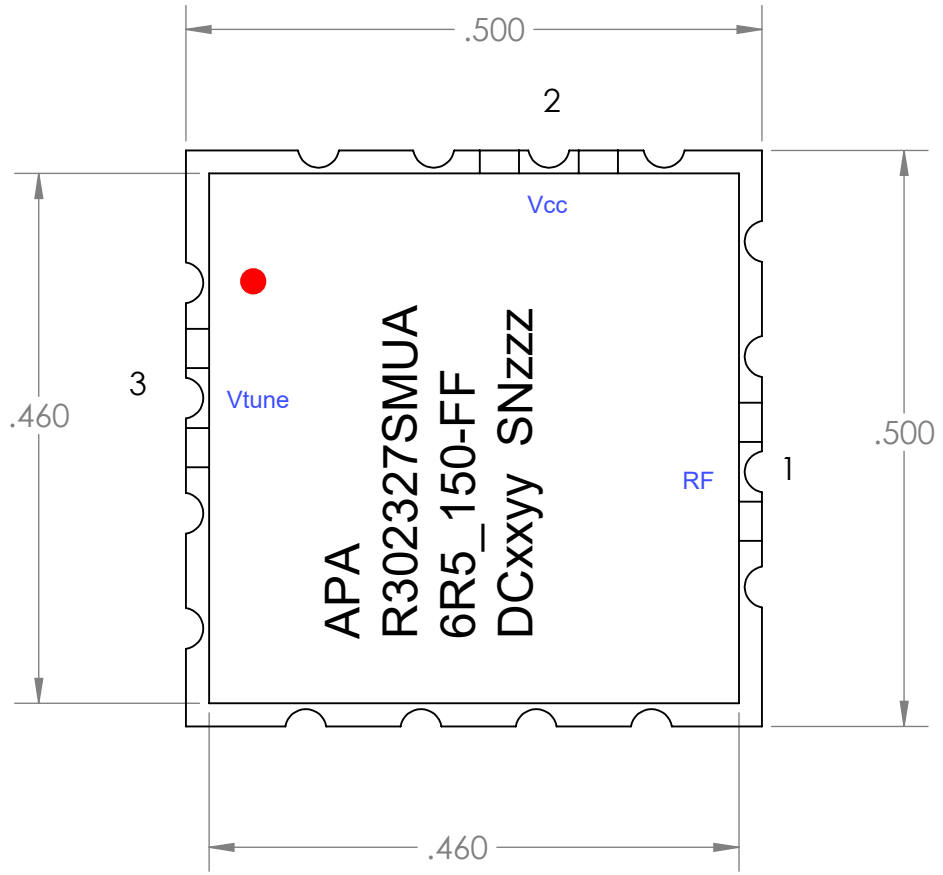
VCO R302327SMUA6R5_150-FF

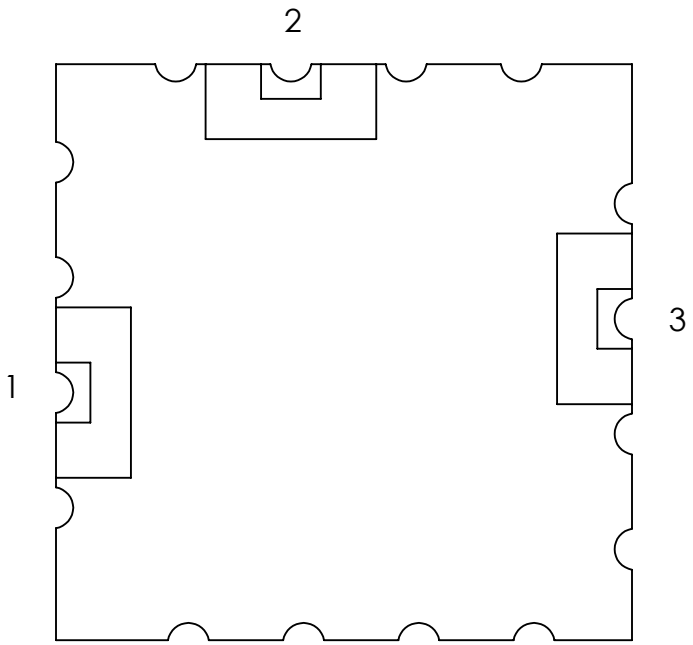
rev_0	initial rev

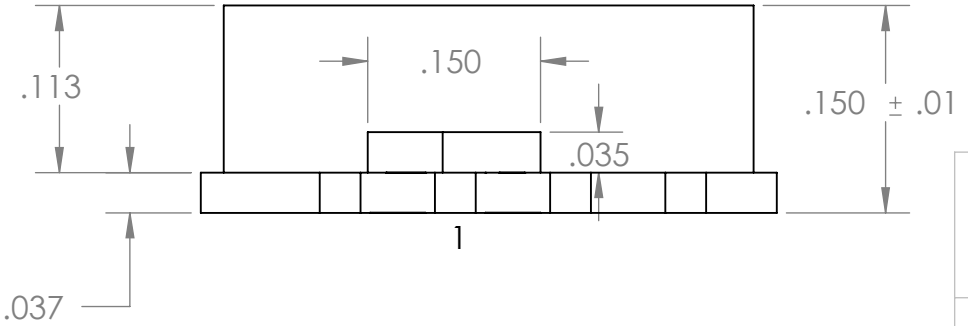
	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	3020		3265	MHz	1	☐	☐
Tuning Voltage	1		10	V	1	☐	☐
Modulation Sensitivity		40		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	3	5	7	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-71	-68	dBc/Hz	3	☐	☐
10 KHz Offset		-99	-95	dBc/Hz	1	☐	☐
100 KHz Offset		-120	-117	dBc/Hz	1	☐	☐
1 MHz Offset		-140	-136	dBc/Hz	3	☐	☐
Pushing			5	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)			8	MHz_{p-p}	3	☐	☐
Modulation Bandwidth		10		MHz	4	☐	☐
Tuning Port Capacitance			47	pF	2	☐	☐
Harmonics			-12	dBc	3	☐	☐
Vcc	5.5	6.5	7.5	V	1	☐	☐
Icc			35	mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA			6,9	☐	☐
LxW		0.500		inch sq.	5	☐	☐
Height		0.150		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
8. Solder mask on bottom of unit
9. Foam filled with Eccostock FFP







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

APA Wireless TECHNOLOGIES

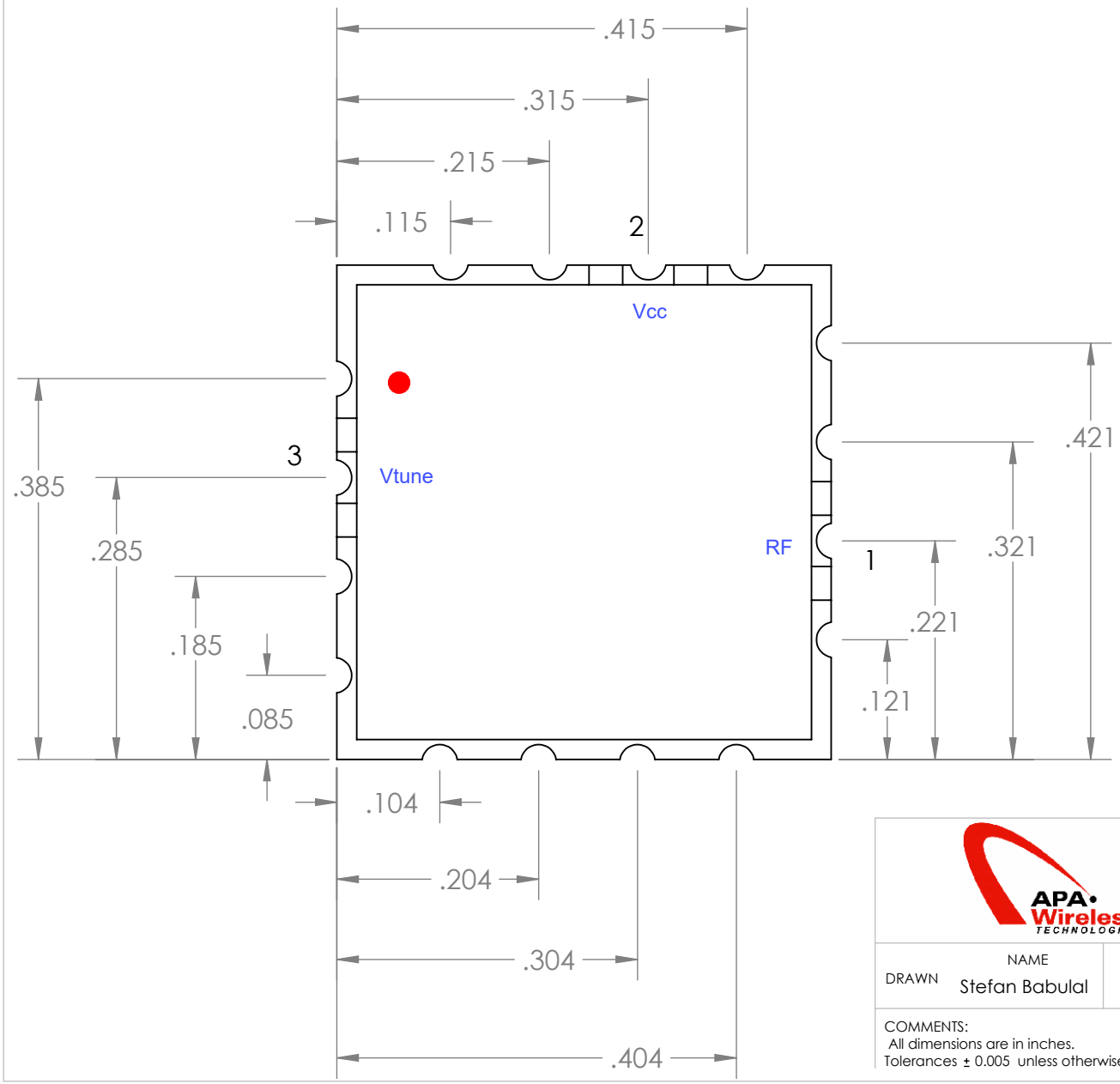
	NAME	DATE
DRAWN	Stefan Babulal	2/17/2017

COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

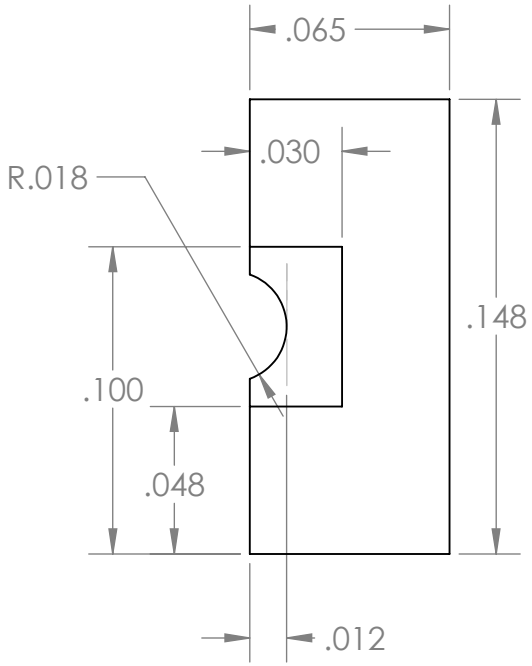
TITLE: SMUA_150

SIZE	DWG. NO.	REV
A	1	

SCALE: 6:1	unit: inch	SHEET 1 OF 2

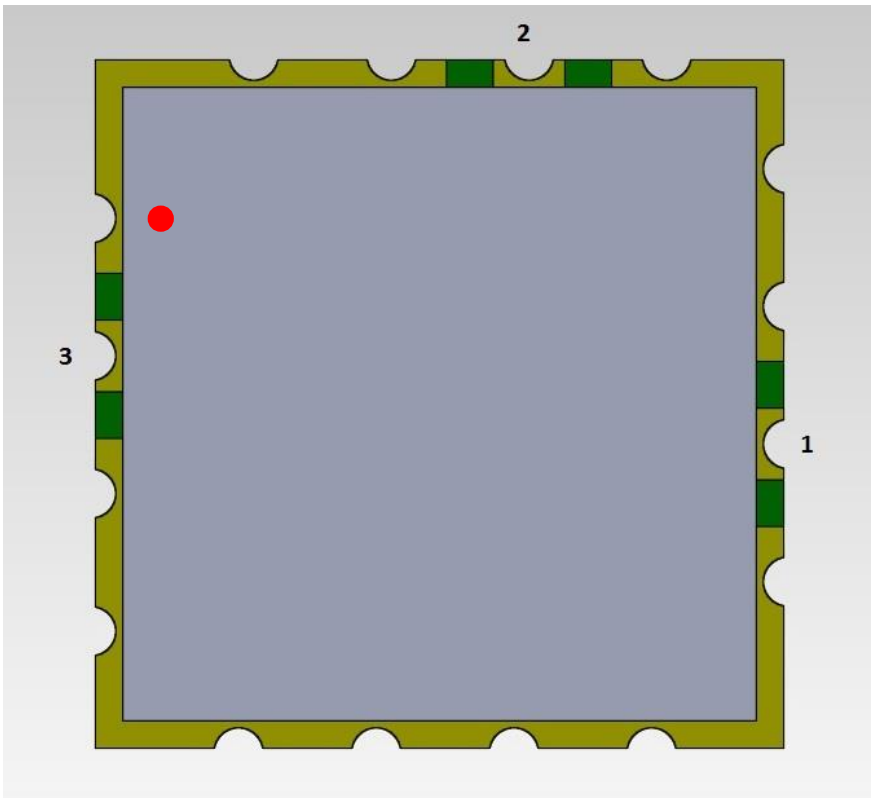


CONTACT DIMENSIONS

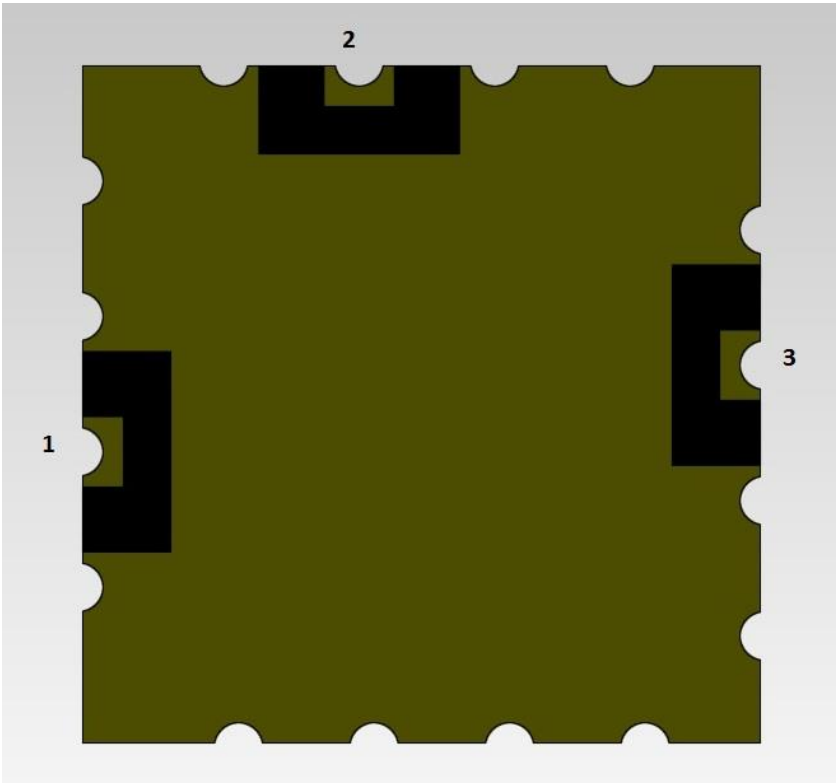


Scale: 16:1

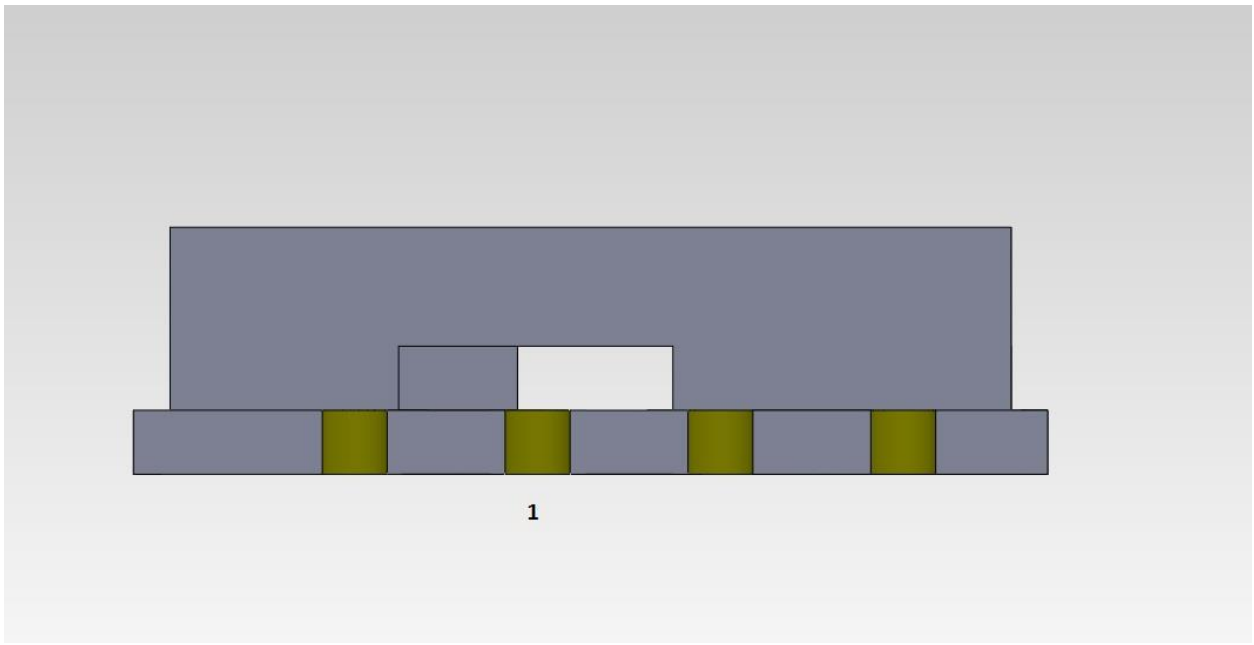
APA Wireless Technologies		TITLE: SMUA_150
DRAWN: Stefan Babulal	NAME: Stefan Babulal	DATE: 2/17/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		
SIZE: A	DWG. NO.: 1	REV:
SCALE: 6:1	unit: inch	SHEET 2 OF 2



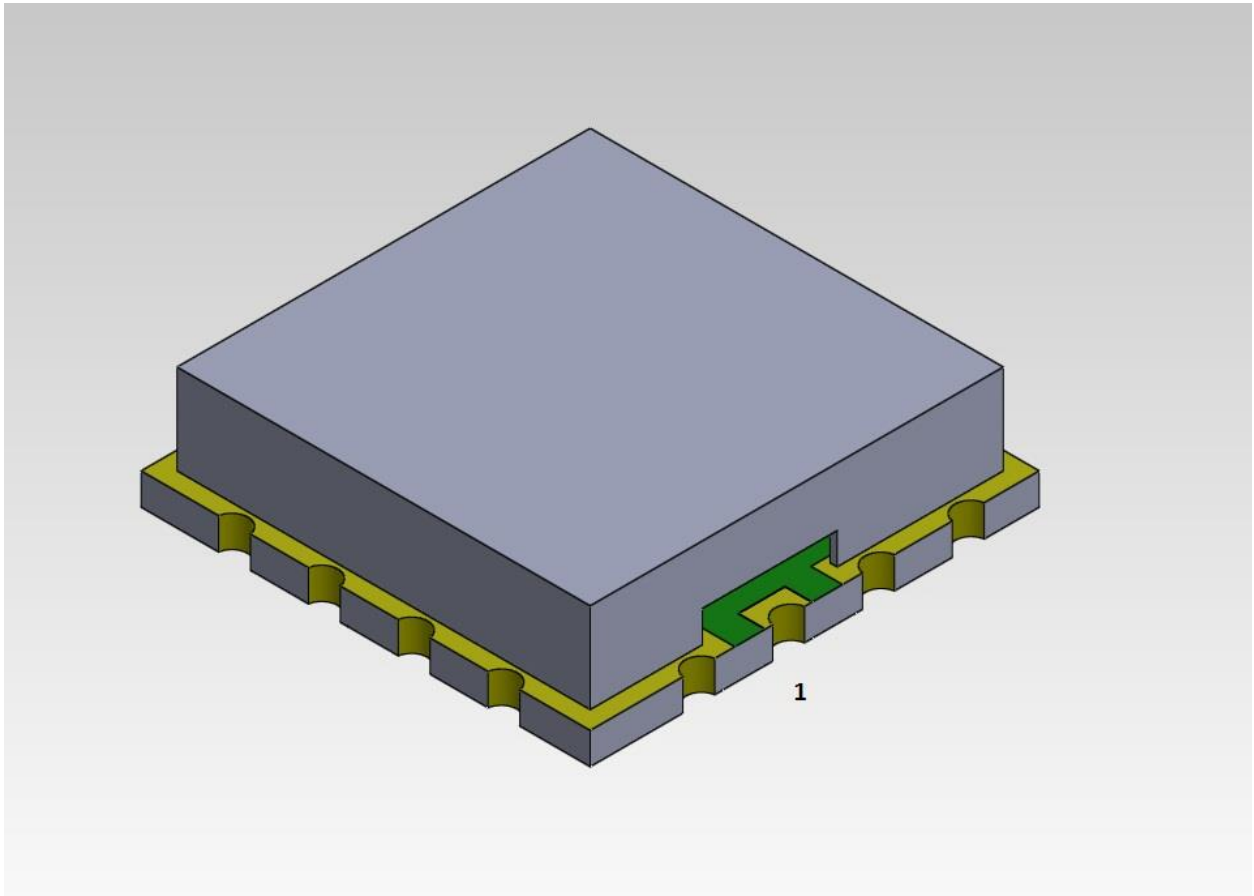
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW