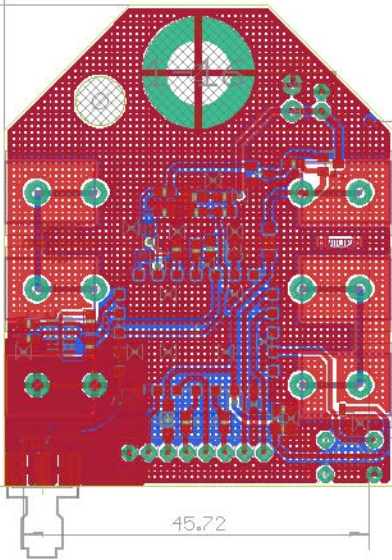


51.44

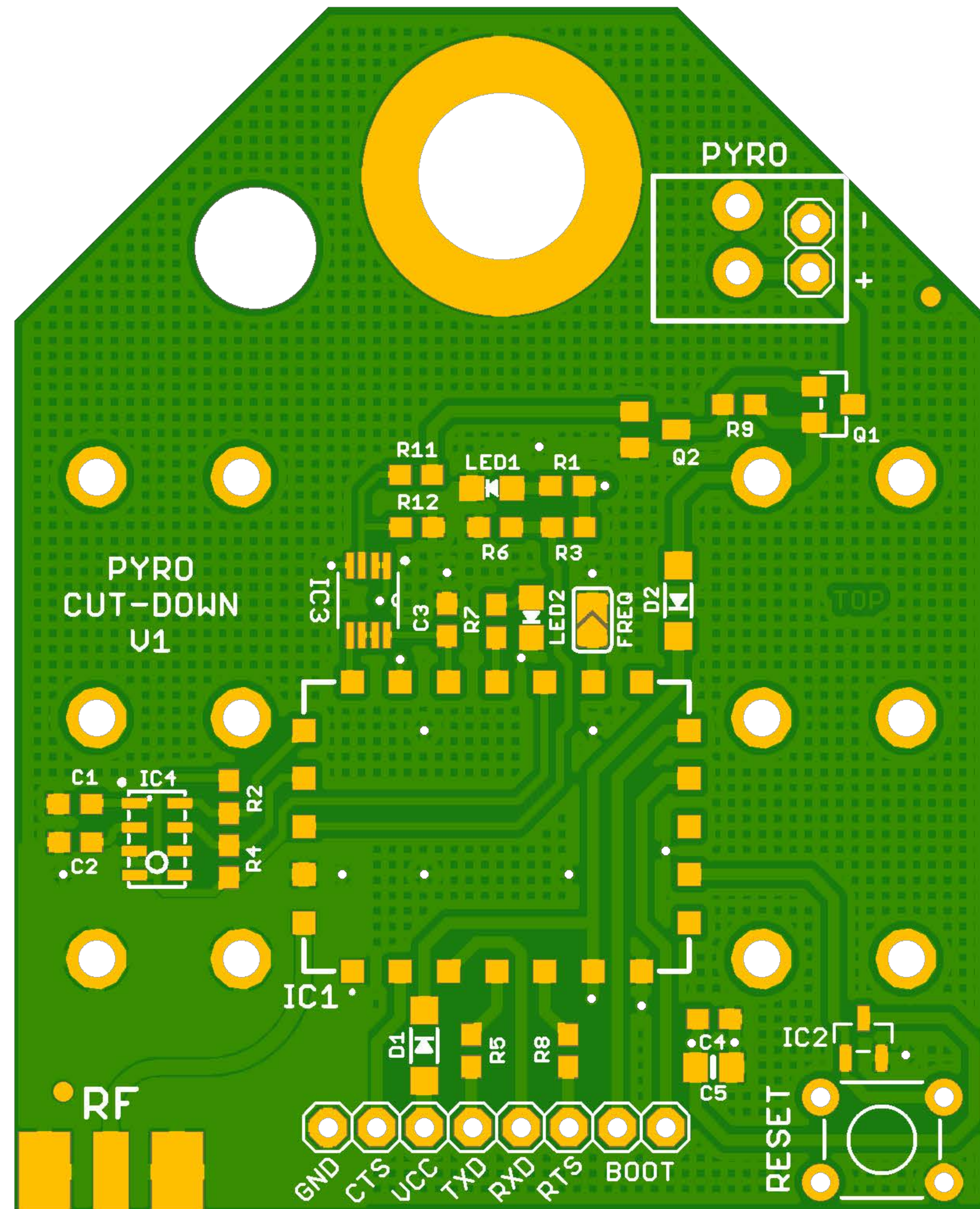
63.50

41.91

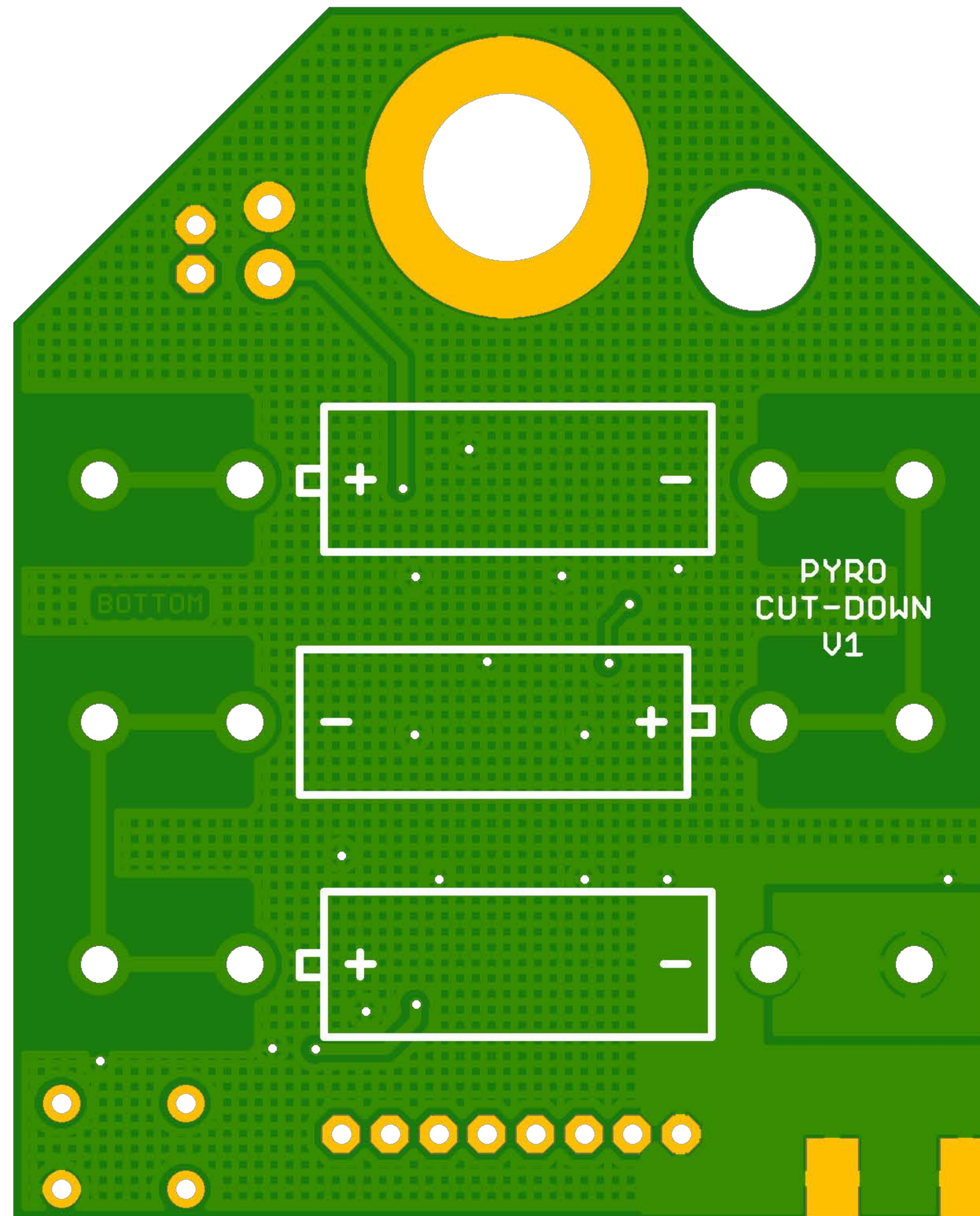
45.72











| Part   | X     | Y     | Angle | Package          | Value           | Manufacturer         | Manufacturer Part No | Farnell Part No | Mouser Part No    | Description  |
|--|-------|-------|-------|------------------|-----------------|----------------------|----------------------|-----------------|-------------------|--|
| Dimensions                                   | 51.44 | 63.50 |       |                  |                 |                      |                      |                 |                   |  |
| Fiducials - for solder paste mask alignment: |       |       |       |                  |                 |                      |                      |                 |                   |  |
| FD1  | 48.26 | 48.26 | 0     |                  |                 |                      |                      |                 |                   | Fiducial 1mm   |
| FD2  | 2.54  | 6.35  | 0     |                  |                 |                      |                      |                 |                   | Fiducial 1mm   |
| Surface Mount Components:                    |       |       |       |                  |                 |                      |                      |                 |                   |  |
| C1   | 3.18  | 21.53 | 180   | 0603             | 1uF             | Murata               | GRM188R61A105KA61D   | 1828798         |                   | MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R        |
| C2   | 3.21  | 19.49 | 180   | 0603             | 0.1uF           | Murata               | GRM188R71H104JA93D   | 2688523         |                   | MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0603; X7R      |
| C3   | 22.76 | 31.21 | 90    | 0603             | 1uF             | Murata               | GRM188R61A105KA61D   | 1828798         |                   | MultiLayer Ceramic Capacitor; 1uF; 10V; 0603; X5R        |
| C4   | 36.83 | 10.16 | 0     | 0603             | 0.1uF           | Murata               | GRM188R71H104JA93D   | 2688523         |                   | MultiLayer Ceramic Capacitor; 0.1uF; 50V; 0603; X7R      |
| C5   | 36.83 | 7.62  | 0     | 0805             | 10uF            | Murata               | GCJ21BR71A106KE01L   | 2781411         |                   | MultiLayer Ceramic Capacitor; 10uF; 10V; 0805; X7R       |
| D1   | 21.59 | 8.76  | 270   | SOD-123          | MBR120          | ON SEMICONDUCTOR     | MBR120VLSFT1G        | 1431044         |                   | Schottky Rectifier; 20V; 1A; SOD-123                     |
| D2   | 34.99 | 32.23 | 90    | SOD-123          | MBR120          | ON SEMICONDUCTOR     | MBR120VLSFT1G        | 1431044         |                   | Schottky Rectifier; 20V; 1A; SOD-123                     |
| IC1  | 25.4  | 20.32 | 0     |                  | ERIC4           | LPRS                 | ERIC4                | 2362439         |                   | LPRS easy Radio Intelligent Controller 433MHz            |
|  |       |       |       |                  | ERIC9           | LPRS                 | ERIC9                | 2362440         |                   | LPRS easy Radio Intelligent Controller 868/915MHz        |
| IC2  | 44.74 | 9.18  | 0     | SOT23-3          | MCP111T-240E/TT | Microchip            | MCP111T-240E/TT      | 1627192         |                   | Reset Supervisor; SOT23-3; 2.40V; Open Drain; Active Low |
| IC3  | 18.64 | 32.23 | 270   | SOP65P400X130-8N | SN74LVC2G02DCTR | Texas Instruments    | SN74LVC2G02DCTR      | 1236358         |                   | NOR Gate, 2 Input, 32 mA, 1.65 V to 5.5 V, SSOP-8        |
| IC4  | 7.49  | 19.65 | 0     | LGA8             | MPL3115A2       | NXP                  | MPL3115A2            | 2009084         |                   | Pressure Sensor  |
| LED1   | 25.15 | 38.16 | 90    | 2.0x1.25         | RED             | Wurth Elektronik     | 150080RS75000        | 2322077         | 710-150080RS75000 | LED; Red; 20mA; 2V; 2.0x1.25mm                           |
| LED2   | 27.24 | 31.34 | 180   | 2.0x1.25         | RED             | Wurth Elektronik     | 150080RS75000        | 2322077         | 710-150080RS75000 | LED; Red; 20mA; 2V; 2.0x1.25mm                           |
| Q1   | 43.15 | 42.58 | 270   | SOT23            | DMG3415U-7      | Diodes Inc.          | DMG3415U-7           | 1843688         |                   | MOSFET; P Channel; SOT23-WIDE                            |
| Q2   | 33.75 | 41.24 | 270   | SOT23            | 2N2222          | Fairchild            | MMBT2222A            | 9846700         |                   | Bipolar (BJT) Single Transistor, NPN, 40 V, 350 mW, 1 A  |
| R1   | 29.11 | 38.26 | 180   | 0603             | 2.2K            | Multicomp            | MCWR06X2201FTL       | 2447320         |                   | Chip Resistor; Thick Film; 2.2k; 50V; 0603; 100mW        |
| R2   | 11.27 | 21.88 | 270   | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R3   | 29.18 | 36.1  | 180   | 0603             | 100k            | Multicomp            | MCWR06X1003FTL       | 2447226         |                   | Chip Resistor; Thick Film; 100k; 50V; 0603; 100mW        |
| R4   | 11.27 | 18.48 | 90    | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R5   | 24.07 | 8.51  | 90    | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R6   | 25.3  | 36.1  | 180   | 0603             | 100k            | Multicomp            | MCWR06X1003FTL       | 2447226         |                   | Chip Resistor; Thick Film; 100k; 50V; 0603; 100mW        |
| R7   | 25.37 | 31.15 | 90    | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R8   | 29.15 | 8.51  | 90    | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R9   | 38.16 | 42.55 | 180   | 0603             | 10K             | Multicomp            | MCWR06X1002FTL       | 2447230         |                   | Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW         |
| R11  | 21.15 | 38.86 | 0     | 0603             | 1K              | Multicomp            | MCWR06X1001FTL       | 2447272         |                   | Chip Resistor; Thick Film; 1k; 50V; 0603; 100mW          |
| R12  | 21.18 | 36.1  | 0     | 0603             | 10K             | Multicomp            | MCWR06X1002FTL       | 2447230         |                   | Chip Resistor; Thick Film; 10k; 50V; 0603; 100mW         |
| Non-surface mount components:                |       |       |       |                  |                 |                      |                      |                 |                   |  |
| RF   |       |       |       |                  | SMA Jack        | Johnson              | 142-0711-821         | 1019328         |                   | SMA End Launch Jack                                      |
| BAT1   |       |       |       |                  | AAA-Clip_Pair   | Keystone Electronics | 82                   | 908721          |                   | Keystone Electronics 82 AAA Battery Clip (Pair)          |
| BAT2   |       |       |       |                  | AAA-Clip_Pair   | Keystone Electronics | 82                   | 908721          |                   | Keystone Electronics 82 AAA Battery Clip (Pair)          |
| BAT3   |       |       |       |                  | AAA-Clip_Pair   | Keystone Electronics | 82                   | 908721          |                   | Keystone Electronics 82 AAA Battery Clip (Pair)          |
| RESET  |       |       |       |                  | Tactile Switch  | Multicomp            | MCDTS6-1N            | 9471685         |                   | Switch, SPST, 0.05A, 12VDC, 160gf                        |
| PYRO   |       |       |       |                  | Terminal Block  | Phoenix Contact      | SPTA 1/2-3.5         | 1793729         |                   | Terminal Block; 3.5mm; 2 Ways; 24-16 AWG                 |