

Project:**Quadruped - Critter**

Issued: 29/07/2018

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
1N4006 Rectifier Diode 800V	9	£0.14	£1.26	ebay	Sunk cost
2mm x 10mm Steel Pozi Screws	60	£0.03	£1.56	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
IR Receiver VS1838B 38kHz	1	£0.41	£0.41	ebay	Sunk cost
LED - Blue	3	£0.05	£0.15	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
Pin Header Strips Female 1 x 40	30	£0.28	£0.21	ebay	Can be re-used - cost per pin
Pin Header Strips Male 1 x 40	28	£0.99	£0.69	ebay	Can be re-used - cost per pin
Resistors 1/4 W	5	£0.03	£0.14	RS Components	Sunk cost
Ribbon Cable N-ways	8	£0.06	£0.48	ebay	Sunk cost - cost per wire
Ultrasonic Sensor HC-SR04	1	£1.99	£1.99	ebay	Can be re-used on other projects
Universal TV IR Remote	1	£1.00	£1.00	Poundland	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
Total:			£67.13		
Optional:			£6.99		Can be re-used on other projects
Re-use:			£54.13		Can be re-used on other projects
Sunk:			£6.01		Sunk cost

Notes:

Prices are indicative. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc

Use of ribbon cable for wiring is an estimate

Consumables like solder, flux, hook-up wire, etc are not included here, but are needed.

3-D printer is an estimate, but 1kg reel will do the job.