

Project:

4x4 Autonomous Robot Car

11/06/2019

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
4WD Robot Smart Car Chassis	1	£10.99	£10.99	ebay	Can be re-used on other projects
Arduino MEGA 2560	1	£6.59	£6.59	ebay	Can be re-used on other projects
Batteries AA 2700mAh Rechargeable	6	£1.56	£9.36	Amazon	Can be re-used on other projects
Battery Box - 6 x AA	1	£0.99	£0.99	Amazon	Can be re-used on other projects
2.1mm DC Power Jack Socket	1	£0.18	£0.18	ebay	Sunk cost
HC-020K Photoelectric Encoder	2	£1.36	£2.72	ebay	Can be re-used on other projects
Infrared Sensor VS1838	1	£0.99	£0.99	ebay	Can be re-used on other projects
Signalex 10 in 1 TV Remote Control	1	£1.00	£1.00	Poundland	Can be re-used on other projects
4 x 4 16 Key Matrix Membrane Switch Keypad M1E6	1	£0.99	£0.99	ebay	Can be re-used on other projects
L298N DC Stepper Motor Dual H-Bridge Driver	1	£0.99	£0.99	ebay	Can be re-used on other projects
LED - Green	1	£0.02	£0.02	ebay	Sunk cost
LED - Red	1	£0.02	£0.02	ebay	Sunk cost
LED - Yellow	1	£0.02	£0.02	ebay	Sunk cost
2.1mm DC Power Plug	2	£0.29	£0.58	ebay	Can be re-used on other projects
Resistors 1/4 W	5	£0.03	£0.14	RS Components	Sunk cost
Ultrasonic Sensor HC-SR04	3	£0.99	£2.97	ebay	Can be re-used on other projects
Ribbon Cable N-ways	10	£0.05	£0.50	ebay	Sunk cost
3mm Hardboard	1	£1.50	£1.50	Local	Sunk cost
3mm nuts & bolts	8	£0.30	£2.40	Amazon	Can be re-used on other projects
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost
Unibond No More Nails Wood Glue	1	£1.00	£1.00	Wilko	Sunk cost
PVA Glue	1	£0.20	£0.20	Boys	Sunk cost
Total:			£44.45		
Re-use:			£40.57		Can be re-used on other projects
Sunk:			£3.88		Sunk cost

Note:

Unit prices quoted above are in some cases based on multiple purchase quantities.

Depending on how you choose to wire this project you may also need items like cable ties, heat shrink sleeving, etc