



VCO 6000SMUA8CR

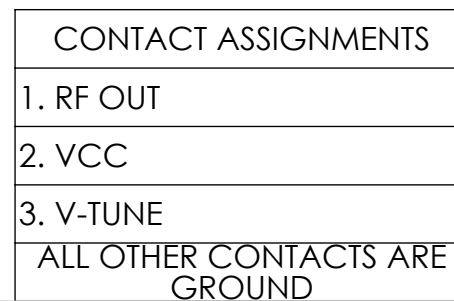
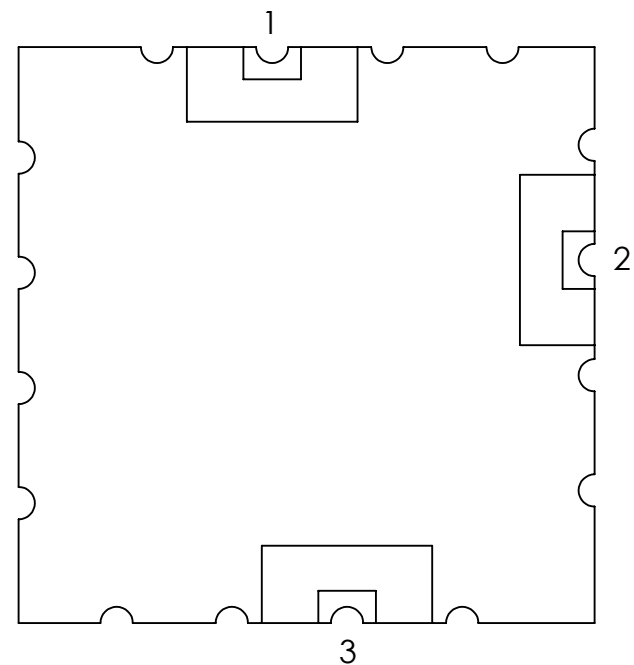
rev_0

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		6000		MHz	1	..	..
Tuning Voltage	0		10	V	1	..	..
Modulation Sensitivity		2		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	1.5	3.5	5.5	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-86	-81	dBc/Hz	1	..	..
10 KHz Offset		-111	-106	dBc/Hz	1	..	..
100 KHz Offset		-131	-126	dBc/Hz	1	..	..
1 MHz Offset		-151	-146	dBc/Hz	1	..	..
10 MHz Offset		-167	-162	dBc/Hz	1	..	..
Pushing		3		MHz/V	3	..	..
Pulling (12dB RL, any phase)		1		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		33		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		8.0		V		..	..
Icc		40		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. Design goal subject to change



TITLE:

SMUA PACKAGE

DATE
2/20/2017

COMMENTS:
All dimensions are in inches.
Tolerances ± 0.005 unless otherwise noted

SIZE
A

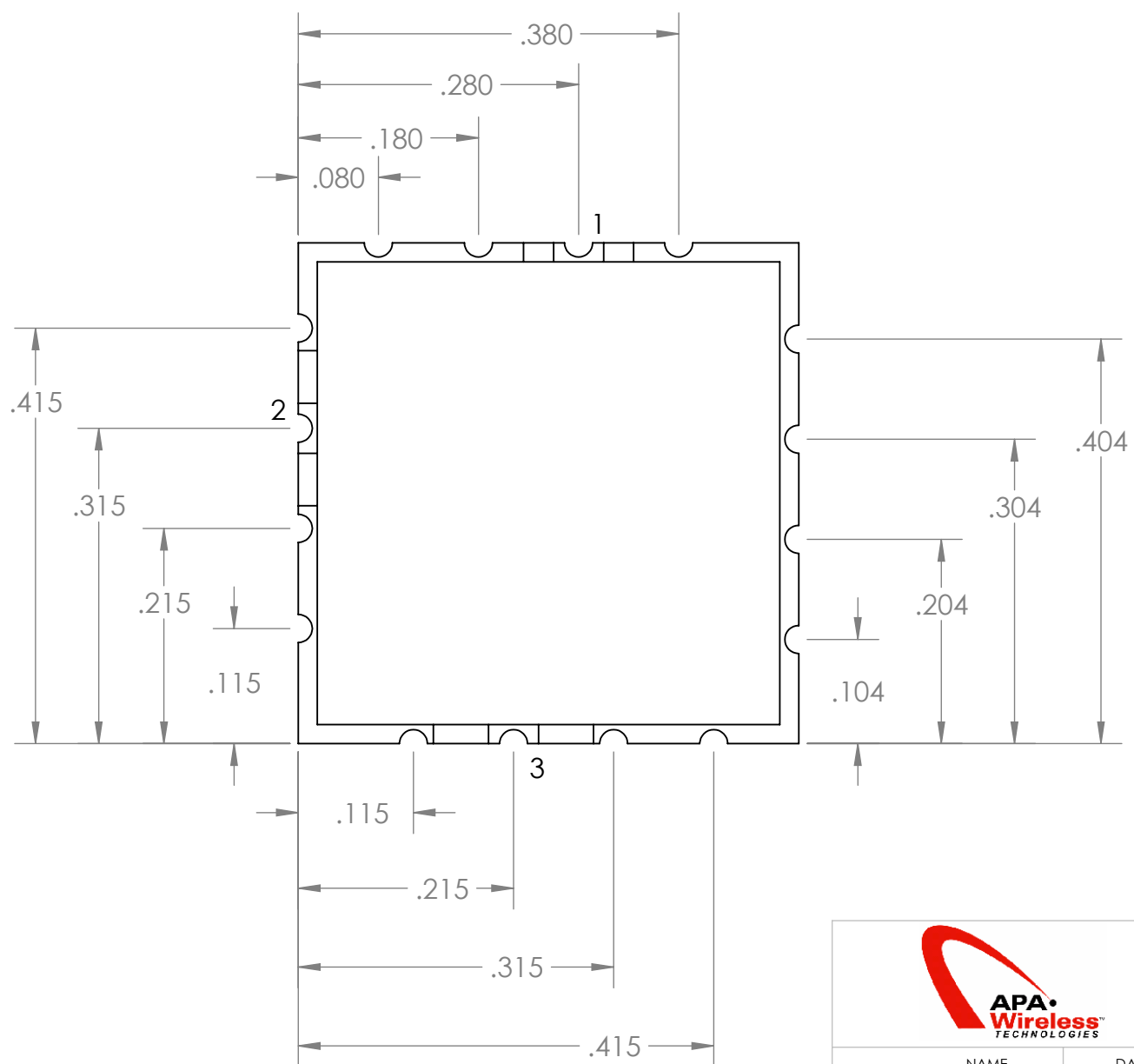
DWG. NO.	
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REV

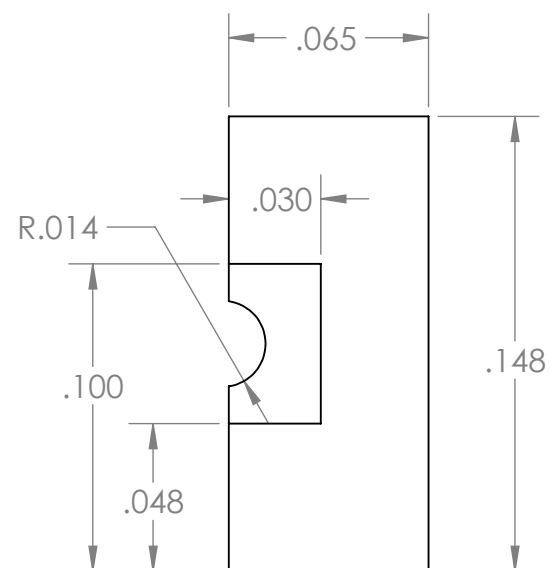
SCALE: 6:1

unit: inch

SHEET 1 OF 2



CONTACT DIMENSIONS



Scale: 16:1



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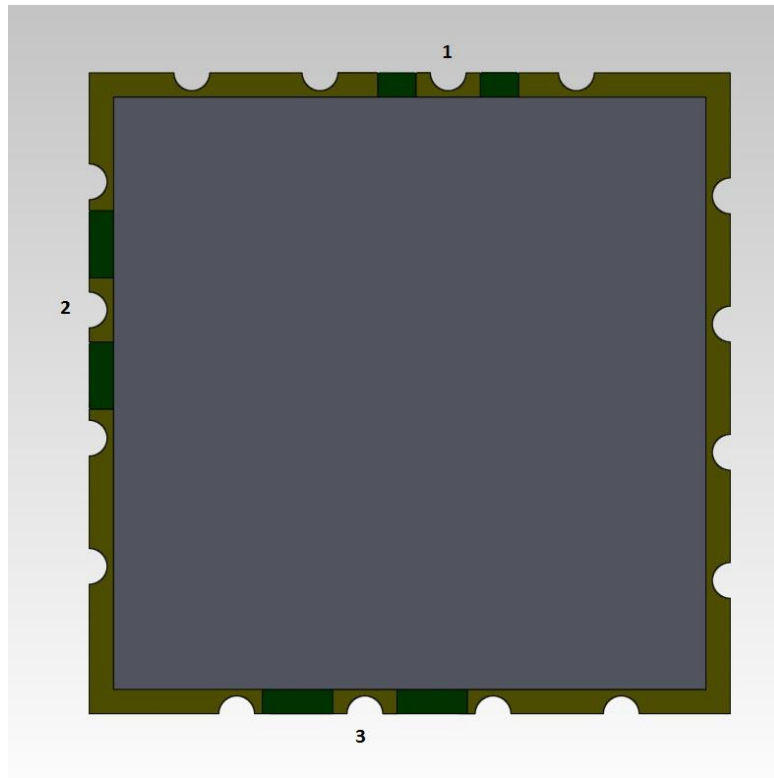
COMMENTS:
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TITLE:

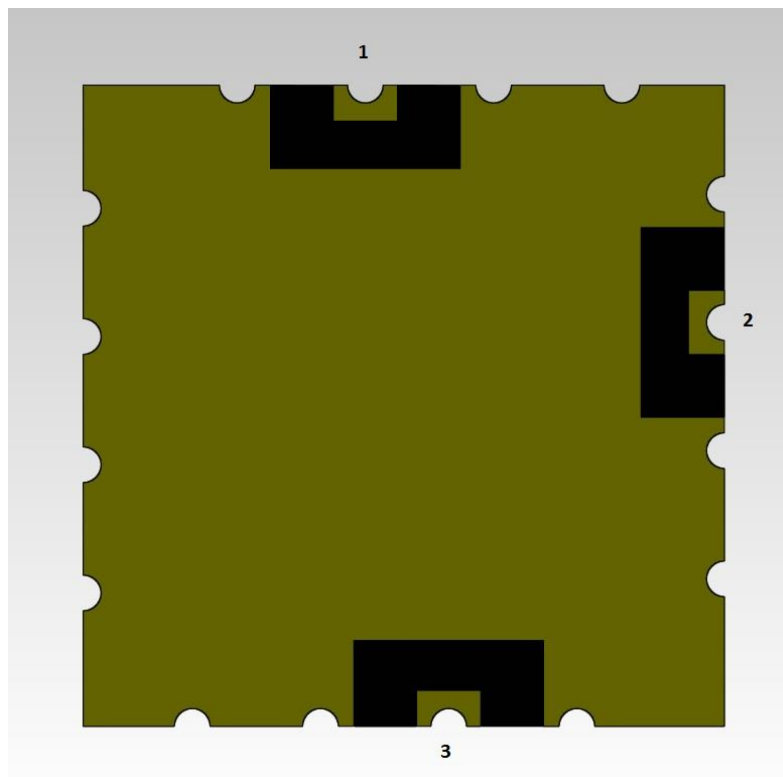
SMUA PACKAGE

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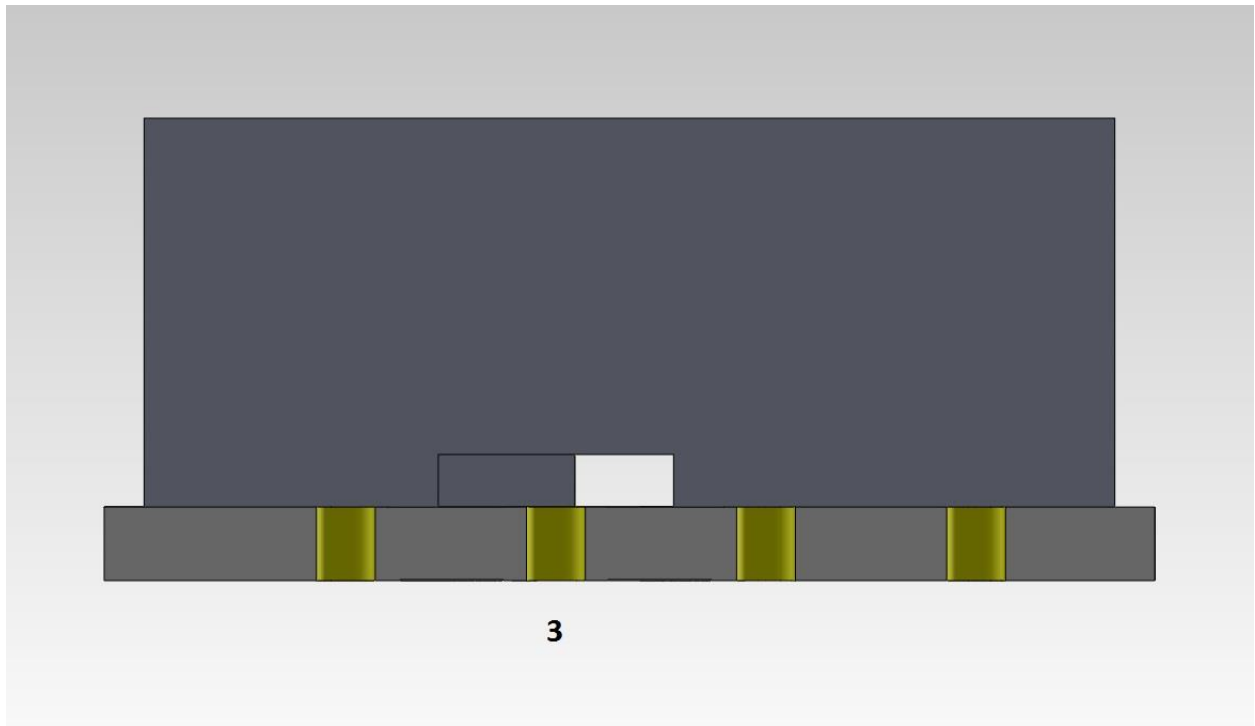
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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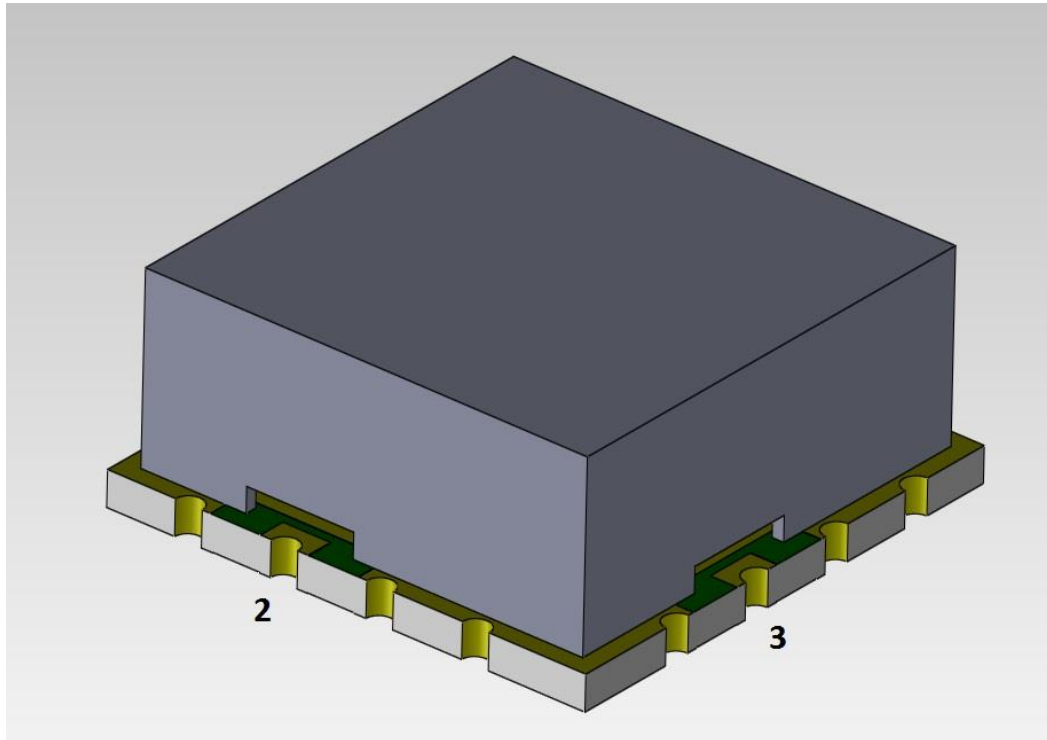
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW