



VCO R070100SMUA5

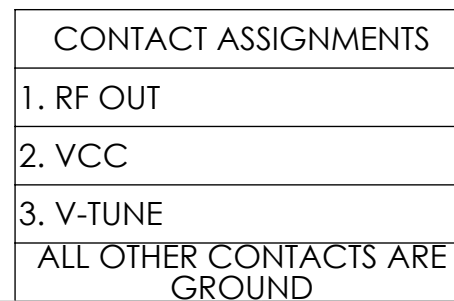
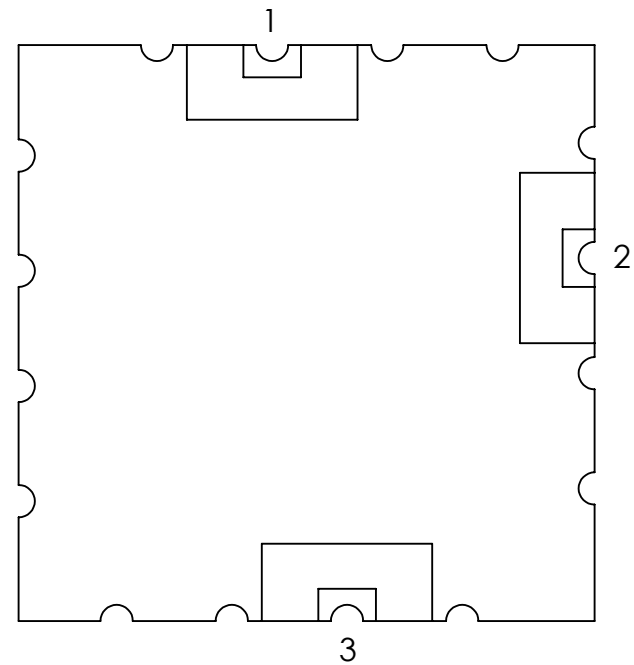
rev_0

initial rev

	<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	700		1000	MHz	1	..	..
Tuning Voltage	0		21	V	1	..	..
Modulation Sensitivity		20		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-3	0	3	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-70		dBc/Hz	1	..	..
10 KHz Offset		-95		dBc/Hz	1	..	..
100 KHz Offset		-115		dBc/Hz	1	..	..
1 MHz Offset		-135		dBc/Hz	1	..	..
10 MHz Offset		-155		dBc/Hz	1	..	..
Pushing		1	2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		2	4	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance			100	pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		30	40	mA	1	..	..
Operating Temperature	0		+85	C	3	..	..
Package		SMUA			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

Notes

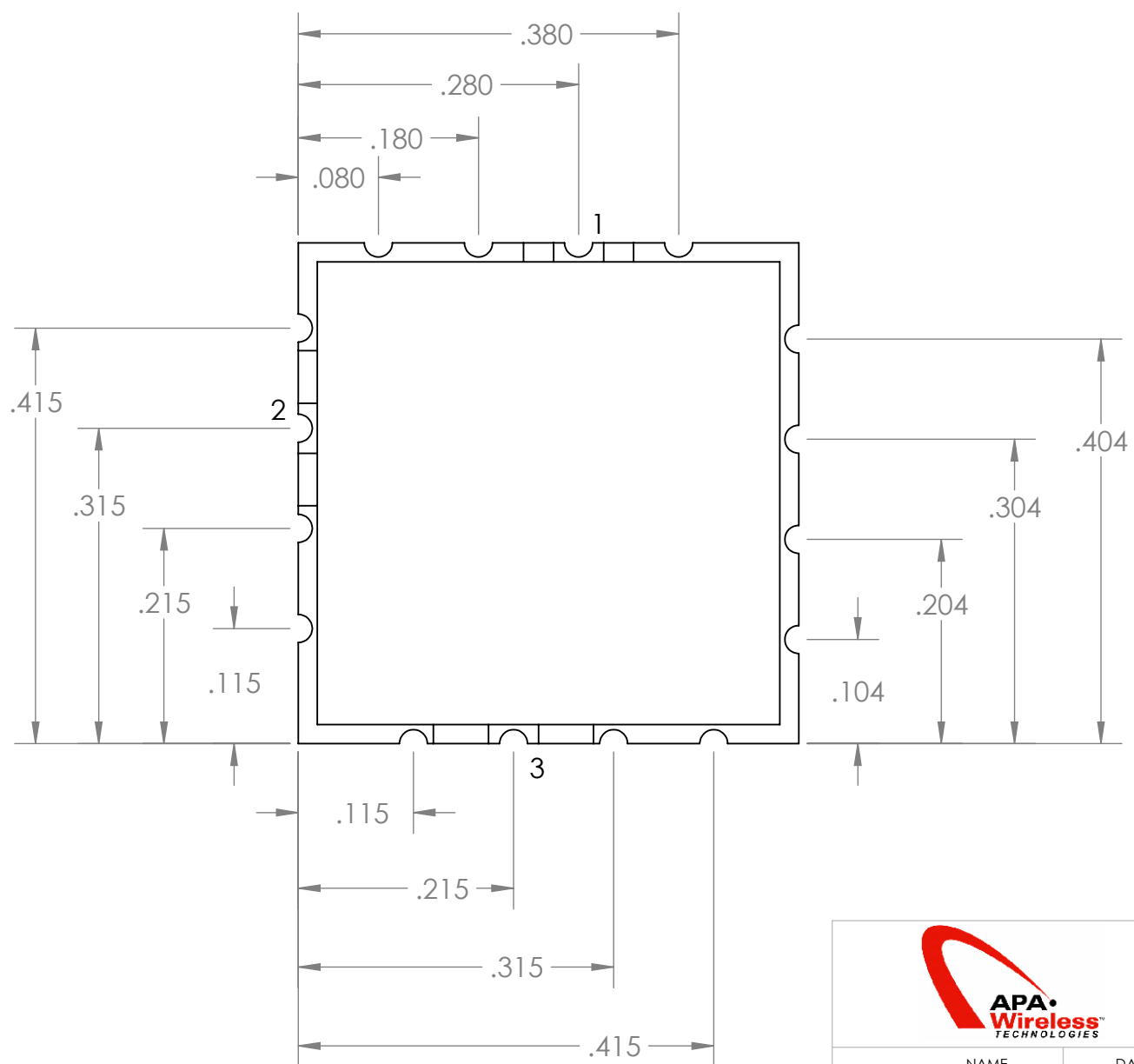
1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. RoHS compliant
7. Design goal subject to change



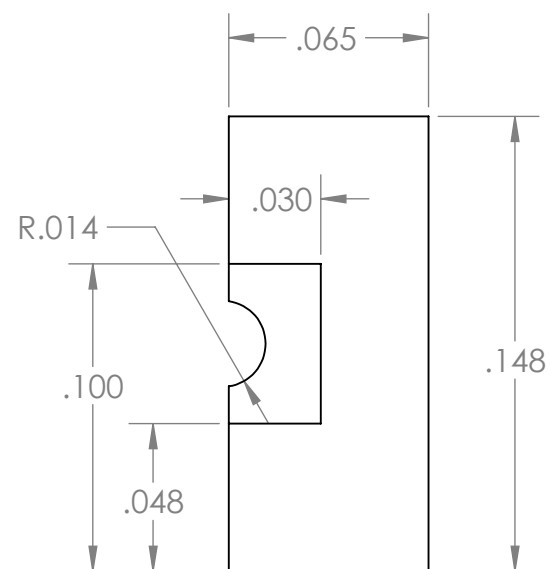
SMUA PACKAGE

SIZE A	DWG. NO. 1	REV
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SCALE: 6:1	unit: inch	SHEET 1 OF 2
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CONTACT DIMENSIONS



Scale: 16:1



TITLE:

SMUA PACKAGE

DRAWN

NAME
Stefan Babulal

DATE

2/20/2017

COMMENTS:

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

SIZE
A

DWG. NO.

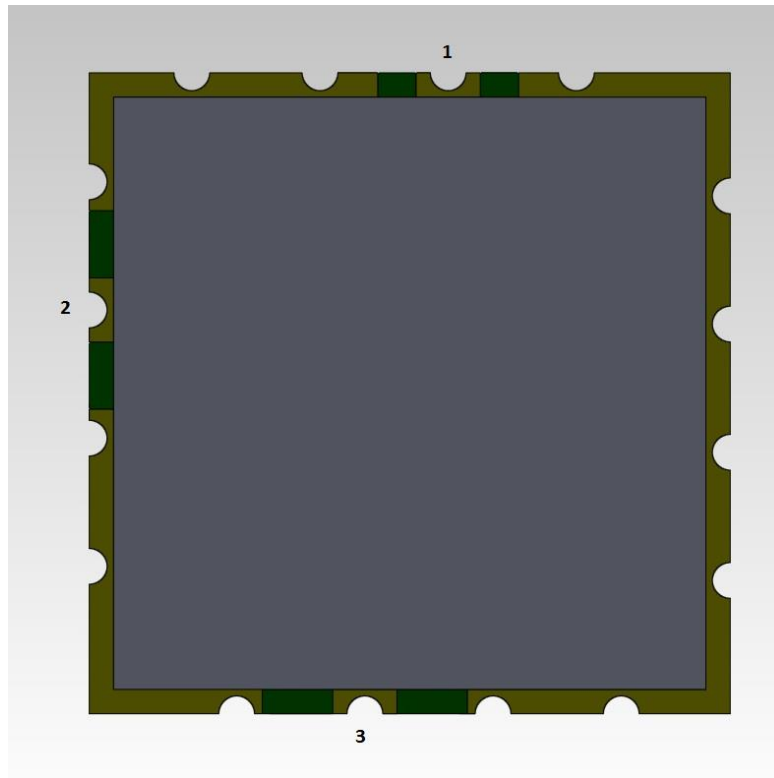
1

REV

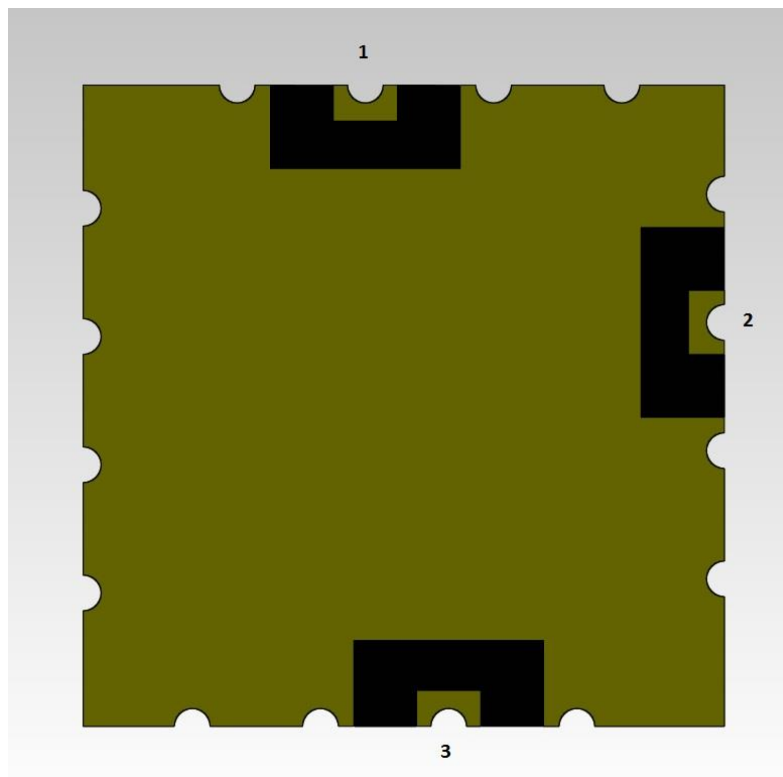
SCALE: 6:1

unit: inch

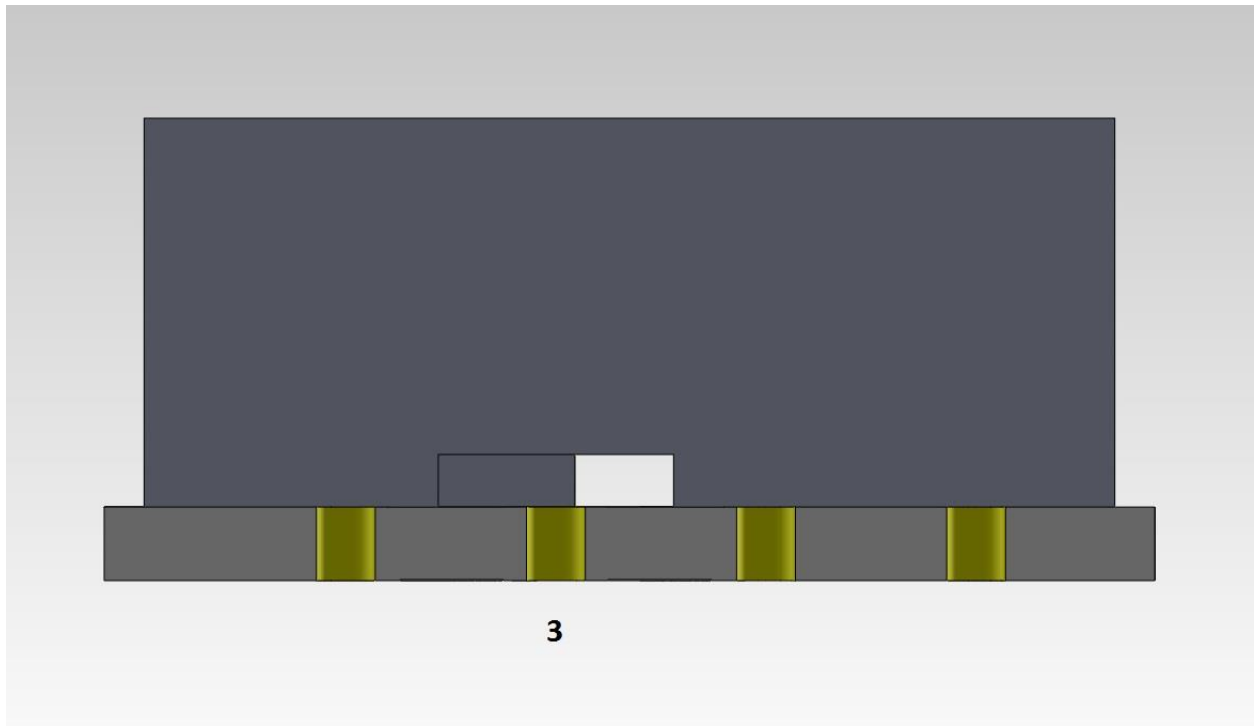
SHEET 2 OF 2



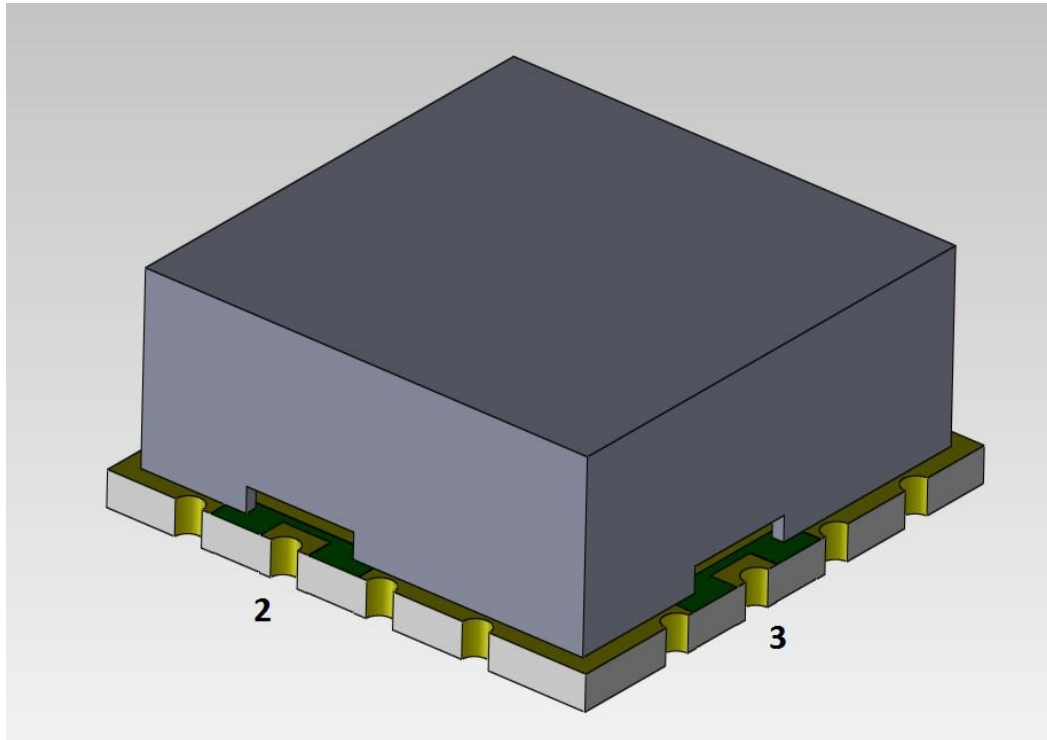
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW