



VCO R060066SMUA5_MOD_156

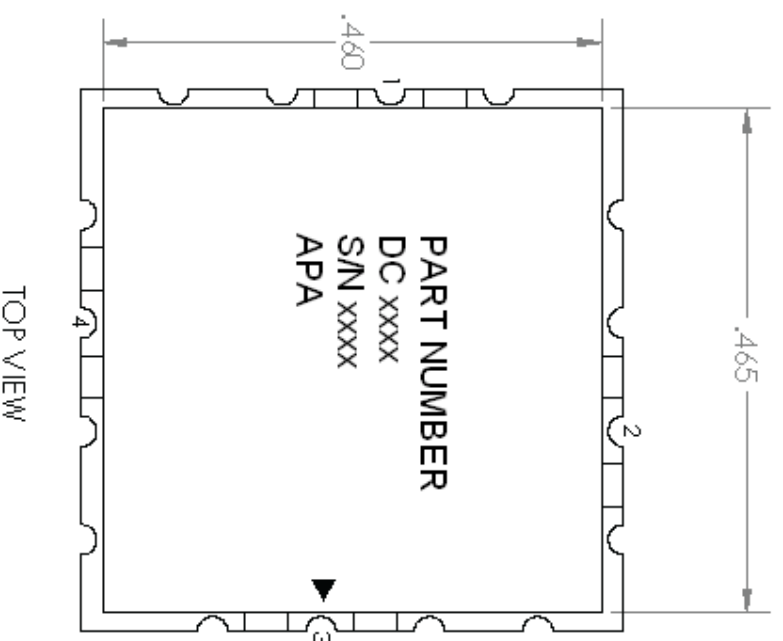
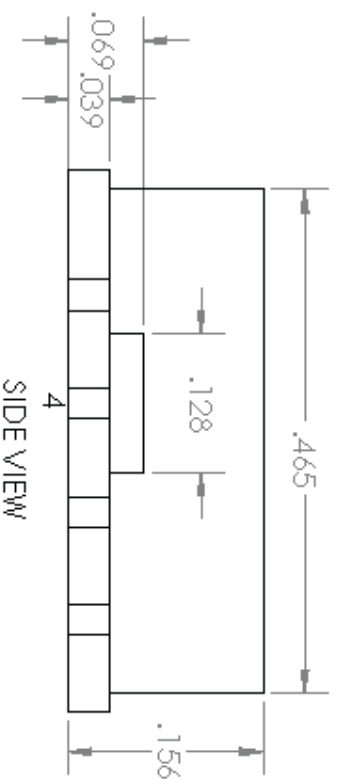
rev_0

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	600		660	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity	15	22	30	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-2	1	4	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-85	-79	dBc/Hz	1	..	..
10 KHz Offset		-110	-104	dBc/Hz	1	..	..
100 KHz Offset		-132	-126	dBc/Hz	1	..	..
1 MHz Offset		-152	-146	dBc/Hz	1	..	..
10 MHz Offset		-165	-159	dBc/Hz	1	..	..
Pushing		1	2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	..	..
Tuning Port Capacitance		68		pF	2	..	..
2nd Harmonic		-13	-8	dBc	3	..	..
3rd Harmonic		-20	-10	dBc	3	..	..
Vcc	4.75	5.00	5.25	V		..	..
Icc		15	20	mA	1	..	..
Operating Temperature	-35		+85	C	3	..	..
Package		SMUA_MOD			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.156		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

[illegible]

TOP VIEW

CONTACT ASSIGNMENTS
1. V-tune
2. VCC
3. RF out
4. Modulation

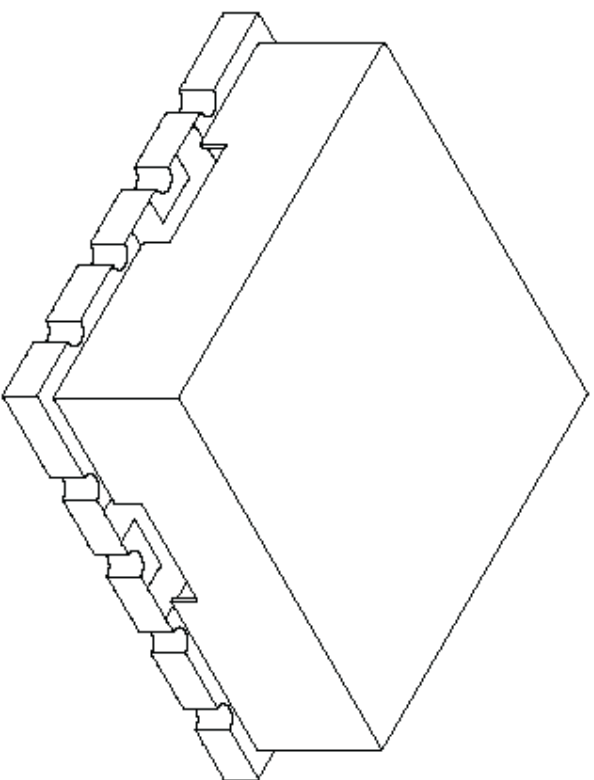
MOD_156 PACKAGE



NAME	DATE
Glenn Epps	07/07/2017

COMMENTS:
Unless otherwise specified all dimensions are in inches.

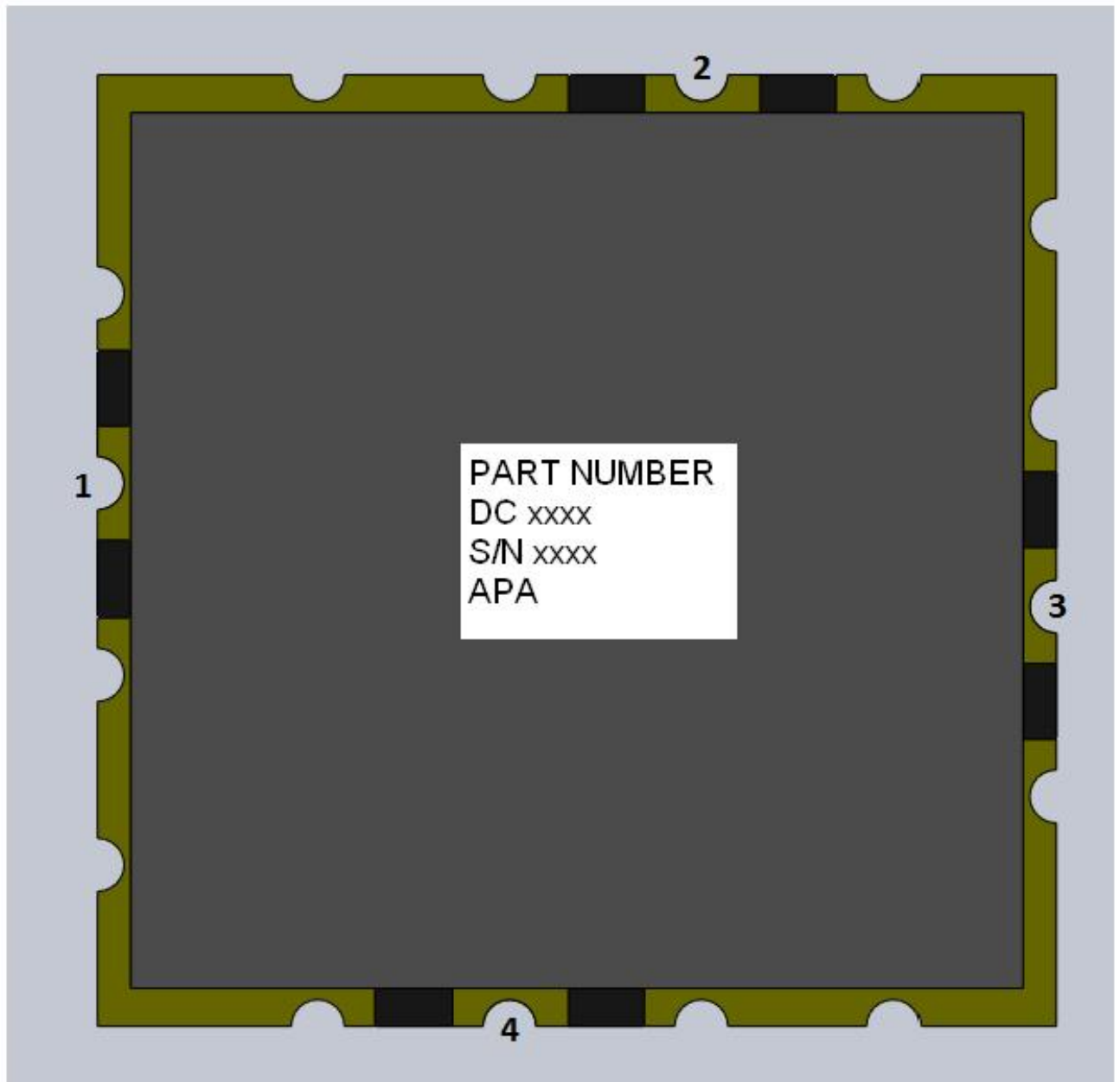
SIZE	DWG. NO.	REV
A	1	
SCALE: 6:1	unit: inch	SHEET 1 OF 2



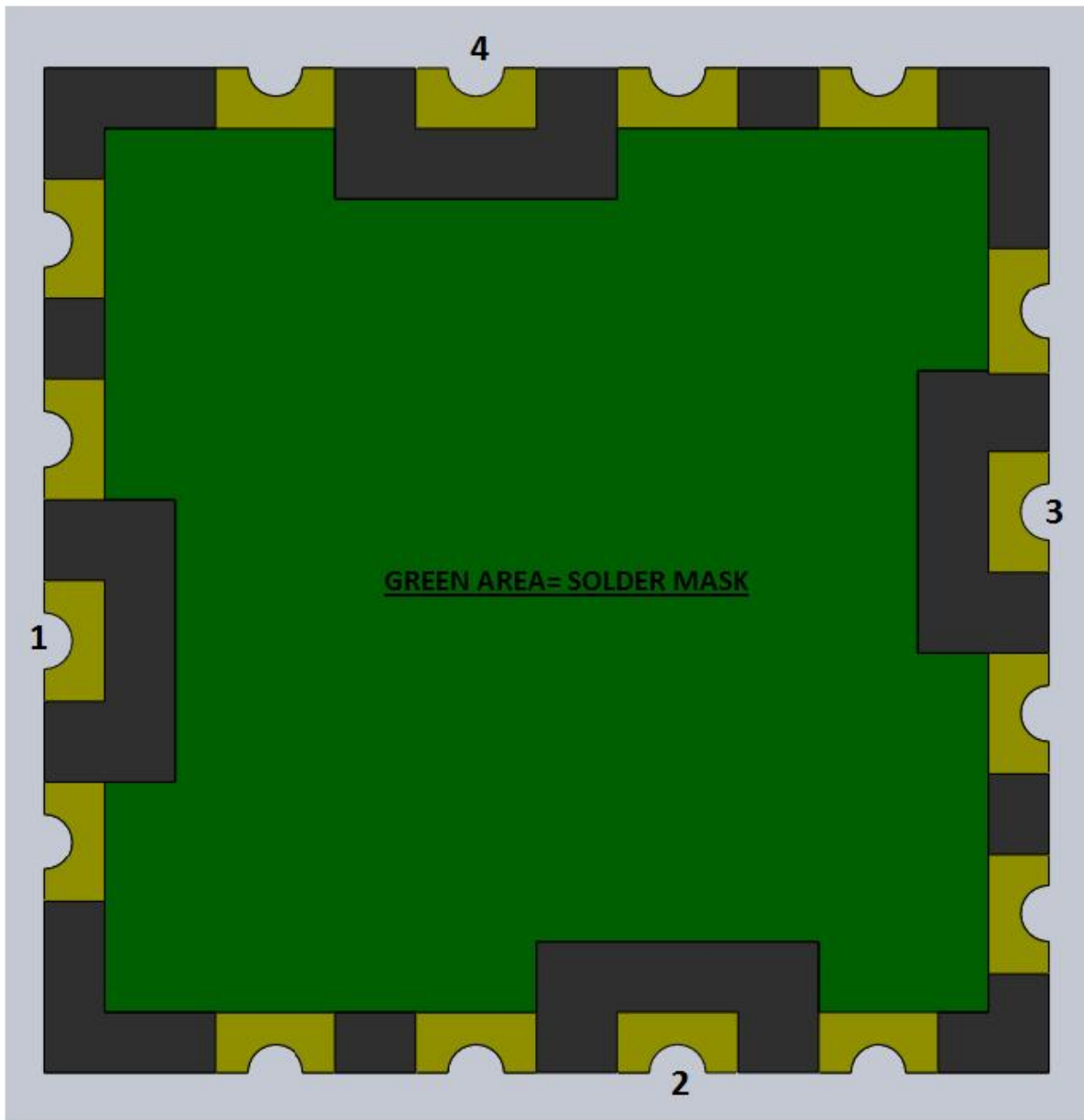
SIZE	DWG. NO.	REV
A	1	

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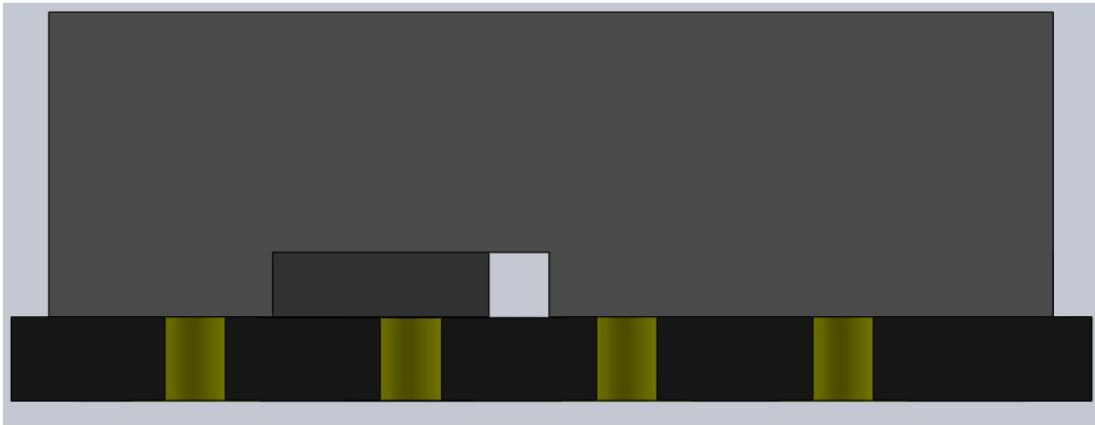
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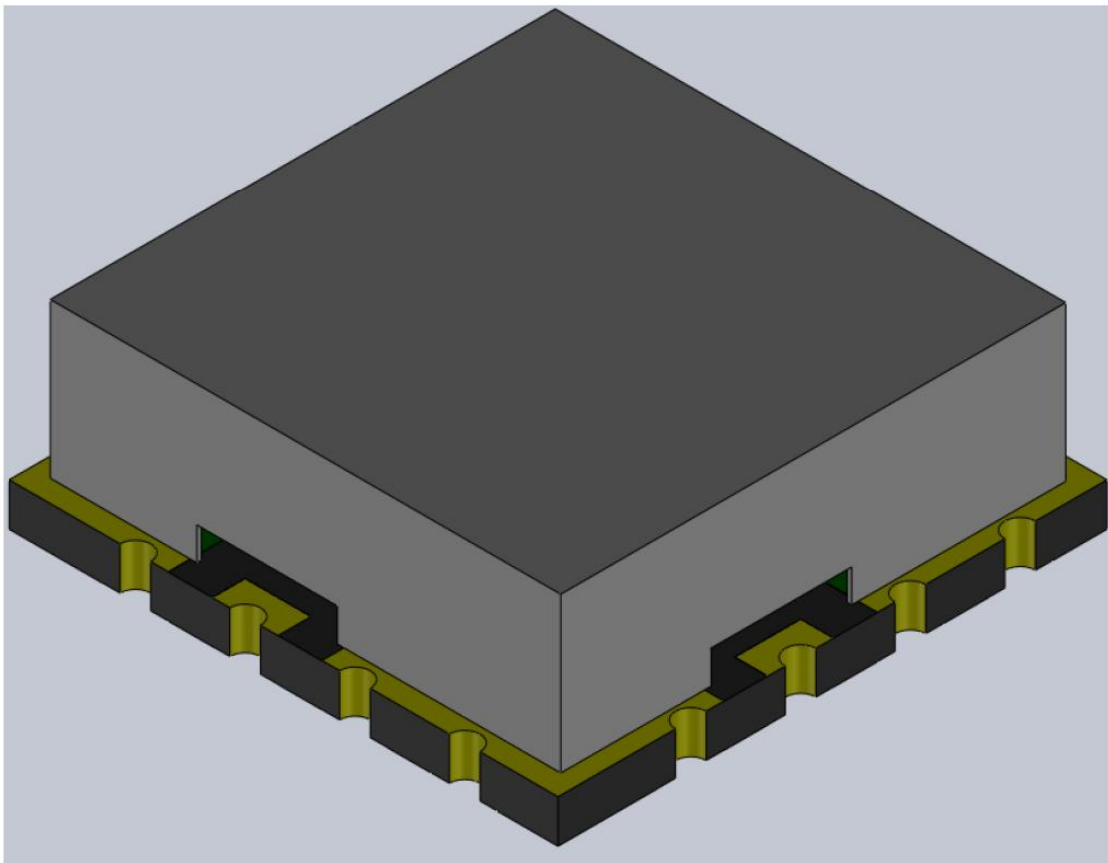
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW