



VCO 2500SMUA5CR

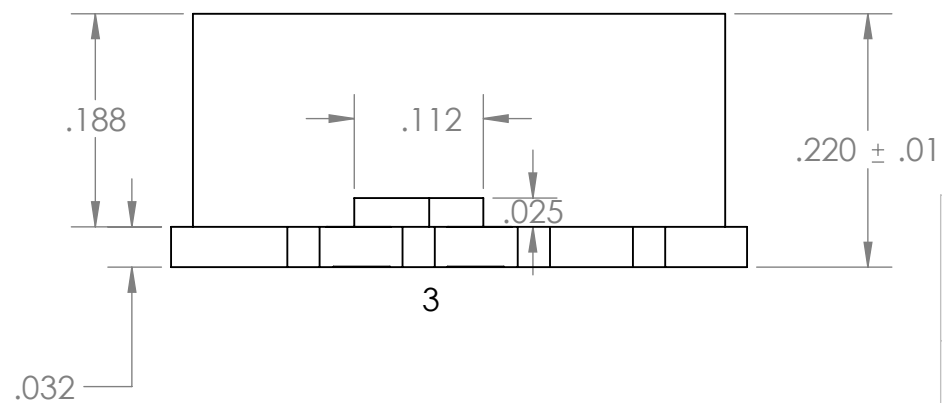
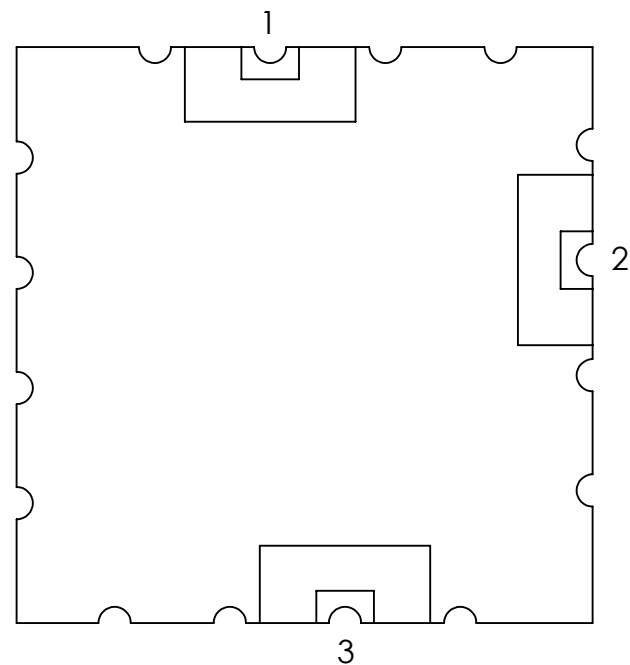
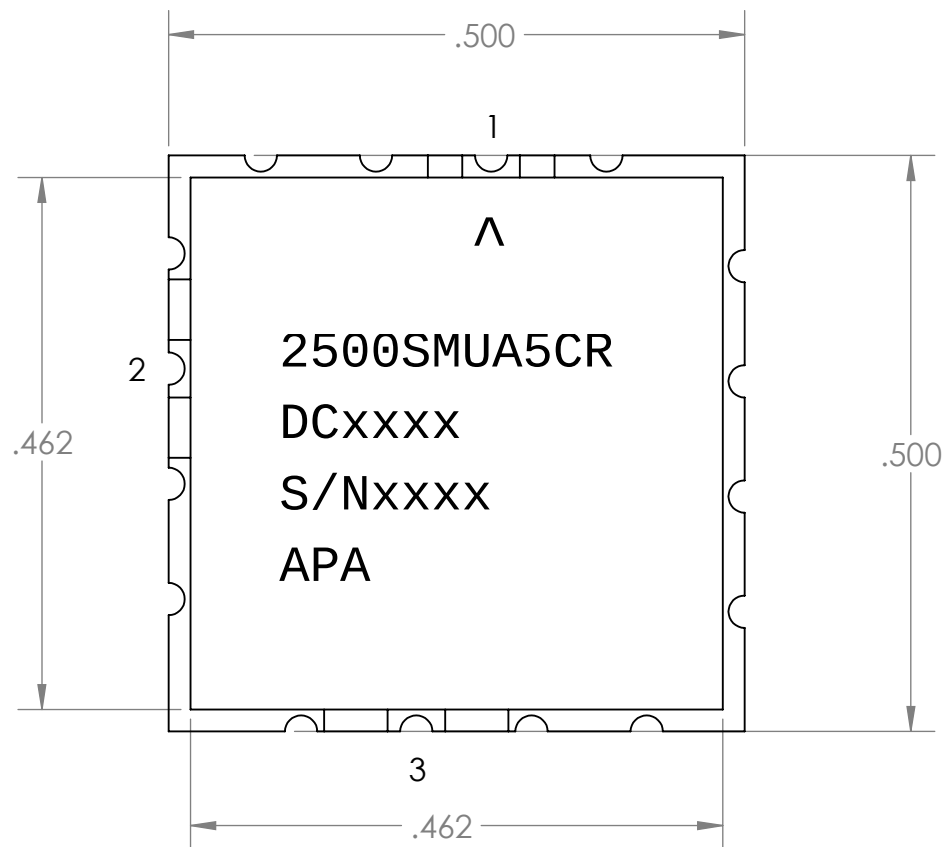
rev_0

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		2500		MHz	1	..	..
Tuning Voltage	0		5	V	1	..	..
Modulation Sensitivity	2.2	3	3.8	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	6	8	10	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-97		dBc/Hz	1	..	..
10 KHz Offset		-122		dBc/Hz	1	..	..
100 KHz Offset		-142		dBc/Hz	1	..	..
1 MHz Offset		-162		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		20		pF	2	..	..
Harmonics		-15	-8	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		30		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA				..	..
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



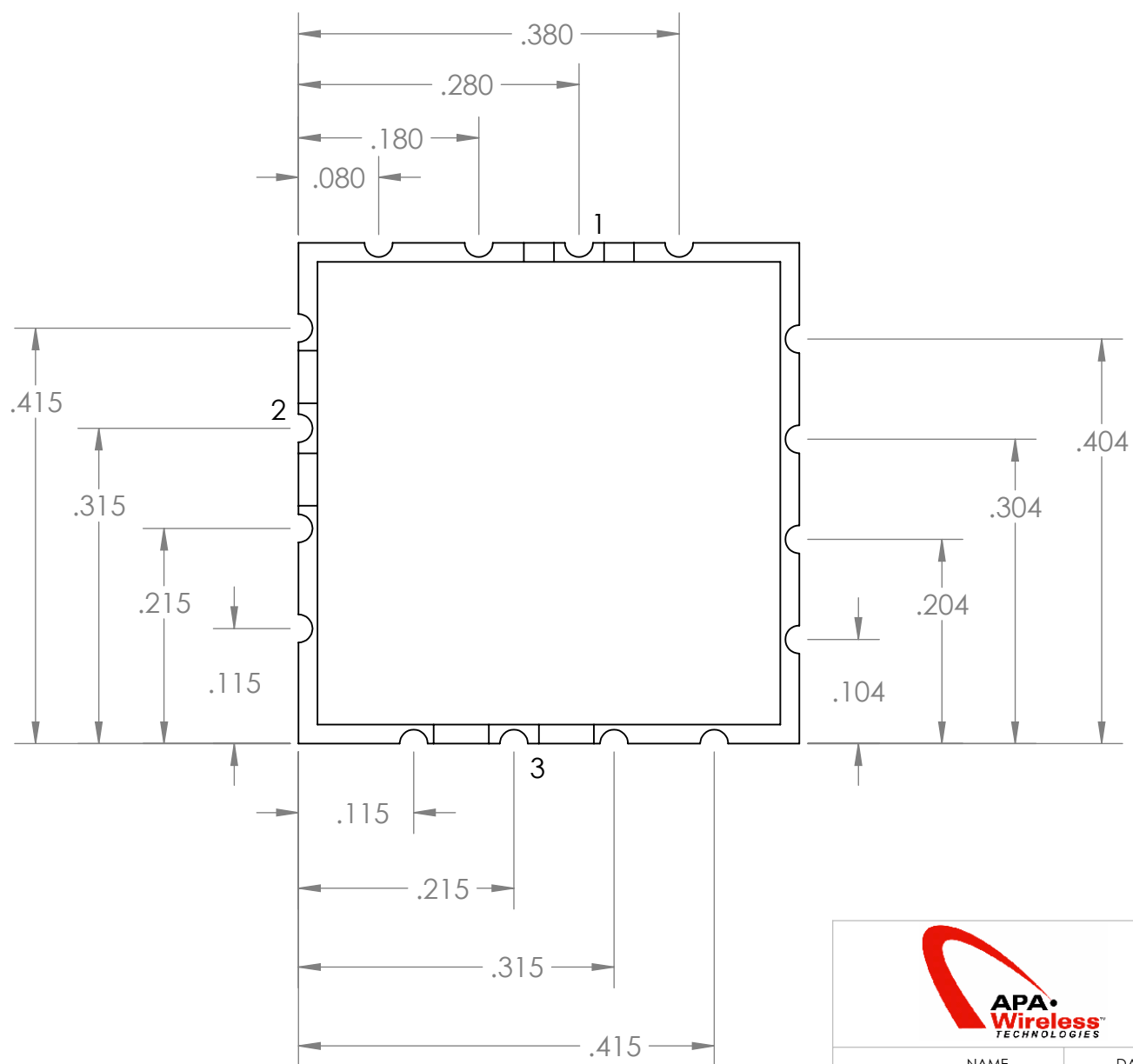
CONTACT ASSIGNMENTS	
1.	RF OUT
2.	VCC
3.	V-TUNE
ALL OTHER CONTACTS ARE GROUND	



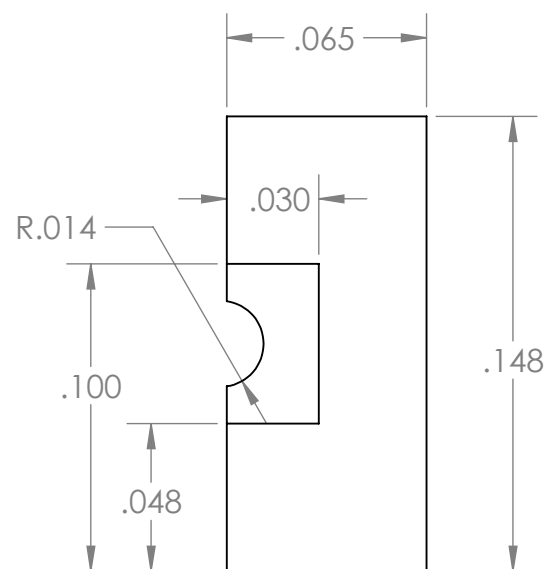
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

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



CONTACT DIMENSIONS



DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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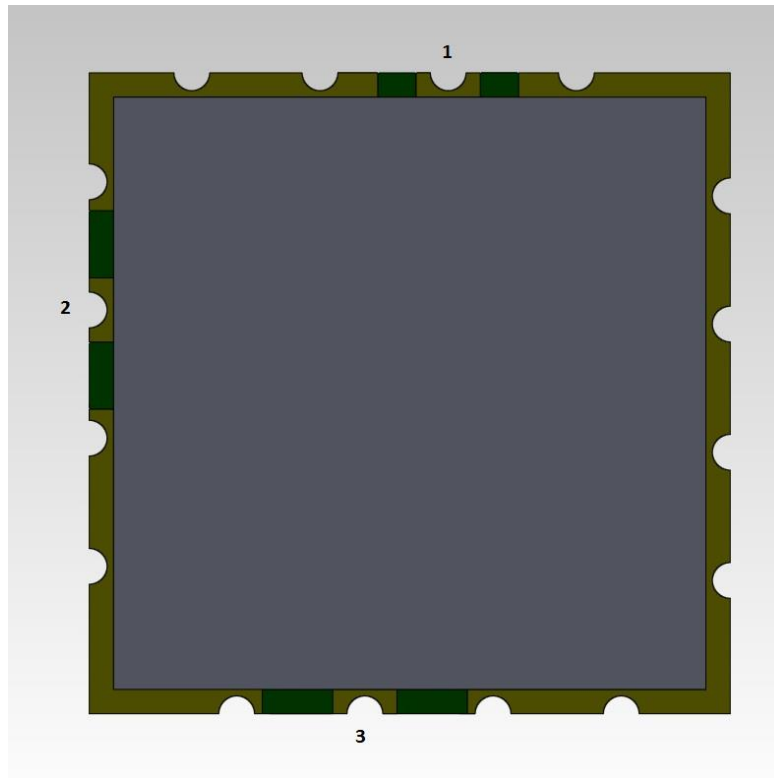
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TITLE:

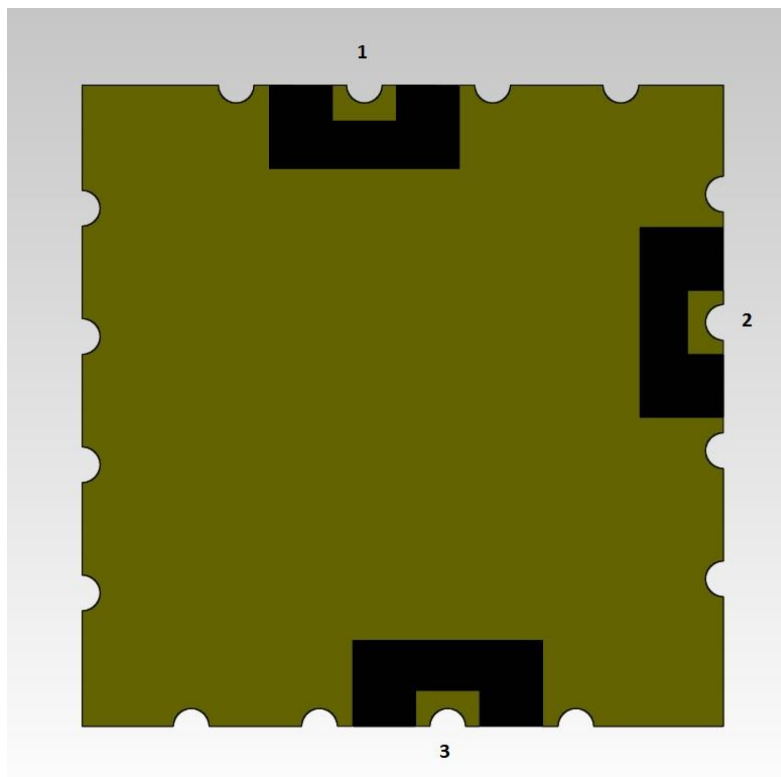
SMUA PACKAGE

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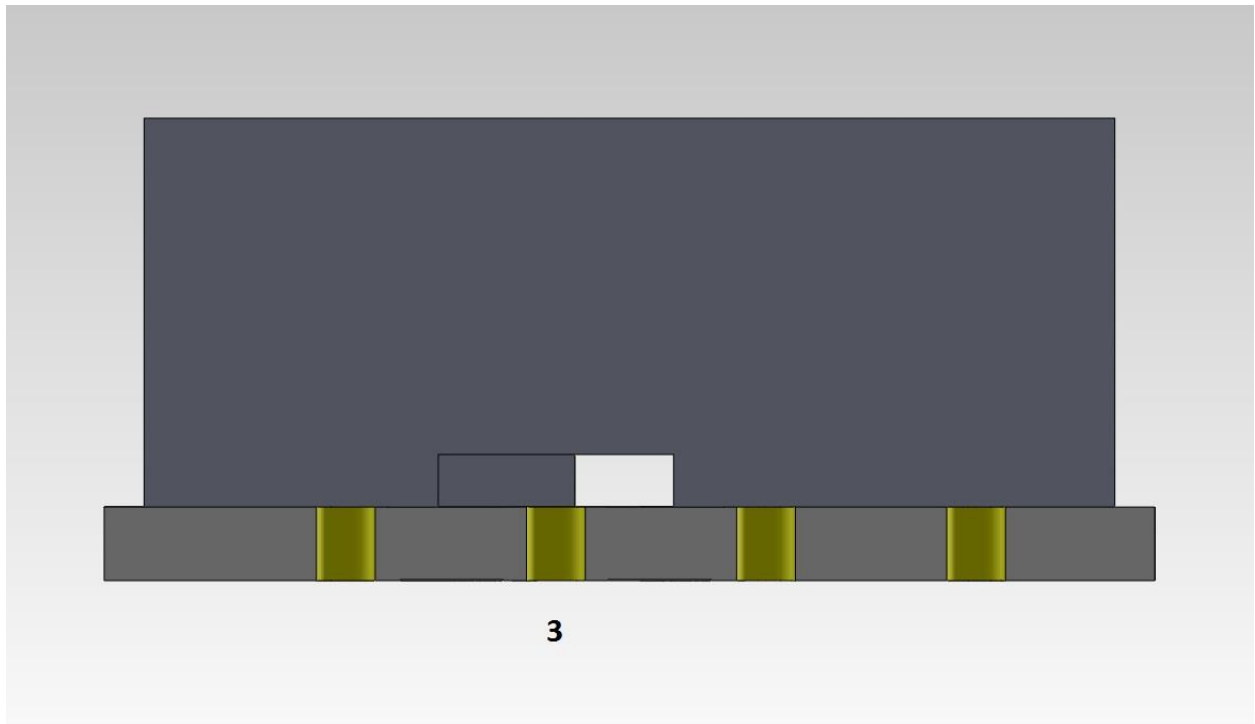
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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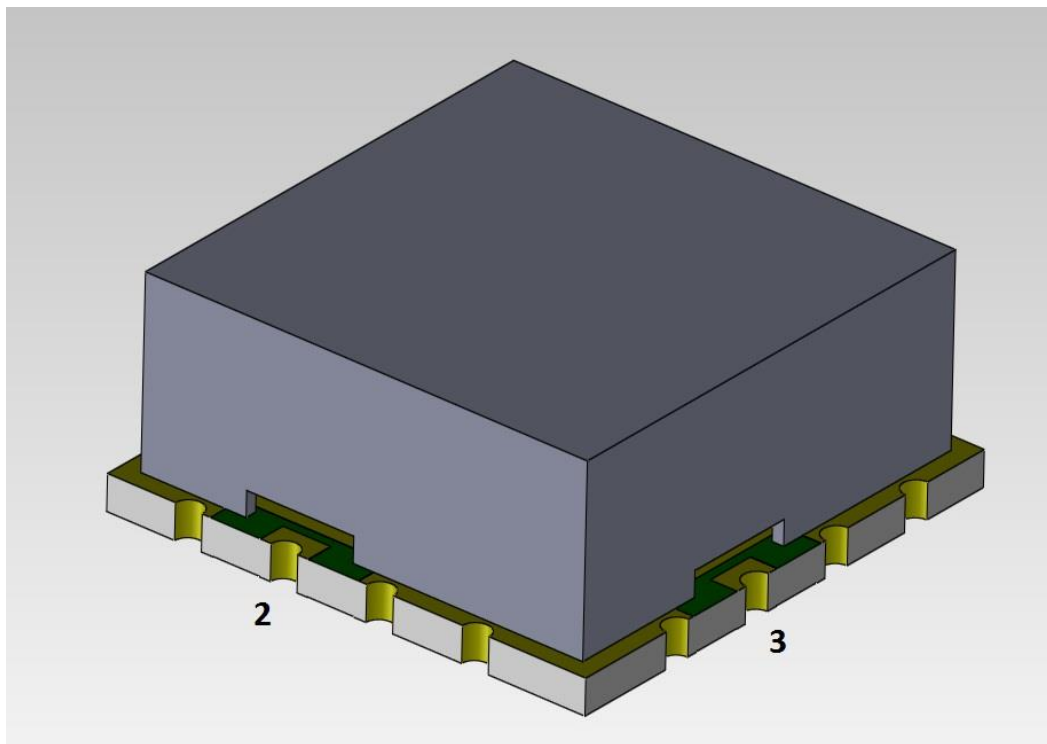
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW