Goes on this board: <https://www.bigtronica.com/poblado/herramienta-accesorios/protoboards-pcbs/1786-circuito-impreso-universal-47x73cm.html?search_query=protoboard&results=68>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **5V** | **Ground** |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Out+ | - |  | In+ | In+ |  | **6.8V** |  |  |  |
|  |  |  |  |  |  | In- |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Out- |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | In- |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Out- |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **6V** | Out+ | + | + |  |  | - |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | - |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | + | - |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Wire1 |  |  | Wire1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | A1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Wire2 |  |  |  | Wire2 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Wire 3 | D11 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Wire 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | + | - |  |  |  |  |  |  |  |  |

Power Switch

5V Regulator

6V Regulator

Battery

Servo #1

Servo #2

EMG Sensor

Button

10kOhm Resistor

1kOhm Resistor

Lock Switch

Arduino