

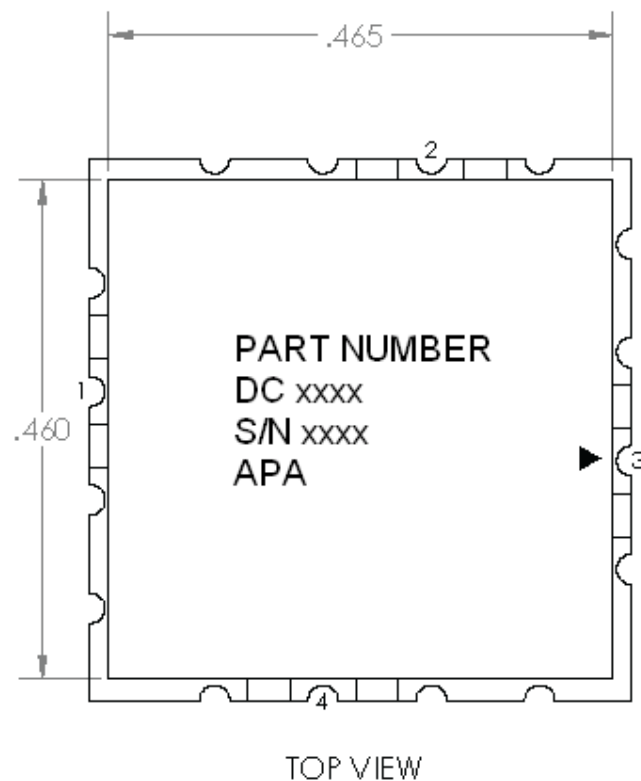
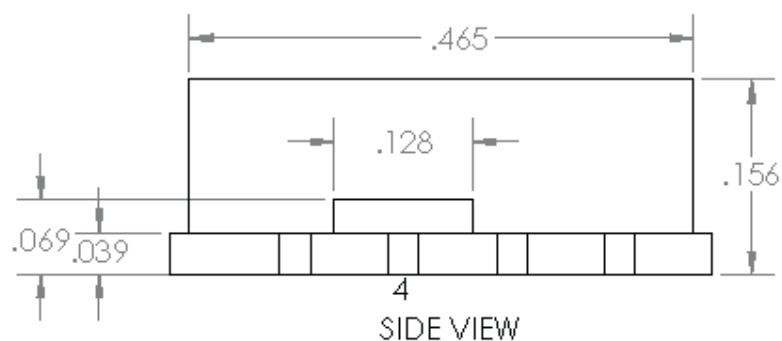
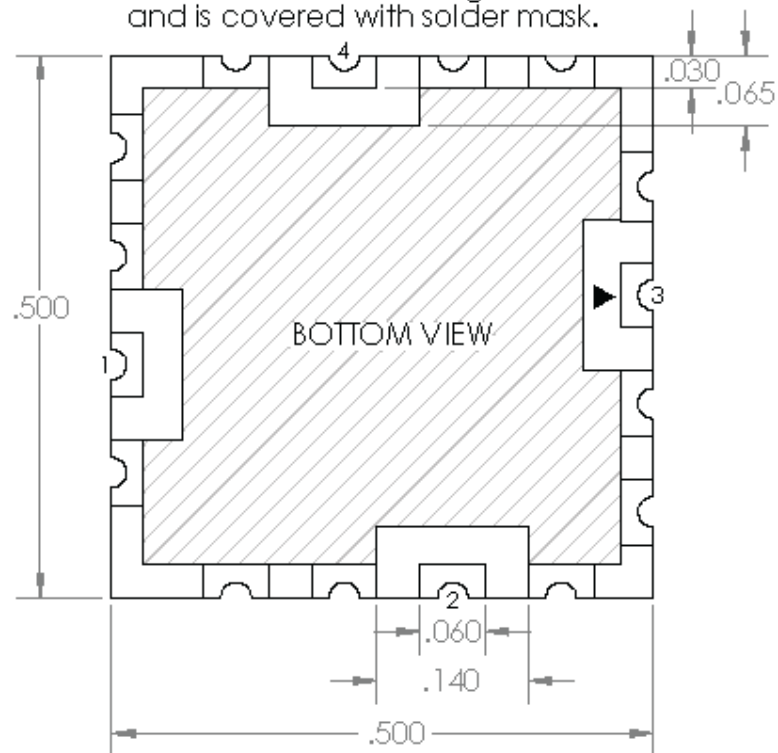


	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	950		2150	MHz	1	..	..
Tuning Voltage	0.5		22	V	1	..	..
Modulation Sensitivity	30		95	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	3	6	9	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-70	-65	dBc/Hz	1	..	..
10 KHz Offset		-98	-93	dBc/Hz	1	..	..
100 KHz Offset		-118	-113	dBc/Hz	1	..	..
1 MHz Offset		-138	-133	dBc/Hz	1	..	..
10 MHz Offset		-	-	dBc/Hz	1	..	..
Pushing		2.5	5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		10	15	MHz _{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
2nd Harmonic		-8	-4	dBc	3	..	..
3rd Harmonic		-18	-10	dBc	3	..	..
Spurious (non-harmonic)			-80	dBc	2	..	..
Vcc	4.75	5.00	5.25	V	1	..	..
Icc		25	30	mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUAM_156			7		
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. Design goal subject to change
7. Fully masked bottom pcb

NOTE: Hatched area is ground
and is covered with solder mask.



CONTACT ASSIGNMENTS

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



TITLE:

MOD_156 PACKAGE

DRAWN NAME Glenn Epps DATE 07/07/2017

COMMENTS:
Unless otherwise specified all dimensions are in inches.

SIZE
A

DWG. NO.

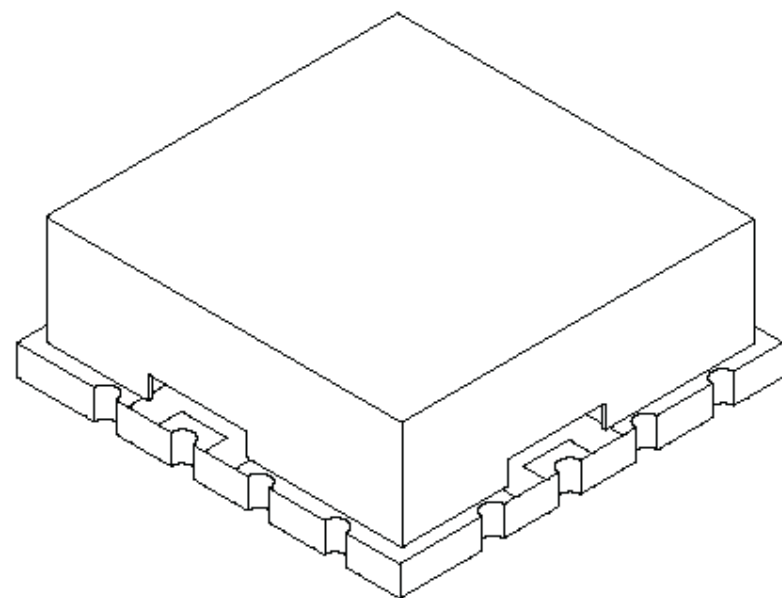
REV

1

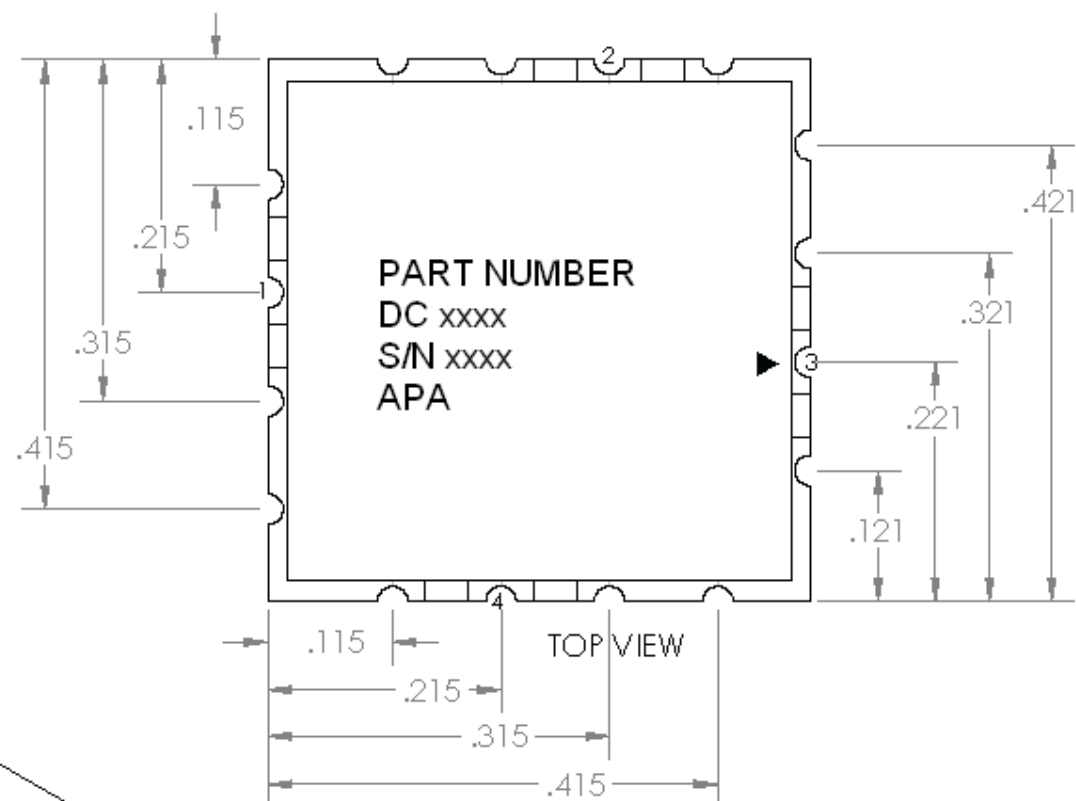
SCALE: 6:1

unit: inch

SHEET 1 OF 2



ISOMETRIC VIEW



CONTACT ASSIGNMENTS

1. V-Tune
2. VCC
3. RF Out
4. Modulation



NAME
Glenn Epps

DATE
07/07/2017

COMMENTS:
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TITLE:

MOD_156 PACKAGE

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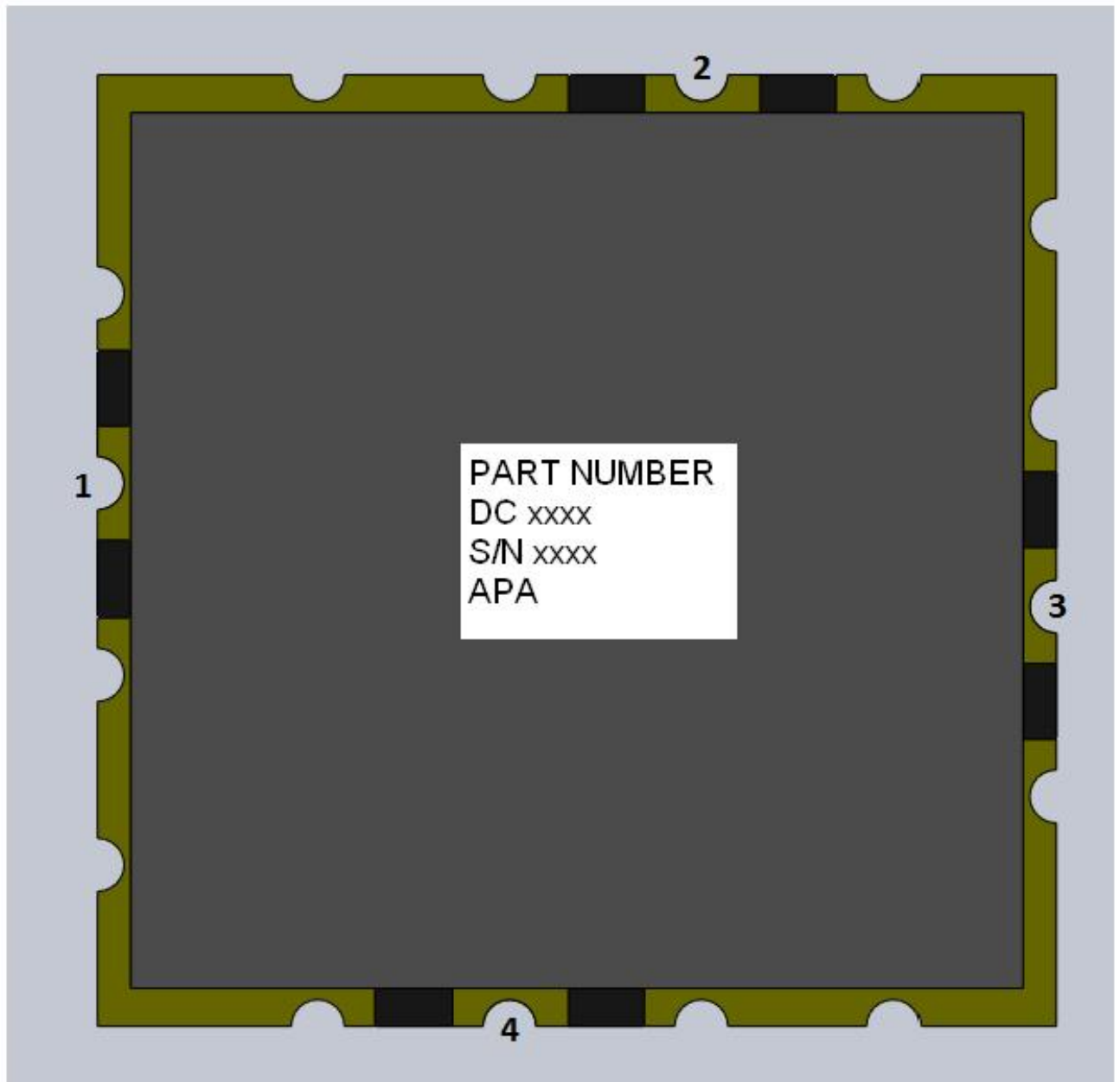
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REV

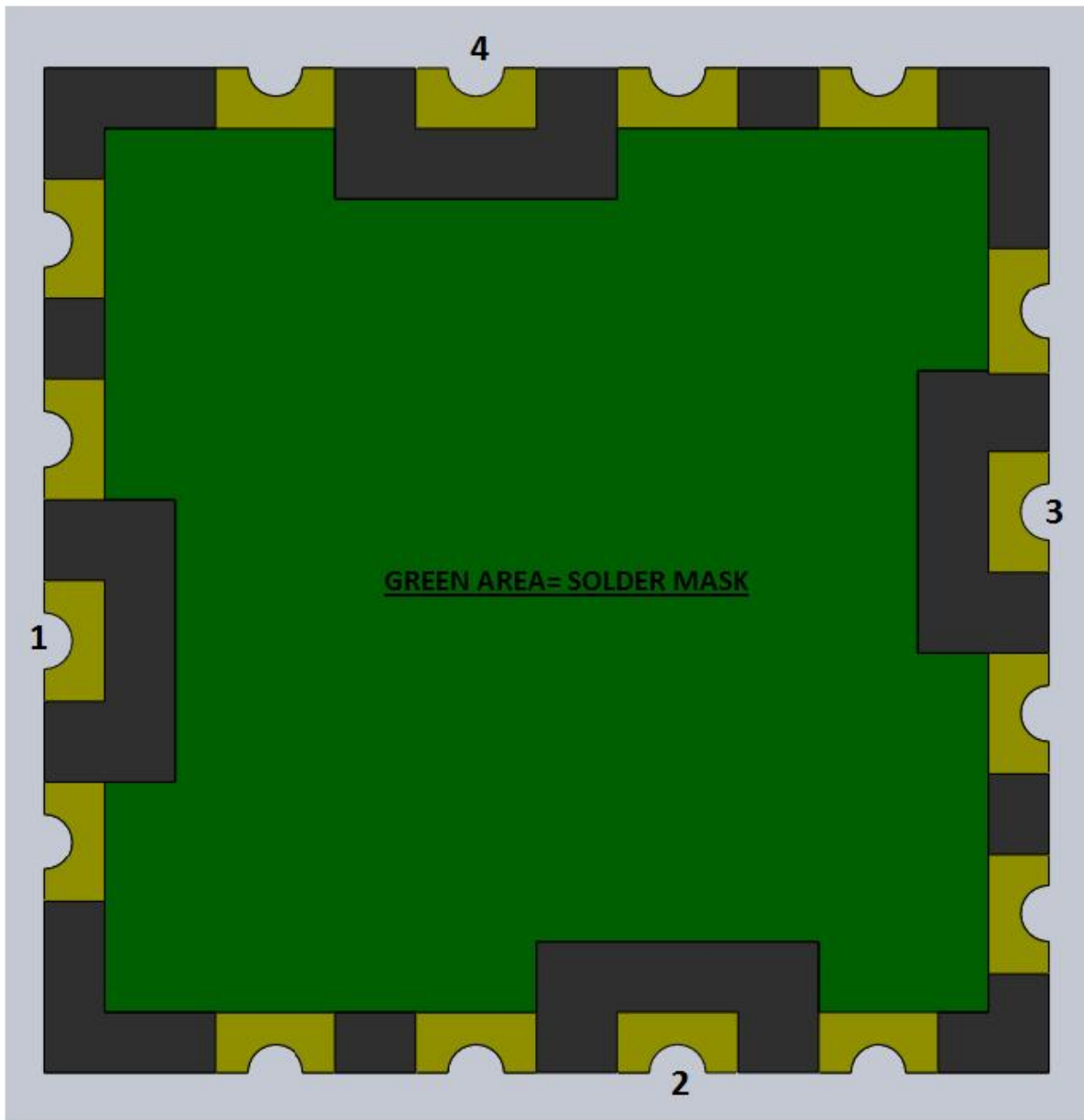
SCALE: 6:1

unit: inch

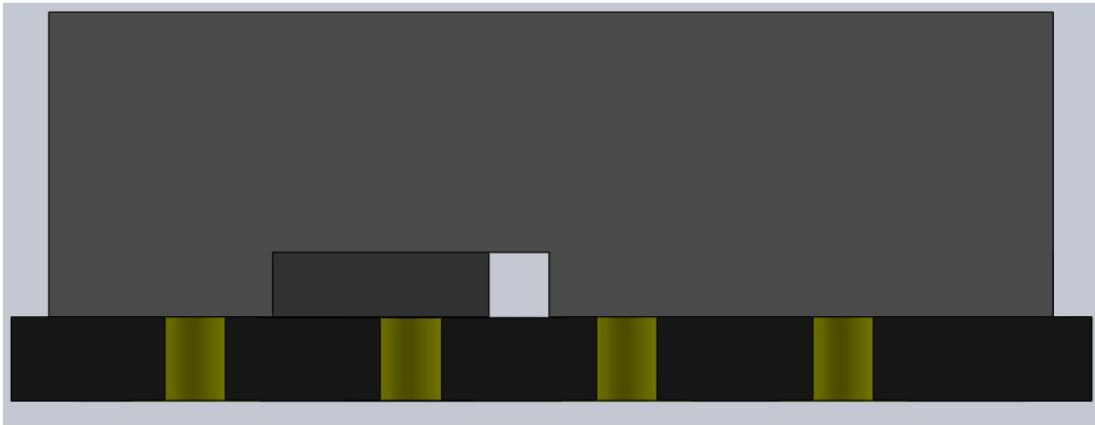
SHEET 2 OF 2



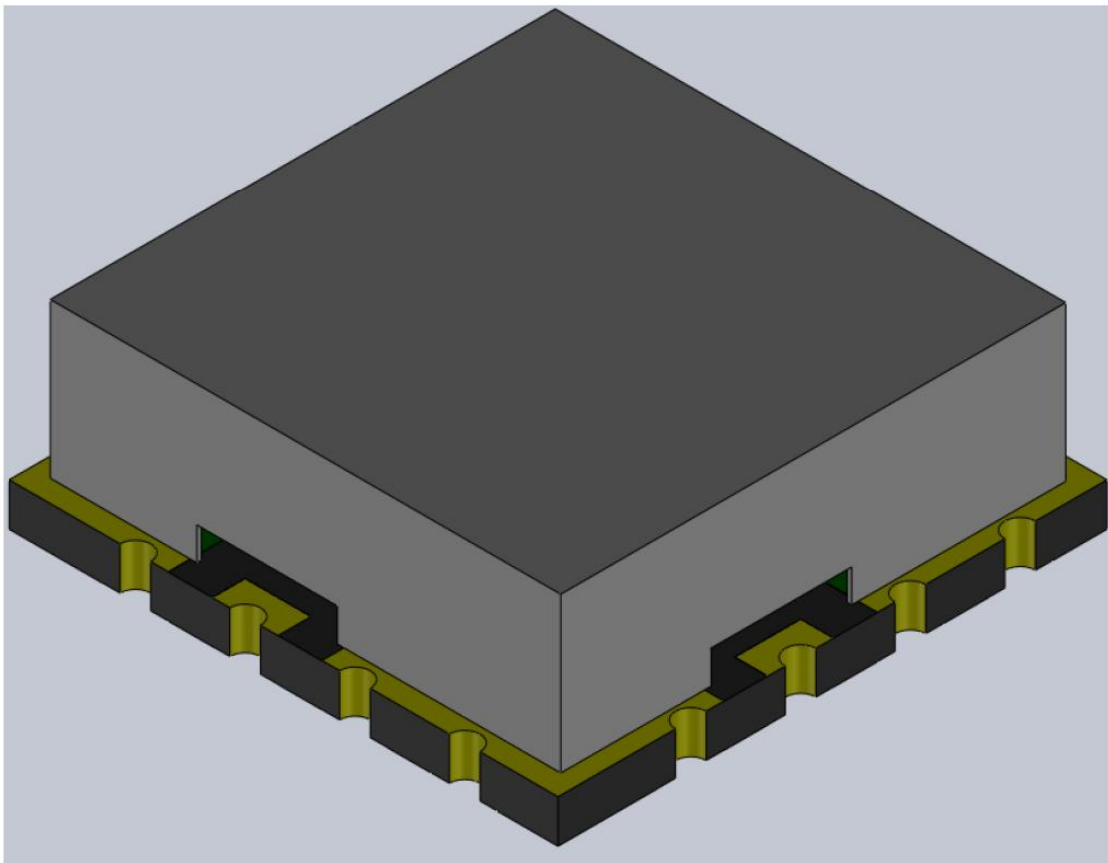
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW