

# Ear Tag BOM

#	Item	Value/Package	Qty	Shop
1	200R Resistors	200R 0805	10	<a href="https://www.pixelelectric.com/more-categories/electronic-components/passive-components/resistor/1-0805-smd-resistors-200/">https://www.pixelelectric.com/more-categories/electronic-components/passive-components/resistor/1-0805-smd-resistors-200/</a>
2	1210 SMD Blue LED Diodes	Blue/1210	5	<a href="https://www.pixelelectric.com/more-categories/electronic-components/led-plugs-connectors/smd-leds/1210-smd-blue-led-diode/">https://www.pixelelectric.com/more-categories/electronic-components/led-plugs-connectors/smd-leds/1210-smd-blue-led-diode/</a>
3	40pin 2.54mm Header pin Straight	-	1	<a href="https://www.pixelelectric.com/instruments-tools/wire-and-cables/header-pins/40pin-2-54mm-header-pin-male-straight/">https://www.pixelelectric.com/instruments-tools/wire-and-cables/header-pins/40pin-2-54mm-header-pin-male-straight/</a>
4	ESP32-S module	-	1	<a href="https://store.nerokas.co.ke/SKU-3485?search=esp32&amp;description=true">https://store.nerokas.co.ke/SKU-3485?search=esp32&amp;description=true</a>
5	MPU6050	-	1	<a href="https://store.nerokas.co.ke/SKU-333?search=mpu6050&amp;description=true">https://store.nerokas.co.ke/SKU-333?search=mpu6050&amp;description=true</a>
6	NEO6M GPS module	-	1	<i>local sourcing</i>
7	LI-ION Battery	-	1	<a href="https://store.nerokas.co.ke/SKU-3901?search=GPS&amp;description=true">https://store.nerokas.co.ke/SKU-3901?search=GPS&amp;description=true</a>
8	RA02 LORA MODULES	-	2	<i>local sourcing</i>
9	ESP32 DEVKIT	-	1	<i>local sourcing</i>
10	CP2102 programmer Type-C	-	1	<a href="https://ktechnics.com/product/cp2102-usb-type-c-usb-to-uart-ttl-module-6pin-serial-converter/">https://ktechnics.com/product/cp2102-usb-type-c-usb-to-uart-ttl-module-6pin-serial-converter/</a>
11	Tactile push button	-	5	<a href="https://www.pixelelectric.com/electronic-modules/miscellaneous-modules/hall-switches-keypads/tactile-tact-pushbutton-6x6x5mm/">https://www.pixelelectric.com/electronic-modules/miscellaneous-modules/hall-switches-keypads/tactile-tact-pushbutton-6x6x5mm/</a>
12	10k resistors	10k 0805	10	<a href="https://www.pixelelectric.com/more-categories/electronic-components/passive-components/resistor/1-0805-smd-resistors-10k/">https://www.pixelelectric.com/more-categories/electronic-components/passive-components/resistor/1-0805-smd-resistors-10k/</a>
13	10uF SMD capacitors	10uF 0805	10	<a href="https://www.pixelelectric.com/more-categories/electronic-components/passive-components/capacitor/0805-smd-chip-capacitors-10uf/">https://www.pixelelectric.com/more-categories/electronic-components/passive-components/capacitor/0805-smd-chip-capacitors-10uf/</a>
14	AMS1117-3.3	SOT-223	2	<a href="https://store.nerokas.co.ke/SKU-1347?search=ams1117&amp;description=true">https://store.nerokas.co.ke/SKU-1347?search=ams1117&amp;description=true</a>

*\*if LM1117, Do not order, otherwise confirm if the component they have in stock is SMD(SOT223)*