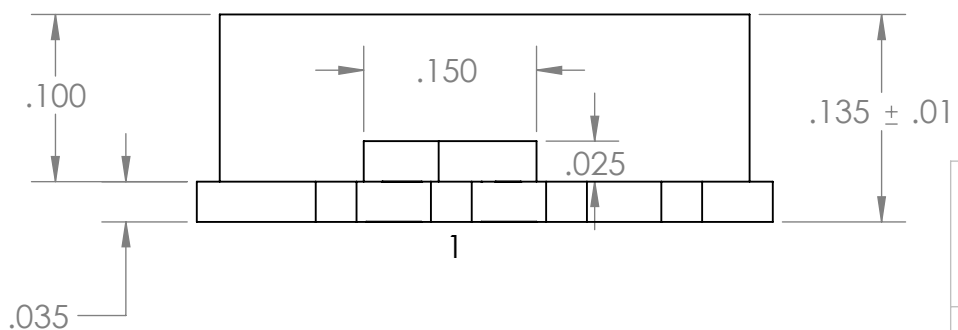
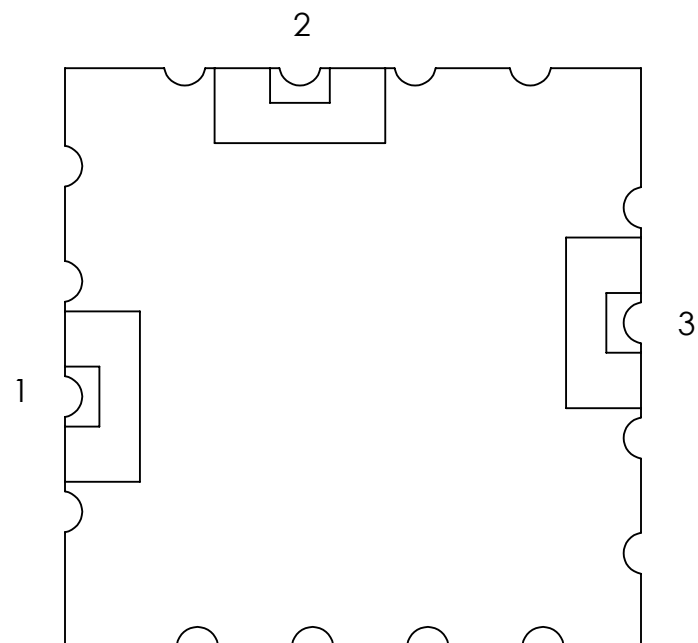
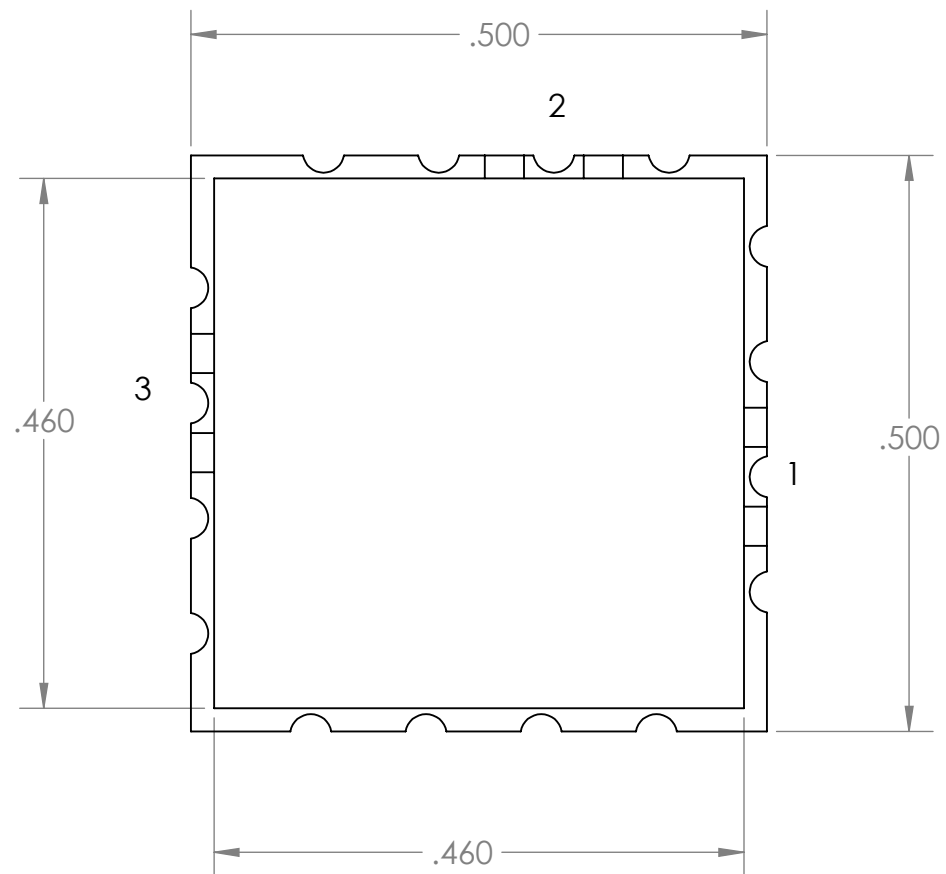




|                          |            |            |            |              |              | Production               | First Article            |
|--------------------------|------------|------------|------------|--------------|--------------|--------------------------|--------------------------|
|                          | <u>MIN</u> | <u>TYP</u> | <u>MAX</u> | <u>UNITS</u> | <u>NOTES</u> | <u>Test</u>              | <u>Test</u>              |
| Frequency Range          |            | 900        |            | MHz          | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Tuning Voltage           | 0.5        |            | 4.5        | V            | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Modulation Sensitivity   |            | 10         |            | MHz/V        | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Operates with Vtune = 0V |            |            |            |              | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Output Power             | -2         | 0          | 2          | dBm          | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Phase Noise @            |            |            |            |              |              |                          |                          |
| 1 KHz Offset             |            | -88        | -83        | dBc/Hz       | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 KHz Offset            |            | -115       | -110       | dBc/Hz       | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| 100 KHz Offset           |            | -135       | -130       | dBc/Hz       | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| 1 MHz Offset             |            | -155       | -150       | dBc/Hz       | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Pushing                  |            | 0.2        |            | MHz/V        | 3            | <input type="checkbox"/> | <input type="checkbox"/> |
| Pulling (1.75:1 VSWR)    |            | 1          |            | MHz          | 3            | <input type="checkbox"/> | <input type="checkbox"/> |
| Modulation Bandwidth     |            | 1          |            | MHz          | 4            | <input type="checkbox"/> | <input type="checkbox"/> |
| Tuning Port Capacitance  |            | 47         |            | pF           | 2            | <input type="checkbox"/> | <input type="checkbox"/> |
| Harmonics                |            | -15        | -10        | dBc          | 3            | <input type="checkbox"/> | <input type="checkbox"/> |
| Vcc                      |            | 5          |            | V            | 5            | <input type="checkbox"/> | <input type="checkbox"/> |
| Icc                      |            | 22         |            | mA           | 1            | <input type="checkbox"/> | <input type="checkbox"/> |
| Operating Temperature    | -40        |            | +85        | C            | 3            | <input type="checkbox"/> | <input type="checkbox"/> |
| Package                  |            | SMUA       |            |              | 6            |                          |                          |
| LxW                      |            | 0.500      |            | inch sq.     | 5            | <input type="checkbox"/> | <input type="checkbox"/> |
| Height                   |            | 0.135      |            | inch         | 5            | <input type="checkbox"/> | <input type="checkbox"/> |

### 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

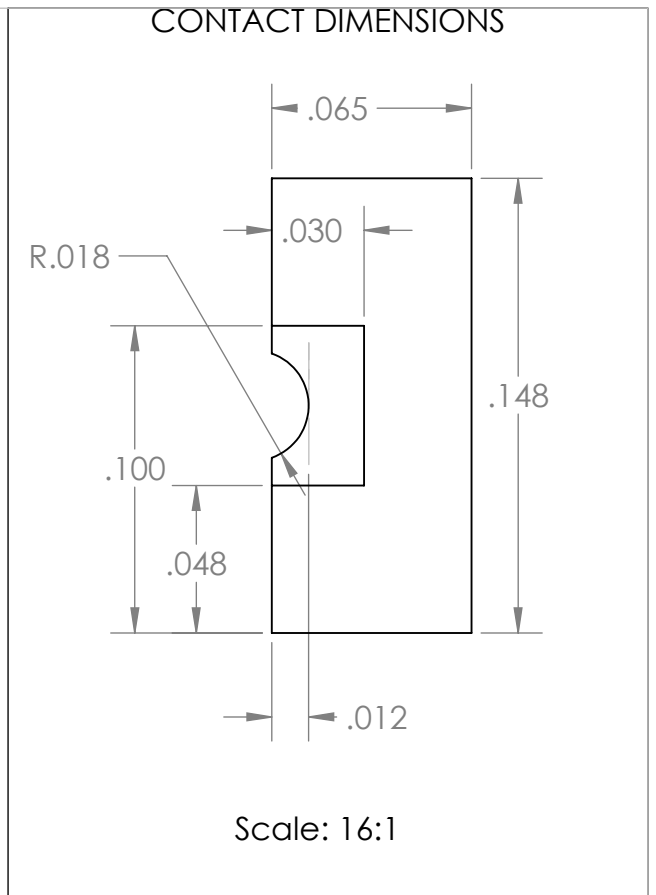
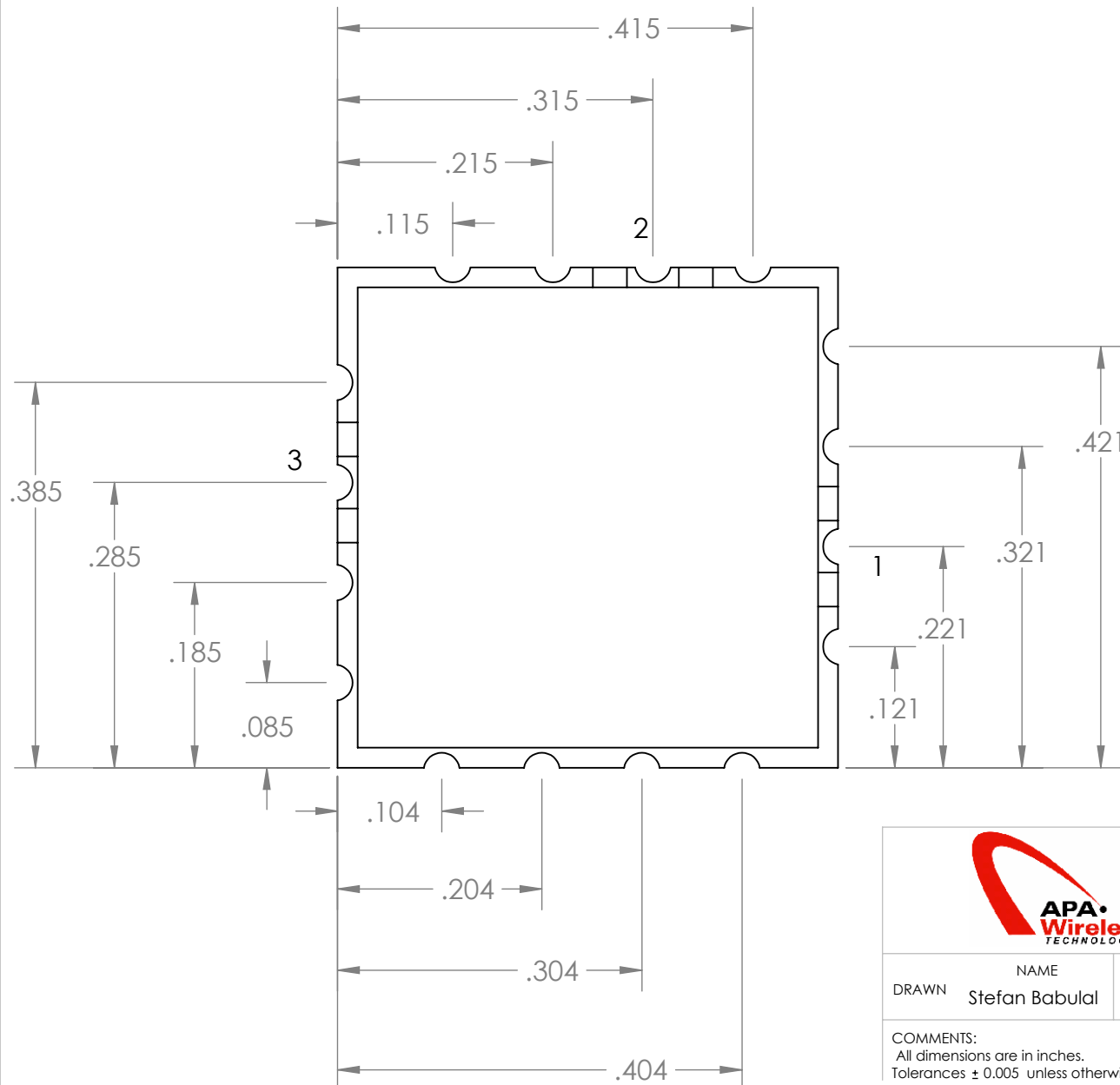


| CONTACT ASSIGNMENTS           |
|-------------------------------|
| 1. RF OUT                     |
| 2. SUPPLY INPUT               |
| 3. TUNING VOLTAGE INPUT       |
| ALL OTHER CONTACTS ARE GROUND |



|                         |                        |                   |
|-------------------------|------------------------|-------------------|
| TITLE:<br>SMUA_135      |                        |                   |
| DRAWN<br>Stefan Babulal | NAME<br>Stefan Babulal | DATE<br>2/17/2017 |
| SIZE<br><b>A</b>        | DWG. NO.<br>1          | REV               |
| SCALE: 6:1              | unit: inch             | SHEET 1 OF 2      |

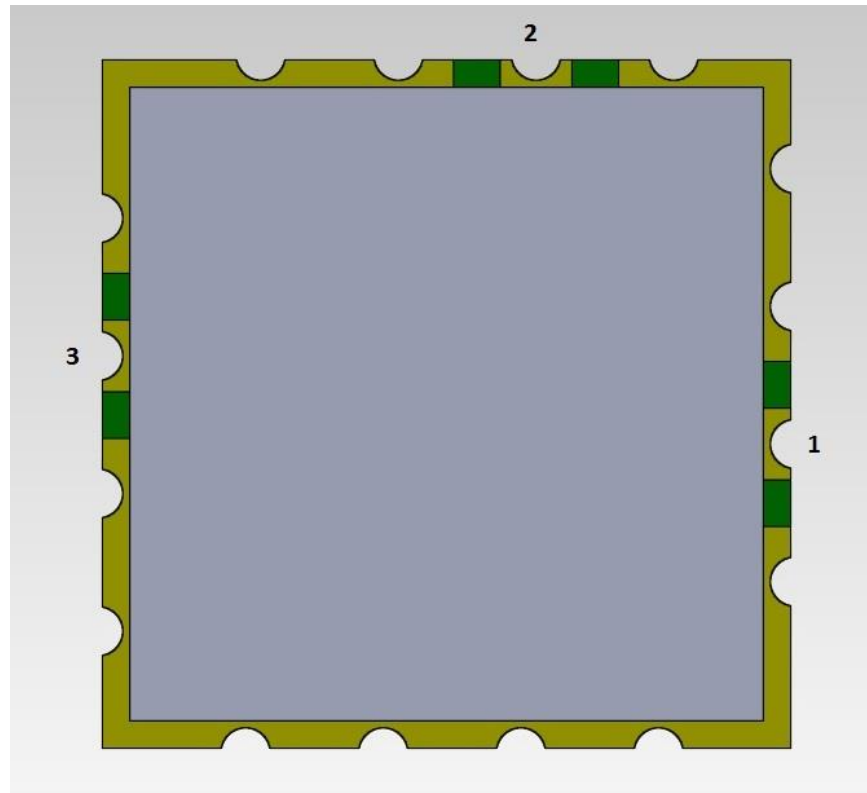
COMMENTS:  
All dimensions are in inches.  
Tolerances ± 0.005 unless otherwise noted



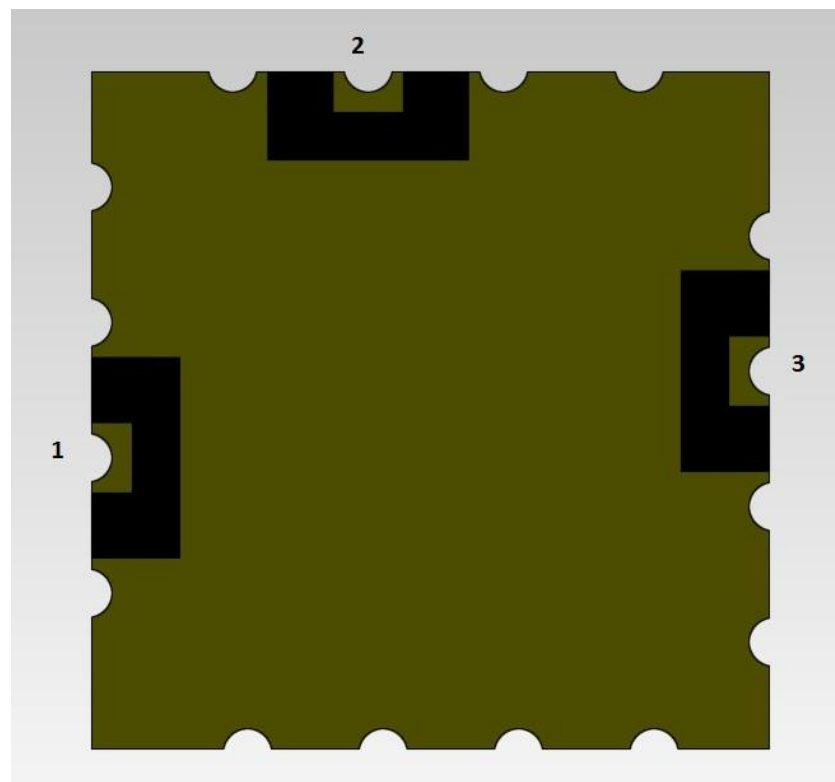
|       |                        |                   |
|-------|------------------------|-------------------|
| DRAWN | NAME<br>Stefan Babulal | DATE<br>2/17/2017 |
|-------|------------------------|-------------------|

COMMENTS:  
All dimensions are in inches.  
Tolerances  $\pm 0.005$  unless otherwise noted

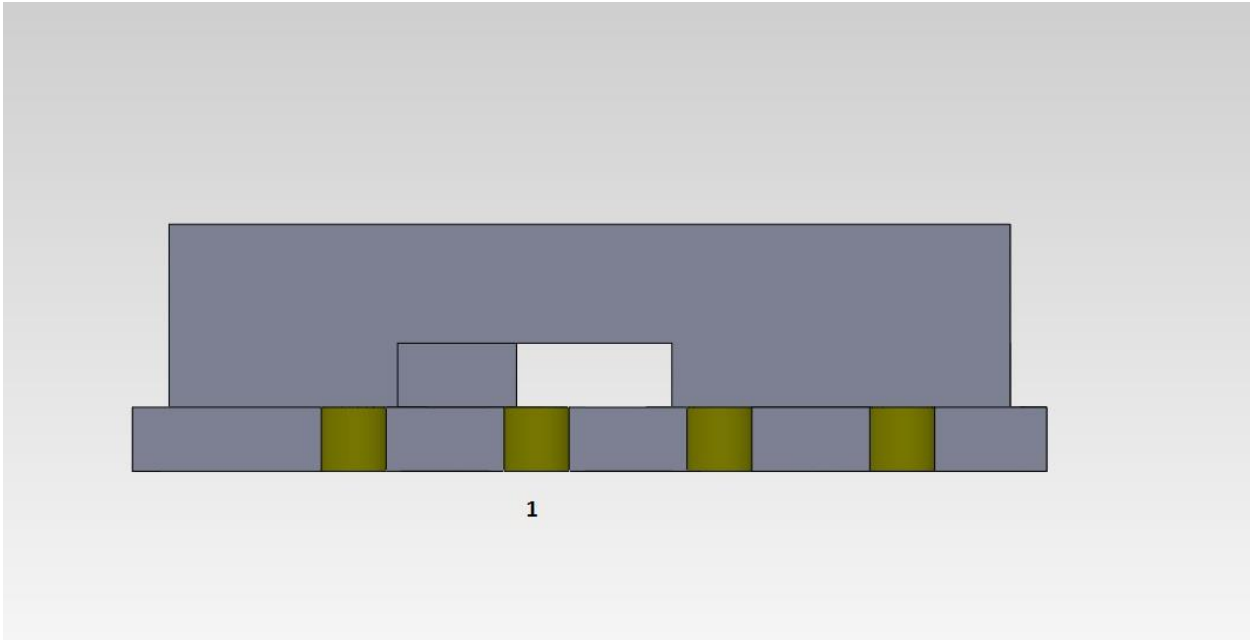
|                    |               |              |  |
|--------------------|---------------|--------------|--|
| TITLE:<br>SMUA_135 |               |              |  |
| SIZE<br><b>A</b>   | DWG. NO.<br>1 | REV          |  |
| SCALE: 6:1         | unit: inch    | SHEET 2 OF 2 |  |



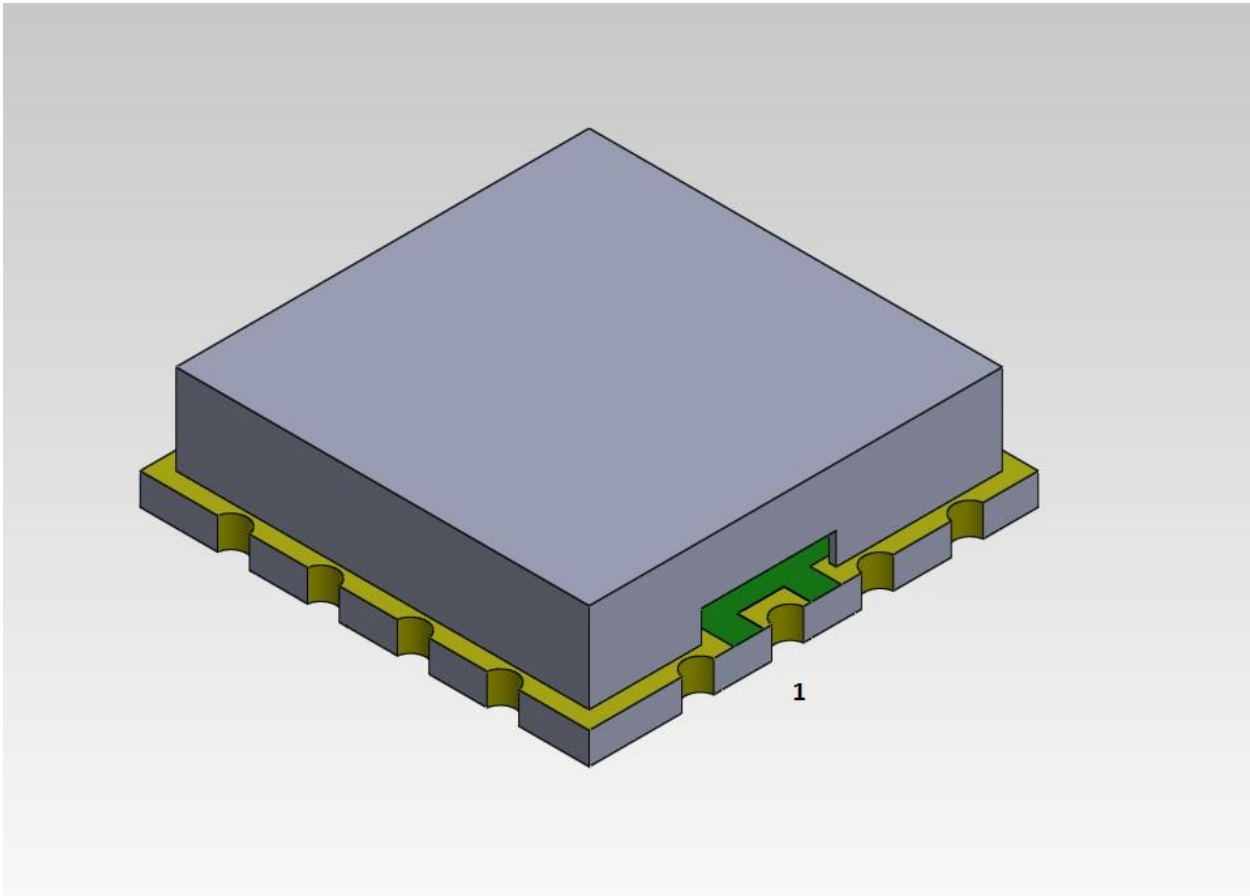
TOP VIEW



BOTTOM VIEW (INVERTED)



SIDE VIEW



ISOMETRIC VIEW