

| Qty | Description | Device | Package | Value | Unit Price | Total | Supplier | Code | Parts |
|---|----------------------------------|--|-----------------|---------------|------------|---------|------------------|------------------|--|
| Body components and small hardware | | | | | | | | | |
| 1 | 4mm Acrylic glass sheet | | DIN A4 | 30cm x 20cm | | 3,59 € | Hardware store | | |
| 1 | PLA filament | limited quantity (to be verified) | | | | - € | FabLab Inventory | | |
| 2 | 60mm by 3mm O-rings | | | 60mm | 0,60 € | 1,20 € | Hardware store | | |
| 16 | iron M3 metric screws 16mm | | | m3 x 16mm | 0,22 € | 3,52 € | Hardware store | | |
| 4 | Nylon M3 metric screws 20mm | | | m3 x 16mm | 0,10 € | 0,40 € | Hardware store | | |
| 12 | metal M3 washers | | | | 0,01 € | 0,12 € | Hardware store | | |
| 6 | hex M3 nuts | | | | 0,08 € | 0,48 € | Hardware store | | |
| 1 | 4mm ø hollow plastic rod | | | 91mm | 0,25 € | 0,25 € | Hardware store | | |
| 1 | marble | | | ø=15mm | | | | | |
| 1 | pen | | | | | - € | | | |
| 1 | Single side copper circuit board | 6"x4" | | | 0,70 € | 0,70 € | FabLab Inventory | | |
| Electro-mechanic Elements | | | | | | | | | |
| 2 | Stepper Motor: Bipolar, | 200 Steps/Rev, 35x28mm, 10V, 0.5 A/Phase | | | 14,89 € | 29,78 € | Electran.com | | |
| 1 | 9V. Battery | | | | 1,90 € | 1,90 € | Electran.com | | |
| 3 | Batería de Polímero de Ion Litio | LiPo 2000mA 3.7V. | | 3.7V. 2000mAH | 9,45 € | 28,35 € | | | |
| 1 | Servo Micro Tower Pro | | | | 5,85 € | 5,85 € | Electran.com | | |
| Main Board | | | | | | | | | |
| 1 | Microcontroler ATMEGA328P-AU | IC MCU 8bit 32kB flash | TQFP32-08THIN | | 1,92 € | 1,92 € | FabLab Inventory | | U\$1 |
| 1 | Voltage Regulator LM3480IM3-5.0 | NOPBCT-ND | SOT23 | 5V. 100mA | 0,32 € | 0,32 € | FabLab Inventory | | LM3480_5V |
| 1 | CRYSTAL | | CS10 | 16MHz | | - € | | | Q2 |
| 2 | DIODE | Diode Schottky 100V SGL | SOD123 | | 0,17 € | 0,34 € | FabLab Inventory | 497-5559-1-ND | SCHOTTKY_1, SCHOTTKY_2 |
| 2 | LED | Green / Blue Clear | 1206 | | 0,15 € | 0,30 € | FabLab Inventory | 160-1xx9-1-ND | PIN13LED, PWRLED |
| 3 | Resistor | Res 0.0 Ohm 1-4W 5% | 1206 | 0 Ohm | 0,01 € | 0,02 € | FabLab Inventory | 311-0.0ERCT-ND | R2, R5, R6 |
| 3 | Resistor | Res 1.00K Ohm 1-4W 1% | 1206 | 1K | 0,01 € | 0,02 € | FabLab Inventory | 311-1.00KFRCT-ND | R1, R3, R4 |
| 2 | Unpolarized Capacitor | | 1206 | 18pF | | - € | FabLab Inventory | | C4, C5 |
| 3 | Unpolarized Capacitor | Cap Ceramic .1uF 250V X | 1206 | .1uF | 0,12 € | 0,35 € | FabLab Inventory | 399-4674-1-ND | C3, C6, C7 |
| 2 | Unpolarized Capacitor | Cap cer 10uF 35V Y5V | 1206 | 10uF | 0,18 € | 0,37 € | FabLab Inventory | 587-1352-1-ND | C1, C2 |
| 1 | OMRON SWITCH | Switch tact w-gnd 160GF | 6mm_SWITCH SMD | | 0,74 € | 0,74 € | FabLab Inventory | SW262CT-ND | S1 |
| 1 | Jack Connector | Conn Pw rjack DC | 0.65X2.75mm SMD | 65mm | 0,82 € | 0,82 € | FabLab Inventory | CP1-023PICT-ND | J1 |
| 1 | Header 2 | M02LOCK female Pin Stri | 1X02_LOCK | | 0,15 € | 0,15 € | Electran.com | | JP4 |
| 1 | PIN HEADER | MA03-1 female Pin Strip | MA03-1 | | 0,22 € | 0,22 € | Electran.com | | SV2 |
| 1 | 4 PIN HEADER | MA04-1 female Pin Strip | MA04-1 | | 0,30 € | 0,30 € | Electran.com | | CON_ACCEL |
| 3 | 6 PIN HEADER | PINHD-1X6 female Pin St | 1X06 | | 0,45 € | 1,35 € | Electran.com | | FTDI, MOT_LEFT, MOT_RIGHT ICSP, JP_SERVO |
| 2 | PIN HEADER | PINHD-2X3-SMD | 2X03SMD | | | - € | FabLab Inventory | | ICSP, JP_SERVO |
| 1 | 2 SMT pin pads | Terminal block 3.5mm 2P | SCREW_2 | | 0,46 € | 0,46 € | FabLab Inventory | ED1514-ND | POWER |
| Motor Driver Shields (for 2 shields) | | | | | | | | | |
| 4 | H-bridge | | 8SOIC | | 1,57 € | 6,30 € | FabLab Inventory | 620-1428-1-ND | |
| 4 | Unpolarized Capacitor | Cap Ceramic .1uF 250V X | 1206 | .1uF | 0,12 € | 0,46 € | FabLab Inventory | 399-4674-1-ND | |
| 4 | Unpolarized Capacitor | Cap cer 10uF 35V Y5V | 1206 | 10uF | 0,18 € | 0,74 € | FabLab Inventory | 587-1352-1-ND | |
| 2 | 4 PIN HEADER | MA04-1 female Pin Strip | MA04-1 | | 0,30 € | 0,60 € | Electran.com | | |
| 2 | 6 PIN HEADER | PINHD-1X6 male 90º Pin ! | 1X06 | | 0,45 € | 0,90 € | Electran.com | | |
| Battery Charger | | | | | | | | | |
| | Under development | | | | | - € | | | |
| | Under development | | | | | - € | | | |
| | Under development | | | | | - € | | | |
| Accelerometer Shield | | | | | | | | | |
| 1 | Acelerómetro ADXL335 3 axis | | | | 21,90 € | 21,90 € | Electran.com | | |
| | Under development | | | | | - € | | | |
| | Under development | | | | | - € | | | |
| | Under development | | | | | - € | | | |

Total Cost

114,70 €