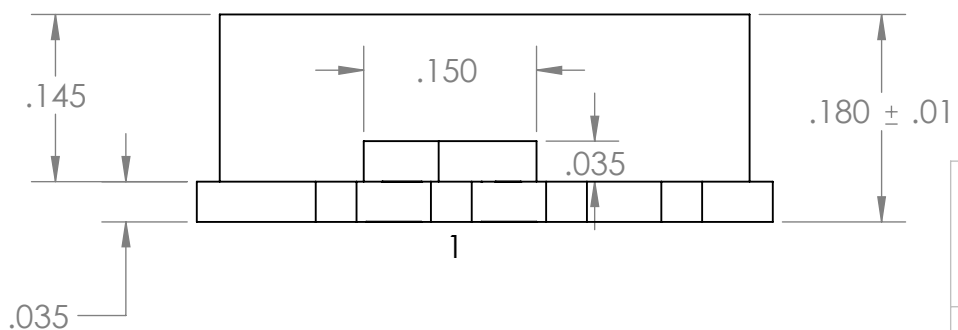
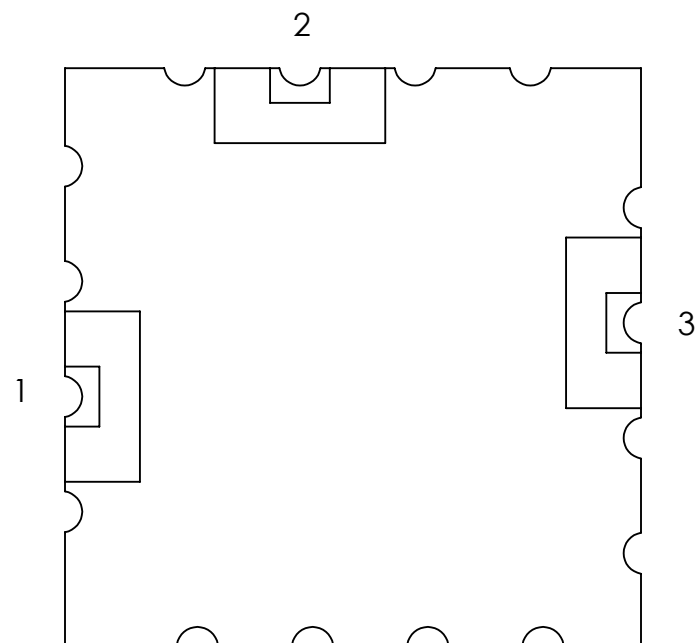
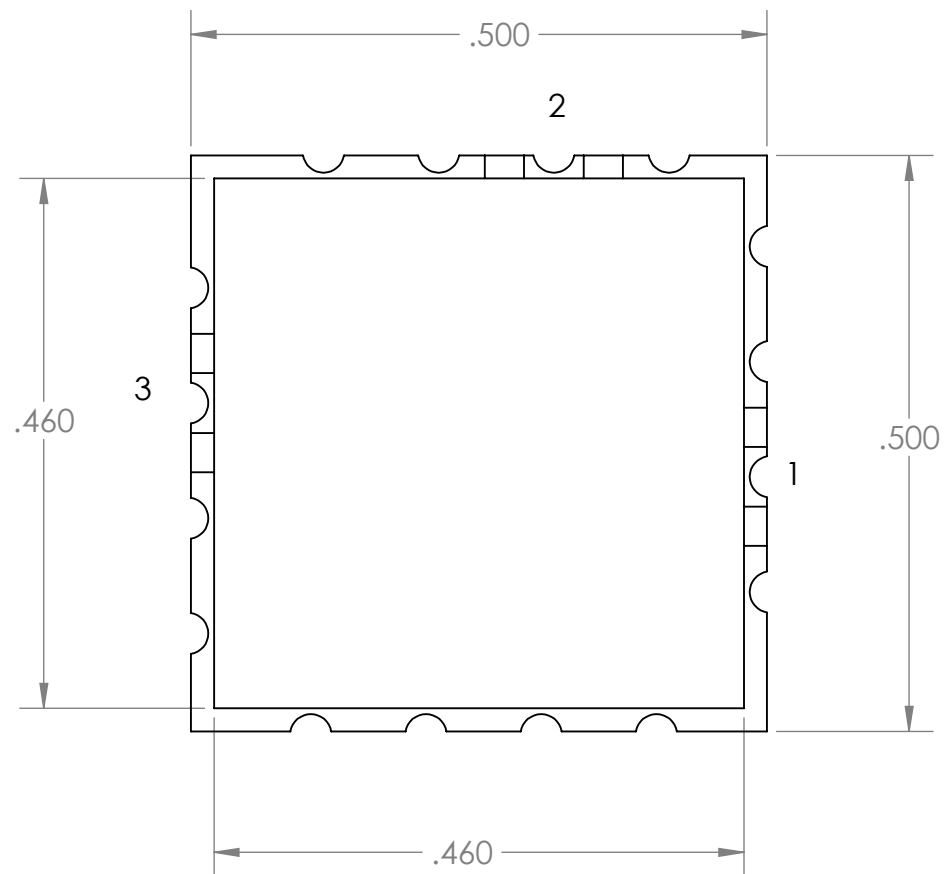




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	1950		2350	MHz	1	..	..
Frequency at Vtune = 2V	1955		2025	MHz	1	..	..
Frequency at Vtune = 7V	2255		2325	MHz	1	..	..
Tuning Voltage	0		9	V	1	..	..
Modulation Sensitivity	50	60	70	MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	9	11	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-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		1.5	3.0	MHz/V	3	..	..
Pulling (12dB RL, any phase)		5	10	MHz _{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		57		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V			
Icc		27		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

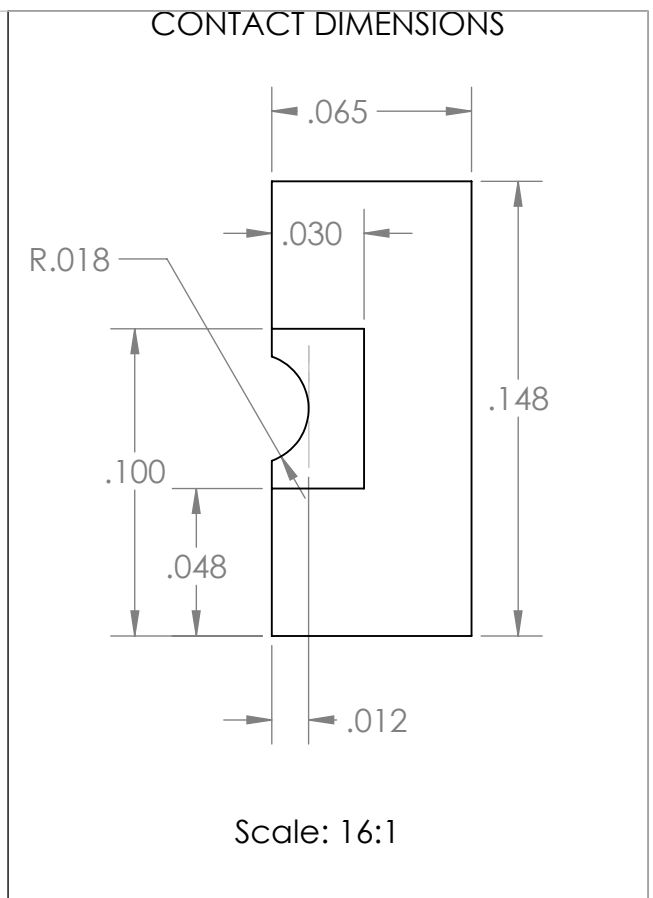
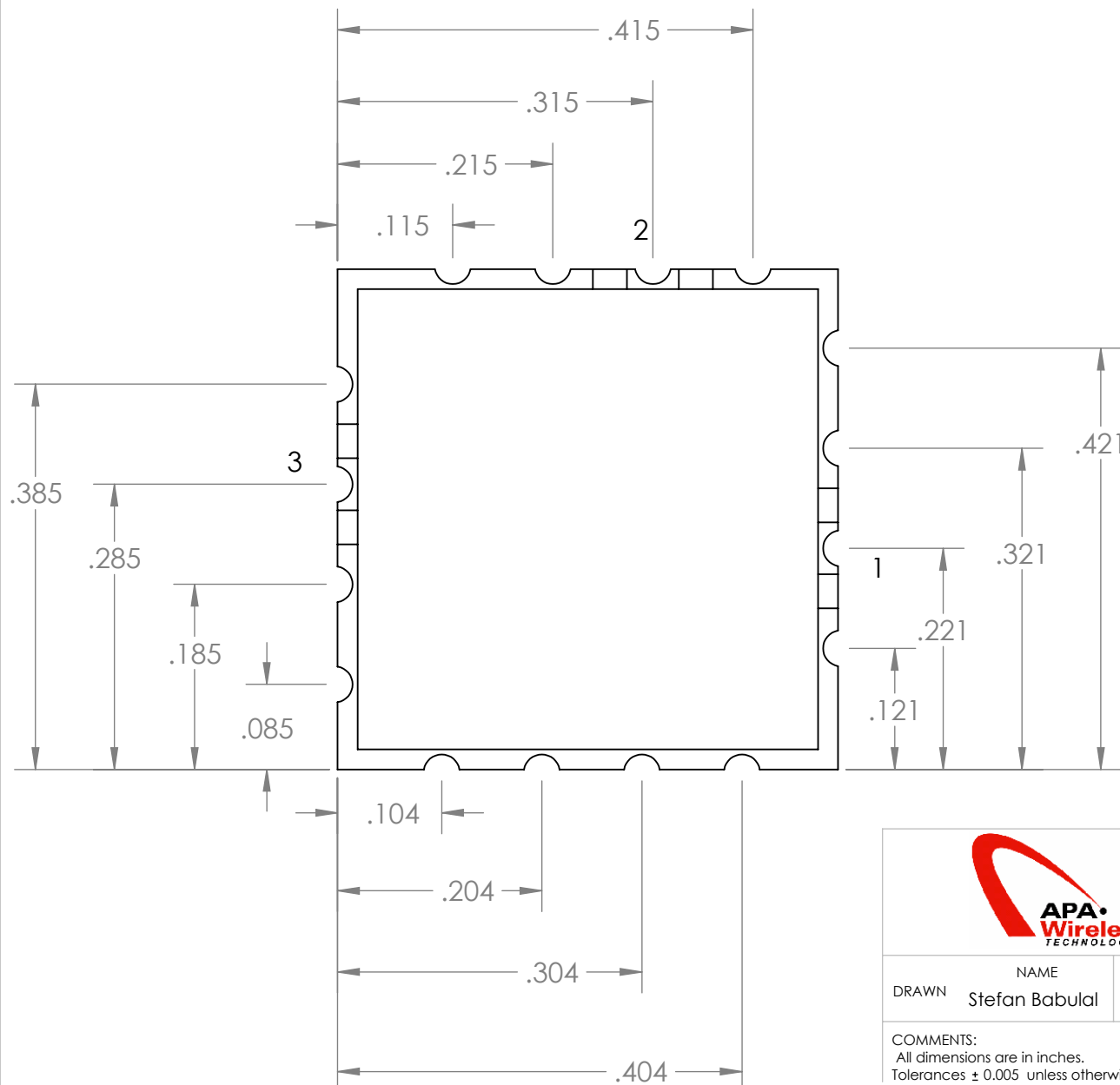


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



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

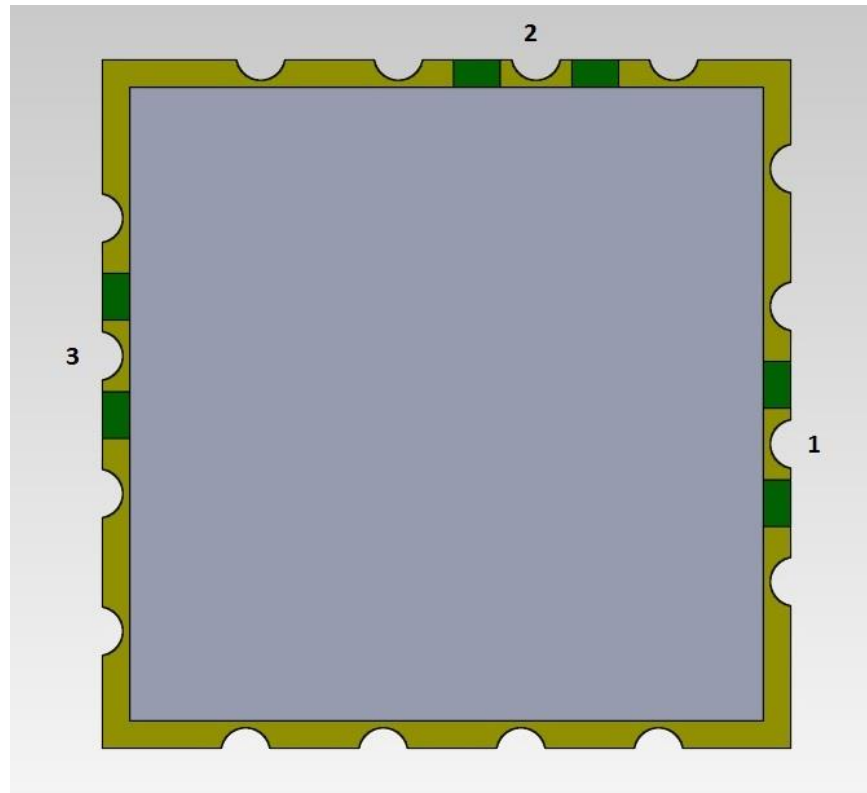
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



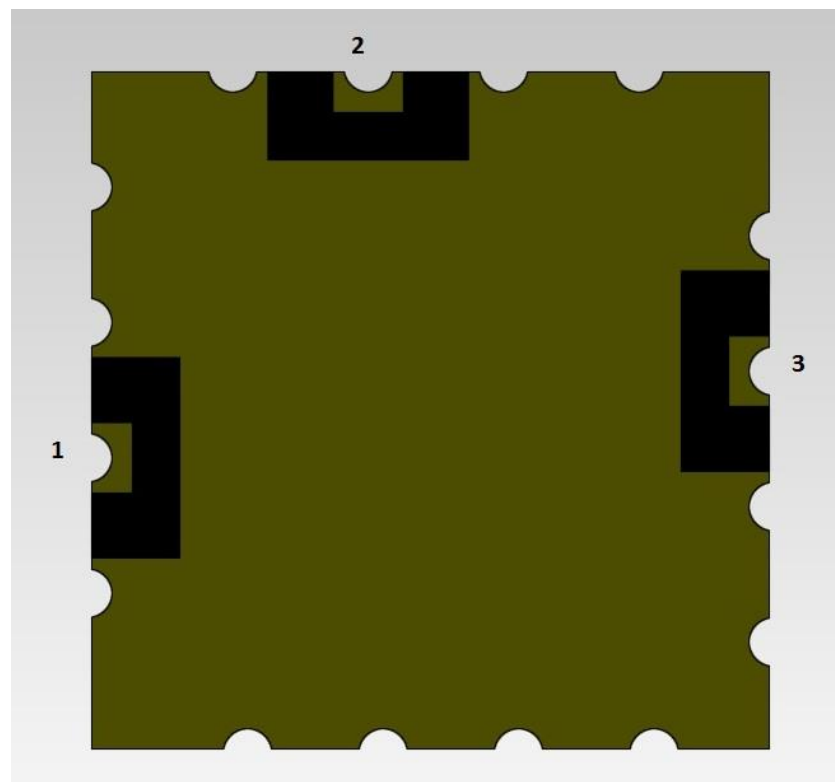
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

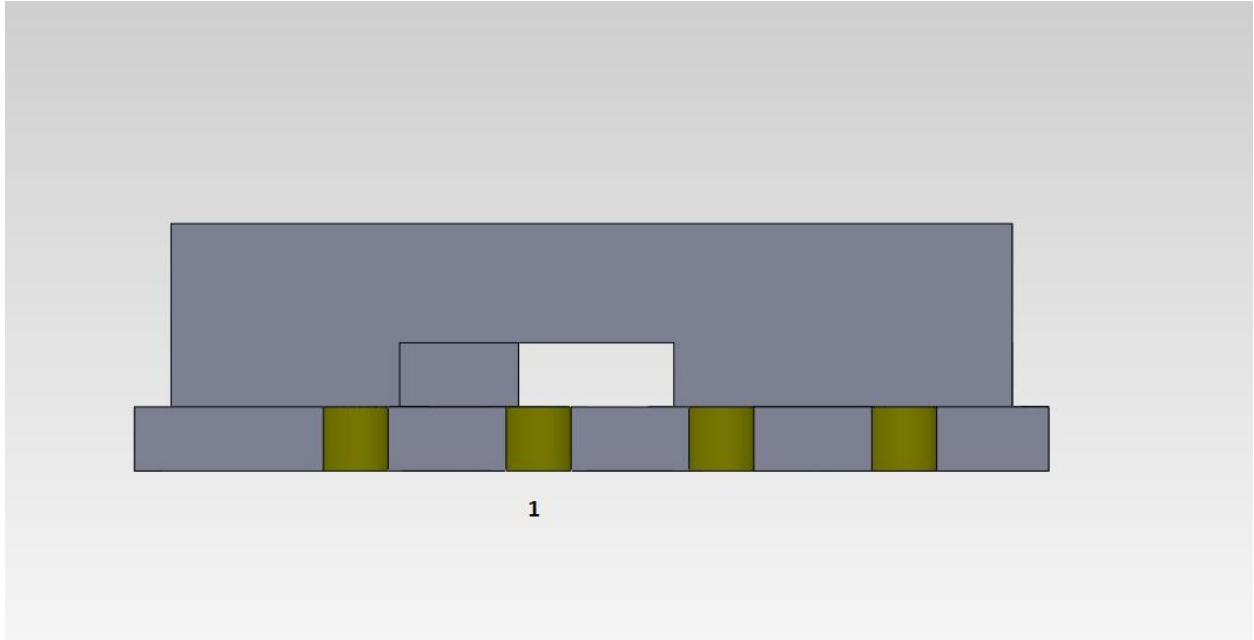
TITLE: SMUA_180		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 2 OF 2



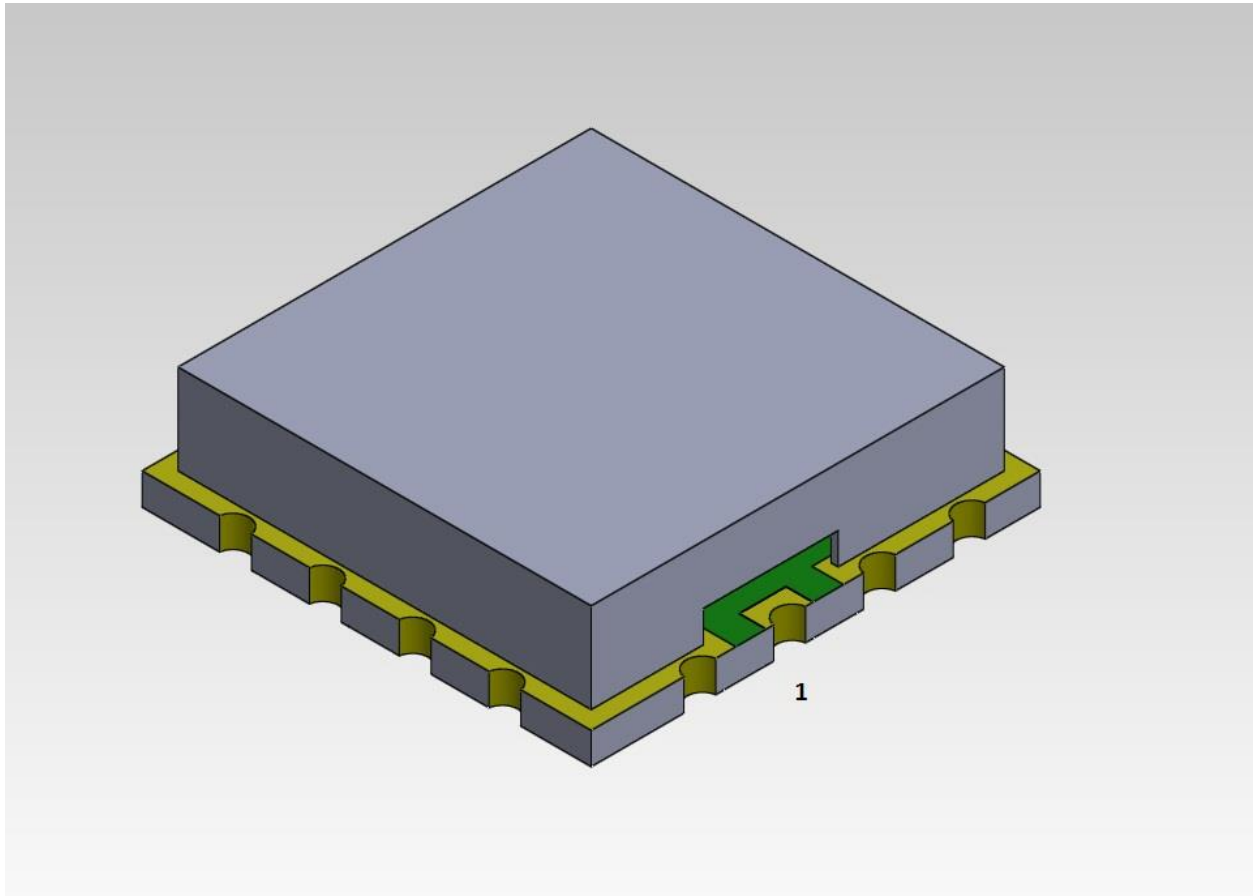
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW