



R399400SMUA5CR

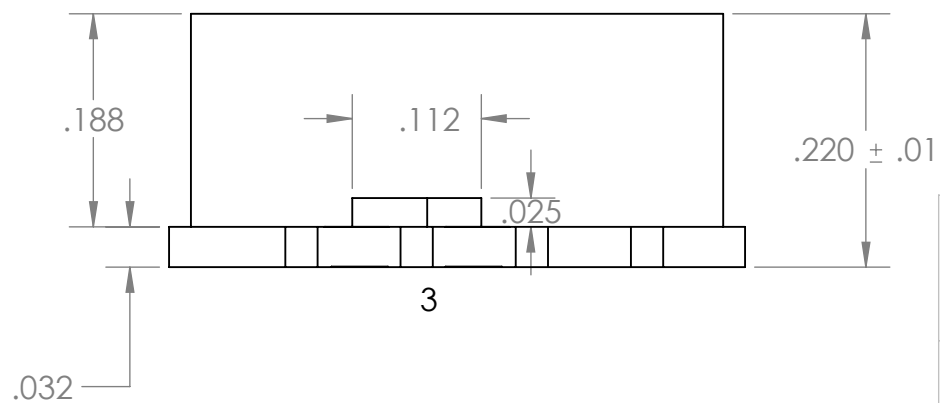
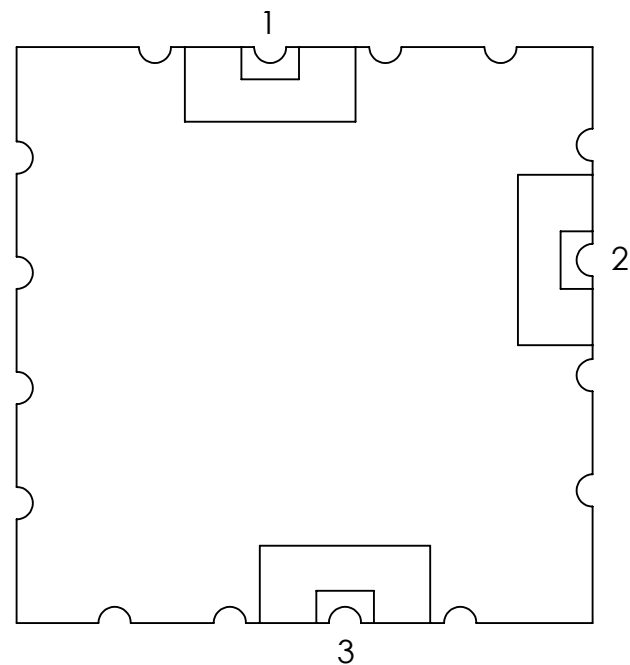
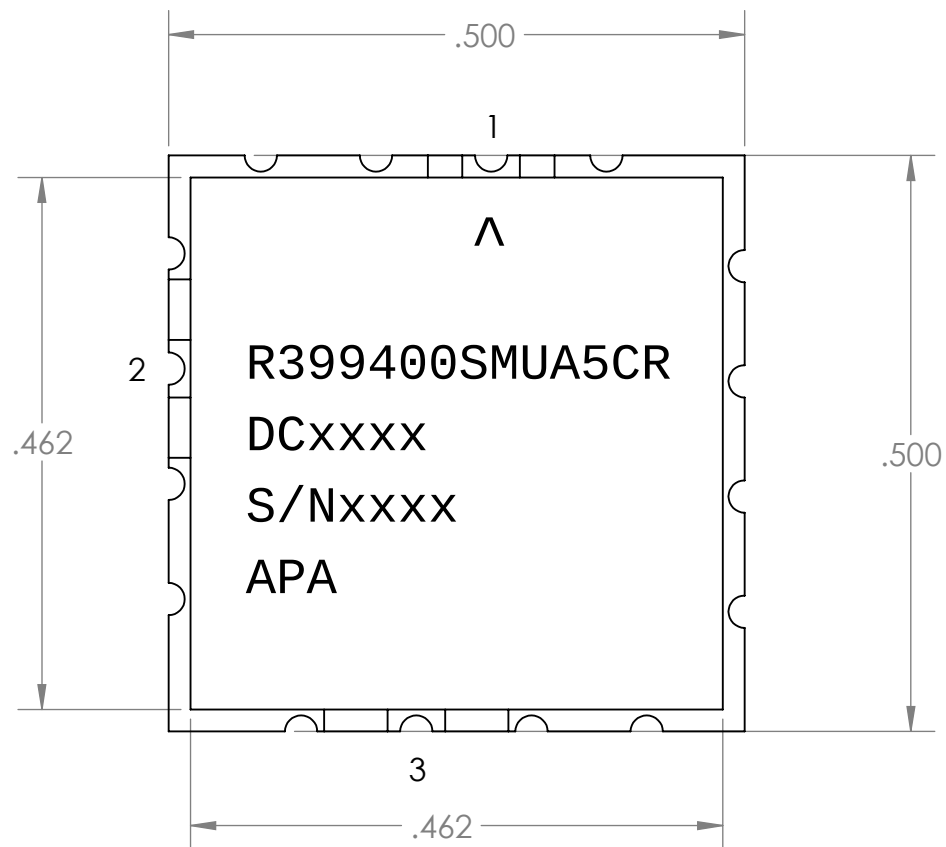
rev_0

initial rev

						Production	First Article
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Test</u>	<u>Test</u>
Frequency Range	3995		4000	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		TBD		MHz/V	10	..	..
Operates with Vtune = 0V					1	..	..
Output Power	2	4	6	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-86	-83	dBc/Hz	1	..	..
10 KHz Offset		-114	-111	dBc/Hz	1	..	..
100 KHz Offset		-134	-131	dBc/Hz	1	..	..
1 MHz Offset		-154	-151	dBc/Hz	1	..	..
10 MHz Offset		-162	-159	dBc/Hz	1	..	..
Pushing		0.4	0.7	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.3		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-12		dBc	3	..	..
Vcc	4.75	5.00	5.25	V		..	..
Icc		30		mA	1,10	..	..
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. 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	

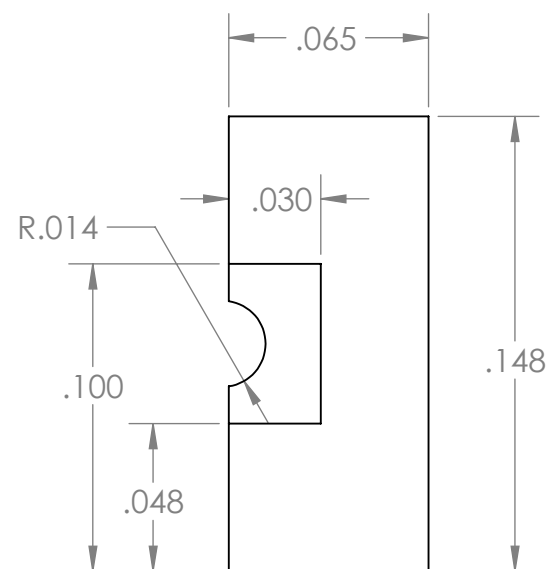


DRAWN	NAME Stefan Babulal	DATE 2/20/2017
COMMENTS: All dimensions are in inches. Tolerances ± 0.005 unless otherwise noted		

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



CONTACT DIMENSIONS



Scale: 16:1



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

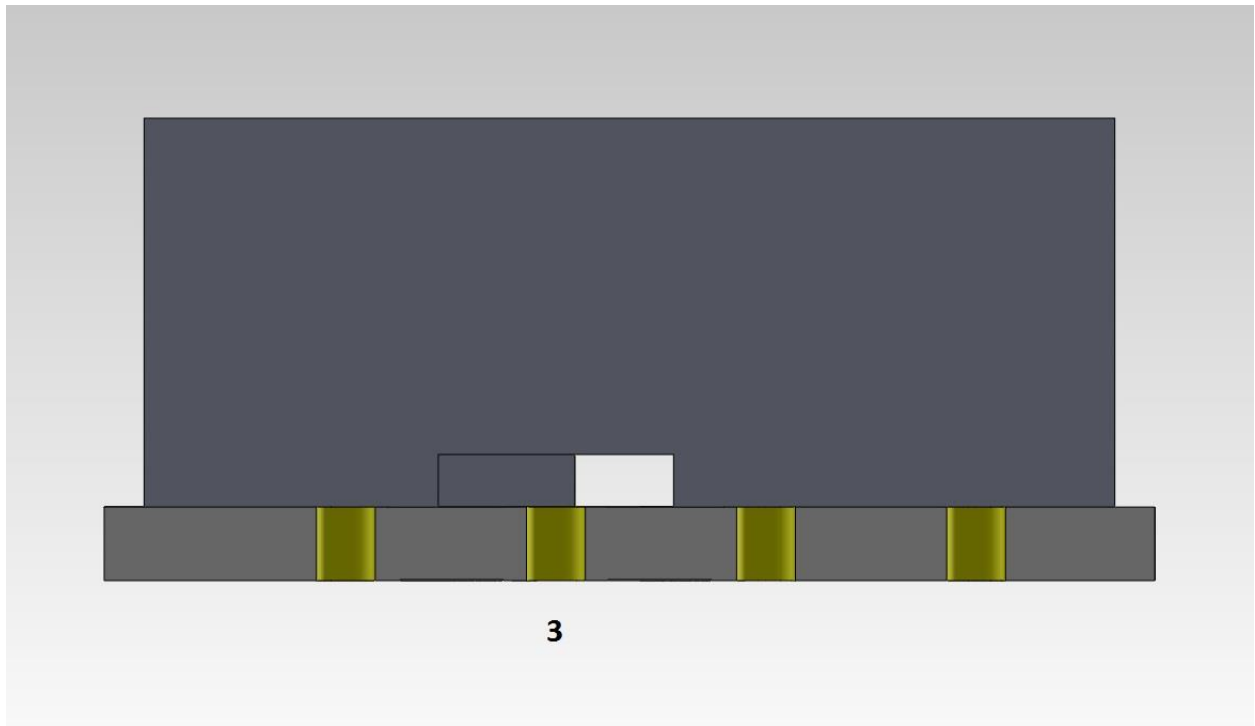
SHEET 2 OF 2



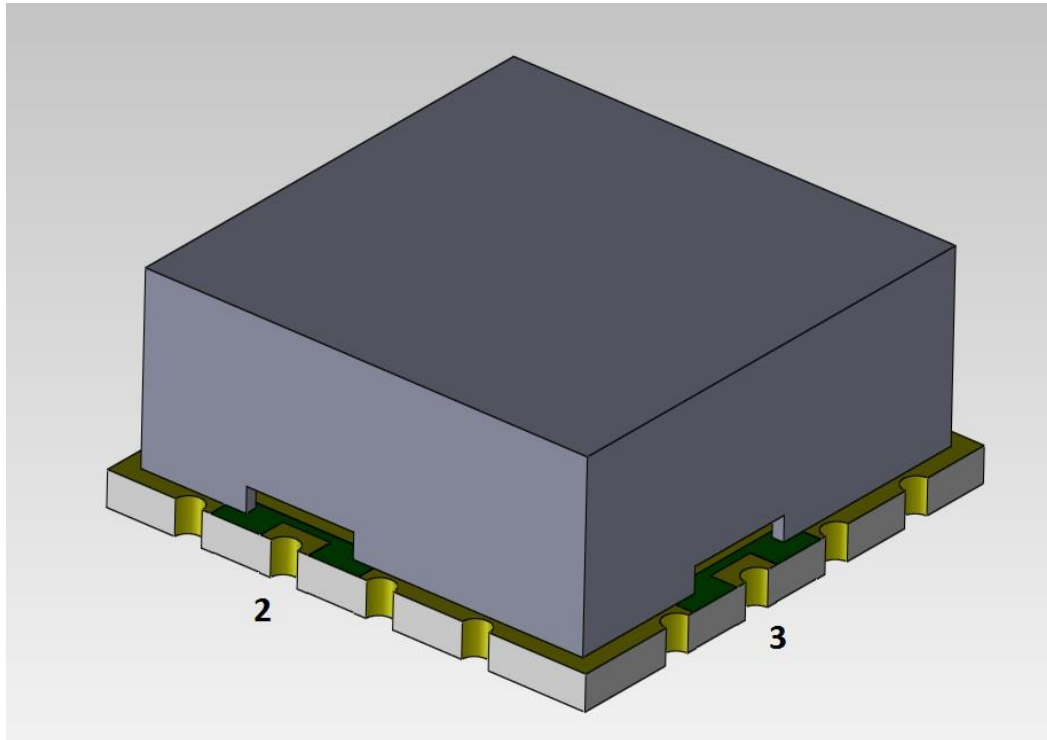
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW