**Components List**

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| --- | --- | --- | --- |
| **Num** | **Item** | **Quantity** | **Unit Price (€)** |
| 1. | ATMEGA328P -AU, 8bit AVR Micro | 1.00 | 3.50 |
| 2. | IRF540NSPBF N-channel MOSFET | 4.00 | 1.35 |
| 3. | 470kΩ CRG1206 resistor ±1% 0.25W | 1.00 | 0.02 |
| 4. | 1kΩ CR1206 resistor ±5% 0.25W | 5.00 | 0.02 |
| 5. | 10kΩ CR1206 resistor ±5% 0.25W | 1.00 | 0.02 |
| 6. | Wire Inductor 1000uH | 1.00 | 0.45 |
| 7. | 12pF Multilayer Ceramic Capacitor 50V dc | 2.00 | 0.02 |
| 8. | 10nF Multilayer Ceramic Capacitor 50V dc | 2.00 | 0.02 |
| 9. | 16MHz Crystal ±30ppm | 1.00 | 1.66 |
| 10. | Electrolytic Capacitor 22μF 100V dc | 1.00 | 0.34 |
| 11. | Bluetooth Module for Arduino - HC06 | 1.00 | 8.90 |
| 12. | 5V 1.4A Step-Up Voltage Regulator U3V12F5 | 1.00 | 4.50 |
| 13. | Polymer Lithium Ion Battery - 3.7v 450mAh | 1.00 | 4.90 |
| 14. | Diode Rectifier - 1A 400V | 1.00 | 0.02 |
| 15. | MPU-6050 3 Axis Gyroscope +Accelerometer | 1.00 | 1.20 |
| 16. | double Sided Photosensitive Plate 50x50mm | 1.00 | 1.00 |
| 17. | 2" Round TENS Unit Electrodes | 3.00 | 0.75 |
| 18. | 3.5mm Snap Connectors | 3.00 | 2.00 |
| 19. | 3D Printed Case | 1.00 | 15.00 |
| 20. | Lithium Battery Charger Module 1A-TP4056 | 1.00 | 1.50 |

**The total cost is 56.84 € or 67.19 $.**