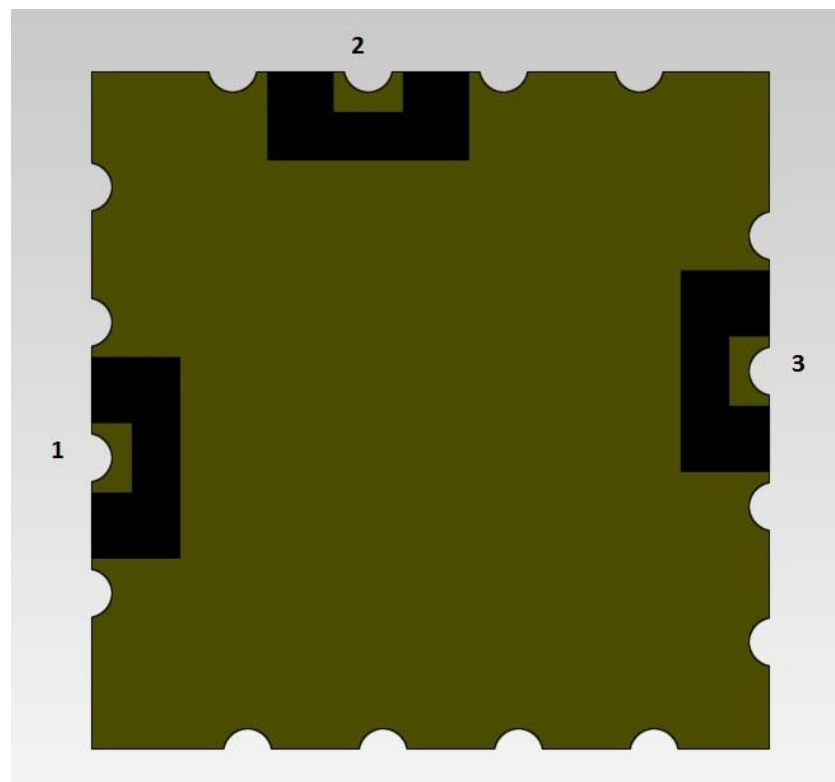
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

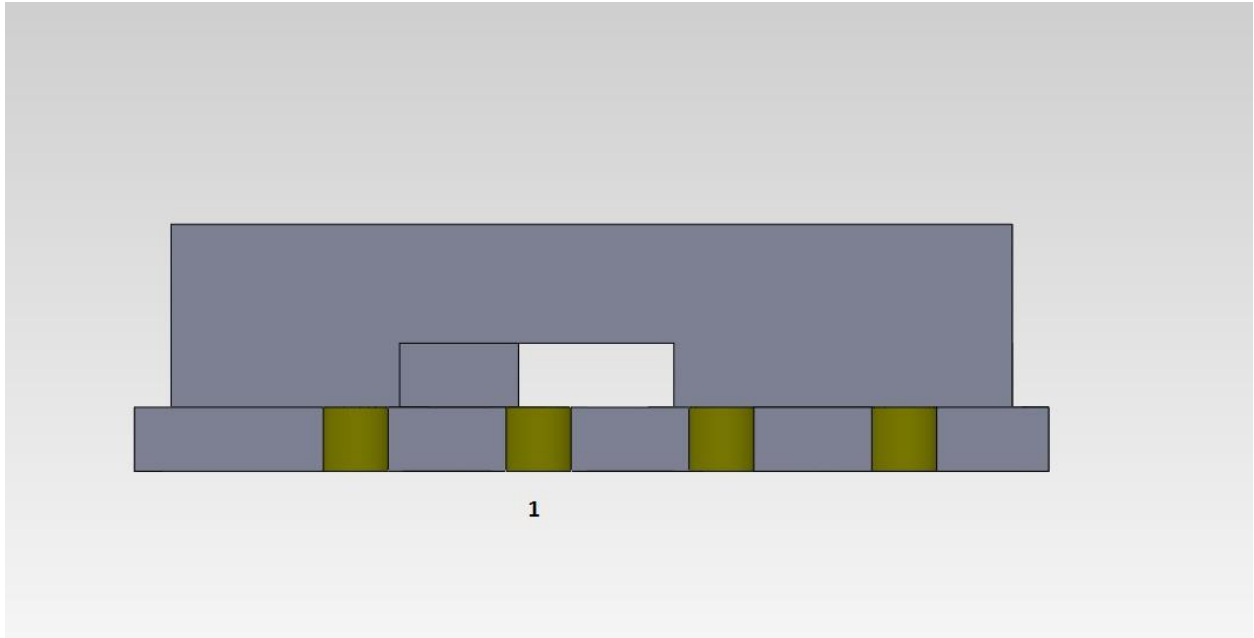
TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 2 OF 2	



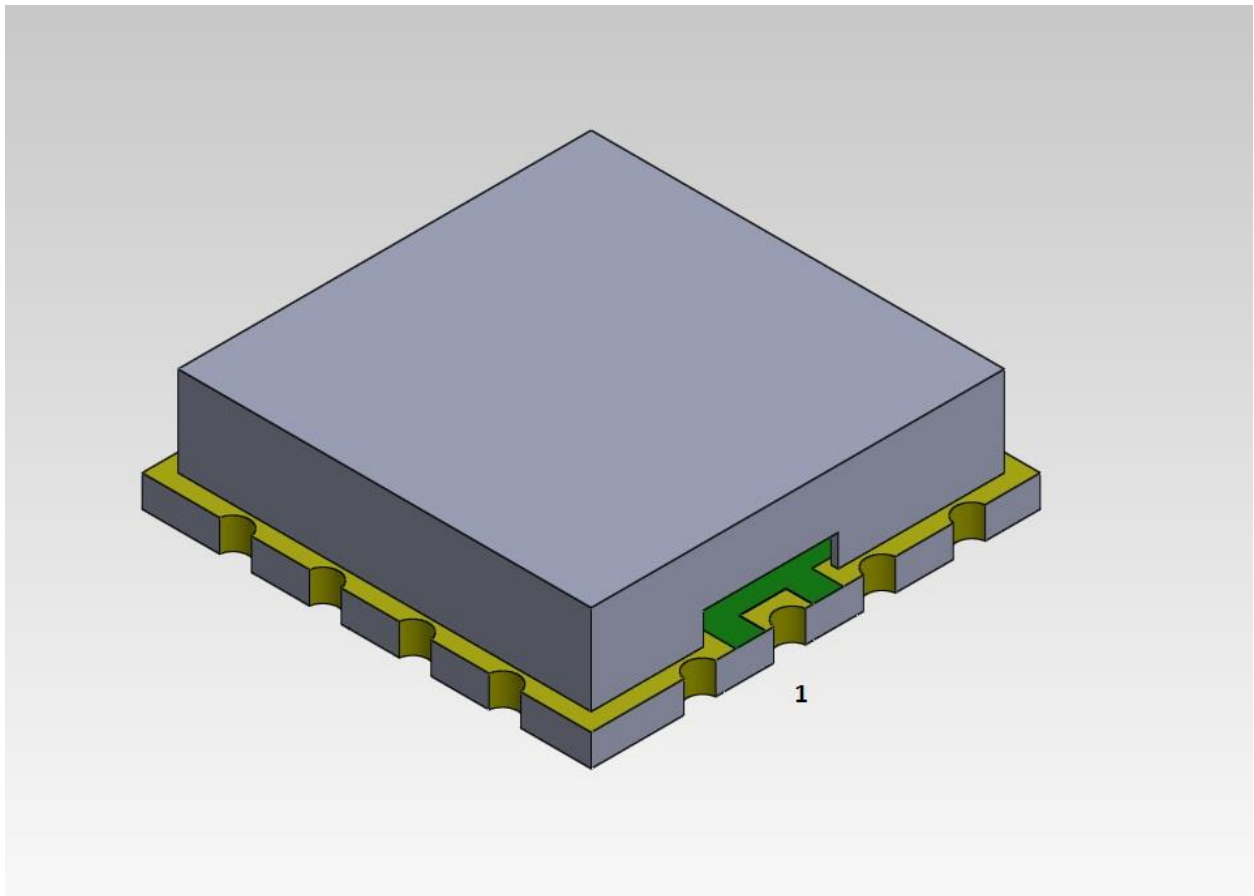
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW