

Part	Quantity	Cost Per Part	Total Cost	Source
Wheels	2	\$15	30	_____
Motor	3	\$7	21	_____
Solenoid	1	\$10.00	10	_____
\$24 for solenoid is a lot/find replacement				
Battery	1	\$19.52	19.52	_____
Motor Driver	3	\$3	9	_____
Ramp	1	\$2	2	3D Print
Frame	1	\$10	10	3D Print
Door	1	\$3	5	3D Print
Line Detector	1	\$3.50	3.5	_____
12V supply, cheap ultrasonic sensors	1	\$10	\$10	_____
Color Detector	1	\$8.70	8.7	_____
Transmitter/Receiver	1	\$30	\$30	_____
MOSFET	1	\$1.28	\$1.28	_____
FUSE	1	\$0.54	\$0.54	_____
battery connector (XT-30)	1	\$10.00	\$10.00	_____
Crystal	1	\$0.20	\$0.20	_____
Linear regulator (5-3.3)	1	\$0.66	\$0.66	_____
capacitor for linear (1 uF)	3	\$0.10	\$0.30	_____
Switcher (12V-5V)	1	\$3.74	\$3.74	_____
2.2 uF Cap	5	\$0.10	\$0.50	_____
100 nF Cap	10	\$0.10	\$1.00	_____
20 pF Cap	5	\$0.10	\$0.50	_____
10 uF Cap	10	\$0.10	\$1.00	_____
Resistor, 100k	3	\$0.10	\$0.30	_____
resistor, 10k	10	\$0.10	\$1.00	_____
Resistor, 3.3k	3	\$0.10	\$0.30	_____
Resistor, 54.9k	5	\$0.10	\$0.50	_____
Resistor, 200m	5	\$0.30	\$1.50	_____
100 uF Cap	10	\$0.44	\$4.40	_____
Reset Switch	1	\$1.00	\$1.00	_____
Inductor, 10 mH	1	\$3.03	\$3.03	_____
Schottkey Diode	1	\$0.36	\$0.36	_____
LED	3	\$0.28	\$0.84	_____
3 pin header	4	\$1.63	\$6.52	_____
2 pin header	4	\$1.23	\$4.92	_____
4 pin header	4	\$1.80	\$7.20	_____
Grand Total	95		\$198.19	