



VCO R4550SMUA8CR

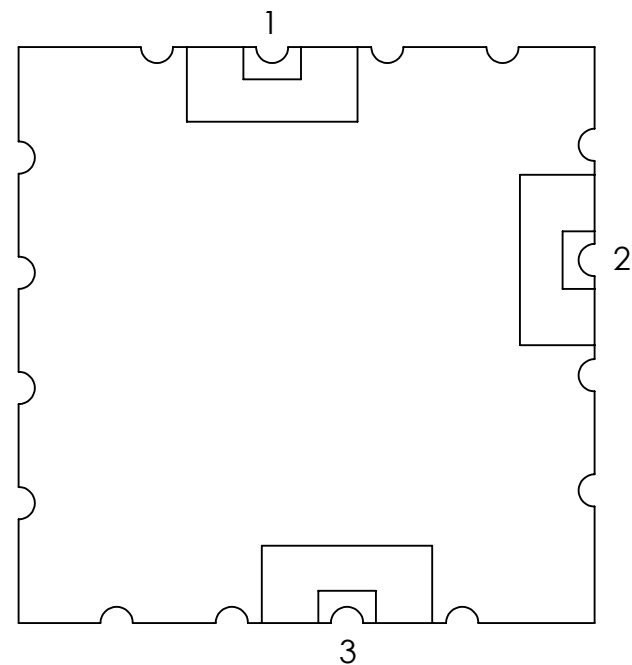
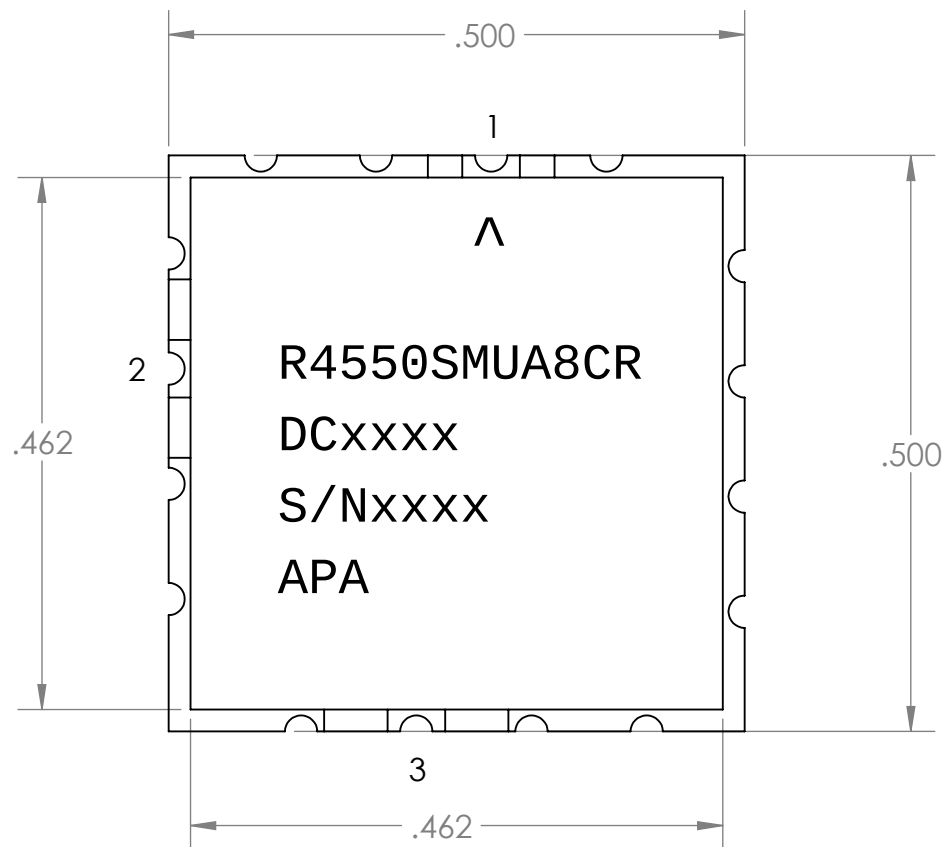
rev_0

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		4550		MHz	1	..	..
Tuning Voltage	1		10	V	1	..	..
Modulation Sensitivity	3	5	7	MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @							
1 KHz Offset			-80	dBc/Hz	1	..	..
10 KHz Offset			-108	dBc/Hz	1	..	..
100 KHz Offset			-128	dBc/Hz	1	..	..
1 MHz Offset			-148	dBc/Hz	1	..	..
Pushing		0.5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.5		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		22		pF	2	..	..
Harmonics		-20	-15	dBc	3	..	..
Vcc		8.0		V		..	..
Icc		32		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMAU			6,8	..	..
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
8. Solder mask on bottom of unit



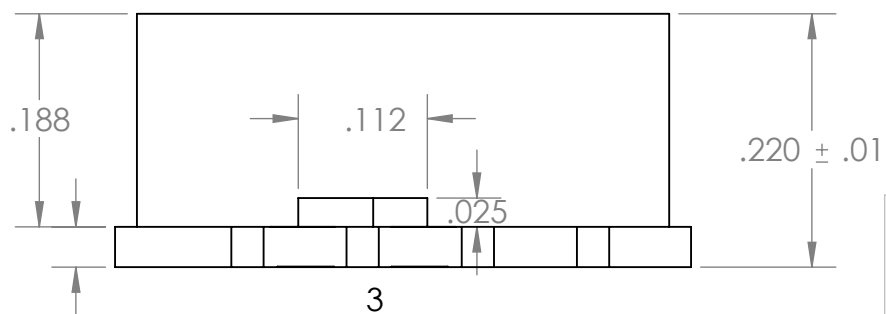
CONTACT ASSIGNMENTS

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.

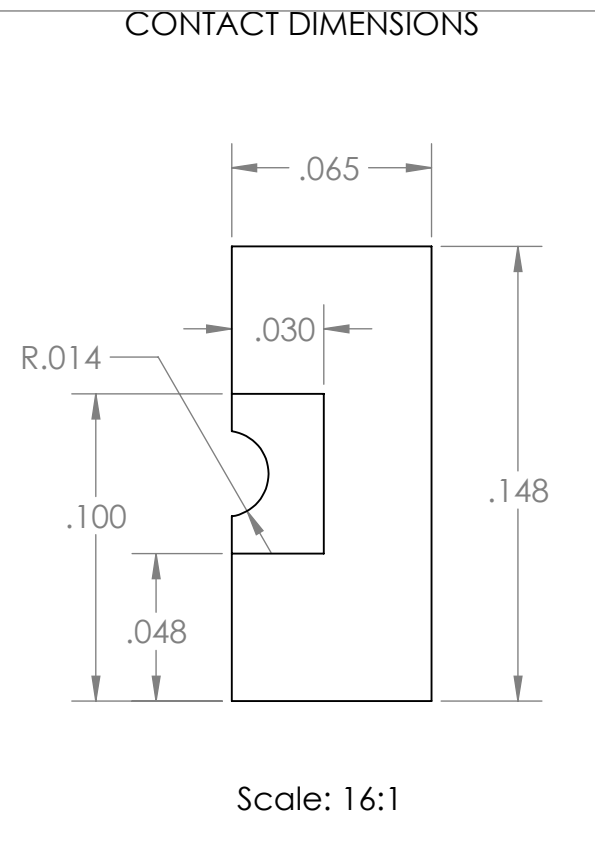
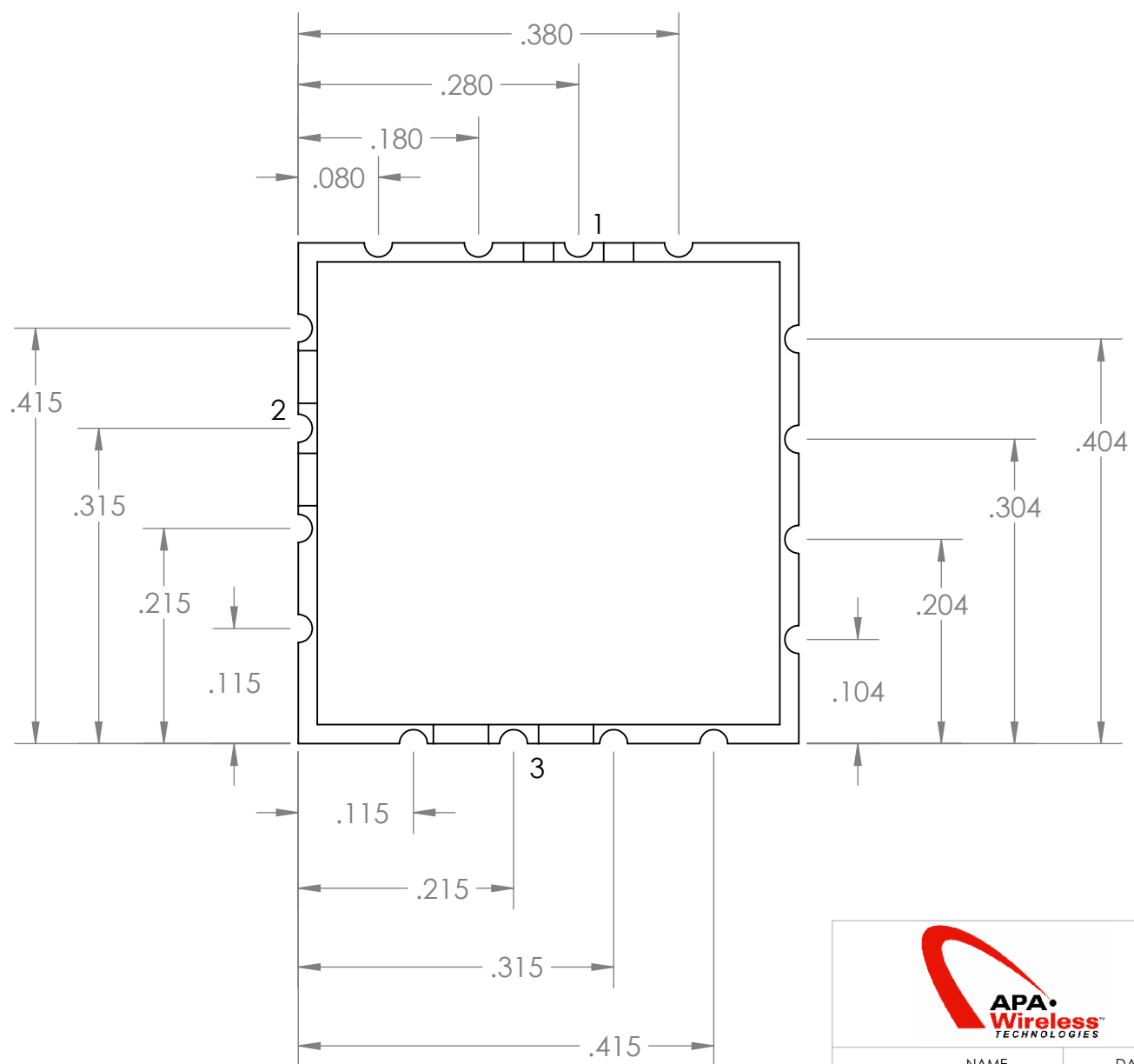
1

REV

SCALE: 6:1

unit: inch

SHEET 1 OF 2



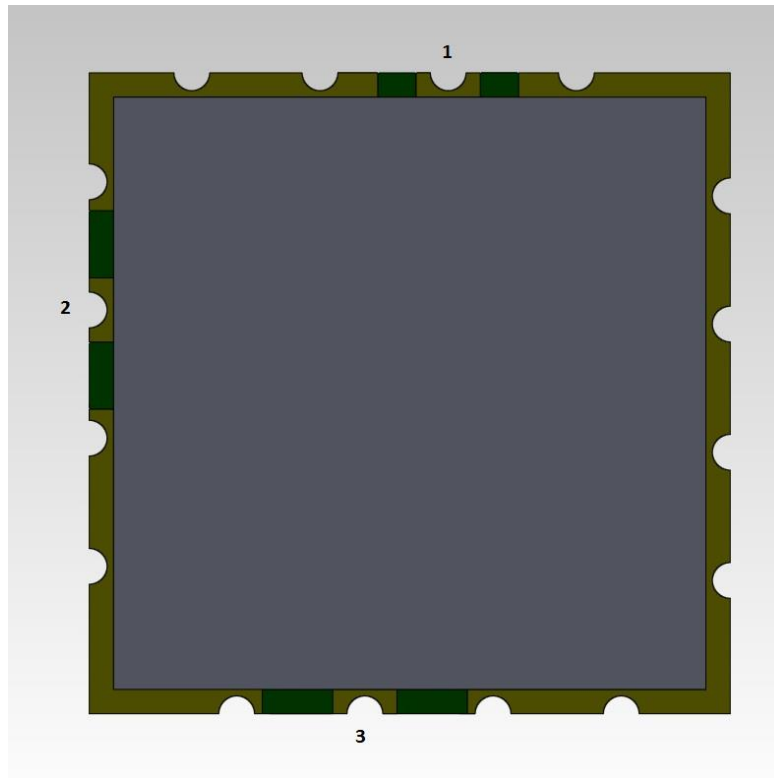
DRAWN	NAME Stefan Babulal	DATE 2/20/2017
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COMMENTS:
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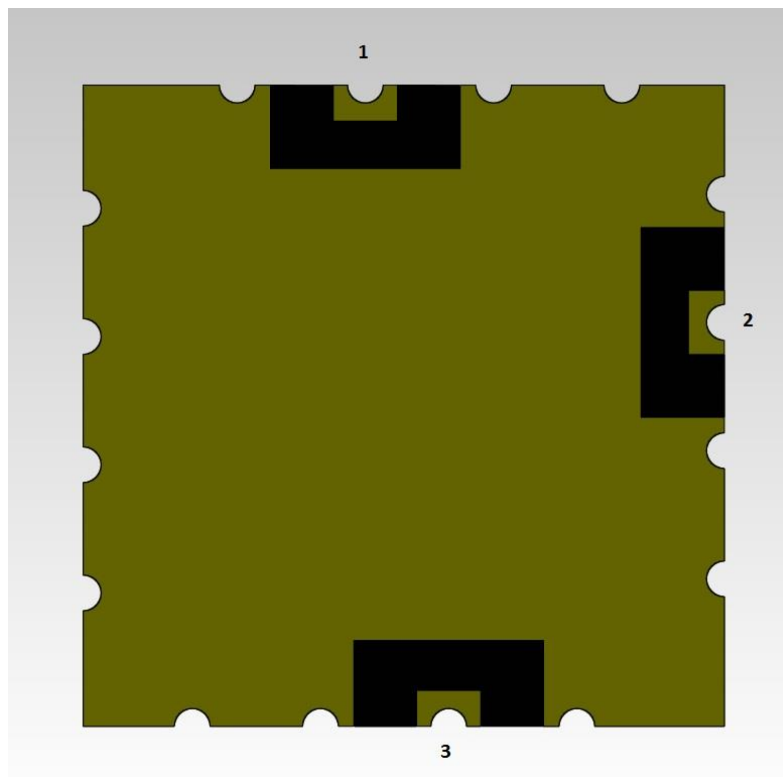
TITLE:
SMUA PACKAGE

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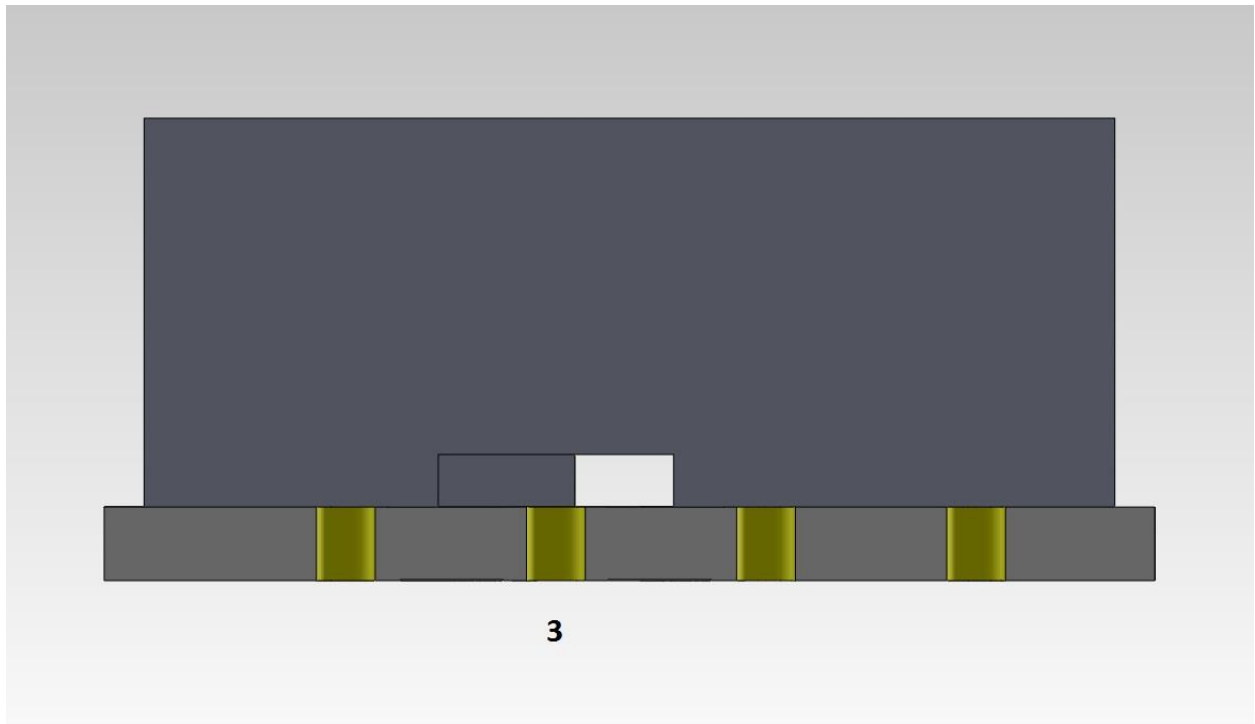
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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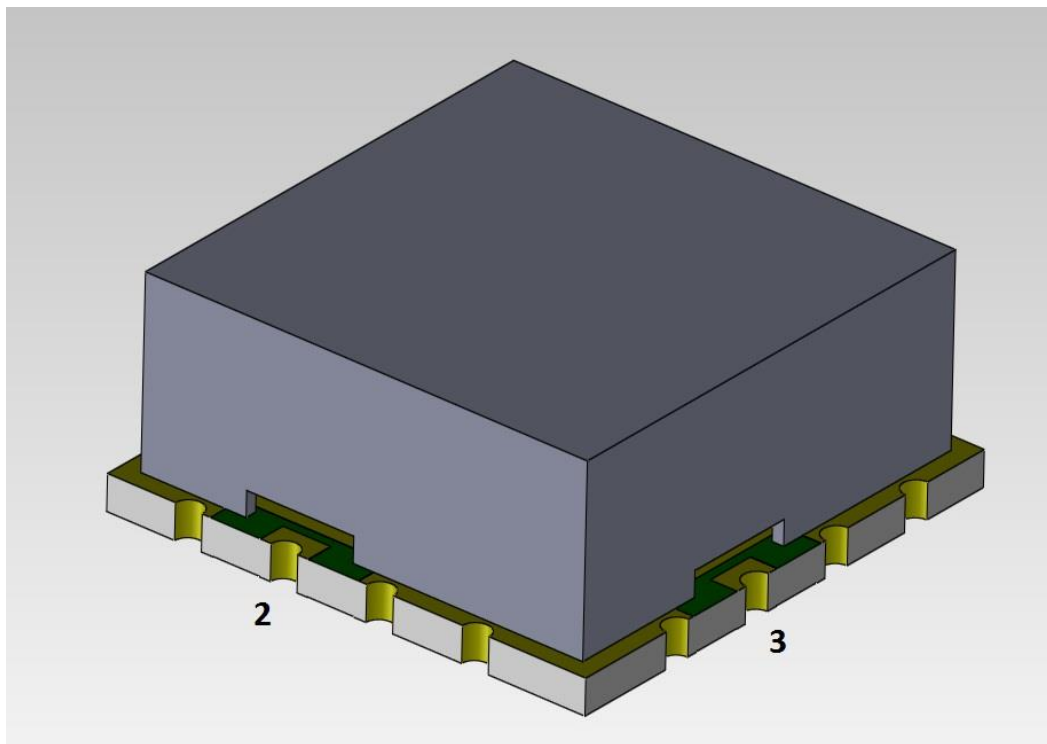
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW