

Subsystem	Part # / Description	Supplier	Quantity	Unit Cost	Total Cost
Electrical	Phototransistor	SPDL - Lab Kit	1	0	0
Electrical	MCP6294	SPDL - Lab Kit	1	0	0
Electrical	Various Resistors	SPDL	1	0	0
Electrical	Various Capacitors	SPDL	1	0	0
Electrical	LM339	SPDL - Lab Kit	1	0	0
Electrical	25 kg Electromagnet	Adafruit	1	19.95	19.95
Electrical	IRLZ34N	SPDL - Lab Kit	3	0	0
Electrical	IR Beam Break Sensors - 5mm	Adafruit	1	6.5	6.5
Electrical	Limit Switches	SPDL	4	1.3	5.2
Electrical	LTE9208 Driver	SPDL	2	9.5	19
Electrical	DC Motors	SPDL - Project Kit	2	0	0
Electrical	Accelerometer	SPDL - Project Kit	1	0	0
Electrical	LED RGB Strip	Cabinet of freedom	1	0	0
Electrical	Switch (Single Pole Single Throw)	Cabinet of freedom	2	0	0
Electrical	LM7805C	SPDL	2	1.25	2.5
Electrical	7.2 V NiCad Battery	SPDL - Project Kit	2	0	0
Electrical	SPUD	SPDL - Project Kit	1	0	0
Electrical	TIVA Microcontroller	SPDL - Project Kit	1	0	0
Electrical	TIVA Power Distribution Board	SPDL - Project Kit	1	0	0
Electrical	Assorted Wires	Room 36	20	0.1	2
Electrical	5A Fuse and Fuse Holder	SPDL	1	1.5	1.5
Electrical	Pololu Magnetic Encoders (set of 2)	SPDL	1	9	9
Electrical	14 Pin DIP Socket	Room 36	4	0.25	1
Electrical	Battery Connector	SPDL	2	2.6	5.2
Electrical	Assorted molex connectors	SPDL + Cabinet of freedom	1	5	5
Electrical	Barrel Jack	SPDL	1	0.9	0.9
Electrical	TIVA Pin Connectors	SPDL	2	0.25	0.5
Electrical	Assorted Crimps	SPDL	1	1	1
Electrical	Perfboard	Room 36	5	2	10
Mechanical	Assorted Hardware (Nuts, Bolts, Washers)	SPDL + Room 36	1	15	15
Mechanical	Wheels	Cabinet of freedom	2	0	0
Mechanical	Shaft Coupler	SPDL	2	4	8
Mechanical	Motor Mount - 36mm	ServoCity	2	6.99	13.98
Mechanical	Acrylic (Neon)	Room 36	2	3.5	7
Mechanical	3D Printed Plow	Room 36	1	17.28	17.28
Mechanical	3D Printed Encoder Mounts	Room 36	1	6.3	6.3
Mechanical	L Brackets	Ace Hardware	1	8	8
Mechanical	Duron (1/8 in)	Room 36	2	4	8
Misc	Singing Love Gram for Ed	Side by Side	1	10	10
Misc	Assorted Stickers	Personal Stock	1	0	0
				Total:	182.81