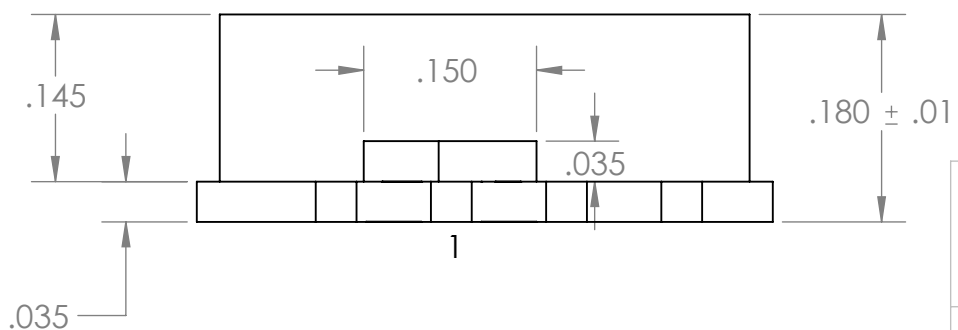
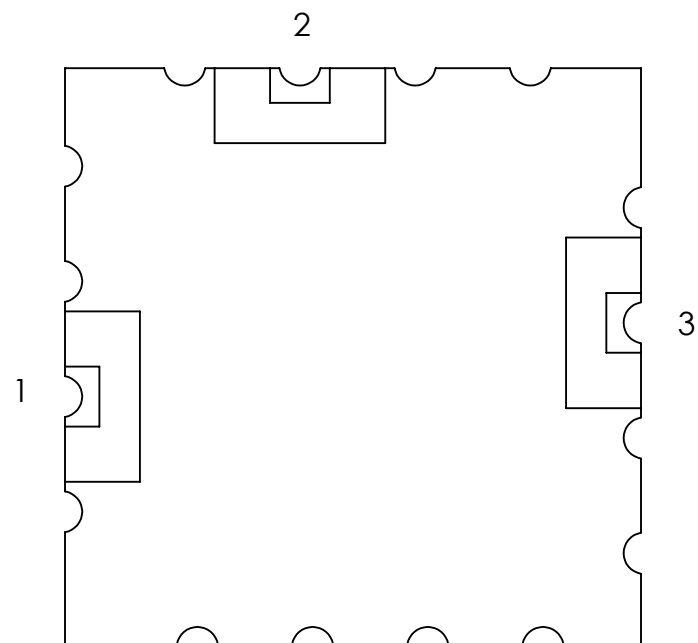
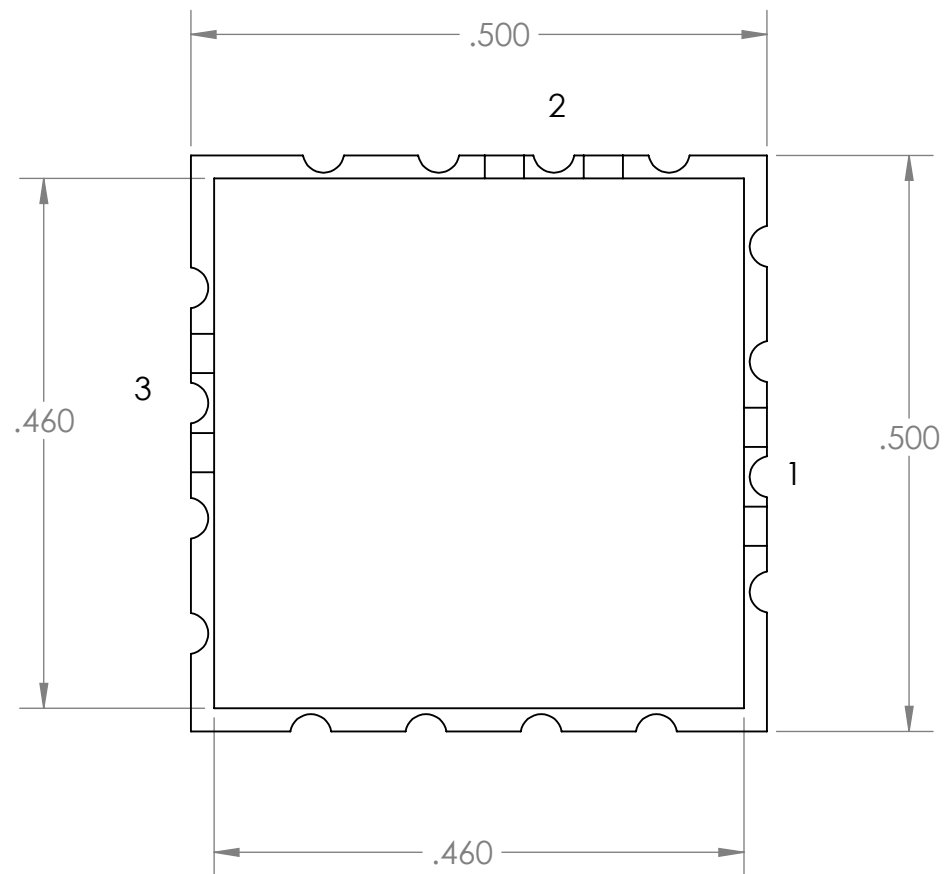




						Production	First Article
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Test</u>	<u>Test</u>
Frequency Range		4000		MHz	1	☐	☐
Tuning Voltage	0		5	V	1	☐	☐
Modulation Sensitivity		6.5		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	0	3	6	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-90	-85	dBc/Hz	1	☐	☐
10 KHz Offset		-116	-111	dBc/Hz	1	☐	☐
100 KHz Offset		-136	-131	dBc/Hz	1	☐	☐
1 MHz Offset		-156	-151	dBc/Hz	1	☐	☐
10 MHz Offset		-164	-155	dBc/Hz	1	☐	☐
Pushing		0.3		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		0.5		MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1		MHz	4	☐	☐
Tuning Port Capacitance		10		pF	2	☐	☐
Harmonics		-15	-10	dBc	3	☐	☐
Vcc		5.0		V			
Icc		28		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA			6	☐	☐
LxW		0.500		inch sq.	5	☐	☐
Height		0.180		inch	5	☐	☐

Notes

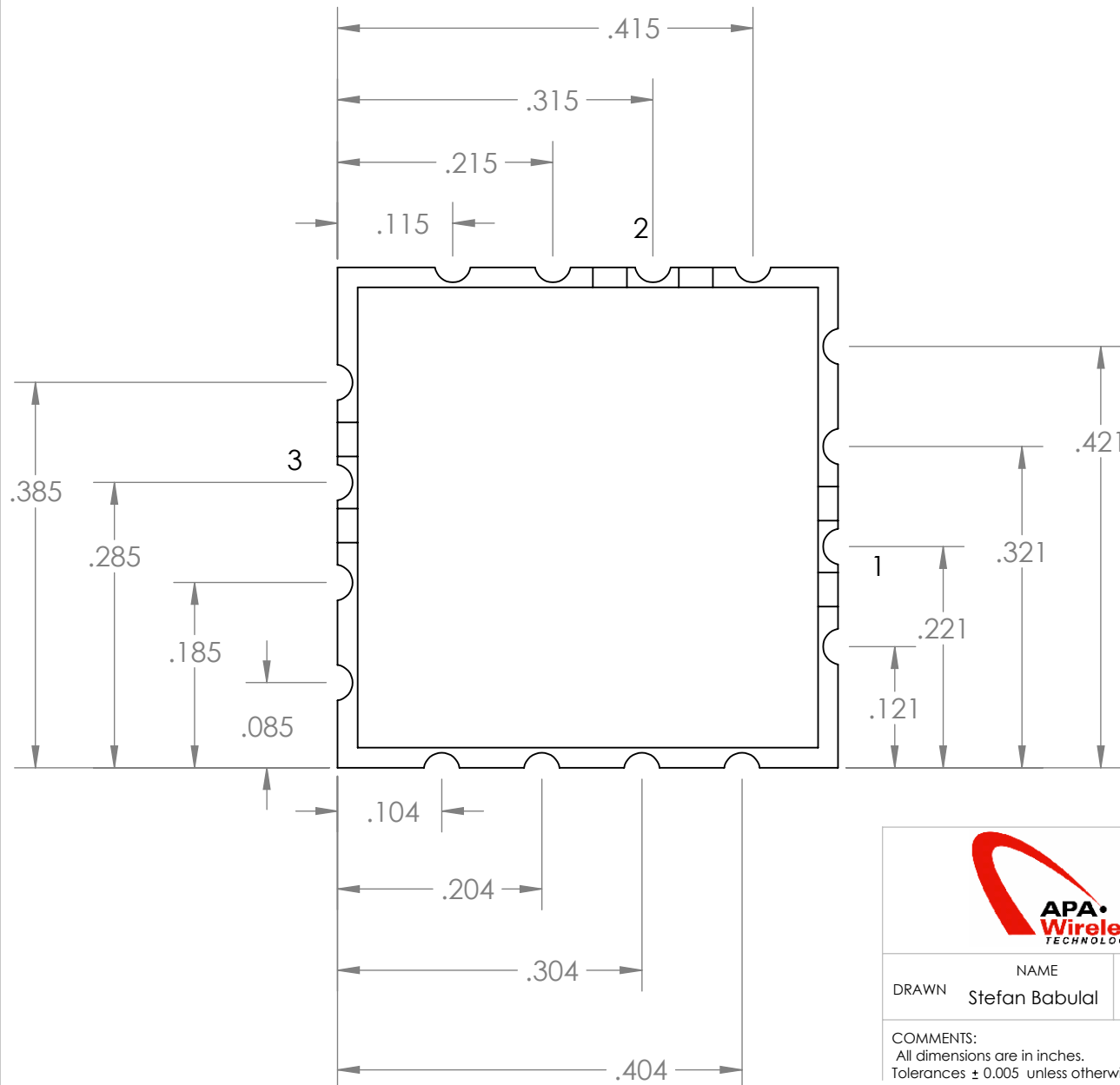
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS Compliant



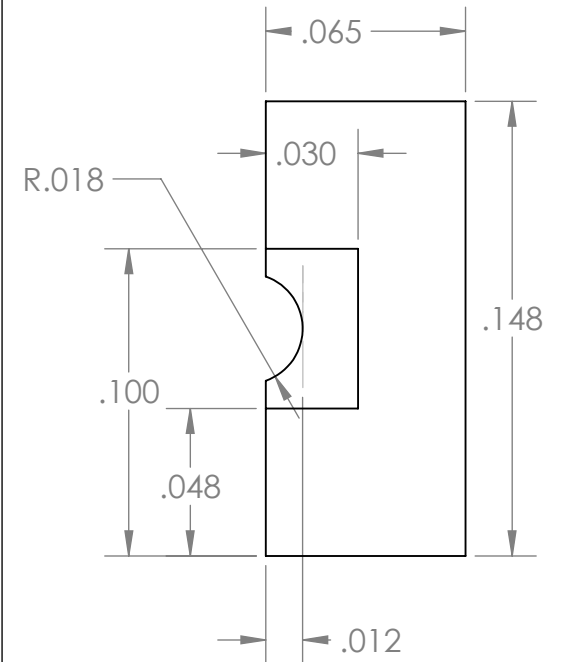
CONTACT ASSIGNMENTS
1. RF OUT
2. SUPPLY INPUT
3. TUNING VOLTAGE INPUT
ALL OTHER CONTACTS ARE GROUND



TITLE:		SMUA_180	
DRAWN	NAME Stefan Babulal	DATE 2/17/2017	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		SIZE A	DWG. NO. 1
SCALE: 6:1		unit: inch	SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1



DRAWN NAME
Stefan Babulal

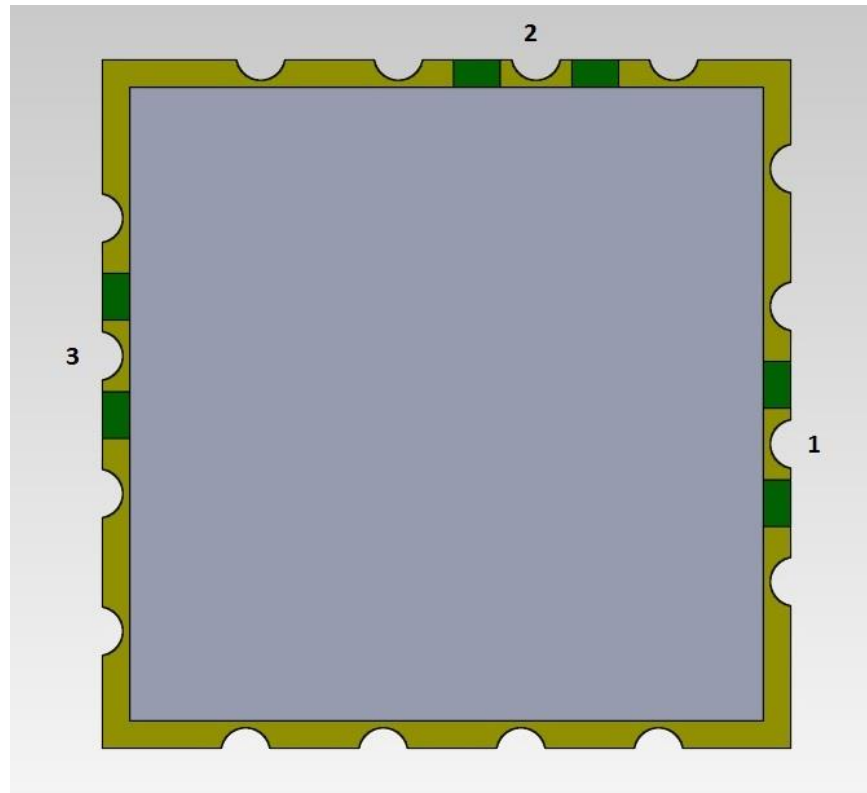
DATE
2/17/2017

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

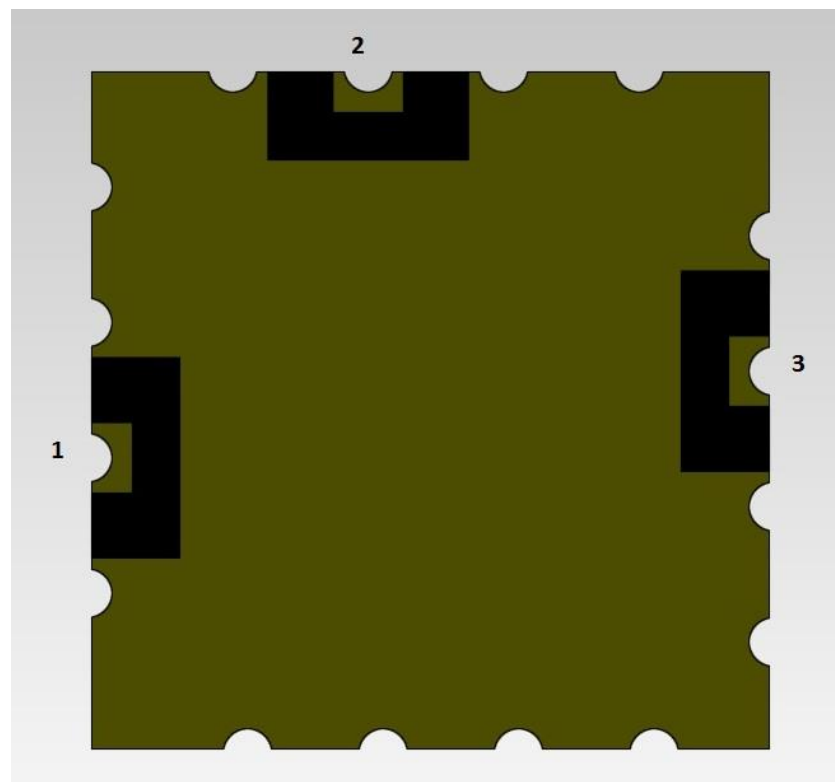
TITLE:
SMUA_180

SIZE	DWG. NO.	REV
A	1	

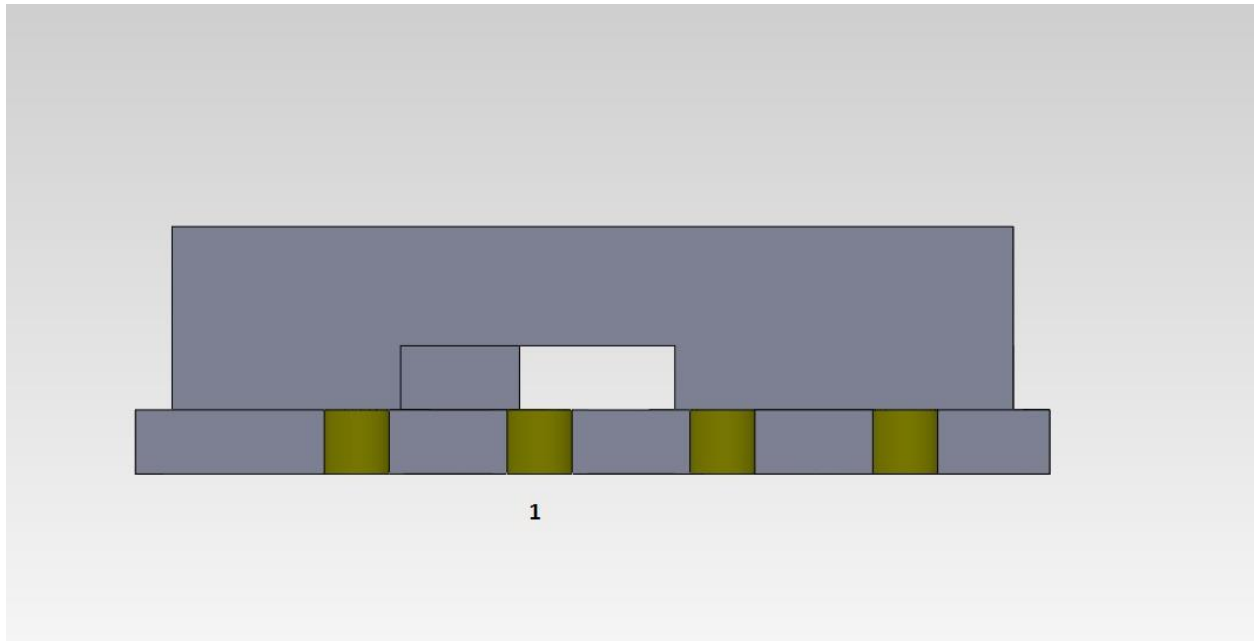
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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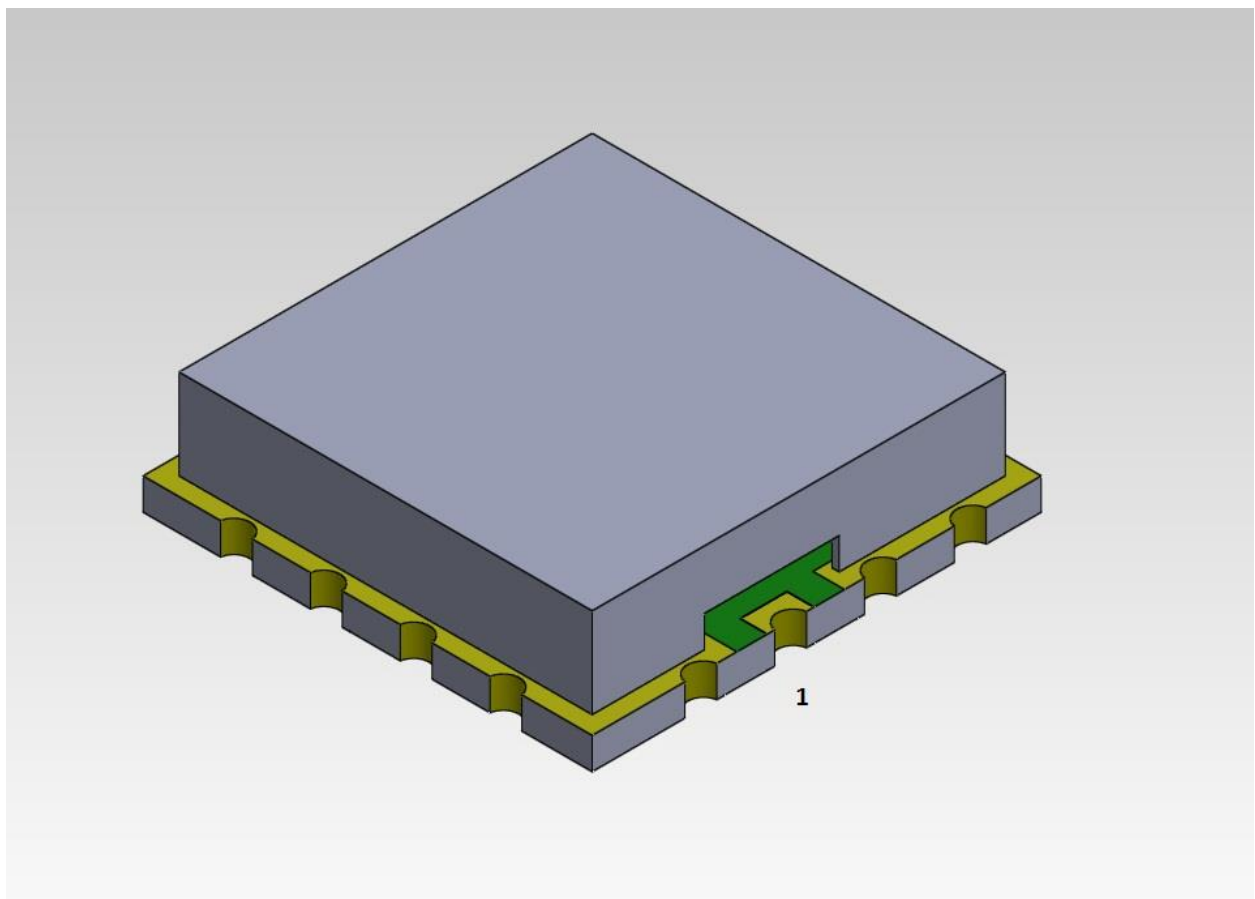
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW