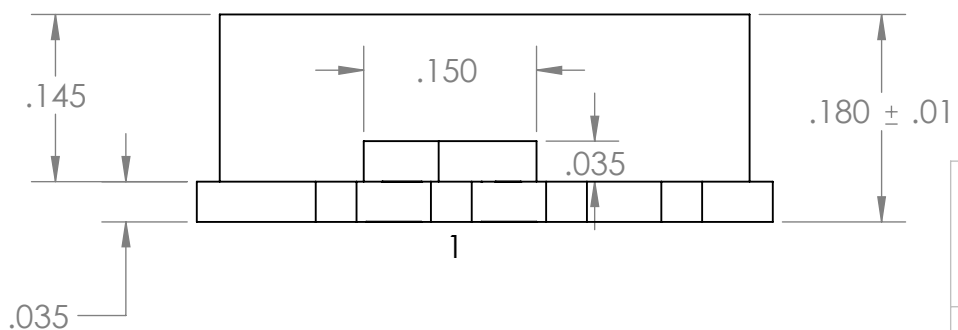
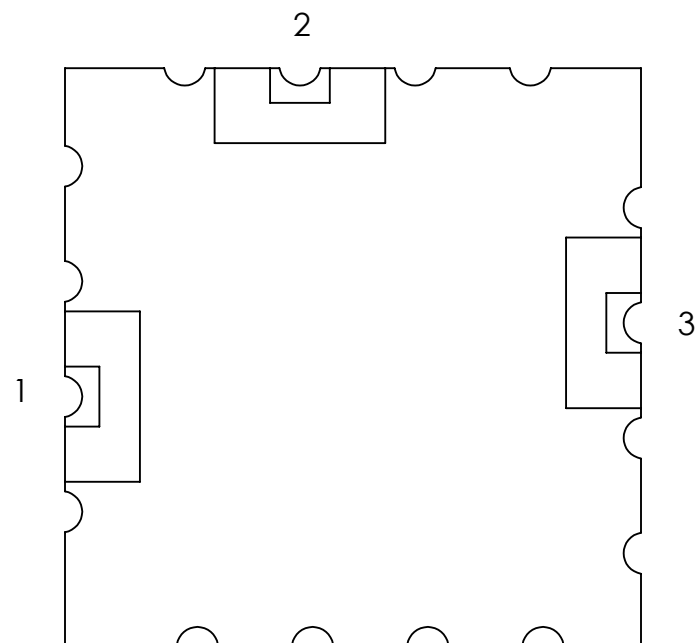
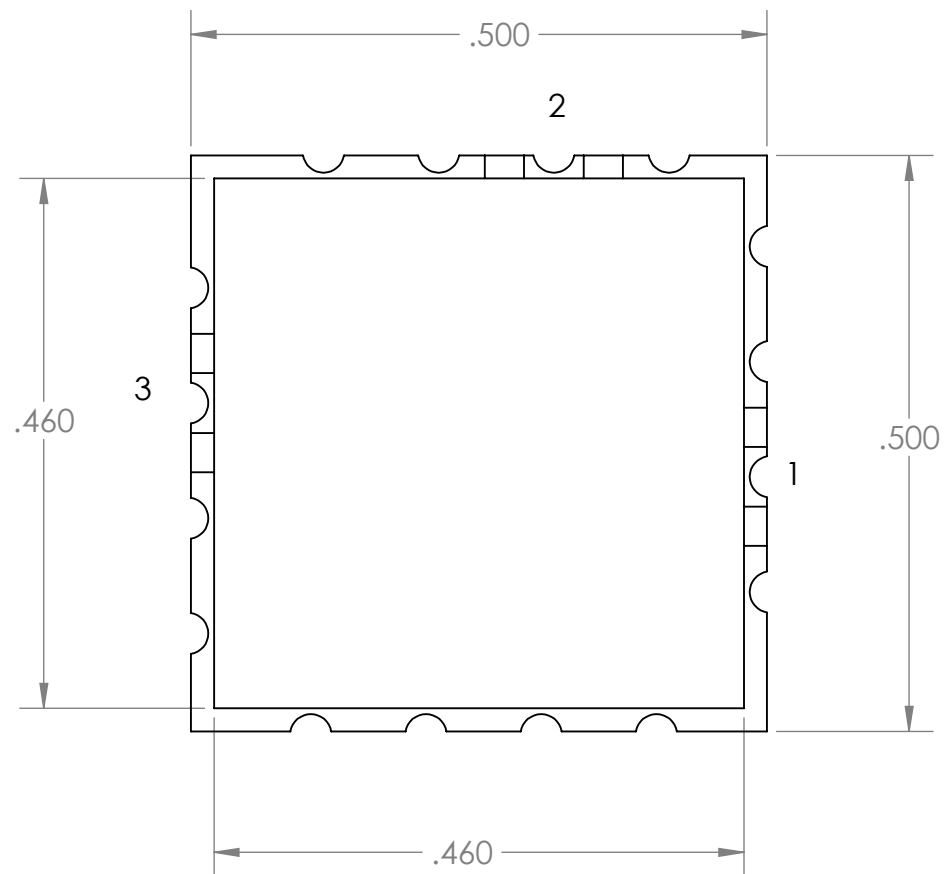




	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	1700		2200	MHz	1	..	..
Frequency at Vtune = 2V	1725		1795	MHz	1	..	..
Frequency at Vtune = 7V	2090		2160	MHz	1	..	..
Tuning Voltage	0		9	V	1	..	..
Modulation Sensitivity		73		MHz/V	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		2.0	4.0	MHz/V	3	..	..
Pulling (12dB RL, any phase)		5	10	MHz _{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-20	-12	dBc	3	..	..
Vcc		5.0		V			
Icc		26		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

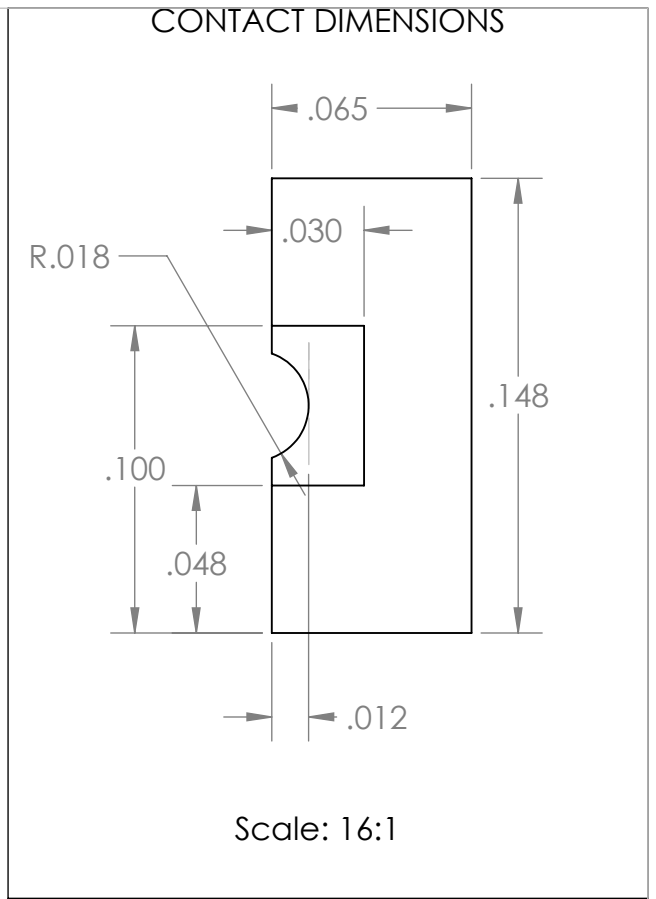
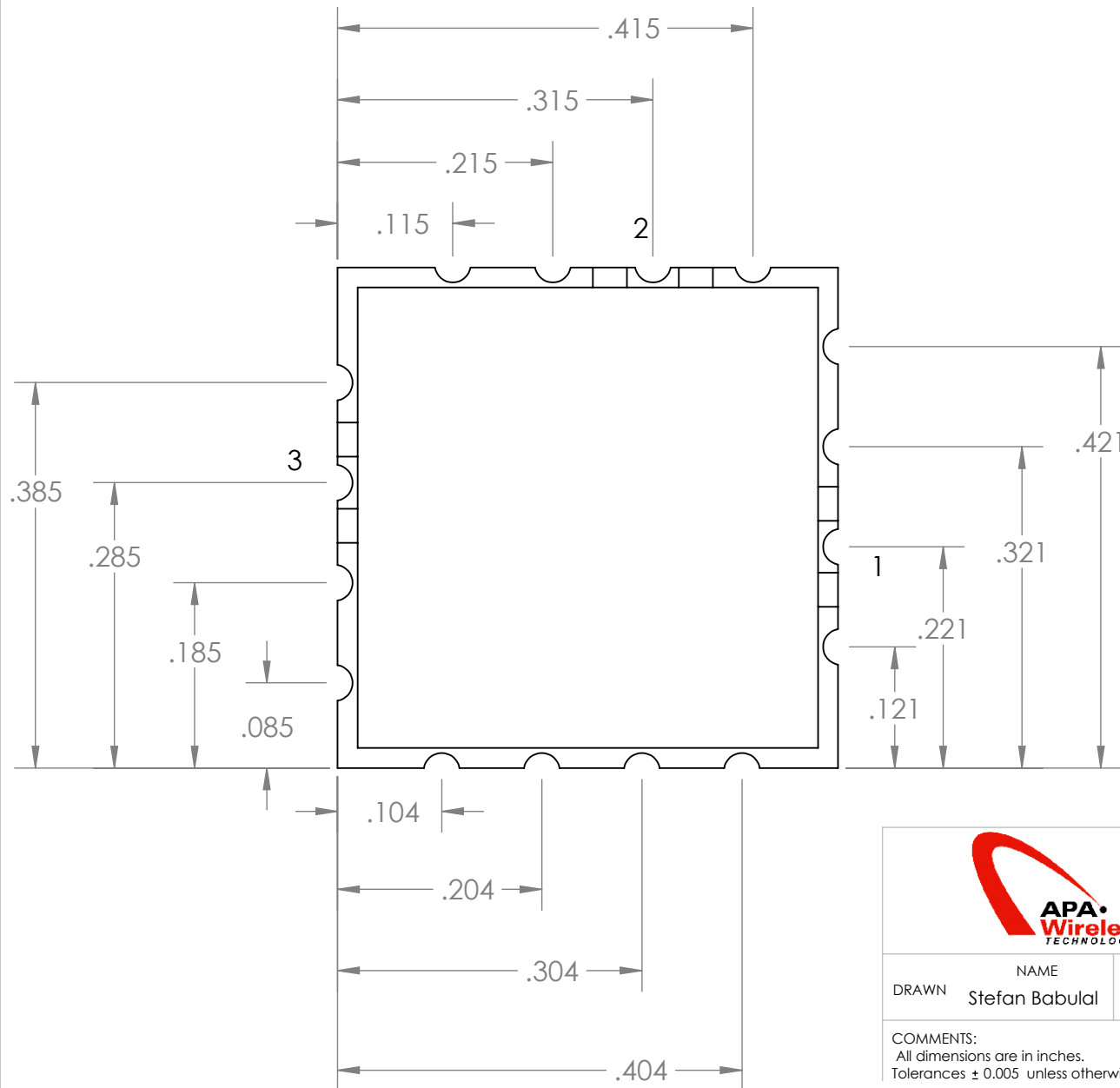


CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



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

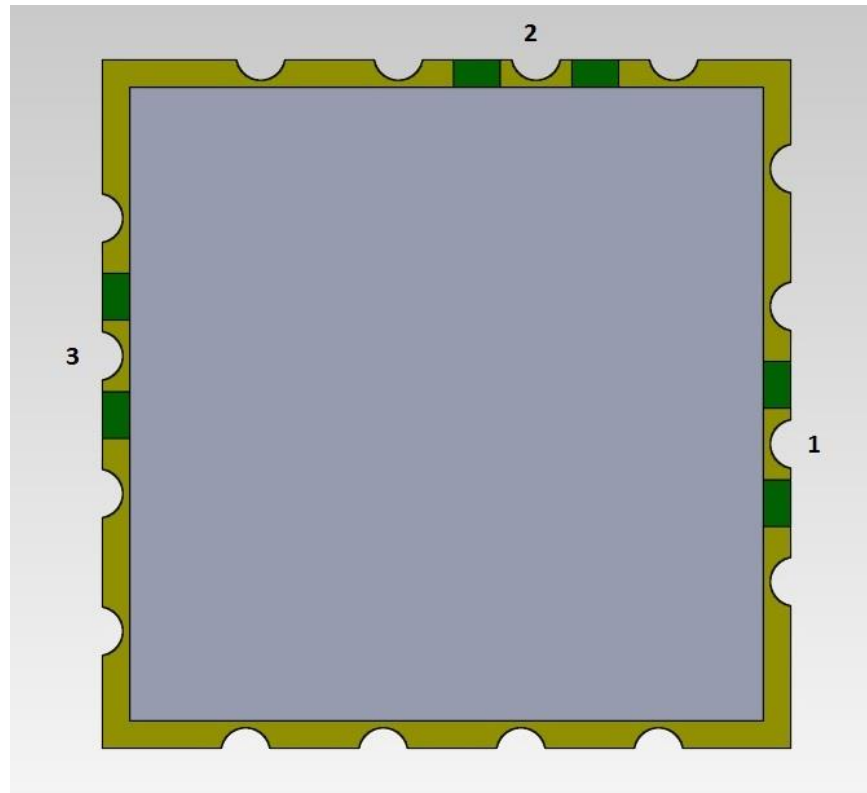
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		



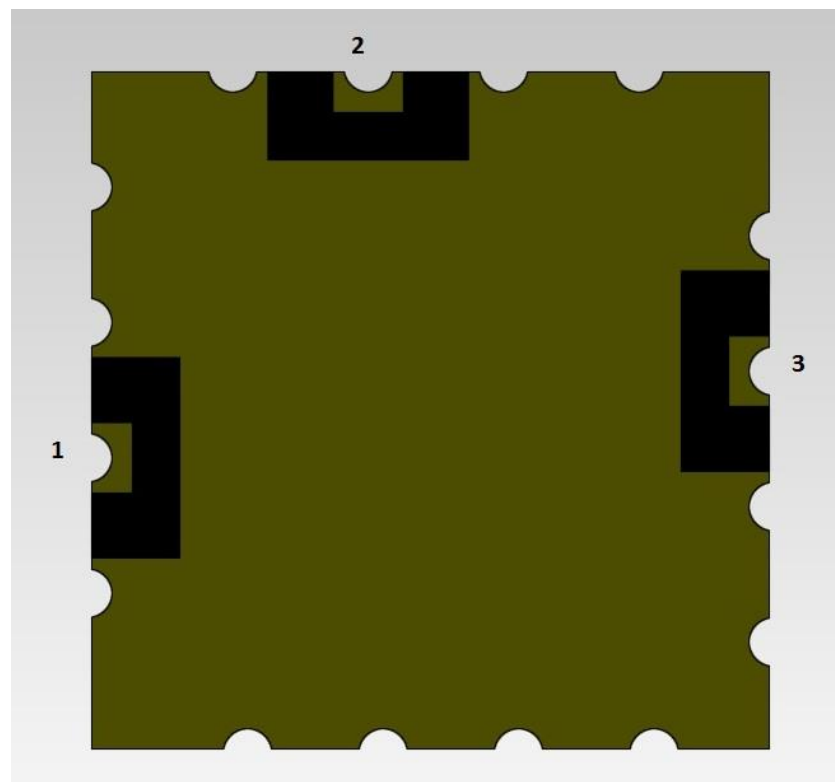
DRAWN	NAME Stefan Babulal	DATE 2/17/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

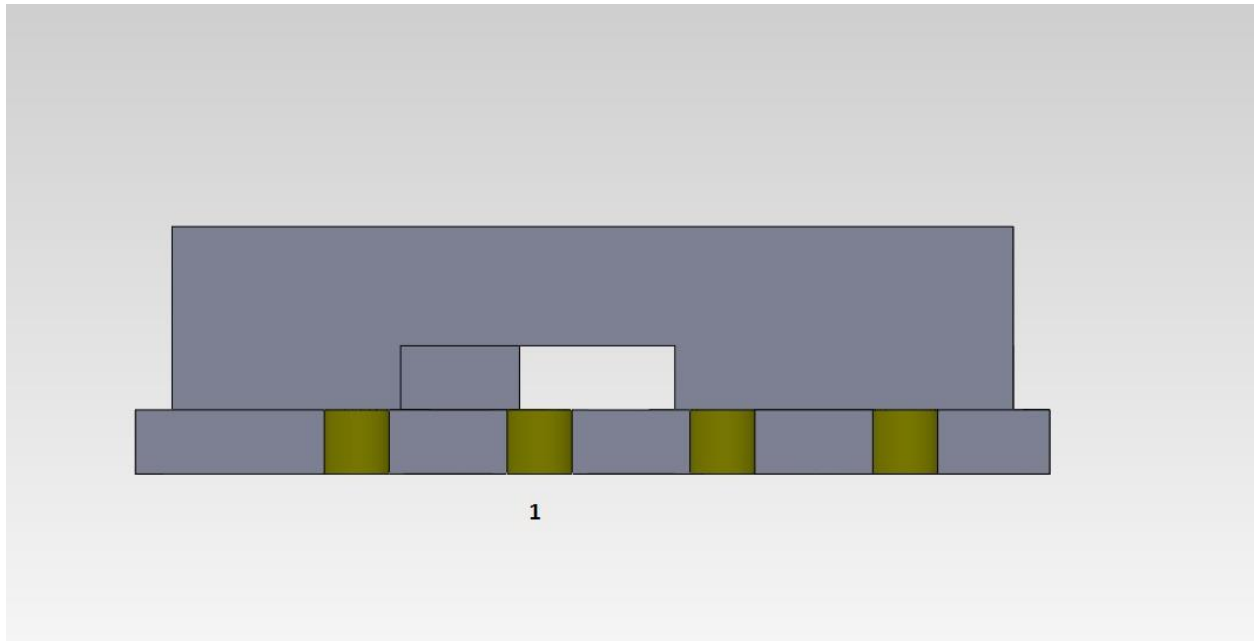
TITLE: SMUA_180			
SIZE A	DWG. NO. 1	REV	
SCALE: 6:1	unit: inch	SHEET 2 OF 2	



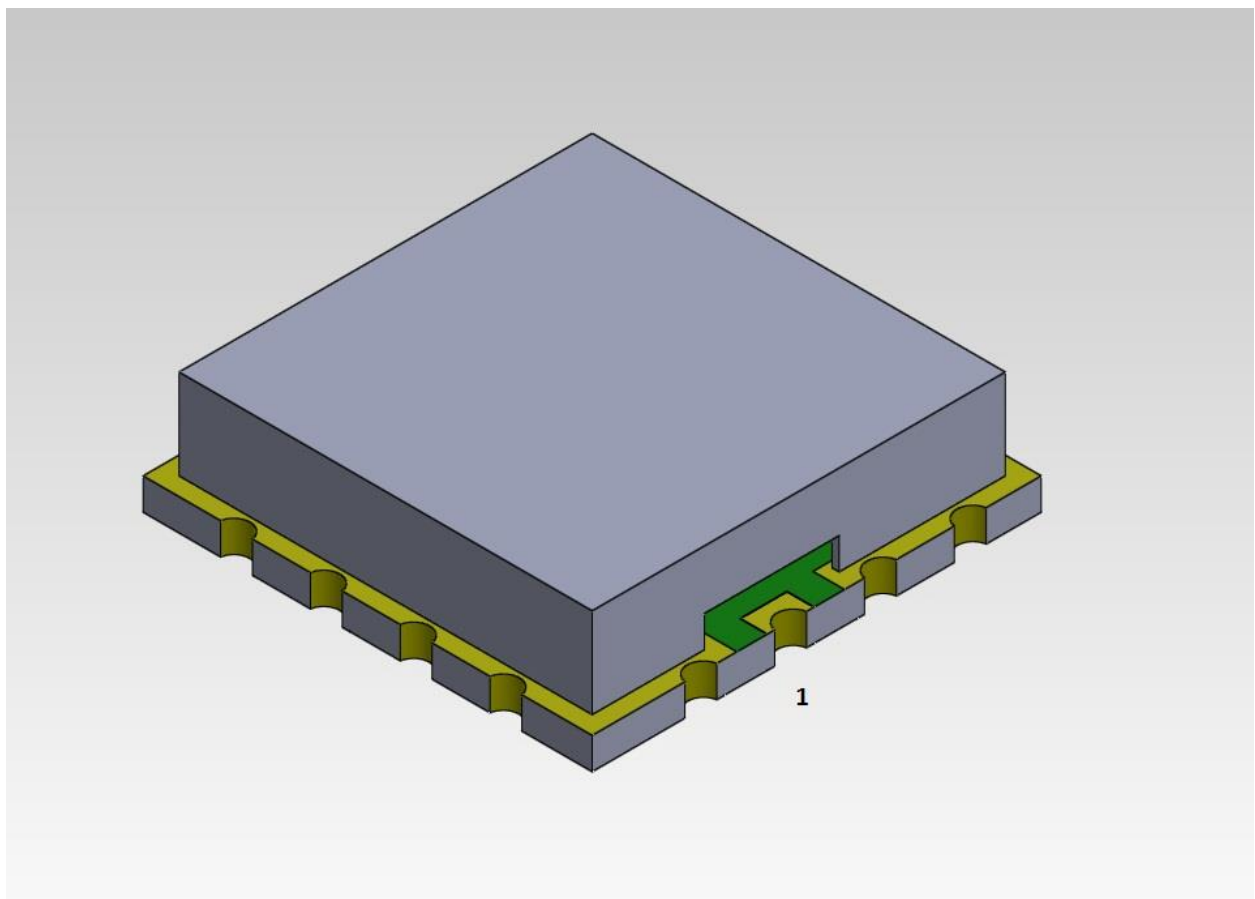
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW