

## Bill of Materials

Section	Part Ref #	Qty.	Description	Part Number	Manufacturer	Link	Price
Electronics	A1	1	Arduino Nano V3.0 ATmega328P	8541582500	LAFVIN	<a href="#">Amazon</a>	\$6.66 (3:\$20)
	U1	1	MPU-6050 MPU6050 3 Axis Accelerometer Gyroscope Module	3-01-0122-AB	HiLetgo	<a href="#">Amazon</a>	\$3.33 (3:\$10)
	DFL1, DFR1	2	5mm Orange LED	ED_YW05_020	EDGELEC	<a href="#">Amazon</a>	\$0.07 (2:\$0.14)
	DRL1, DRR1	2	1W White LED Chip	B091C43HXV	LEDGUHON	<a href="#">Amazon</a>	\$0.32 (2:\$0.64)
	QL1, QR1	2	IRF 520N Mosfet	BJ-MOS10	BOJACK	<a href="#">Amazon</a>	\$0.38 (2:\$0.76)
	RBL1, RBR1, RFLEDS1, RML1, RMR1	4	10k Ohm Resistors	A-0004-C03	E-Projects	<a href="#">Amazon</a>	\$0.07 (4:\$0.24)
	RRL1, RRL2, RRR1, RRR2	4	150 Ohm Resistors	BJ-2W30V-300P	BOJACK	<a href="#">Amazon</a>	\$0.05 (4:\$0.20)
	SWL1, SWR1	2	Silicon rubber single key push button	N/A	Unbranded	<a href="#">Ebay</a>	\$0.18 (2:\$0.26)
	BTbarrel12v, BTusb5v	1	12V 3000mAh Battery	YB1203000-USB	TalentCell	<a href="#">Amazon</a>	\$28.79
	N/A	1	9-Inch Mini USB Cable	並行輸入品	Lemeng	<a href="#">Amazon</a>	\$4.99
	N/A	1	12v DC Power Jack Adapter	CECOMINOD021502	Ksmile	<a href="#">Amazon</a>	\$0.35
	N/A	1	User Controls PCB	N/A	OSH Park	N/A	\$1.55
Enclosure		1' 6"	3/8" Split Loom Tubing	SL3-8L50	GS Power	<a href="#">Amazon</a>	\$0.33 (50':\$10.99)
		20	M4 Machine Screws and Nuts	659499032933	DYWISHKEY	<a href="#">Amazon</a>	\$1.10 (200:\$10.99)
		44571	Project Foam Pad by Fairfield™, 24" x 72" x 1" Thick	A-P24721	Fairfield Processing Co.	<a href="#">Walmart</a>	\$1.84
		44571	VELCRO Brand ONE-WRAP Cable Ties	91234W	VELCRO	<a href="#">Walmart</a>	\$0.59
		1	IP65 Junction Box	lm201903081535_P	LMioEtool	<a href="#">Amazon</a>	\$12.59
		6	Waterproof Automotive Electrical Connectors	US-Jerry-Connector-372	Twippo	<a href="#">Amazon</a>	\$0.89 (6:\$5.34)