



VCO R3870SMUA8CR

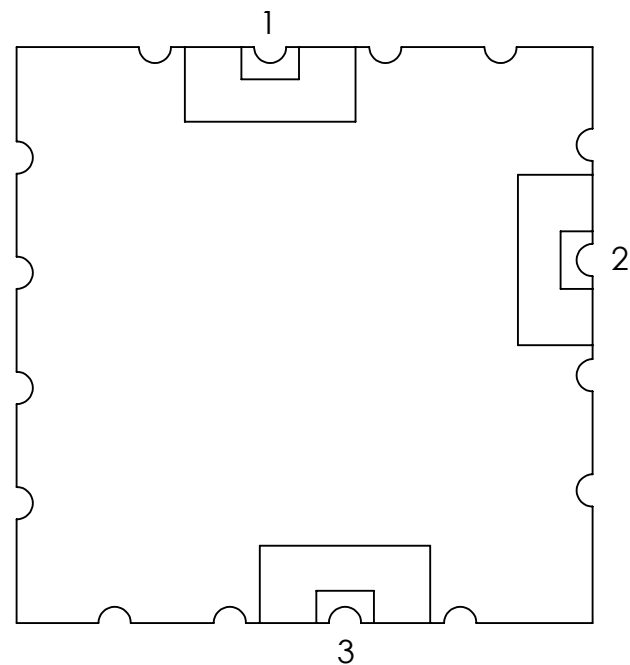
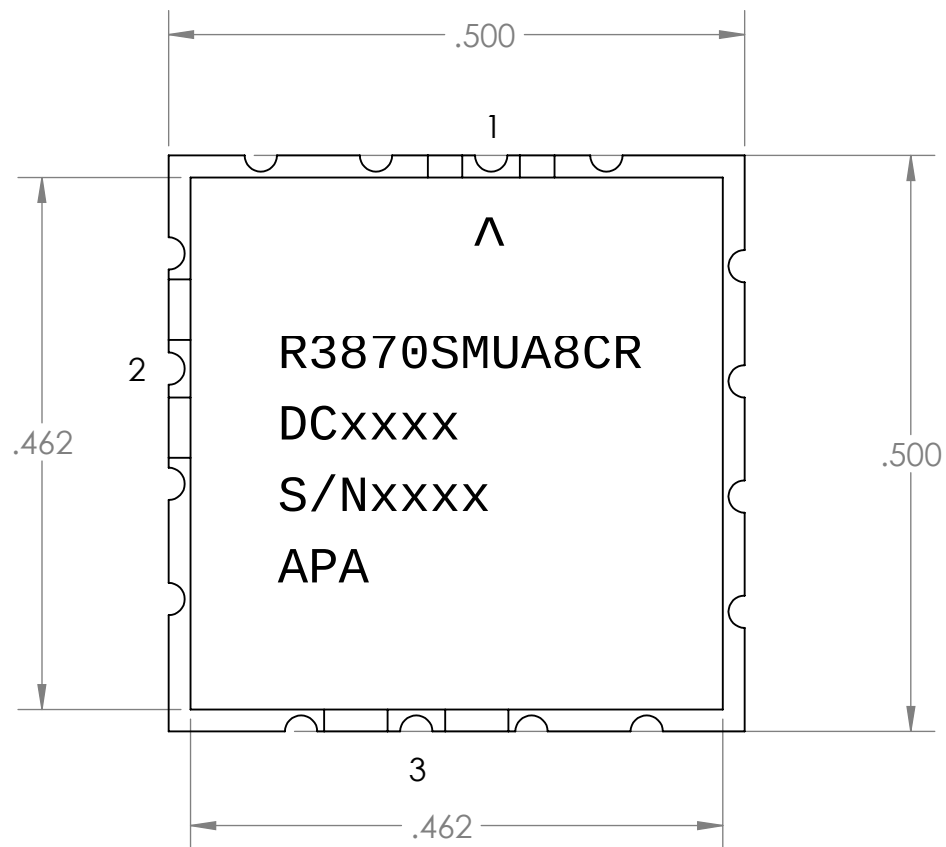
rev_0

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		3870		MHz	1	..	..
Tuning Voltage	2		10	V	1	..	..
Modulation Sensitivity		4.0		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	4	6	8	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-88	-83	dBc/Hz	1	..	..
10 KHz Offset		-118	-113	dBc/Hz	1	..	..
100 KHz Offset		-138	-133	dBc/Hz	1	..	..
1 MHz Offset		-158	-153	dBc/Hz	1	..	..
10 MHz Offset		-165	-160	dBc/Hz	1	..	..
Pushing		0.2	0.5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.2		MHz _{p-p}	3	..	..
Modulation Bandwidth		0.2		MHz	4	..	..
Tuning Port Capacitance		28		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		8.0		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	

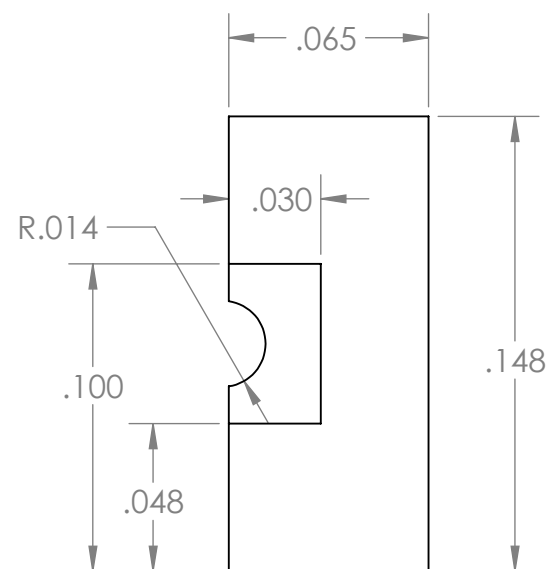


DRAWN	NAME Stefan Babulal	DATE 2/20/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		

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.
Tolerances ± 0.005 unless otherwise noted

TITLE:

SMUA PACKAGE

SIZE
A

DWG. NO.

1

REV

SCALE: 6:1

unit: inch

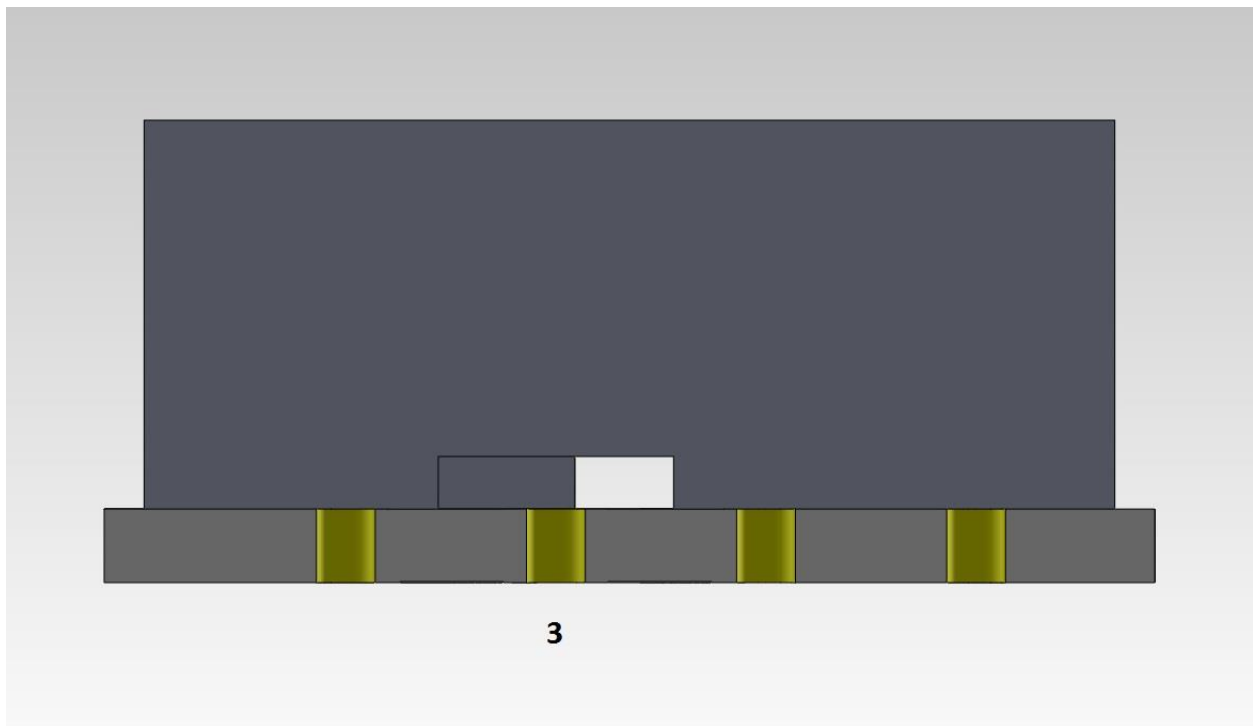
SHEET 2 OF 2



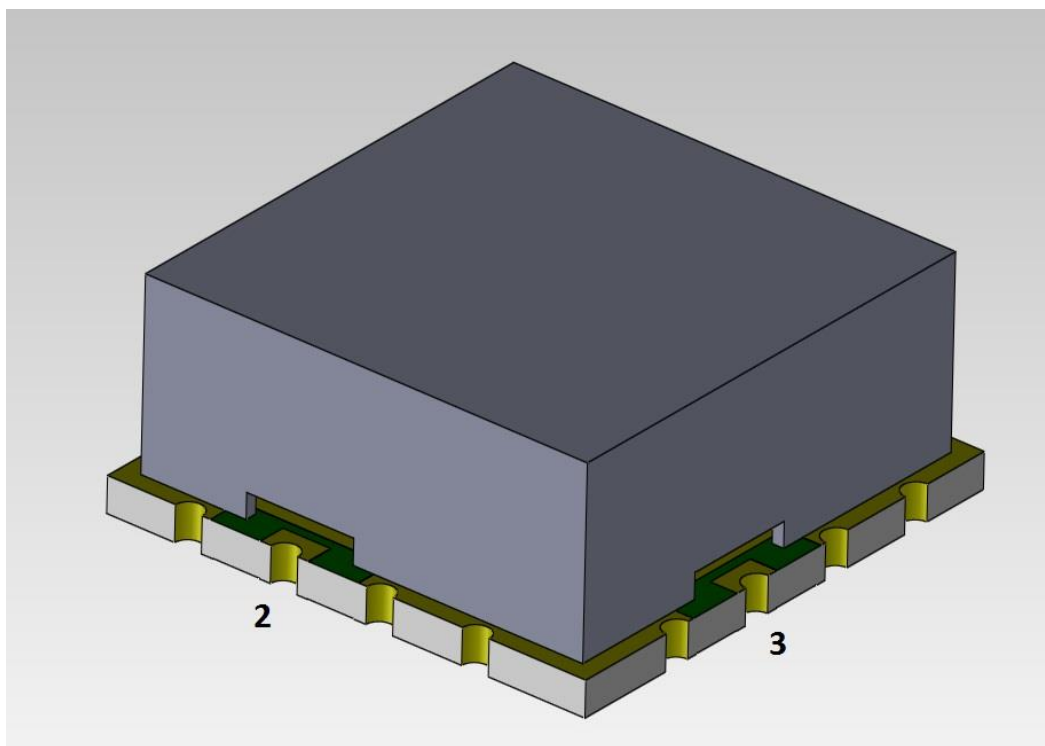
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW