



VCO R200202SMUA6CR

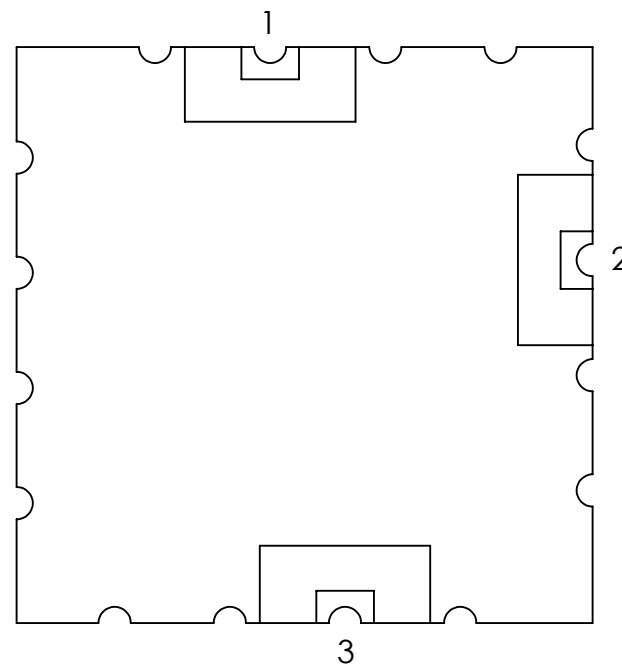
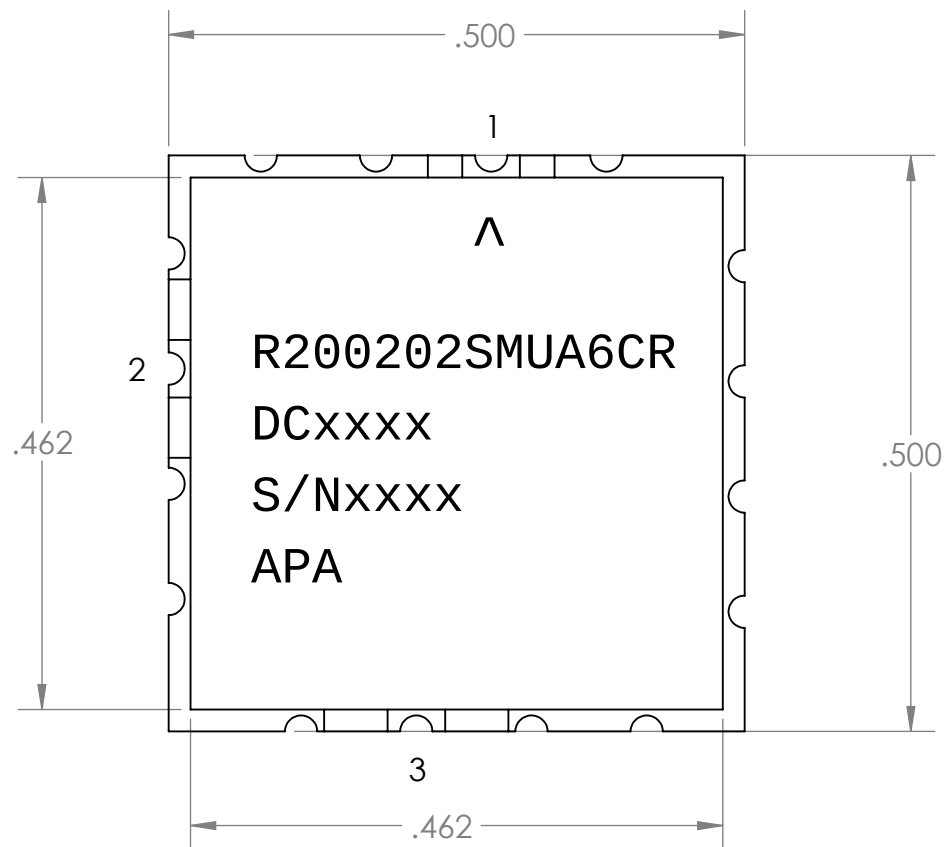
rev_0

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	2001		2018	MHz	1	..	..
Tuning Voltage	2		10	V	1	..	..
Modulation Sensitivity		4		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power		6		dBm	1	..	..
Phase Noise @							
1 KHz Offset		-96		dBc/Hz	1	..	..
10 KHz Offset		-123		dBc/Hz	1	..	..
100 KHz Offset		-143		dBc/Hz	1	..	..
1 MHz Offset		-163		dBc/Hz	1	..	..
10 MHz Offset		-169		dBc/Hz	1	..	..
Pushing		0.1		MHz/V	3	..	..
Pulling (12dB RL, any phase)		1.5		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		6.0		V		..	..
Icc		28		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. Parylene Conformal Coating
8. Foam Filled
9. Conformal Coating and Foam Fill
10. Design goal subject to change



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

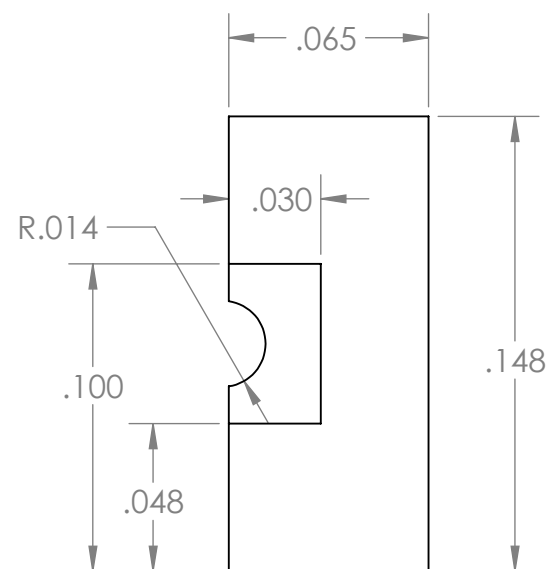


DRAWN	NAME	DATE
	Stefan Babulal	2/20/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		

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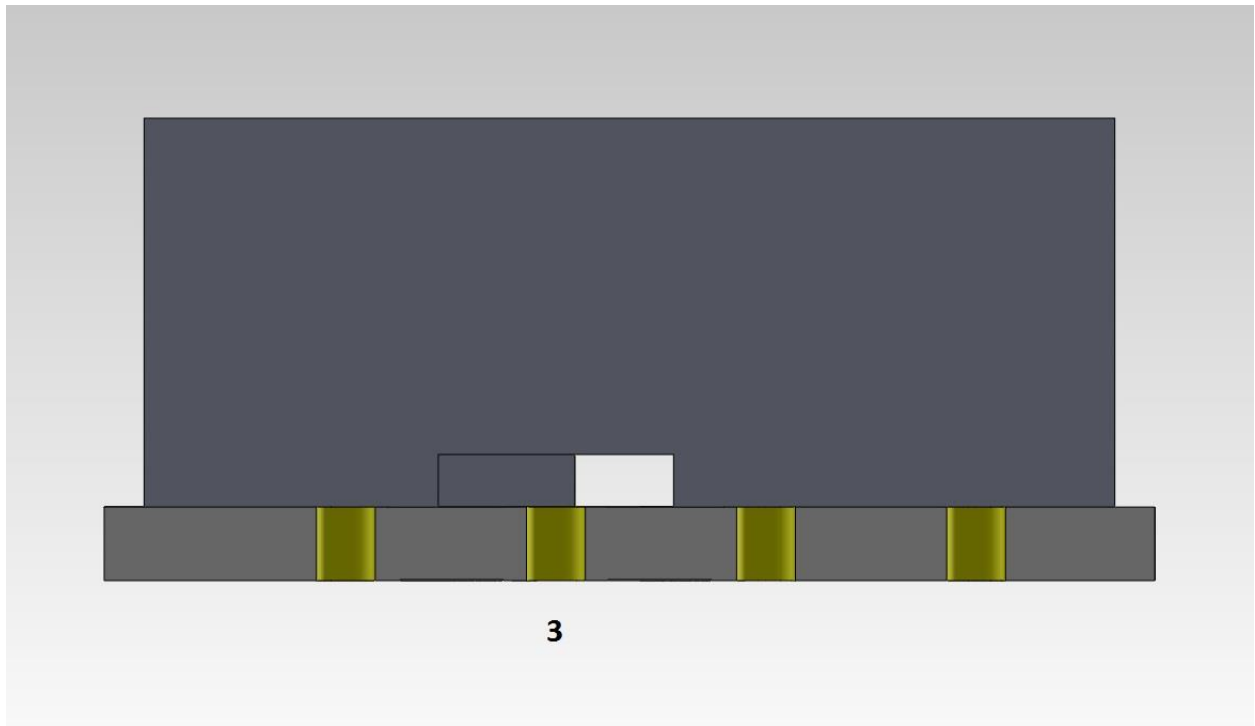
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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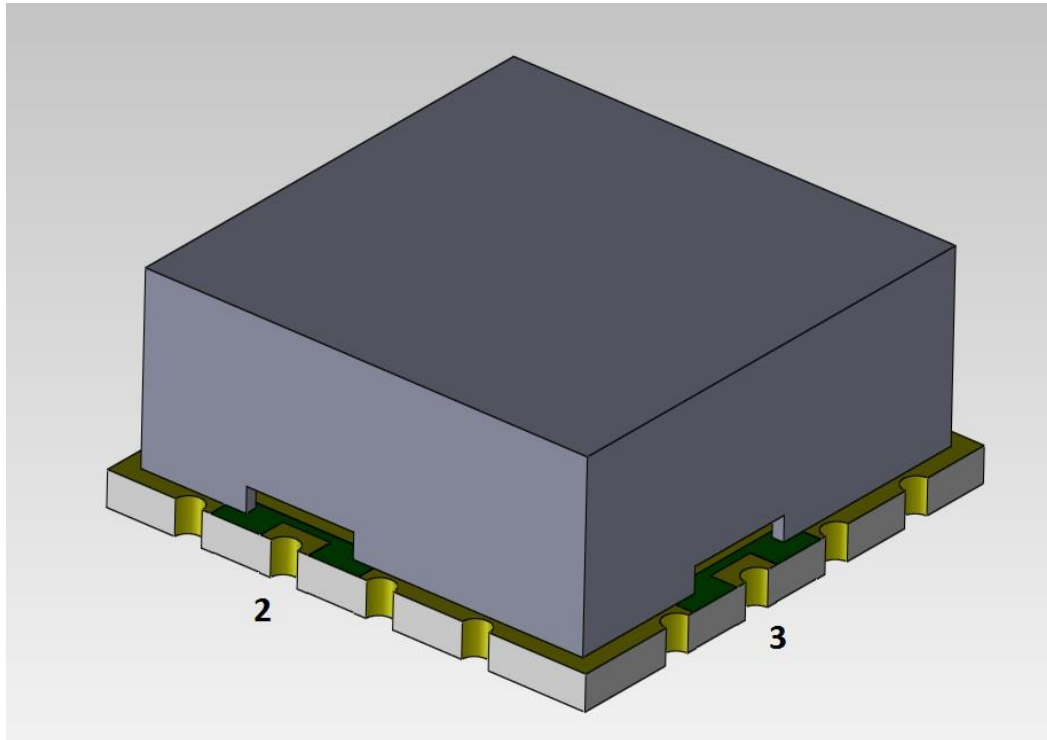
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW