

	Part	Part Number	Description	Source	Quantity	Price	Total	Notes
Mechanical								
	Duron	-	1/8"	PRL	3	\$4.00	\$12.00	Price per 4x2' sheet
		-	1/4"	PRL	3	\$4.00	\$12.00	Price per 4x2' sheet
	Lift Fan	-	-	Lab Provided	1	\$0.00	\$0.00	
	Nylon Skirt	-	-	Joanne's	1	\$8.69	\$8.69	Price per yard
	Propeller Motors	ESP-100C	-	Aero/Micro	2	\$9.95	\$19.90	
	Propellers	APC LP08080E	-	Aero/Micro	2	\$2.59	\$5.18	
	Standoffs	-	4-40, 1/4" Length	PRL	4	\$0.20	\$0.80	
		-	4-40, 1/2" Length	218B Bot	8	\$0.00	\$0.00	
		91780A537	4-40, 1" Length	McMaster	8	\$0.66	\$5.28	
		91780A040	4-40, 2" Length	McMaster	8	\$0.56	\$4.48	
	Screw	-	4-40 (assorted length: 1/4", 3/8", 1/2", 3/4")	PRL	56	\$0.03	\$1.68	
		-	8-32, 1/2"	PRL	3	\$0.05	\$0.15	
	Nut	-	4-40	PRL & SPDL	56	\$0.03	\$1.68	
		-	8-32	PRL	3	\$0.05	\$0.15	
						Total	\$71.99	
Electrical								
	Servo	HS-322HD	-	218B Bot	1	\$0.00	\$0.00	
	Servo Horn	-	-	218B Bot	1	\$0.00	\$0.00	
	Servo Mount	-	-	218B Stash	1	\$0.00	\$0.00	
	Switch	-	Toggle, Dual Pole Dual Throw	218B Bot	3	\$0.00	\$0.00	
	Battery	-	7.2V NiCd	218B Bot/Amazon	2	\$11.94	\$23.88	2 additional batteries from Amazon
	Joystick	2082855	Dual-axis	Jameco	1	\$8.95	\$8.95	
	Accelerometer	282870	Dual-axis	Jameco	1	\$39.95	\$39.95	
	Potentiometer	-	Continuous, D-shaft	218B Stash	1	\$0.00	\$0.00	
	Button	COM-11972	Metal Pushbutton, Latching, 16mm, Blue	Sparkfun	2	\$4.95	\$9.90	
	Perf Board	-	Large, green	SPDL	1	\$1.40	\$1.40	
		-	Small, green	SPDL	2	\$0.43	\$0.86	
	Fuse	-	10A, 250 VAC	SPDL	1	\$0.45	\$0.45	
	Diode	-	Lift fan diodes	Lab Provided	2	\$0.00	\$0.00	
	Voltage Regulator	LM2596	DROK Step Down Variable Power Supply	218B Bot	1	\$0.00	\$0.00	
	Wire	-	Stranded, twisted	SPDL	5	\$0.10	\$0.50	Price per foot
		-	Stranded, single	PRL	2	\$0.10	\$0.20	Price per foot
	Wire harness wrap	-	-	Amazon	0.5	\$8.97	\$4.49	Price per 6 feet
	Sockets/Connectors	-	Male Headers	SPDL	0.5	\$0.40	\$0.20	Price per row
		-	Female Headers	SPDL	0.5	\$0.40	\$0.20	Price per row
		-	DIP Sockets	SPDL	2	\$0.40	\$0.80	
	Screwpost	-	-	218B Stash	2	\$0.00	\$0.00	
	Heatshrink	-	-	218B Stash	1	\$0.00	\$0.00	Price per foot
	LED	-	Team indication & game on lights	Lab Kit	3	\$0.00	\$0.00	

	MOSFET	IRLZ34N	NPN, Power	218B Stash	1	\$0.00	\$0.00	
	Comparator	LM339	-	218B Stash	1	\$0.00	\$0.00	
	Resistor	-	150	218B Stash	2	\$0.00	\$0.00	
		-	560	218B Stash	2	\$0.00	\$0.00	
		-	1K	218B Stash	6	\$0.00	\$0.00	
		-	3.9K	218B Stash	2	\$0.00	\$0.00	
		-	20K	218B Stash	2	\$0.00	\$0.00	
		-	27K	218B Stash	2	\$0.00	\$0.00	
		-	150K	218B Stash	2	\$0.00	\$0.00	
	Capacitor	-	Electrolytic, 100 uF	SPDL	2	\$0.10	\$0.20	
			Electrolytic, 220 uF	218B Stash	2	\$0.00	\$0.00	
		-	Tantulum, 1 uF	SPDL	10	\$0.10	\$1.00	
	TIVA	-	-	Lab Provided	1	\$0.00	\$0.00	
	PIC12F752	-	-	Lab Provided	1	\$0.00	\$0.00	
	PIC16F1788	-	-	Lab Provided	1	\$0.00	\$0.00	
						Total	\$92.98	
Motor Driver Pack								Sold as pack of components
	Capacitor	-	Electrolytic, 470 uF	218B Bot	2	\$0.00	\$0.00	
		-	Monolithic, 0.1 uF	218B Bot	2	\$0.00	\$0.00	
	H-Bridge	TLE-5206-2	-	218B Bot	2	\$0.00	\$0.00	
	Heat Sink	-	-	218B Bot	2	\$0.00	\$0.00	
	Screwpost	-	-	218B Bot	2	\$0.00	\$0.00	
	Molex connector & socke	-	-	218B Bot	4	\$0.00	\$0.00	
						Total	\$0.00	
XBEE Pack								Sold as pack of components
						Total	\$0.00	
Other								
	Ball Thrower + Ball	-	-	Amazon	1	\$9.59	\$9.59	
	Puppy Doll	-	-	Amazon	1	\$9.95	\$9.95	
	Fanny Pack	-	-	Amazon	1	\$8.00	\$8.00	
	Dog Collar	-	-	Amazon	1	\$3.31	\$3.31	
						Total	\$30.85	
						Grand Total	\$195.82	