



VCO R42445SMUA5

rev_0

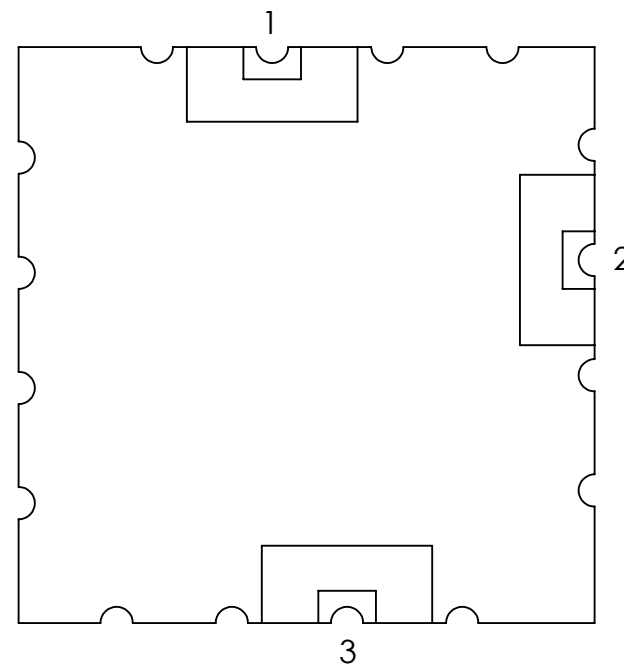
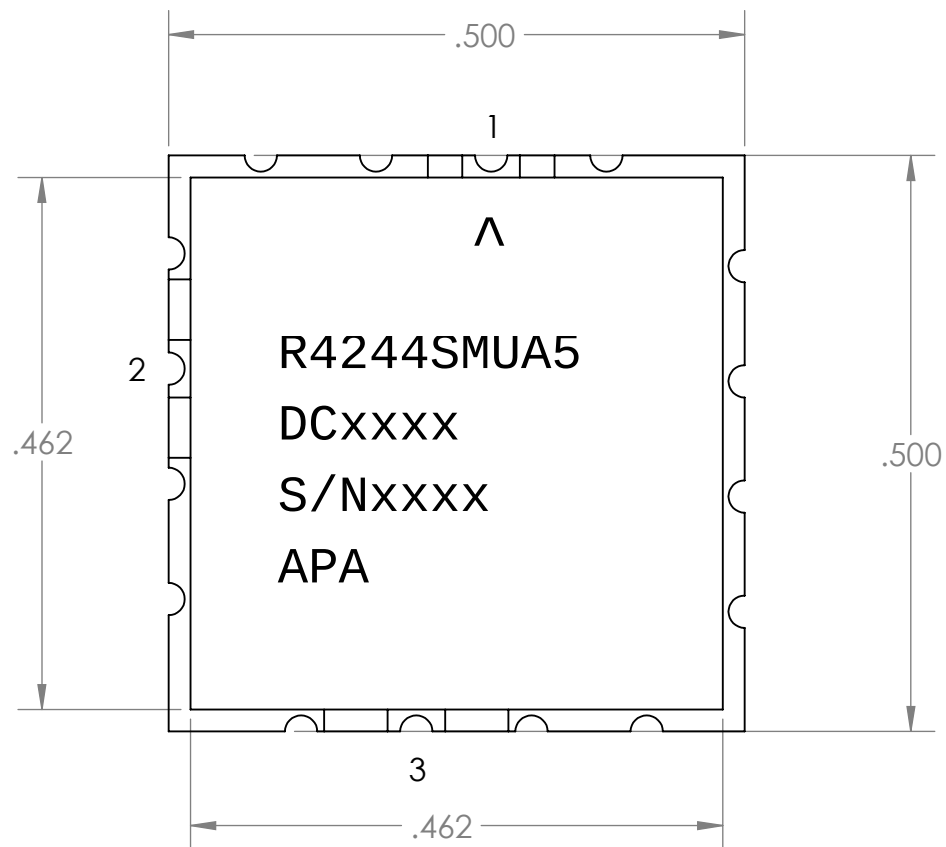
rev_1

initial rev

Vtune & Pout

						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	4200		4400	MHz	1	..	..
Tuning Voltage	0.5		5	V	1	..	..
Modulation Sensitivity		80		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2.5	0	2.5	dBm	1	..	..
@Vt = 0V	-3.0			dBm	1	..	..
Phase Noise @							
1 KHz Offset		-68	-63	dBc/Hz	1	..	..
10 KHz Offset		-95	-90	dBc/Hz	1	..	..
100 KHz Offset		-115	-110	dBc/Hz	1	..	..
1 MHz Offset		-135	-130	dBc/Hz	1	..	..
10 MHz Offset		-155	-150	dBc/Hz	1	..	..
Pushing		2		MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.6		MHz _{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		10		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		30		mA	1	..	..
Operating Temperature	-40		+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	



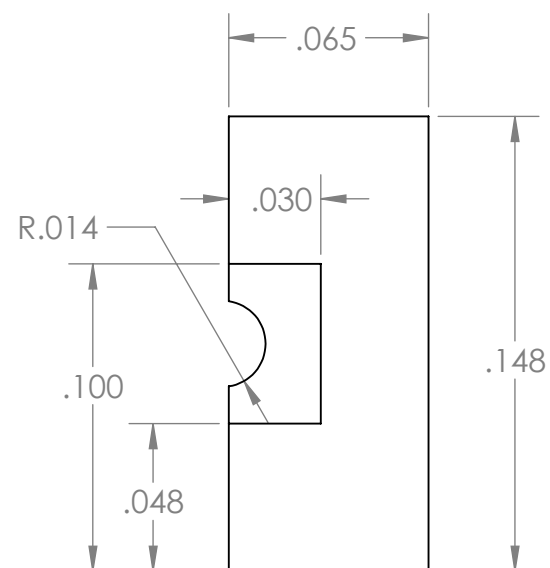
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

TITLE: SMUA PACKAGE		
SIZE A	DWG. NO. 1	REV
SCALE: 6:1	unit: inch	SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1



DRAWN NAME
Stefan Babulal

DATE
2/20/2017

COMMENTS:
All dimensions are in inches.
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TITLE:

SMUA PACKAGE

SIZE	DWG. NO.	REV
A	1	

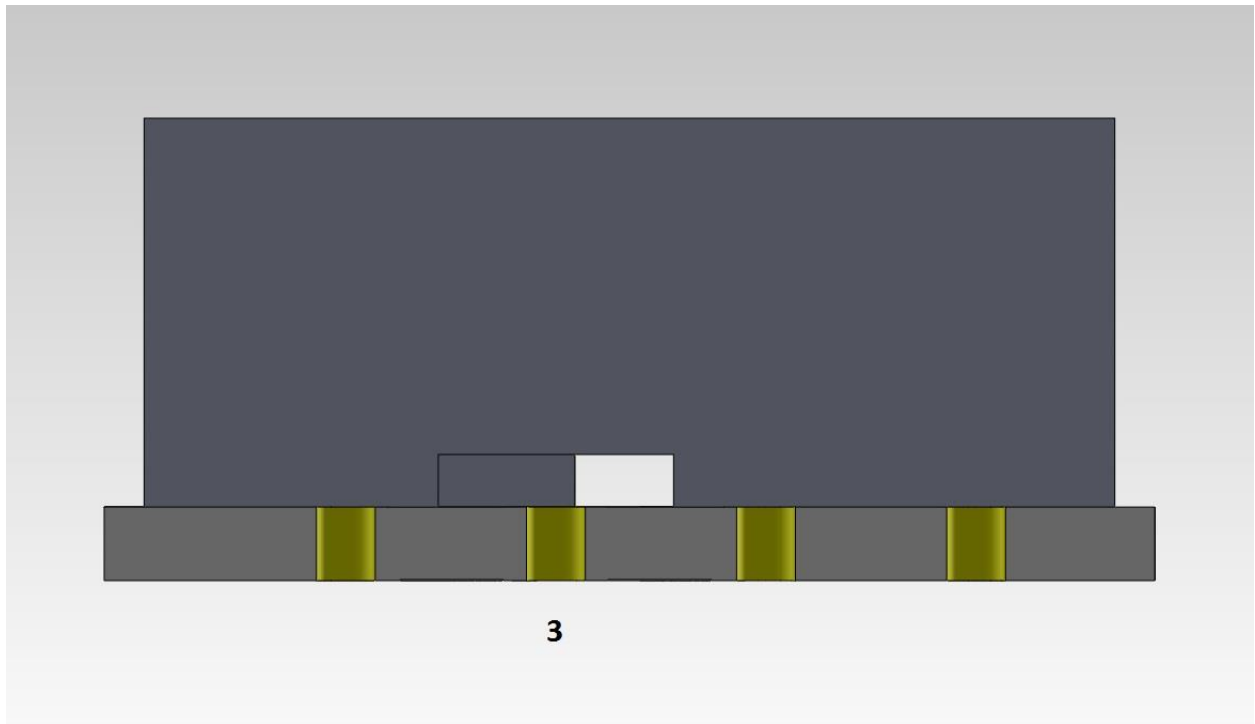
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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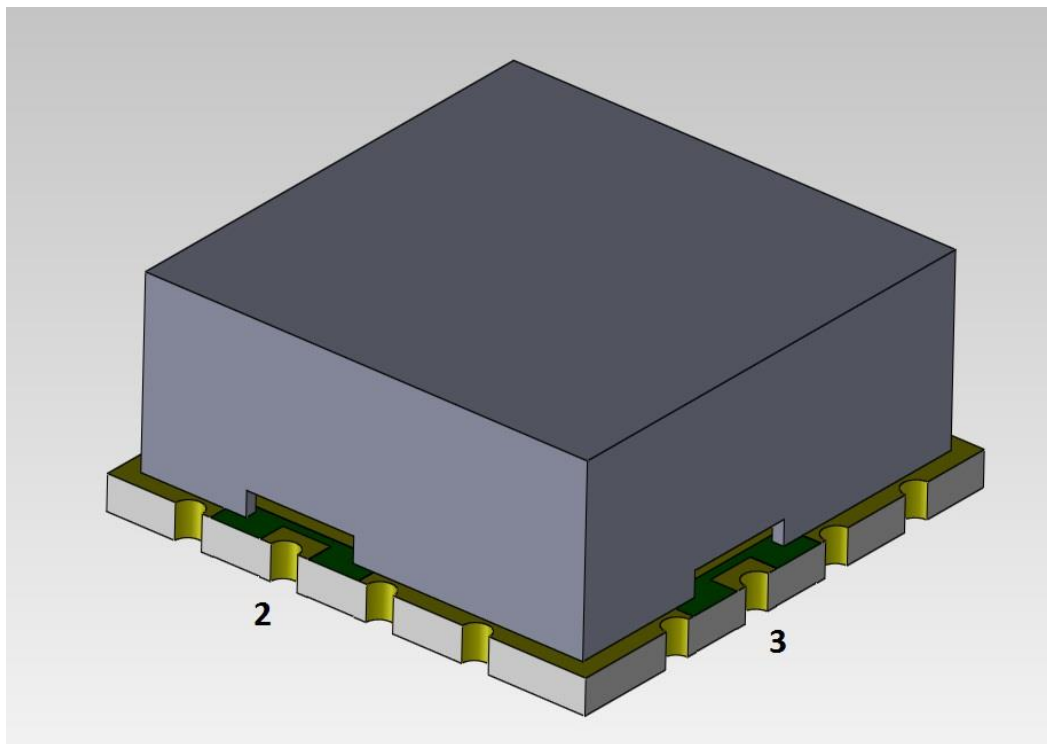
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW