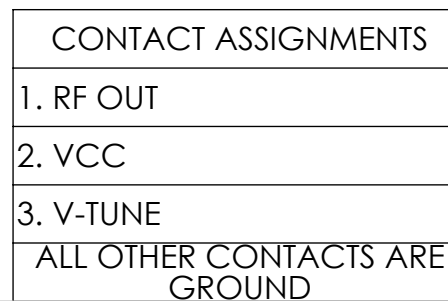
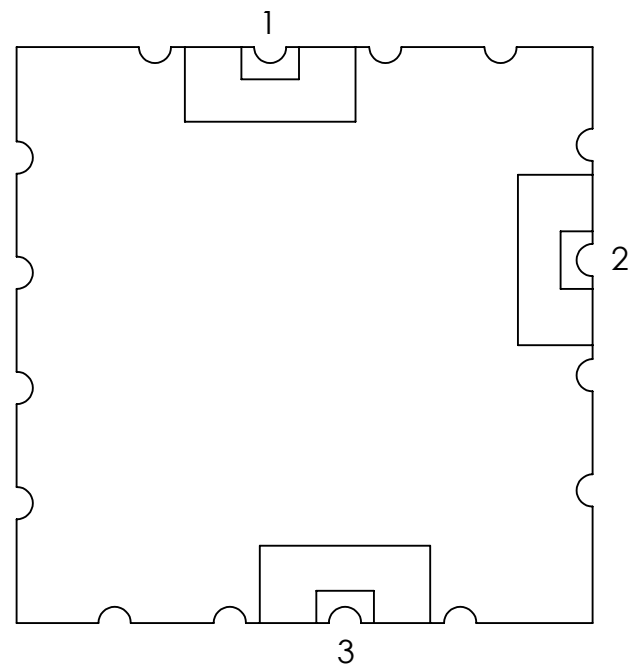




|                              | <u>MIN</u> | <u>TYP</u> | <u>MAX</u> | <u>UNITS</u>       | <u>NOTES</u> | <u>Production Test</u> | <u>First Article Test</u> |
|------------------------------|------------|------------|------------|--------------------|--------------|------------------------|---------------------------|
| Frequency Range              | 150        |            | 230        | MHz                | 1            | ..                     | ..                        |
| Tuning Voltage               | 0          |            | 10         | V                  | 1            | ..                     | ..                        |
| Modulation Sensitivity       |            | 10         |            | MHz/V              | 1,7          | ..                     | ..                        |
| Operates with Vtune = 0V     |            |            |            |                    | 1            | ..                     | ..                        |
| Output Power                 | 8          | 10         | 12         | dBm                | 1            | ..                     | ..                        |
| Phase Noise @                |            |            |            |                    |              |                        |                           |
| 1 KHz Offset                 |            | -82        |            | dBc/Hz             | 1            | ..                     | ..                        |
| 10 KHz Offset                |            | -102       |            | dBc/Hz             | 1            | ..                     | ..                        |
| 100 KHz Offset               |            | -122       |            | dBc/Hz             | 1            | ..                     | ..                        |
| 1 MHz Offset                 |            | -142       |            | dBc/Hz             | 1            | ..                     | ..                        |
| 10 MHz Offset                |            | -160       |            | dBc/Hz             | 1            | ..                     | ..                        |
| Pushing                      |            | 0.2        |            | MHz/V              | 3            | ..                     | ..                        |
| Pulling (12dB RL, any phase) |            | 1          |            | MHz <sub>p-p</sub> | 3            | ..                     | ..                        |
| Modulation Bandwidth         |            | 0.1        |            | MHz                | 4            | ..                     | ..                        |
| Tuning Port Capacitance      |            | 470        |            | pF                 | 2,7          | ..                     | ..                        |
| Harmonics                    |            | -28        | -20        | dBc                | 3            | ..                     | ..                        |
| Vcc                          |            | 12.0       |            | V                  |              | ..                     | ..                        |
| Icc                          |            | 20         | 40         | 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
7. Design goal subject to change



SMUA PACKAGE

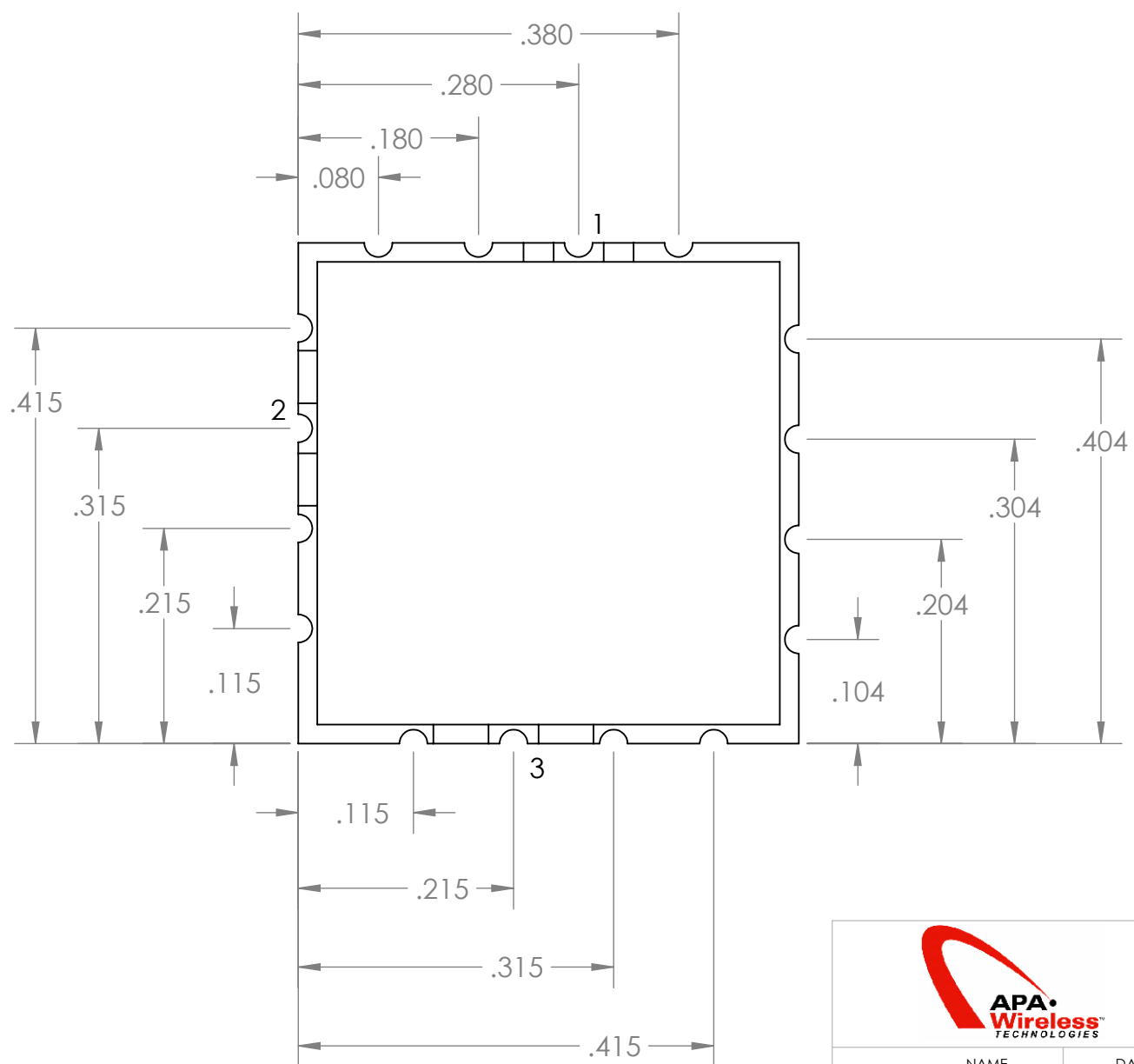


DATE  
2/20/2017

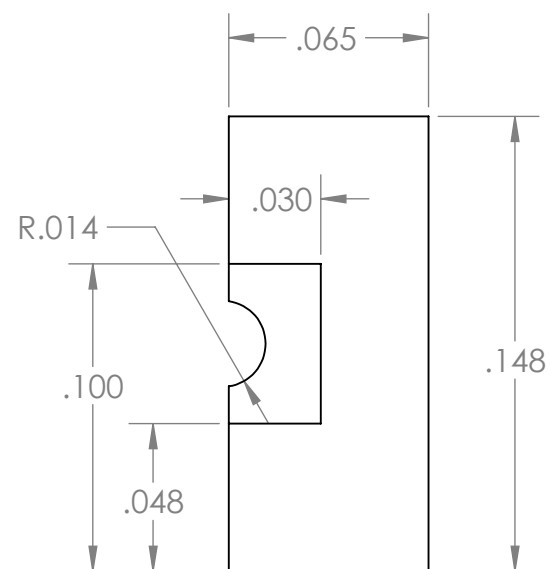
All dimensions are in inches.  
Tolerances  $\pm 0.005$  unless otherwise noted

REV

SHEET 1 OF 2



# CONTACT DIMENSIONS



Scale: 16:1



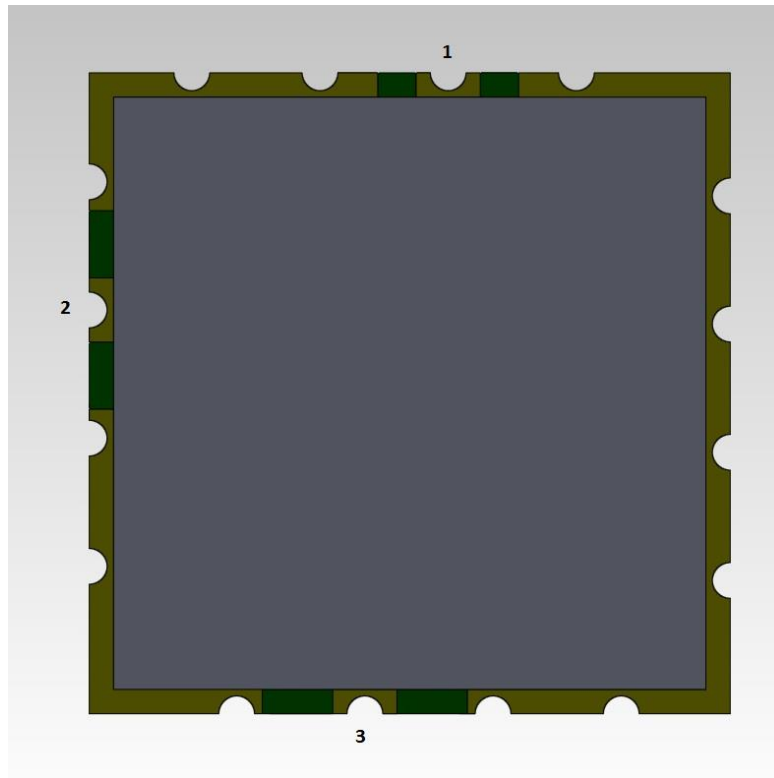
DRAWN NAME Stefan Babulal DATE 2/20/2017

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

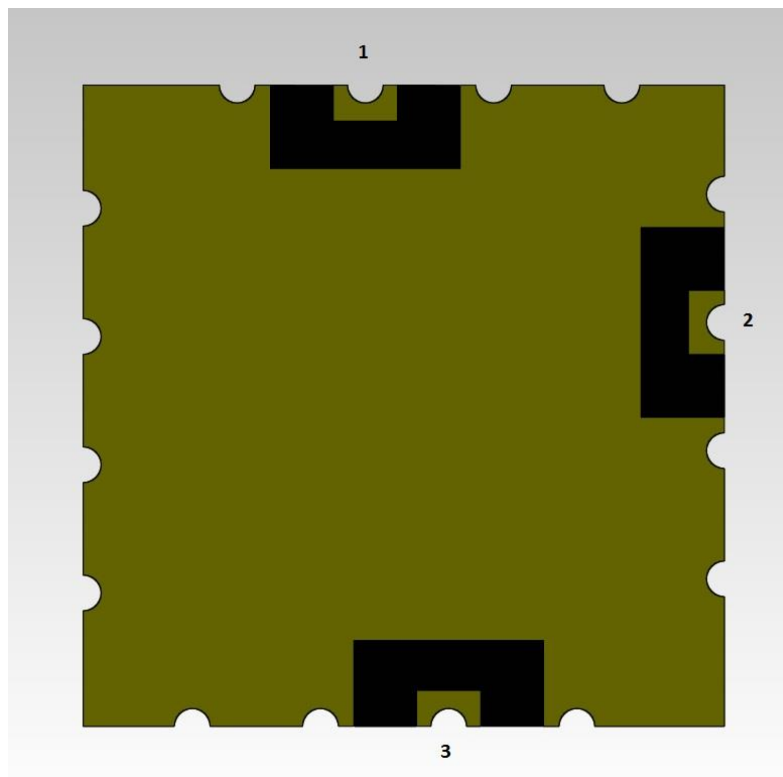
TITLE:  
SMUA PACKAGE

|                  |               |     |
|------------------|---------------|-----|
| SIZE<br><b>A</b> | DWG. NO.<br>1 | REV |
|------------------|---------------|-----|

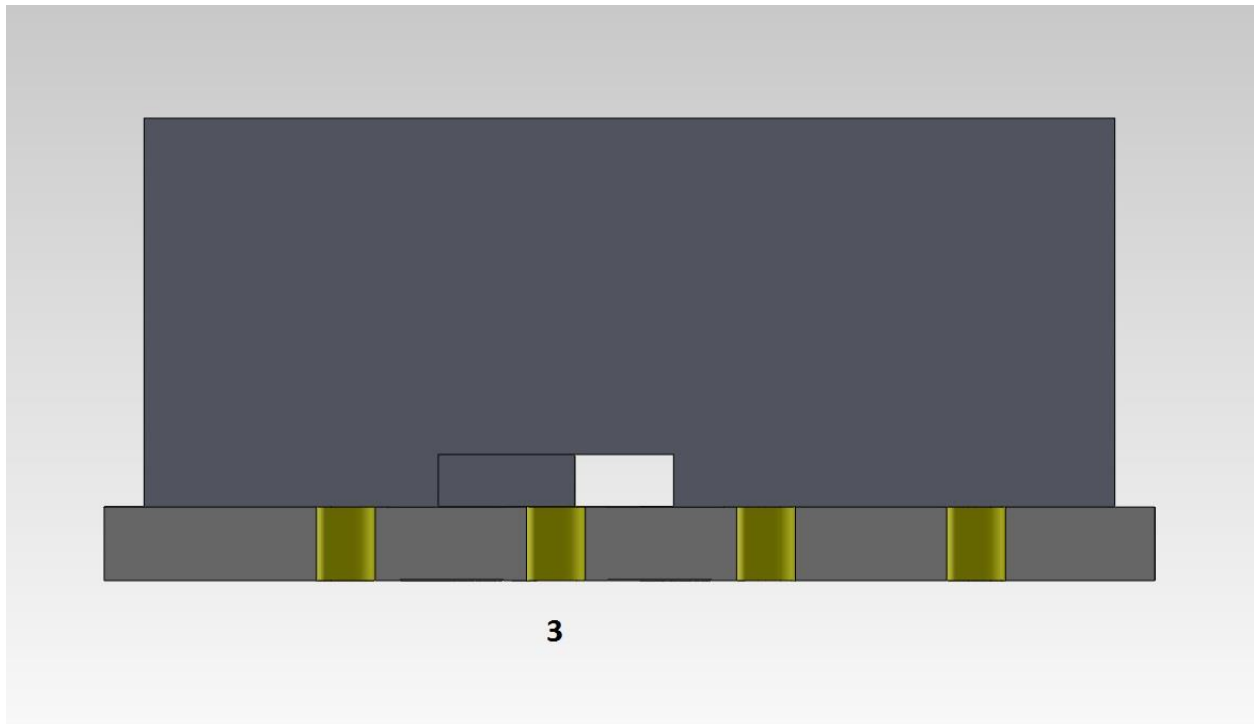
|            |            |              |
|------------|------------|--------------|
| SCALE: 6:1 | unit: inch | SHEET 2 OF 2 |
|------------|------------|--------------|



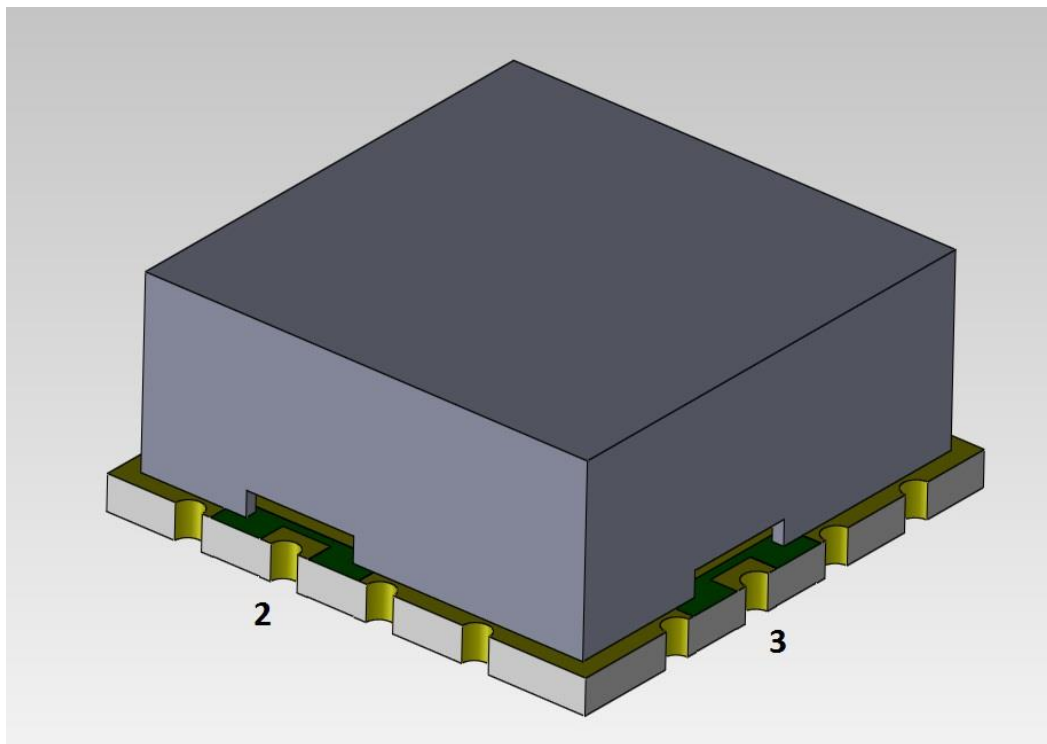
TOP VIEW



BOTTOM VIEW



SIDE VIEW



ISOMETRIC VIEW