



VCO R199205SMUA10CR

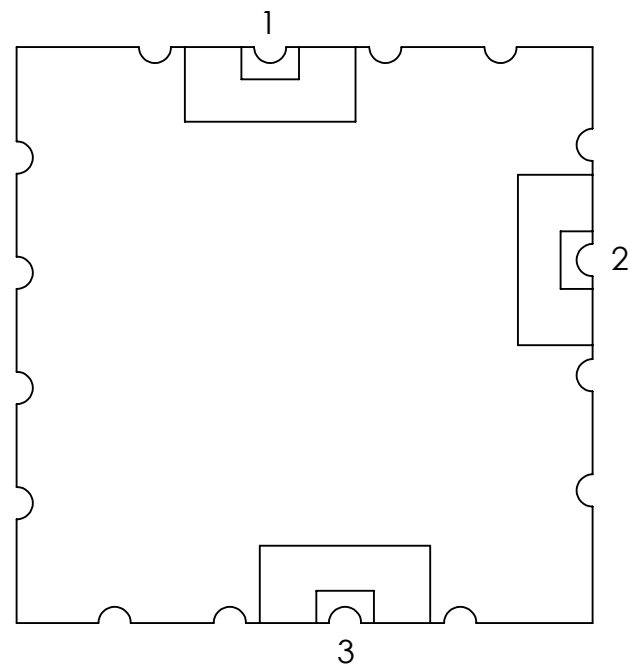
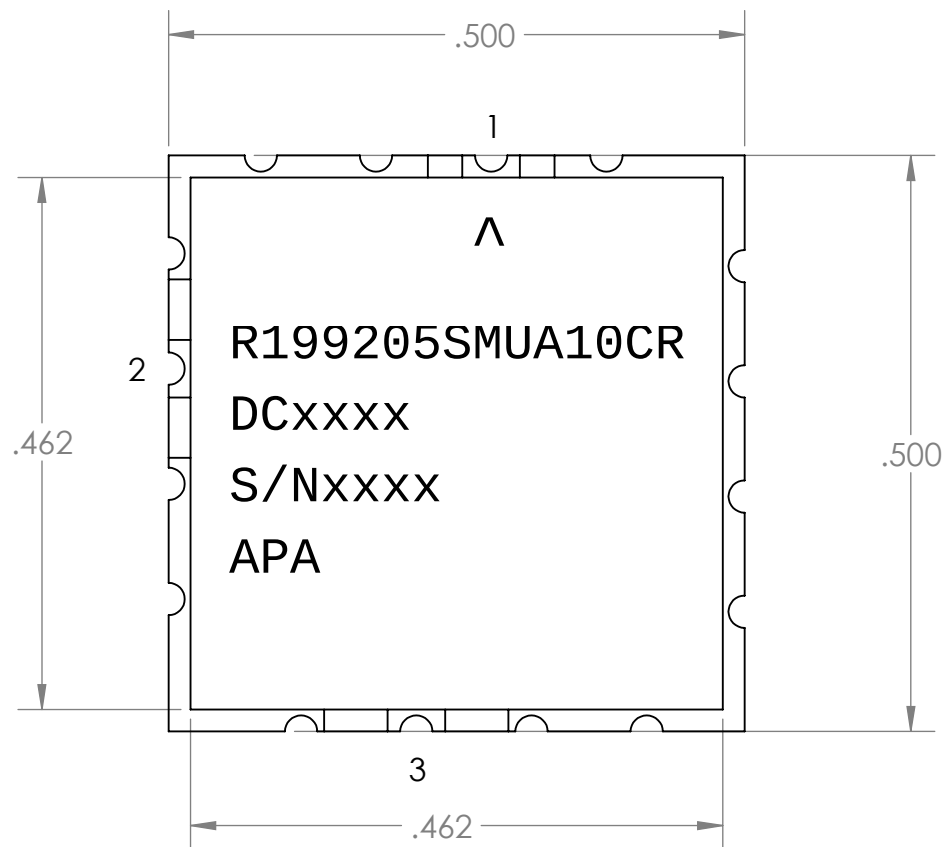
rev_0

initial rev

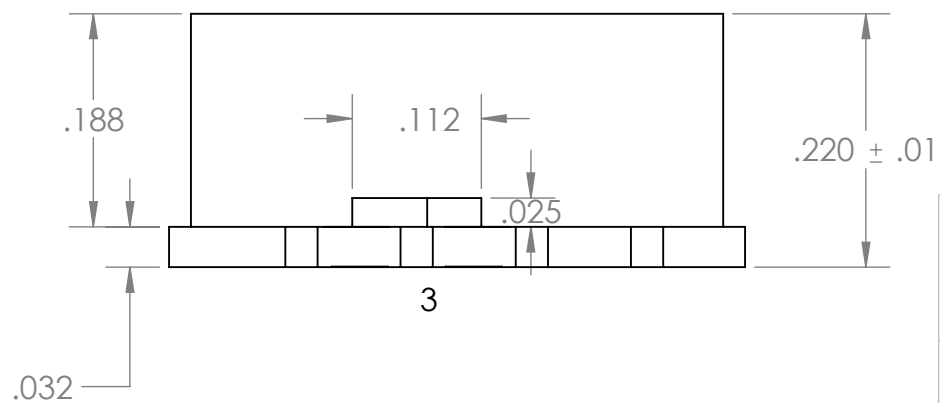
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	1990		2050	MHz	1	..	..
Tuning Voltage	1		9	V	1	..	..
Modulation Sensitivity		13.0		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	3	5	7	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-88	-83	dBc/Hz	1	..	..
10 KHz Offset		-117	-112	dBc/Hz	1	..	..
100 KHz Offset		-137	-132	dBc/Hz	1	..	..
1 MHz Offset		-157	-152	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		0.1	0.5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.2	0.5	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		94		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		10.0		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

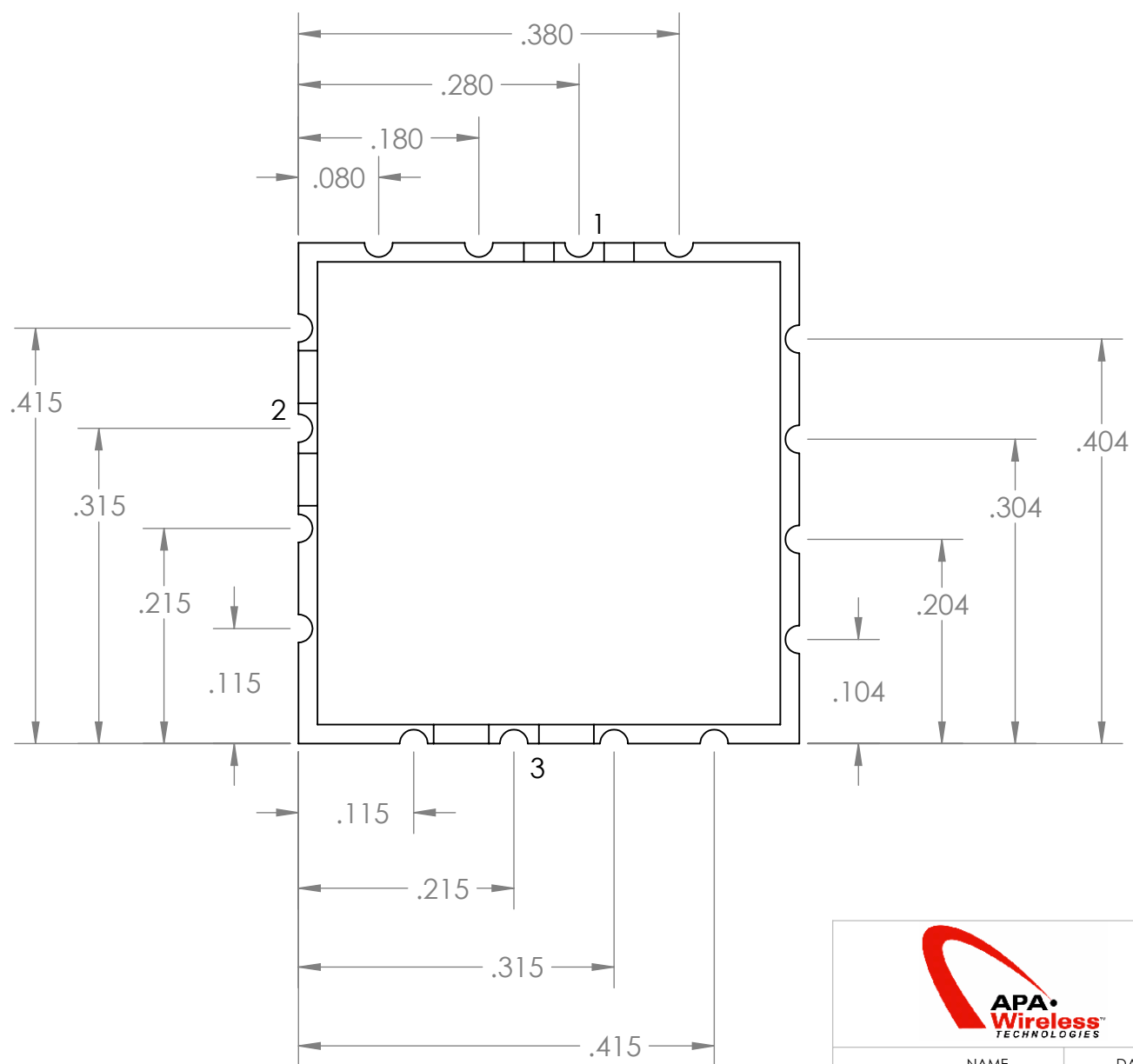


CONTACT ASSIGNMENTS	
1.	RF OUT
2.	VCC
3.	V-TUNE
ALL OTHER CONTACTS ARE GROUND	

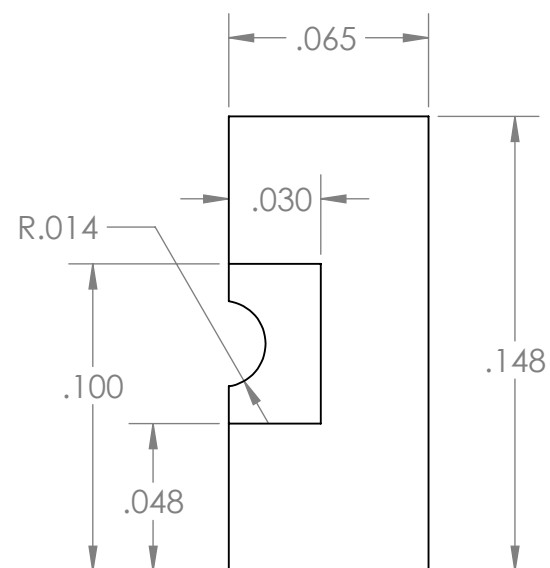


DRAWN	NAME	DATE
	Stefan Babulal	2/20/2017
COMMENTS:		
All dimensions are in inches.		
Tolerances ± 0.005 unless otherwise noted		

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

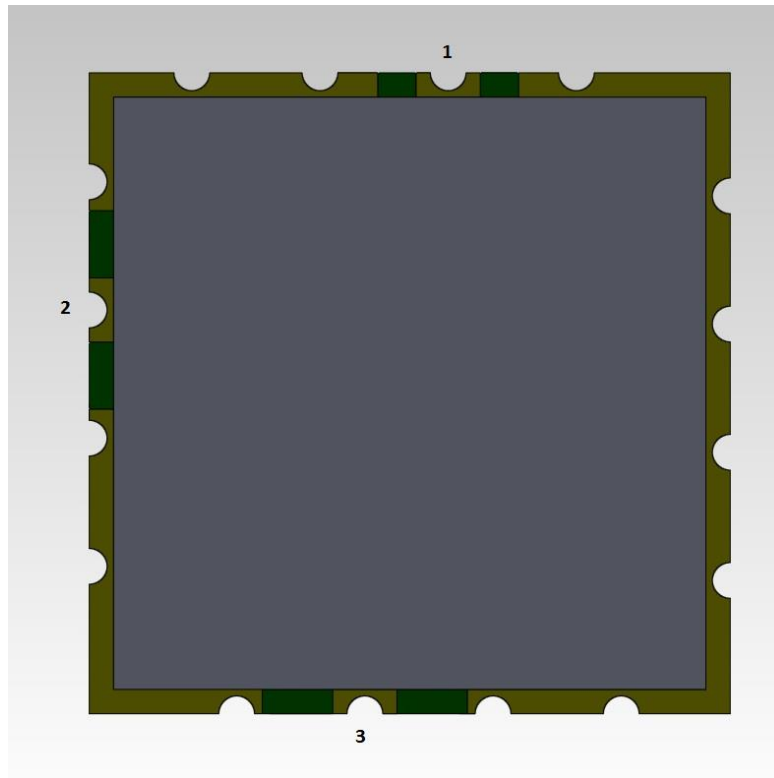
COMMENTS:
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TITLE:

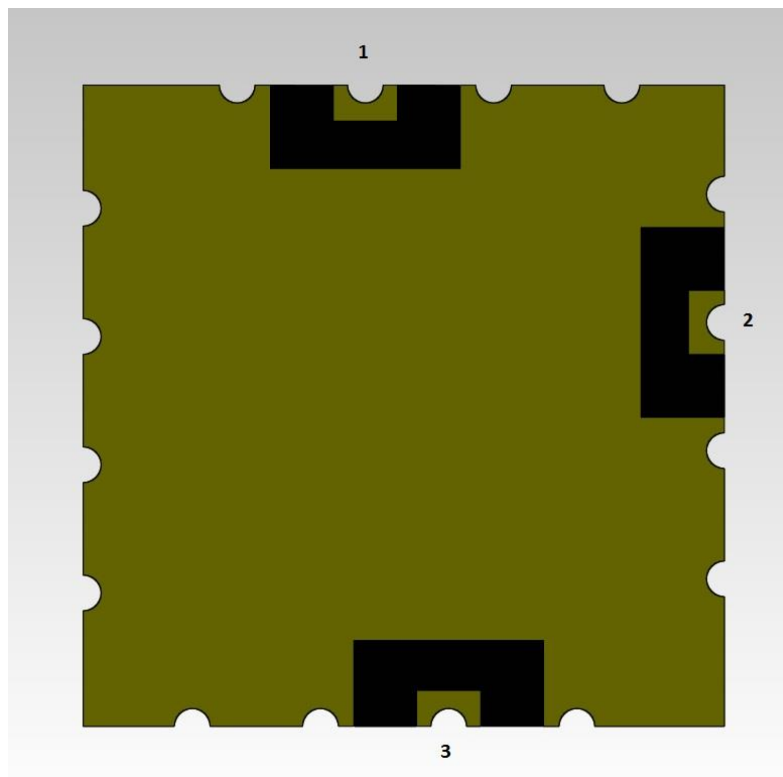
SMUA PACKAGE

SIZE	DWG. NO.	REV
A	1	

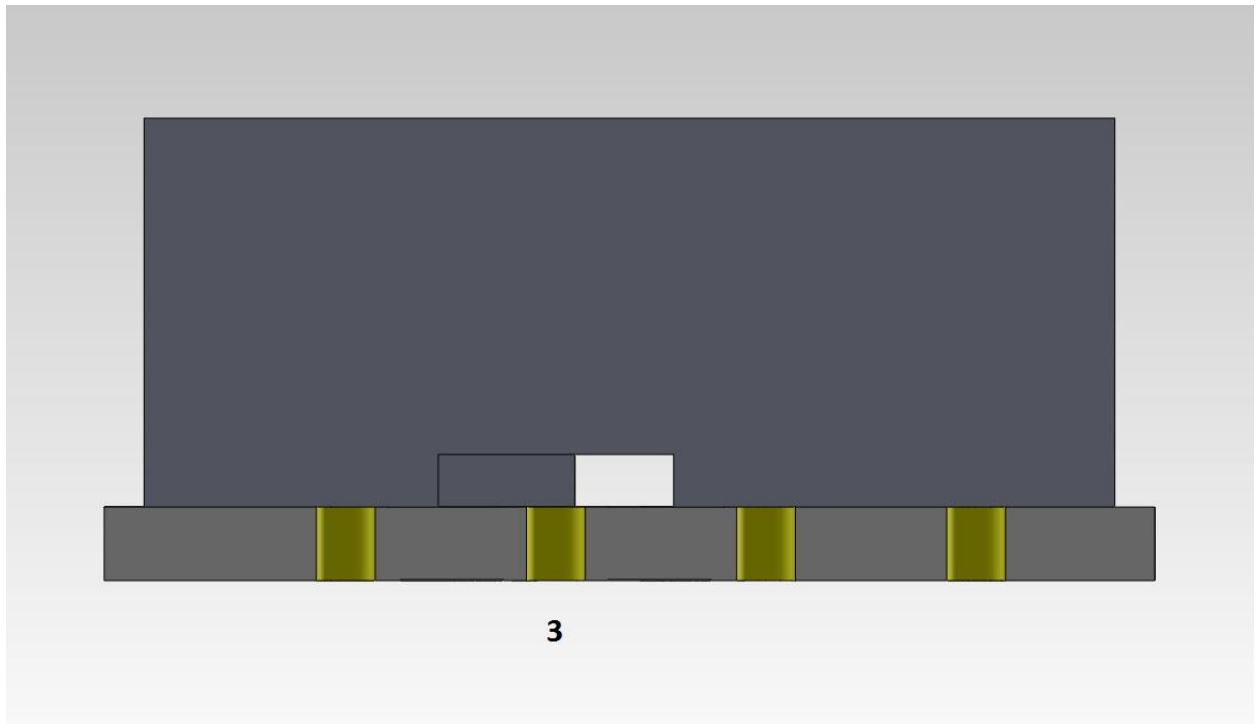
SCALE: 6:1	unit: inch	SHEET 2 OF 2
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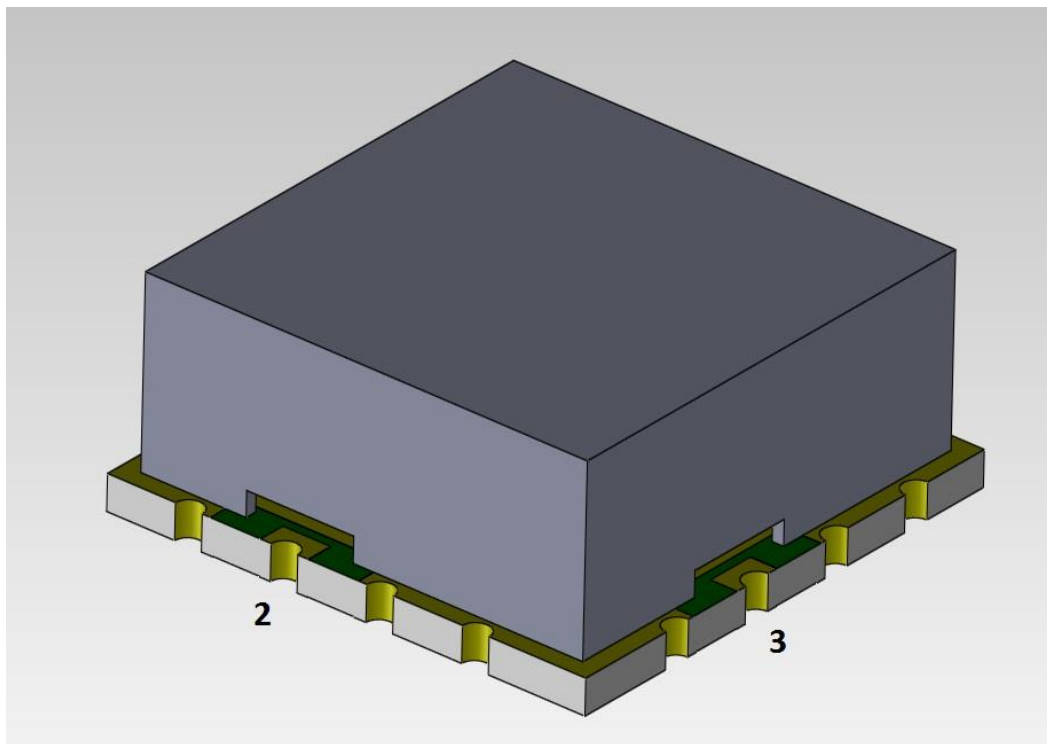
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW