



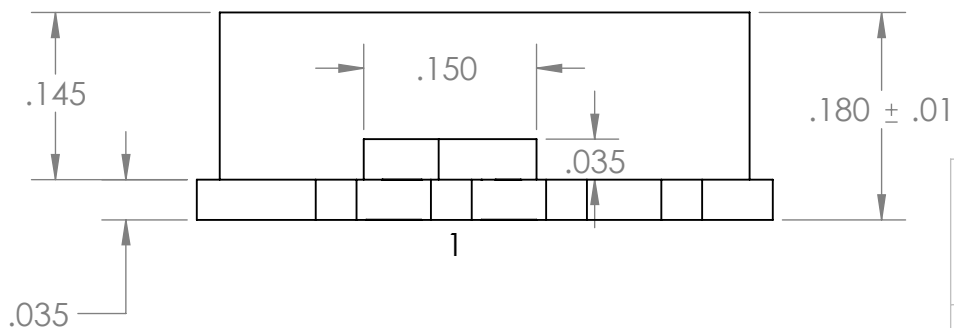
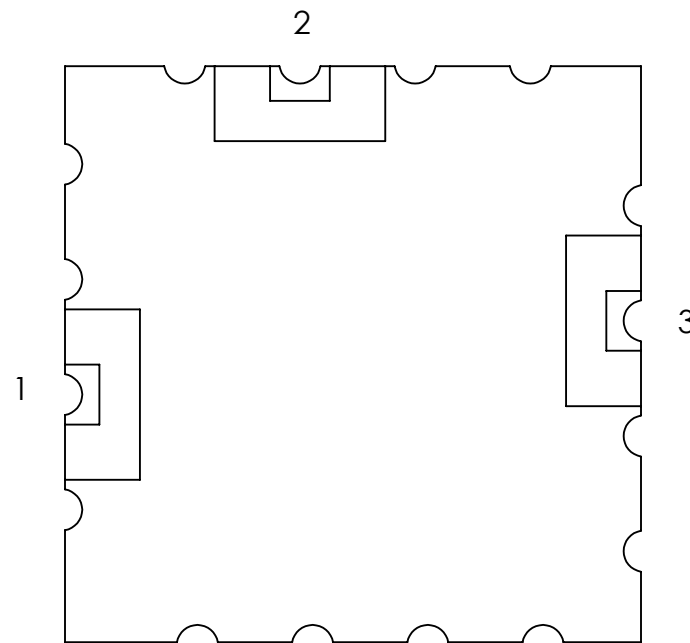
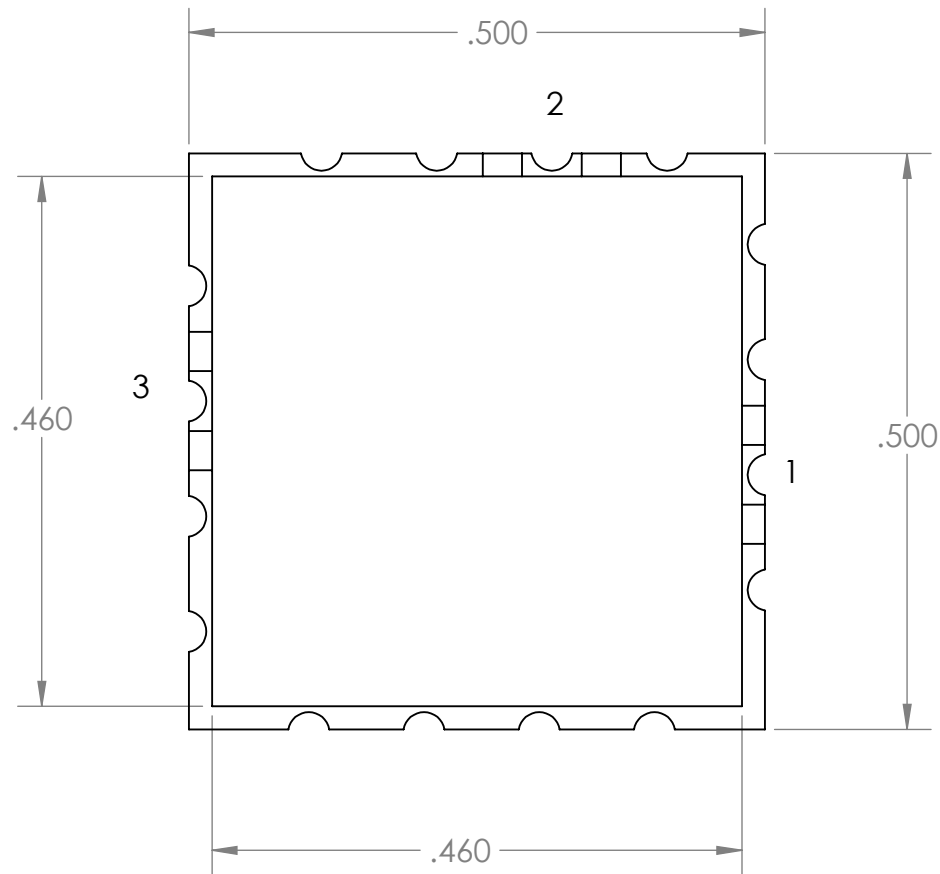
VCO R145190SMUA10_180

rev_0	initial rev
rev_1	bias
rev_2	PN & MSL

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	Production	First Article
						<u>Test</u>	<u>Test</u>
Frequency Range	1450		1900	MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0.5		20.0	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity		29		MHz/V	1	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					1	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	5	7	9	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
1 KHz Offset		-83	-80	dBc/Hz	1,7	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-111	-106	dBc/Hz	1,7	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-132	-126	dBc/Hz	1,7	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz Offset		-152	-146	dBc/Hz	1,7	<input type="checkbox"/>	<input type="checkbox"/>
10 MHz Offset		-166	-166	dBc/Hz	1,7	<input type="checkbox"/>	<input type="checkbox"/>
Pushing		1		MHz/V	3	<input type="checkbox"/>	<input type="checkbox"/>
Pulling (12 dB R.L.)		7		MHz _{p-p}	3	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Bandwidth		100		MHz	4	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Port Capacitance		47		pF	2	<input type="checkbox"/>	<input type="checkbox"/>
Harmonics		-15	-7	dBc	3	<input type="checkbox"/>	<input type="checkbox"/>
Vcc		10		V			
Icc		35		mA	1	<input type="checkbox"/>	<input type="checkbox"/>
Operating Temperature	-40		+85	C	3	<input type="checkbox"/>	<input type="checkbox"/>
Package		SMUA			6,8		
LxW		0.500		inch sq.	5	<input type="checkbox"/>	<input type="checkbox"/>
Height		0.180		inch	5	<input type="checkbox"/>	<input type="checkbox"/>

Notes

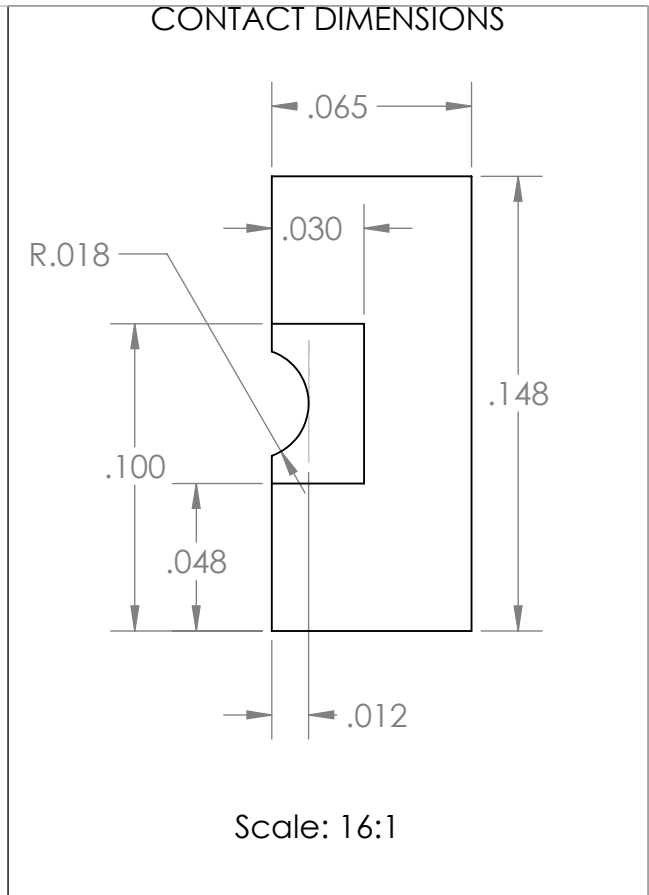
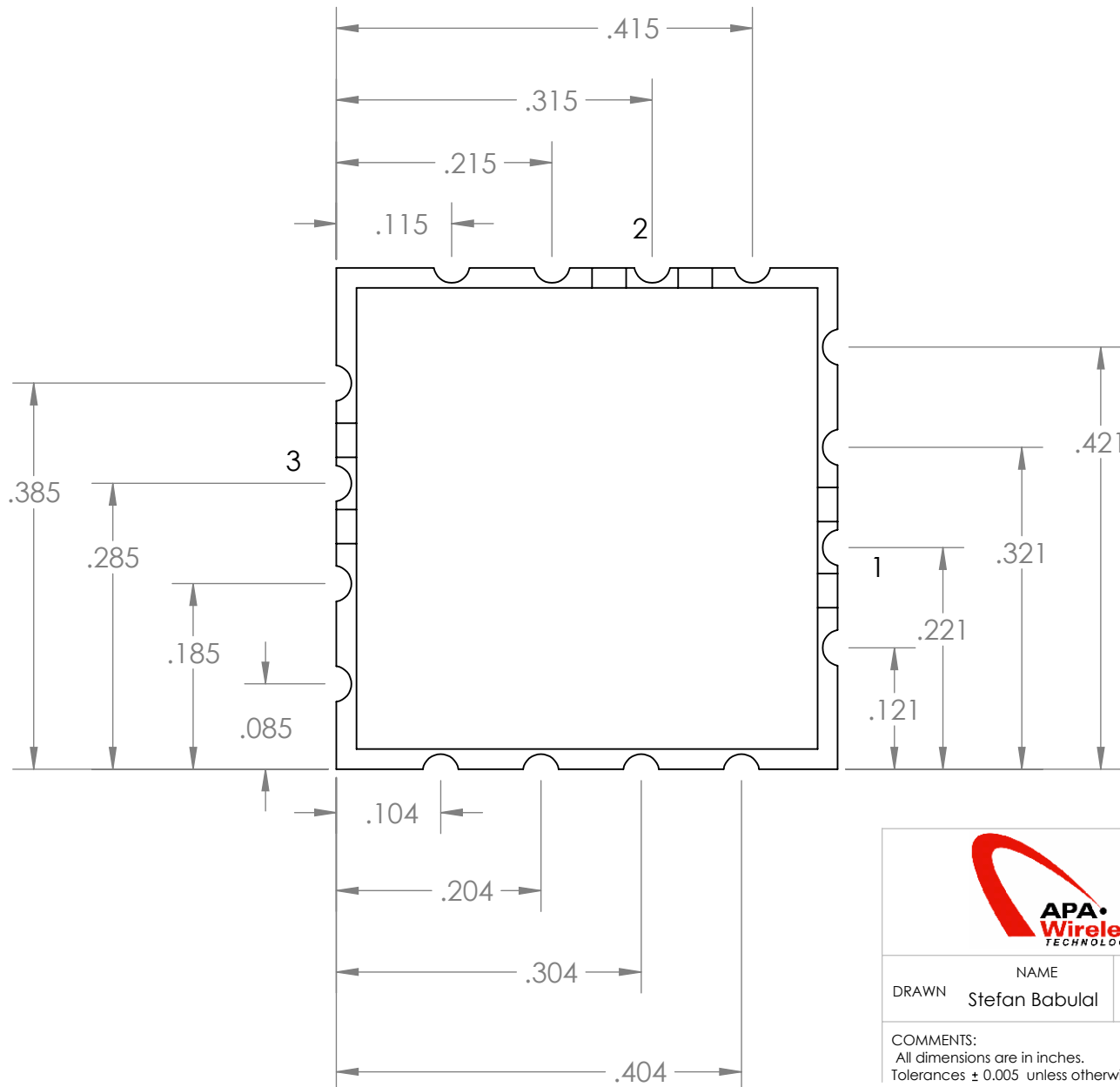
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS Compliant
7. typical PN is at 1450 MHz
8. MSL1




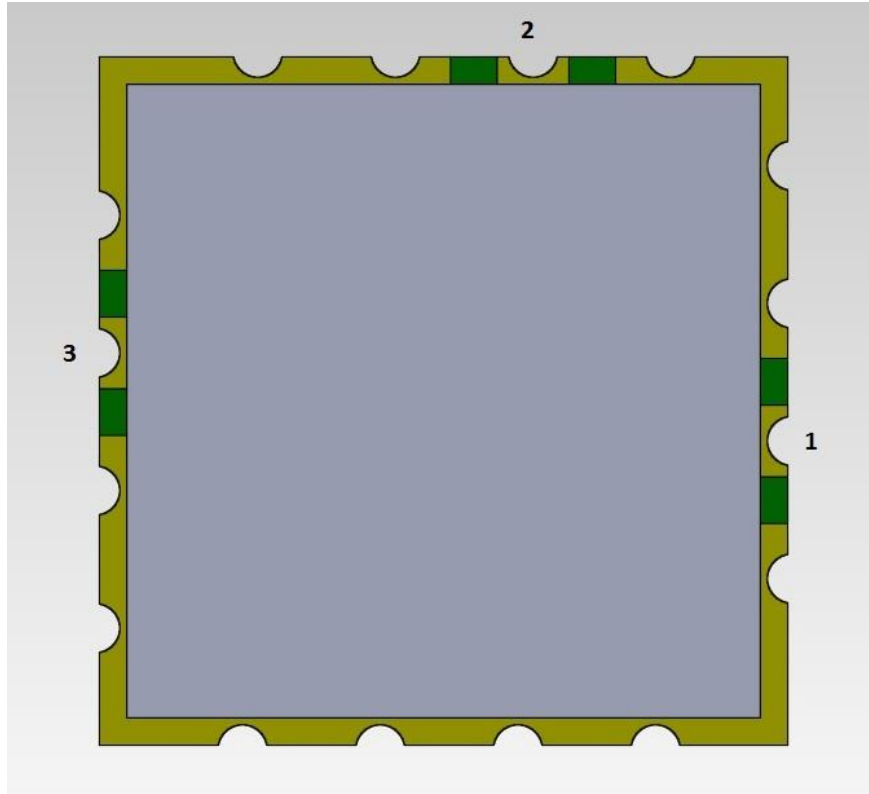
CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



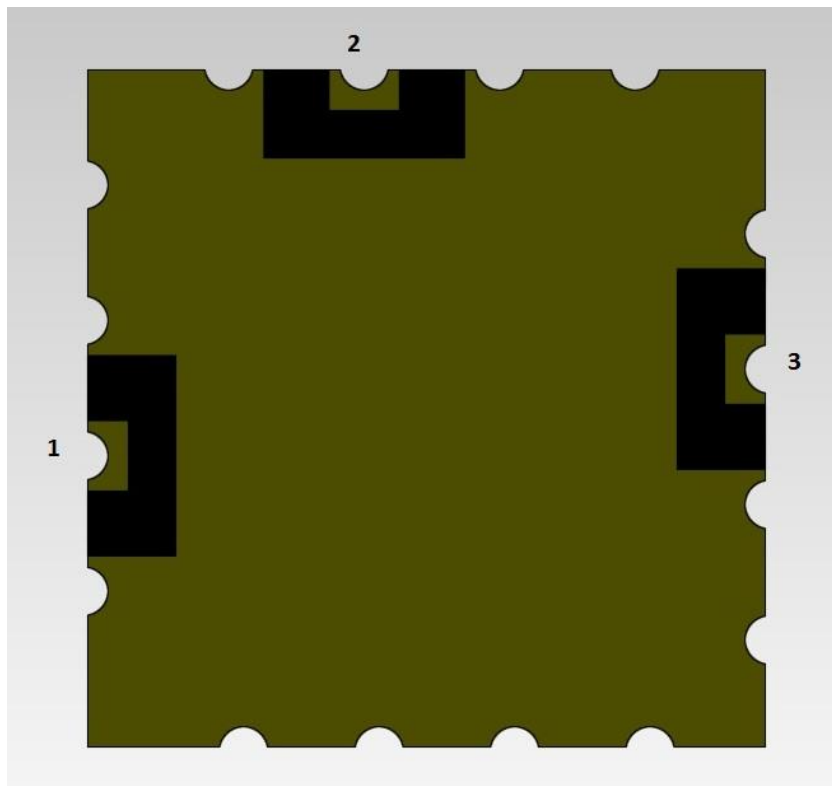
TITLE: R145190SMUA10_180					
DRAWN Stefan Babulal	NAME Stefan Babulal	DATE 2/17/2017	SIZE A	DWG. NO. 1	REV 1
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted			SCALE: 6:1	unit: inch	SHEET 1 OF 2



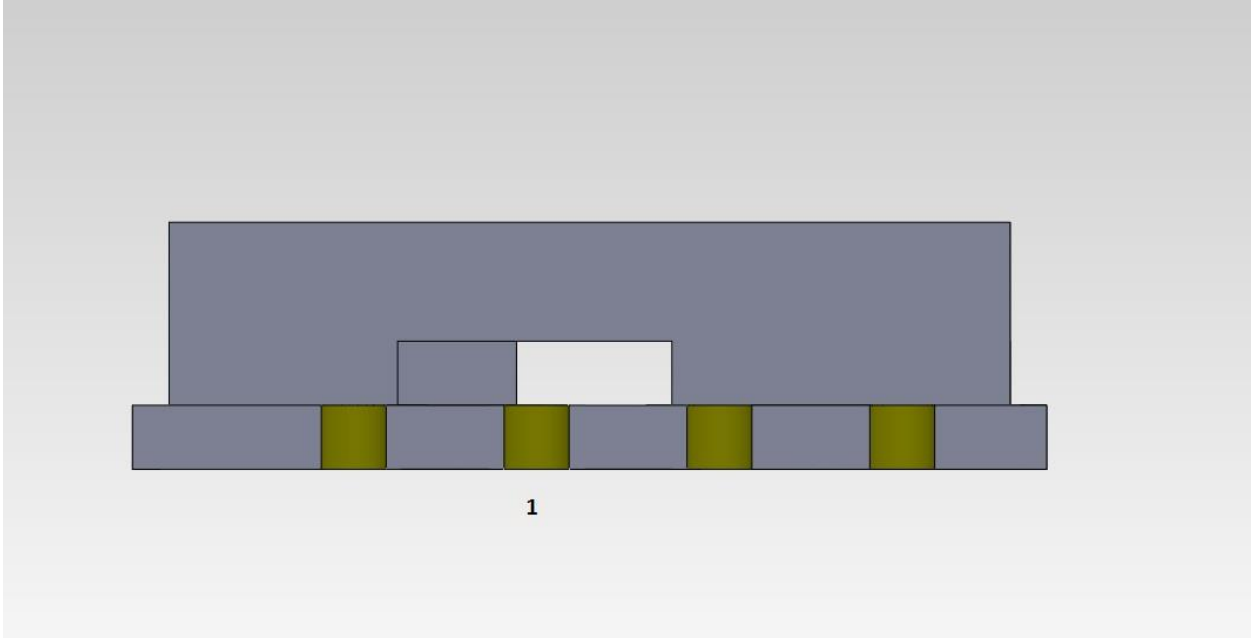
		TITLE:	
		R145190SMUA10_180	
DRAWN	NAME Stefan Babulal	DATE 2/17/2017	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		A	1
SCALE: 6:1		unit: inch	SHEET 2 OF 2



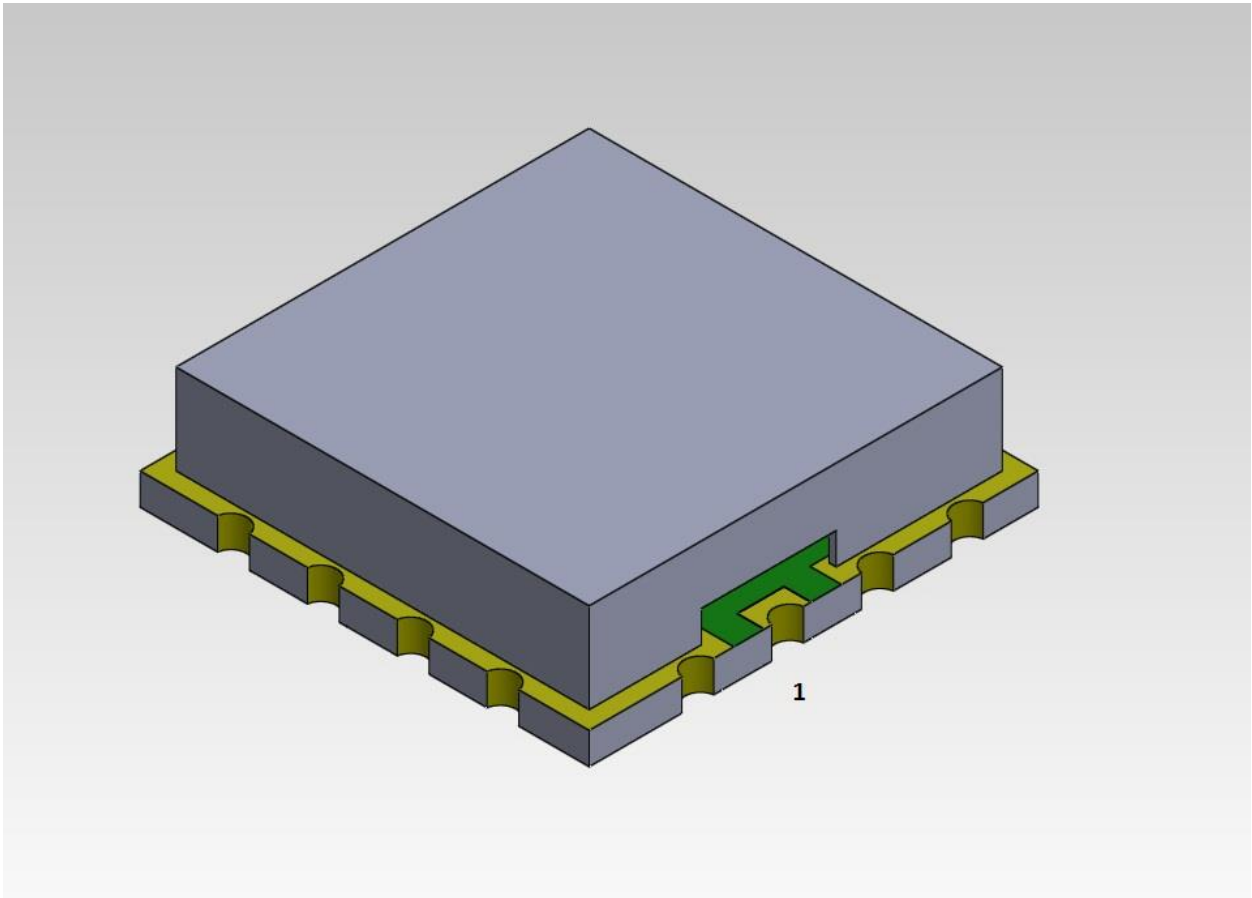
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW