

2017 Prosthetic Arm Parts Price Breakdown

Item	Part #	Price	Qty	Cost	Source	Note
22 gauge 2 conductor solid wire	615196	\$0.04	15	\$0.60	Platt	\$0.04 per foot
Battery Holder - 4xAA to Barrel Jack Connector	PRT-09835	\$1.99	1	\$1.99	Sparkfun	Purchased with 20% Educator Discount
Breadboard	PRT-12002	\$3.96	1	\$3.96	Sparkfun	Purchased with 20% Educator Discount
H-Bridge Motor Driver 1A	COM-00315	\$1.88	1	\$1.88	Sparkfun	Purchased with 20% Educator Discount
High Torque Servo (Standard Size)	ROB-11965	\$10.36	1	\$10.36	Sparkfun	Purchased with 20% Educator Discount
Hobby Gearmotor - 200 RPM (Pair)	ROB-13302	\$3.16	1	\$3.16	Sparkfun	Purchased with 20% Educator Discount
Jumper Wires 7" (30pk)	PRT-11026	\$1.56	1	\$1.56	Sparkfun	Purchased with 20% Educator Discount
LED - Assorted Colors (20pk)	COM-12062	\$2.36	1	\$2.36	Sparkfun	Purchased with 20% Educator Discount
LED - RGB Clear Common Cathode	COM-00105	\$1.56	1	\$1.56	Sparkfun	Purchased with 20% Educator Discount
Momentary Pushbutton Switch - 12mm Square	COM-09190	\$0.40	2	\$0.80	Sparkfun	Purchased with 20% Educator Discount
Photocell	SEN-09088	\$1.20	1	\$1.20	Sparkfun	Purchased with 20% Educator Discount
Portable Charger	4208517	\$4.99	1	\$4.99	Bestbuy	Purchased for \$4.99 before price increase to \$7.99
Resistor 10K Ohm 1/6 Watt PTH (20pk)	COM-11508	\$0.76	1	\$0.76	Sparkfun	Purchased with 20% Educator Discount
Resistor 330 Ohm 1/6 Watt PTH (20pk)	COM-11507	\$0.76	1	\$0.76	Sparkfun	Purchased with 20% Educator Discount
Sparkfun RedBoard	DEV-12757	\$15.96	1	\$15.96	Sparkfun	Purchased with 20% Educator Discount
Temperature Sensor TMP36	SEN-10988	\$1.20	1	\$1.20	Sparkfun	Purchased with 20% Educator Discount
Trimpot 10k with Knob	COM-09806	\$0.76	1	\$0.76	Sparkfun	Purchased with 20% Educator Discount
USB Mini-B Cable (6 Foot)	CAB-11301	\$3.16	1	\$3.16	Sparkfun	Purchased with 20% Educator Discount
Velcro	90277B	\$17.97	0.025	\$0.45	Home Depot	Purchased 15 ft; Battery Holder, RedBoard, and Breadboard use 1.5in each
Wall Charger	4290021	\$4.99	1	\$4.99	Bestbuy	Purchased for \$4.99 before price increase to \$7.99
Total				\$62.46		