

Bill of Materials

Item Name	Part No.	Source	QTY	Unit Price	Total Price
Body (ACV and CVC)					
Pink Foam, 2" thk \$.12/sqft		U.S. Foam	12	\$0.78	\$9.36
Glad Tupperware (set)		Safeway	1	\$5.00	\$5.00
Clear tubing		Ace Hardware	1	\$2.00	\$2.00
Foam bumper, 6ft		SPDL (Free)	1	\$0.00	\$0.00
Aircraft Plywood		Bruce Bower Lumber	1		\$0.00
Assorted fasteners		Ace Hardware	1	\$10.00	\$10.00
1/4" Acrylic		TAP Plastics	1	\$20.00	\$20.00
1/8" Acrylic		TAP Plastics	1	\$10.00	\$10.00
1/32" Plastic Sheet		Ace Hardware	1	\$1.00	\$1.00
Computer Fans		Fry's	2	\$10.00	\$20.00
Velcro		Ace Hardware	1	\$10.00	\$10.00
Total:					\$87.36

Drive Train

Propeller		J&M Hobby	2	\$2.00	\$4.00
Shaft		J&M Hobby	2	\$3.00	\$6.00
Brass Sheath		J&M Hobby	2	\$3.00	\$6.00
Shaft Coupler		J&M Hobby	2	\$9.00	\$18.00
Motor, 6V	Graupner 400	Home	2	\$8.00	\$16.00
Hose Clamps		Ace Hardware	2	\$2.00	\$4.00
Total:					\$54.00

Electronics

Batteries, NiCAD, 1500 mAh		SPDL (reused)	3	\$8.00	\$24.00
Fuses, 3A		SPDL (reused)	3	\$1.60	\$4.80
H-Bridge Kit	LMD18200	SPDL (reused)	2	\$8.00	\$16.00
V-Reg, 5V, 1A, low dropout	LM2940	SPDL	3	\$0.50	\$1.50
Ultrasonic Sensor		Radioshack	2	\$20.00	\$40.00
Mosfet	2N7000	SPDL	9	\$0.10	\$0.90
Power Mosfet	IRLZ34N	SPDL	2	\$0.75	\$1.50
Assorted resistors and caps		SPDL	1	\$3.00	\$3.00
Assorted Molex Connectors		SPDL	1	\$5.00	\$5.00
Screw Terminal		SPDL	3	\$0.50	\$1.50
Assorted wire		SPDL	1	\$5.00	\$5.00
Perfboards		SPDL	6	\$2.00	\$12.00
Small LEDs		SPDL	8	\$0.15	\$1.20
Bi-color 3-lead LEDs		DigiKey	5	\$0.60	\$3.00
Assorted IC Sockets		Microchip	8	\$0.50	\$4.00
PIC16F690		Microchip	5	\$2.08	\$10.40
Freescale HS12 E128		SPDL (Free)	1	\$0.00	\$0.00
Security Controller		SPDL (Free)	1	\$0.00	\$0.00
SPST Switch		Radioshack (Reused)	1	\$4.00	\$4.00
DPST Switch		Radioshack (Reused)	1	\$4.00	\$4.00
Xbee Module with board		SPDL (Free)	1	\$0.00	\$0.00
Limit Switch		Home	1	\$1.00	\$1.00
Total:					\$142.80

Project Total: \$284.16