

HARDWARE				
Component	Source	QTY	Price	Subtotal
2'x4' 1/8" Duron	PRL	1	\$6	\$6
6"x11" 1/4" Acrylic (Scrap Bin)	TAP Plastics	1	\$1	\$1
4-40 x 1/2" screws	Home Depot	1	\$1.05	\$1.05
4-40 x 3/4" screws	Home Depot	1	\$1.05	\$1.05
4-40 x 1" screws	Home Depot	2	\$1.05	\$2.1
1" hex standoffs	RM 36	12	\$0.05	\$0.6
1/2" hex standoffs	RM 36	4	\$0.05	\$0.2
3/4" hex standoffs	RM 36	8	\$0.05	\$0.4
M2 screws	SPDL	4	\$0.03	\$0.12
1/8"x 1' steel shaft	McMaster	1	\$6.5	\$6.5
Double sealed ball bearings	McMaster	4	\$3.12	\$12.48
3/8" metal ball castor	Pololu	2	\$2.99	\$5.98
2.875" x .8" Hex Mount Wheels	Bane Bots	2	\$5.3	\$10.6
ELECTRICAL				
Component	Source	QTY	Price	Subtotal
E128 + Protection Board	SPDL	1	Free	Free
FSR	SPDL	1	Free	Free
Batteries	SPDL	4	\$9.1	\$36.4
Battery Connectors	SPDL	4	\$2.2	\$8.8
DC motor	Pololu	1	\$5.75	\$5.75
Maxon motors	SPDL	2	Free	Free
Motor driver board	SPDL	2	\$5.5	\$11
SPDT push button roller switch	SPDL	7	\$1.35	\$9.45
IR phototransistors	Lab Kit	2	Free	Free
2N7000	Lab Kit	2	Free	Free
LM324	Lab Kit	1	Free	Free
LM339	Lab Kit	1	Free	Free
L293B	Lab Kit	1	Free	Free
7805 Voltage Regulator	SPDL	1	\$0.35	\$0.35
LM2940	SPDL	2	\$1.5	\$3
SPST toggle switch	Room 36	1	\$3	\$3
35 Ω resistor	SPDL	1	\$0.01	\$0.01
510 Ω resistor	SPDL	1	\$0.01	\$0.01
560 Ω resistor	SPDL	1	\$0.01	\$0.01
1K resistor	SPDL	10	\$0.01	\$0.1
2.7K Ω resistor	SPDL	2	\$0.01	\$0.02
33K Ω resistor	SPDL	2	\$0.01	\$0.02
46K Ω resistor	SPDL	1	\$0.01	\$0.01
47K Ω resistor	SPDL	1	\$0.01	\$0.01
100K Ω resistor	SPDL	4	\$0.01	\$0.04
200K Ω resistor	SPDL	2	\$0.01	\$0.02
0.1μF capacitor	SPDL	1	\$0.1	\$0.1
0.22μF capacitor	SPDL	1	\$0.1	\$0.1
0.47μF capacitor	SPDL	2	\$0.1	\$0.2
22μF capacitor	SPDL	2	\$0.1	\$0.2
Blue LED	SPDL	6	\$0.15	\$0.9
Red LED	Room 36	6	\$0.3	\$1.8
Diodes	Lab Kit	4	Free	Free
Heat sinks	SPDL	3	\$0.35	\$1.05
14-pin connector	SPDL	2	\$0.8	\$1.6
16-pin connector	SPDL	1	\$0.9	\$0.9
28-pin connector	SPDL	1	\$1.9	\$1.9
20-pin connector	SPDL	1	\$1.1	\$1.1
2 pin molex-female (LG)	SPDL	8	\$0.1	\$0.8
2 pin molex-male (LG)	SPDL	8	\$0.1	\$0.8
2 pin molex- female	SPDL	22	\$0.06	\$1.32
2 pin molex-male	SPDL	22	\$0.05	\$1.1
3 pin molex- female	SPDL	9	\$0.08	\$0.72
3 pin molex- male	SPDL	9	\$0.05	\$0.45
6 pin molex- female	SPDL	4	\$0.15	\$0.6
6 pin molex-male	SPDL	4	\$0.15	\$0.6
Large Protoboards	Room 36	3	\$2	\$6
Various jumper wires	Lab Kit	N/A	Free	Free
Small gage wire by the foot	SPDL	15	\$0.05	\$0.75
Lg gage wire by the foot	SPDL	4	\$0.1	\$0.4
<b>Total</b>				<b>\$149.47</b>