

**Project:**

**Quadruped Auto - Critter Robot**

Issued: 19/12/2018

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
1N4006 Rectifier Diode 800V	9	£0.14	£1.26	ebay	Sunk cost
2mm x 10mm Miniature Steel Pozi Screws	48	£0.03	£1.25	Amazon	Can be re-used on other projects
6mm Conductive Copper Foil Tape	30	£5.67	£0.85	ebay	Sunk cost - cost per cm
Arduino NANO	1	£2.20	£2.20	ebay	Can be re-used on other projects
Batteries 18650 Lithium 3.7v 3000mAh	2	£3.25	£6.50	ebay	Can be re-used on other projects
Battery Box - 2 x 18650	1	£2.35	£2.35	ebay	Can be re-used on other projects
Button Switch 6x6x5mm	1	£0.02	£0.02	ebay	Sunk cost
DC Power Plug	1	£0.29	£0.29	ebay	Can be re-used on other projects
DC Power Socket	1	£0.15	£0.15	ebay	Sunk cost
LED - Blue	5	£0.05	£0.25	ebay	Sunk cost
M3 x 30mm Nylon C-Sunk screws	2	£0.07	£0.14	RS Components	Can be re-used on other projects
MG90D Metal Gear Digital Servo	8	£4.65	£37.20	HobbyKing	Can be re-used on other projects
Micro 3.7g Mini Servo for aeromodelling	1	£2.17	£2.17	ebay	Sunk cost - soldered in
Pin Header Strips Female 1 x 40 (Qty = pins)	36	£0.28	£0.25	ebay	Can be re-used - cost per pin
Pin Header Strips Male 1 x 40 (Qty = pins)	48	£0.99	£1.19	ebay	Can be re-used - cost per pin
Resistors 1/4 W	9	£0.03	£0.24	RS Components	Sunk cost
VL53LOX TOF Laser module	1	£3.65	£3.65	ebay	Can be re-used on other projects
Battery Charger - 2 slot Lii-202 18650	1	£6.99	£6.99	ebay	Optional - Can be re-used on other projects
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost - estimate
1.75mm PLA Filament 1kg reel	0.25	£9.00	£2.25	ebay	Sunk cost - estimate
			<b>Total:</b>	<b>£69.50</b>	
			<b>Optional:</b>	<b>£6.99</b>	<b>Can be re-used on other projects</b>
			<b>Re-use:</b>	<b>£55.01</b>	<b>Can be re-used on other projects</b>
			<b>Sunk:</b>	<b>£7.50</b>	<b>Sunk cost</b>

**Notes:**

Prices are indicative. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc  
 Consumables like solder, flux, hook-up wire, etc are not included here, but are needed.  
 Hand tools, soldering iron, glue gun, etc are needed but not included in costs.  
 3-D printer is an estimate, but 1kg reel will do the job.