



VCO R131133SMUA5CR

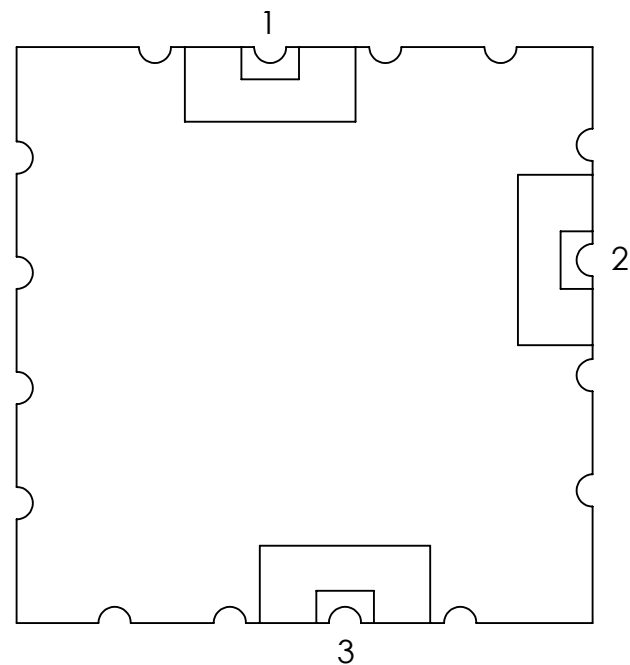
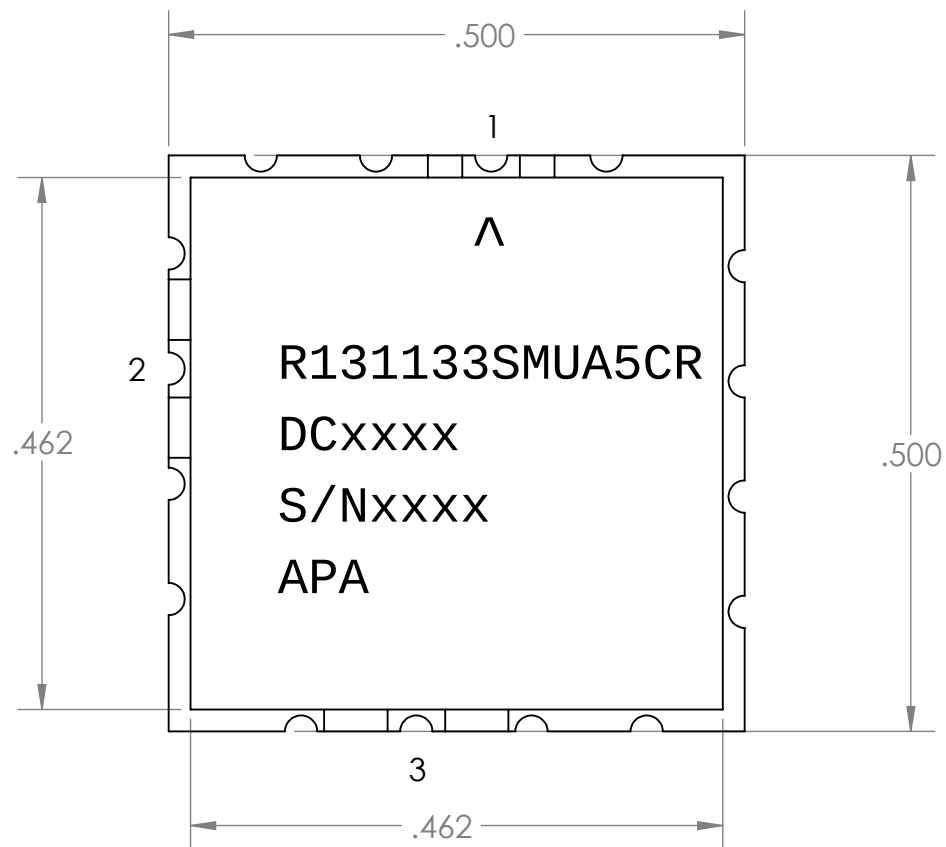
rev_0

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	1310		1334	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		10		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-95	-90	dBc/Hz	1	..	..
10 KHz Offset		-120	-115	dBc/Hz	1	..	..
100 KHz Offset		-140	-135	dBc/Hz	1	..	..
1 MHz Offset		-160	-155	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		0.2		MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.2		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		150		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		27		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	

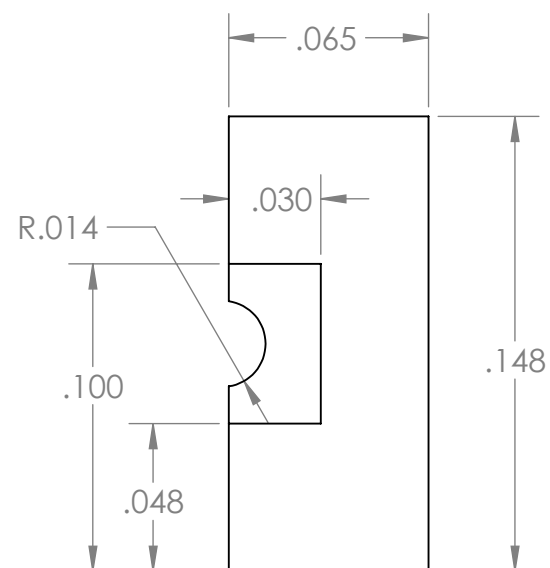


DRAWN	NAME	DATE
	Stefan Babulal	2/20/2017
COMMENTS:		
All dimensions are in inches.		
Tolerances ± 0.005 unless otherwise noted		

TITLE:		
SMUA PACKAGE		
SIZE	DWG. NO.	REV
A	1	
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
------------------	---------------	-----

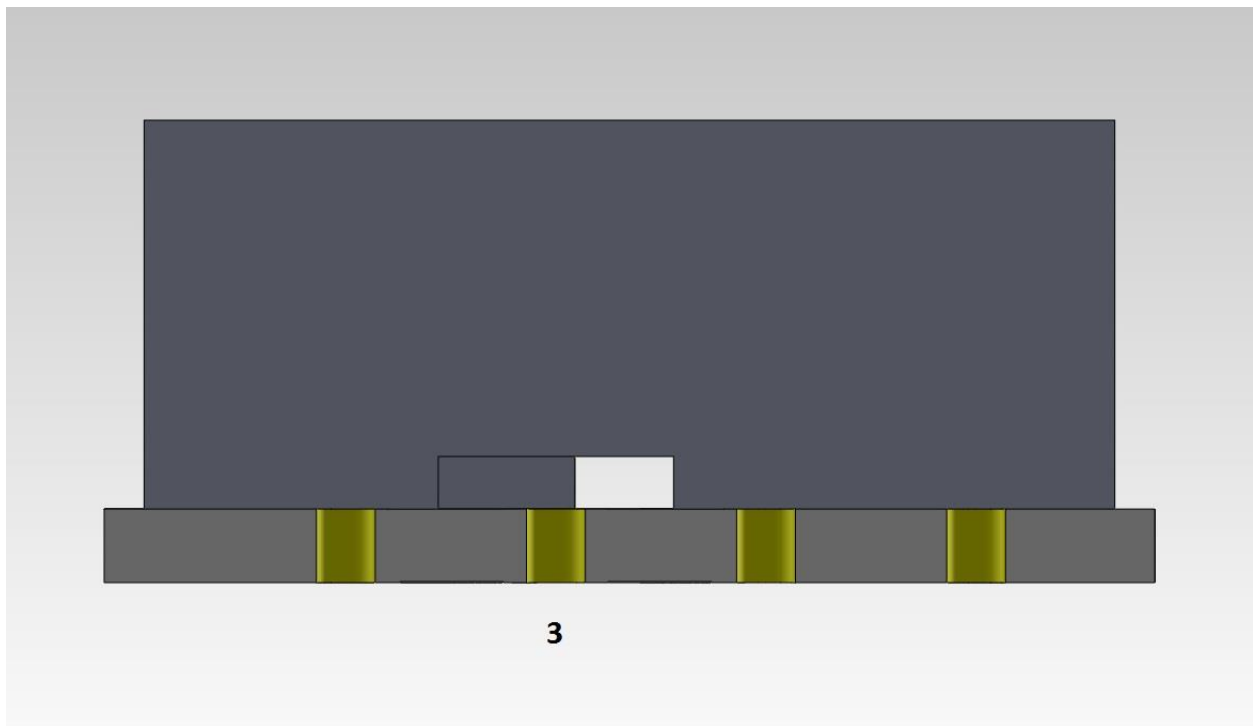
SCALE: 6:1	unit: inch	SHEET 2 OF 2
------------	------------	--------------



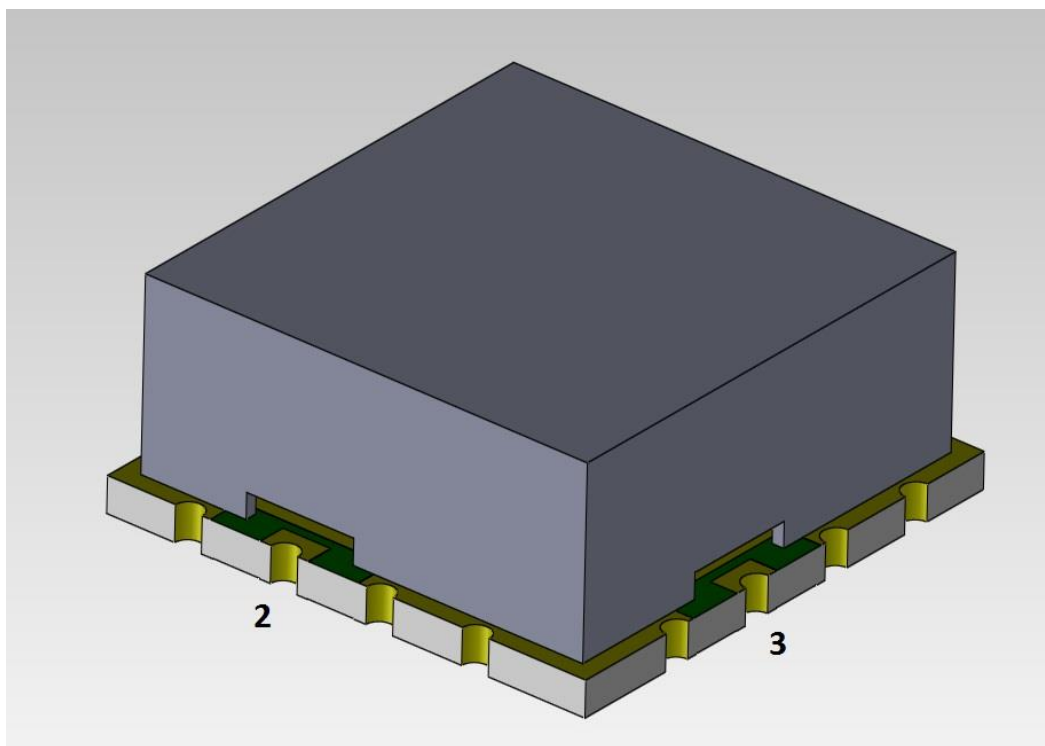
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW