











## APPENDIX II – TABLE OF COMPONENTS

| #  | SCHEMATIC DESIGNATOR | ITEM DESCRIPTION                 | ALIEXPRESS           | REFERENCE IMAGE   |
|----|----------------------|----------------------------------|----------------------|---|
| 1  | SW1                  | SS-12F23-G5                      | <a href="#">Link</a> |    |
| 2  | M1                   | USB-C Module                     | <a href="#">Link</a> |    |
| 3  | U1                   | AP2112K-3.3TRG1                  | <a href="#">Link</a> |    |
| 4  | SW2, SW3             | TS-1101-C-W                      | <a href="#">Link</a> |    |
| 5  | U2                   | ESP32-WROOM-32                   | <a href="#">Link</a> |    |
| 6  | M2                   | MicroSD Card Module              | <a href="#">Link</a> |    |
| 7  | RGB LED              | 5mm Common Anode RGB Led         | <a href="#">Link</a> |   |
| 8  | M3                   | BME680                           | <a href="#">Link</a> |  |
| 9  | M4                   | I2S Microphone                   | <a href="#">Link</a> |  |
| 10 | LDR                  | 5mm LDR                          | <a href="#">Link</a> |  |
| 11 | R1,R2,R3,R4,R5       | Resistor 1K THP                  |                      |   |
| 12 | R6                   | Resistor 10K THP                 |                      |   |
| 13 | C1,C2,C3             | Ceramic Capacitor 0.1uF SMD 0805 |                      |   |
| 14 | C4                   | Ceramic Capacitor 10uF SMD 0805  |                      |   |