



VCO R1427SMUA5

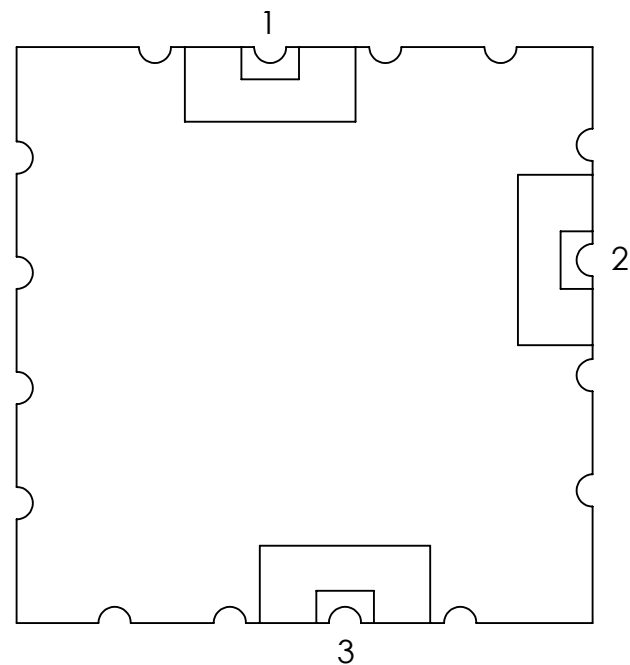
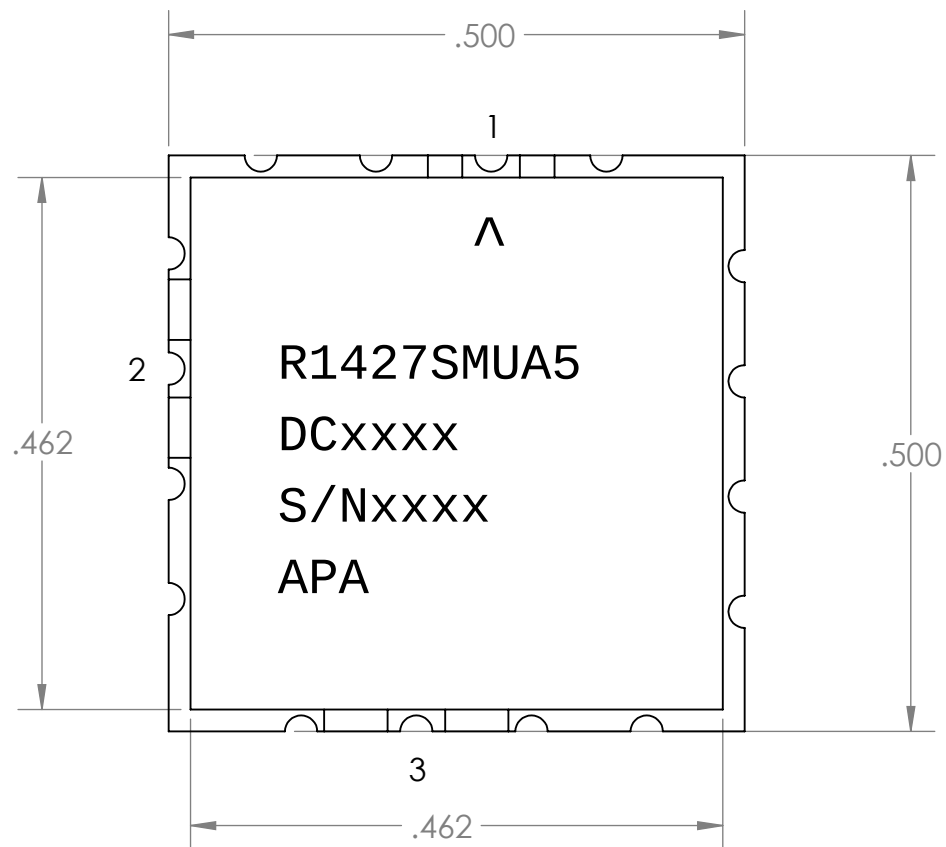
rev_0

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	1400		2700	MHz	1	..	..
Tuning Voltage	0		21	V	1	..	..
Modulation Sensitivity		100		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-3	0	3	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-65		dBc/Hz	1	..	..
10 KHz Offset		-90		dBc/Hz	1	..	..
100 KHz Offset		-110		dBc/Hz	1	..	..
1 MHz Offset		-130		dBc/Hz	1	..	..
10 MHz Offset		-150		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



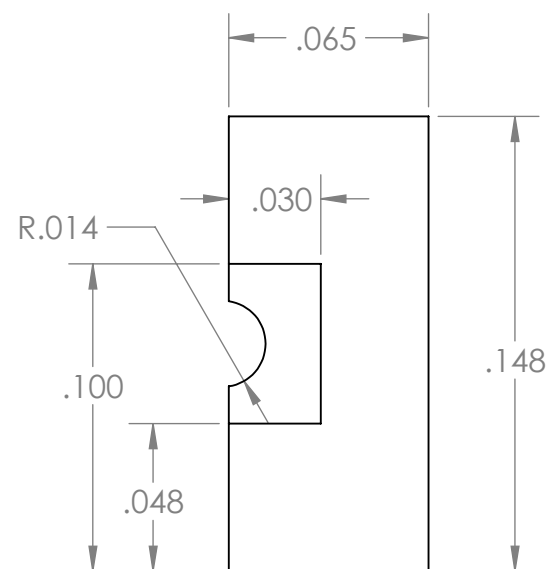
CONTACT ASSIGNMENTS	
1.	RF OUT
2.	VCC
3.	V-TUNE
ALL OTHER CONTACTS ARE GROUND	



		TITLE:	
		SMUA PACKAGE	
DRAWN	NAME Stefan Babulal	DATE 2/20/2017	REV
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		SIZE A	DWG. NO. 1
		SCALE: 6:1	SHEET 1 OF 2



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

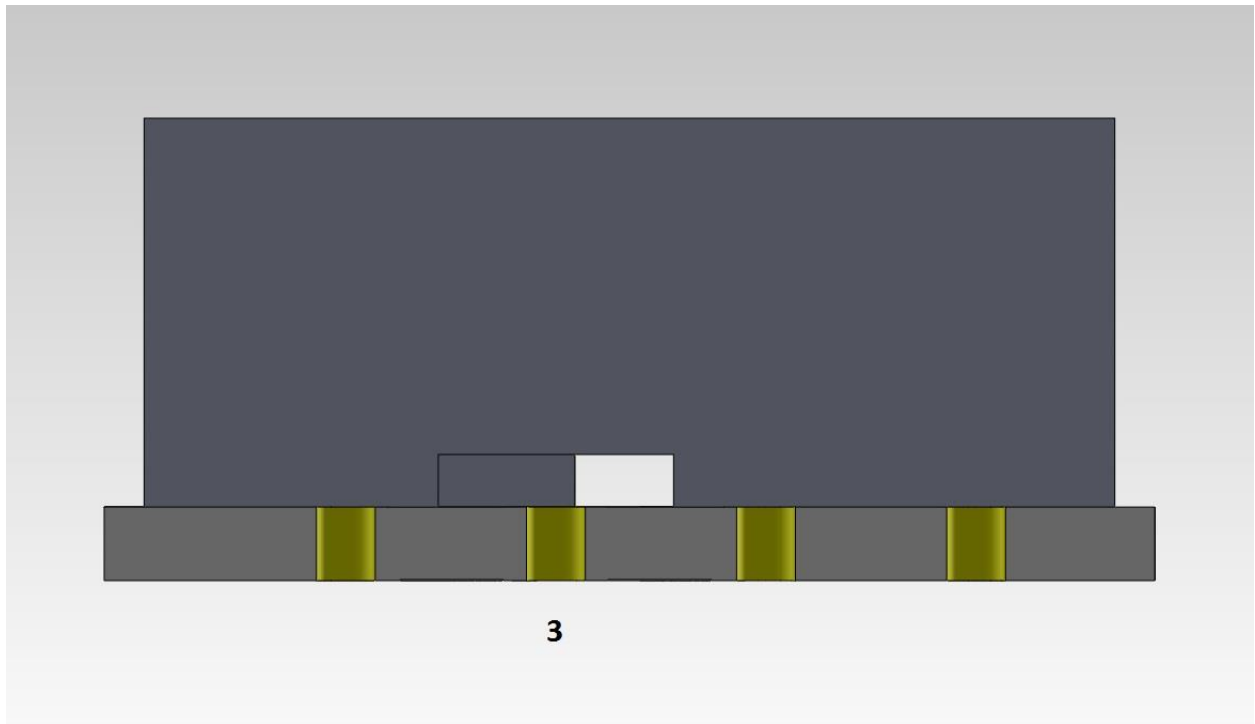
SHEET 2 OF 2



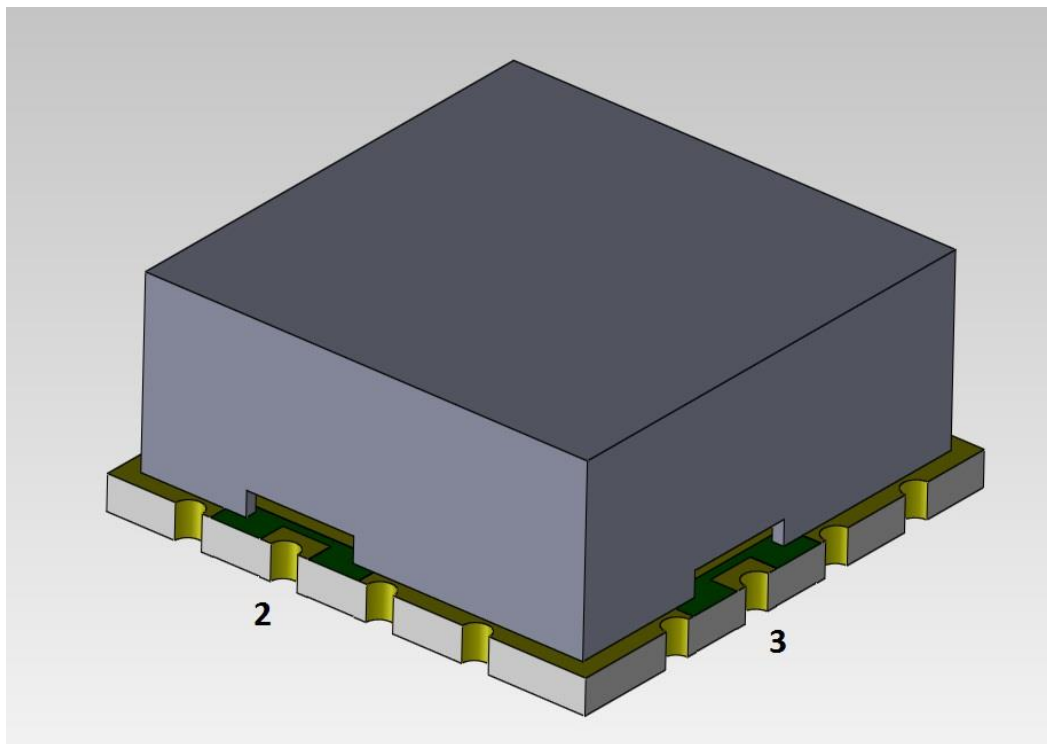
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW