



VCO R1500SMUA6R5CR

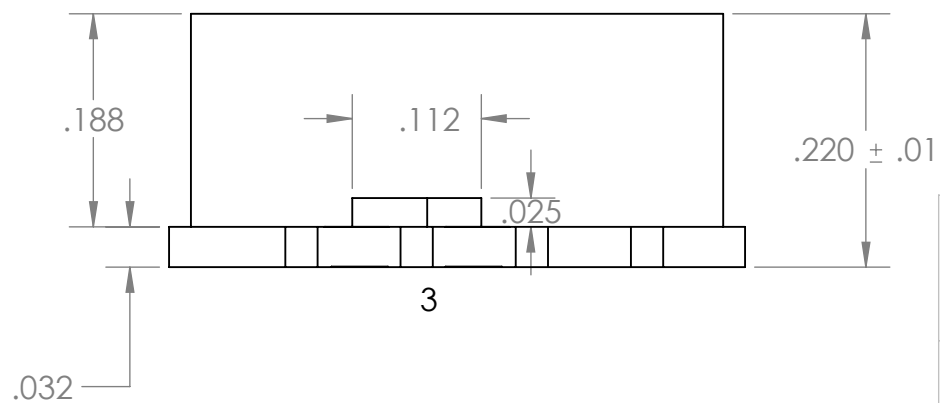
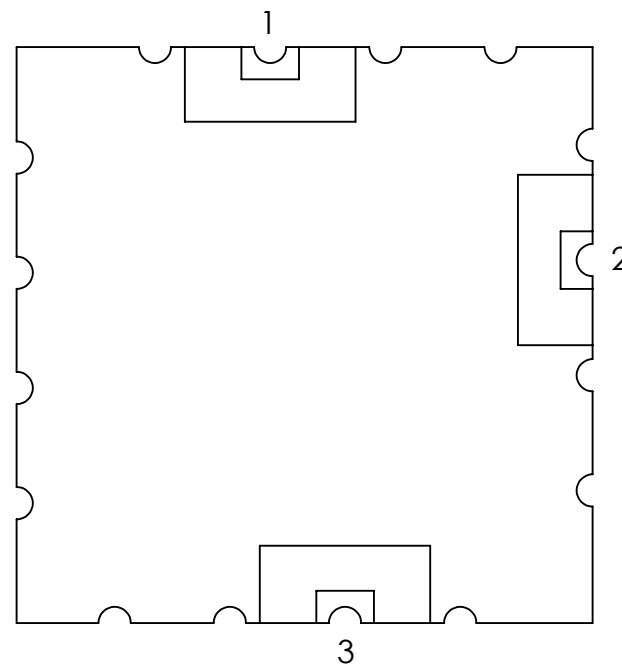
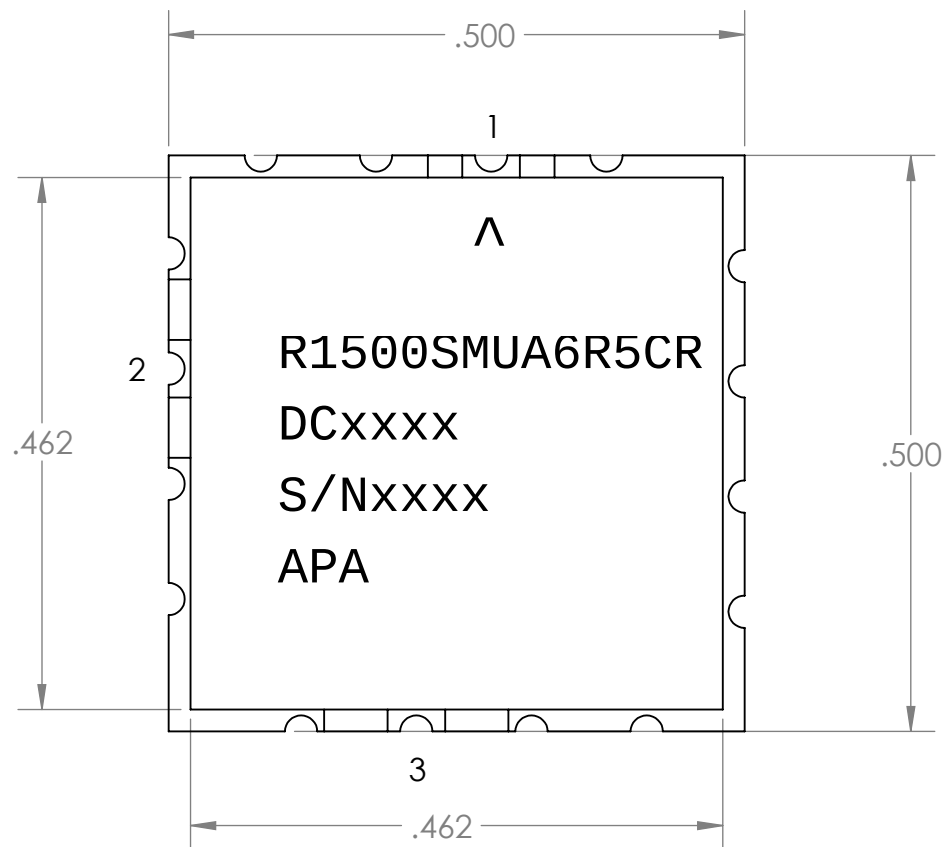
rev_0

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		1500		MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity	3.5	4.0	4.5	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	6	8	10	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-100	-95	dBc/Hz	1	..	..
10 KHz Offset		-125	-120	dBc/Hz	1	..	..
100 KHz Offset		-145	-140	dBc/Hz	1	..	..
1 MHz Offset		-164	-155	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		0.1	0.2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.2	0.5	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		6.5		V			
Icc		29		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	



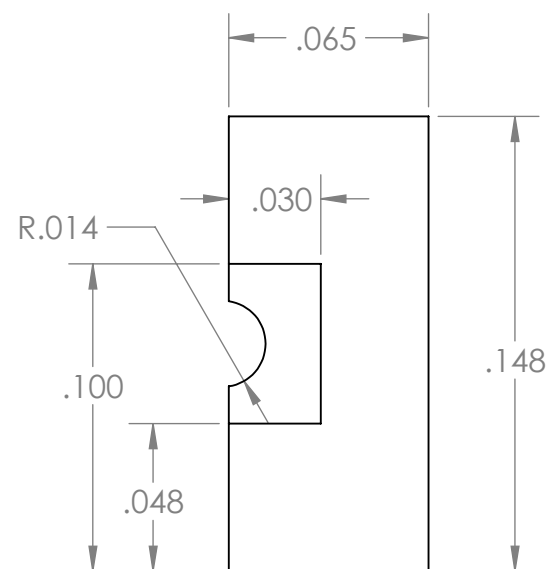
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
 All dimensions are in inches.
 Tolerances ± 0.005 unless otherwise noted

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



CONTACT DIMENSIONS



Scale: 16:1



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COMMENTS:
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TITLE:
SMUA PACKAGE

SIZE A	DWG. NO. 1	REV
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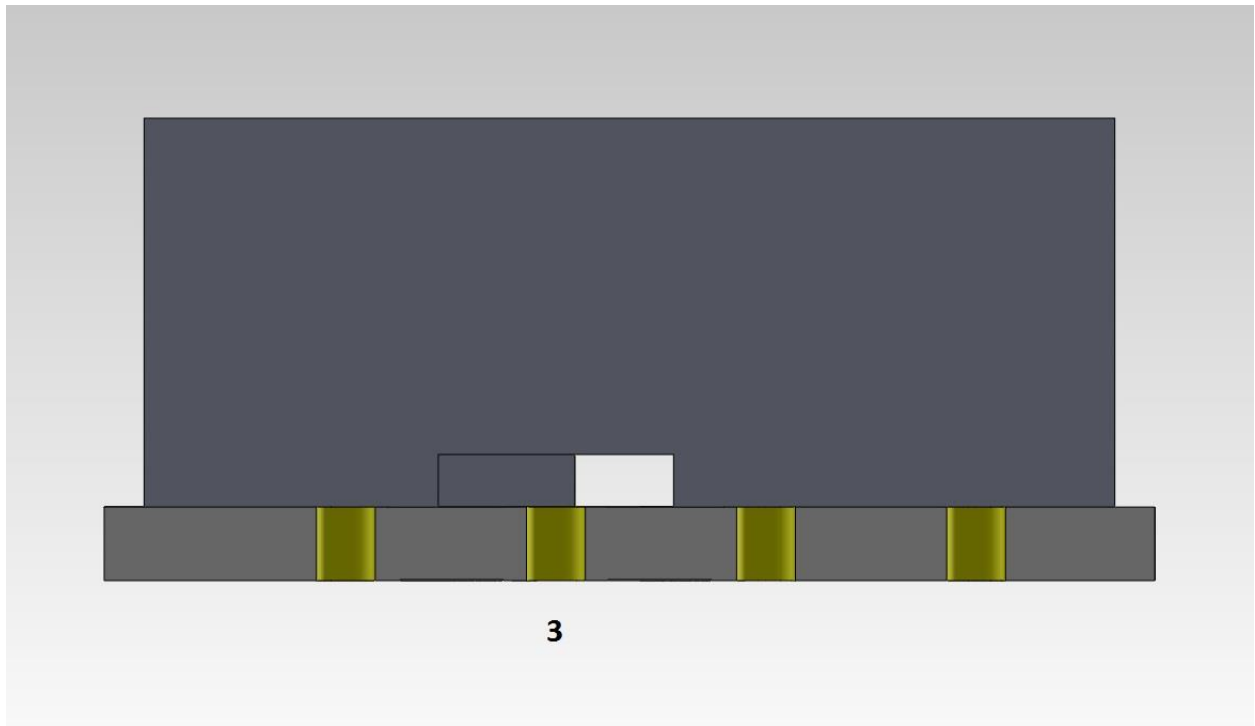
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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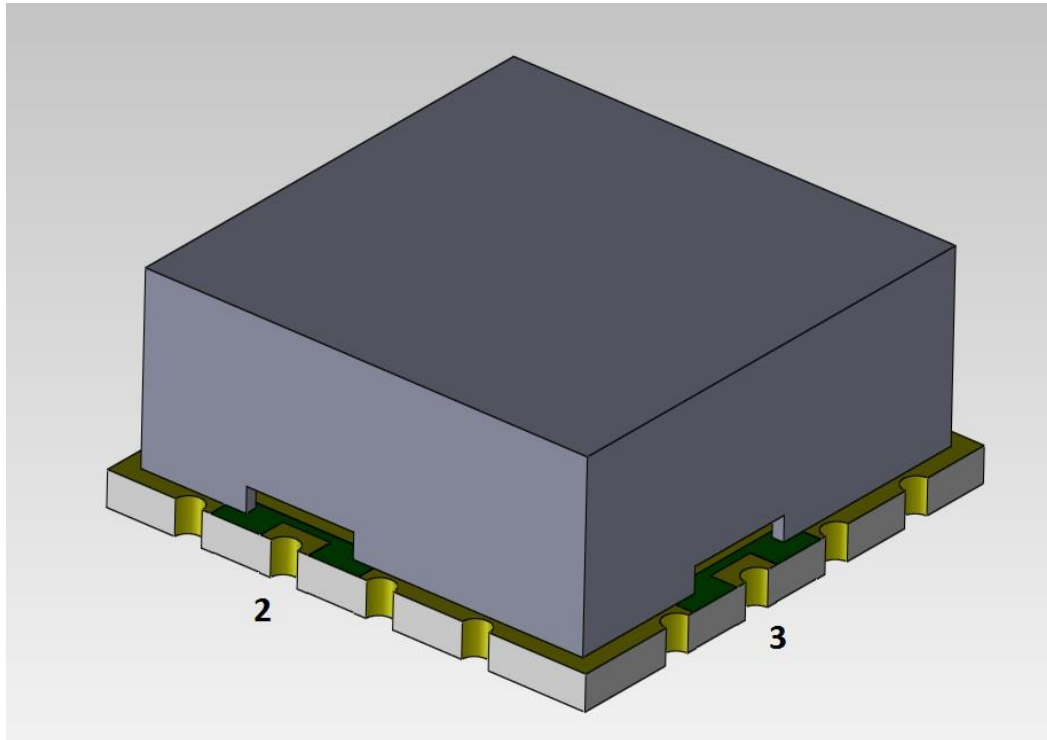
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW