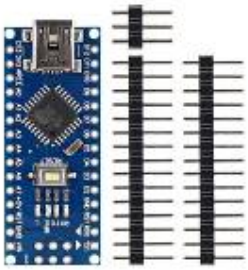
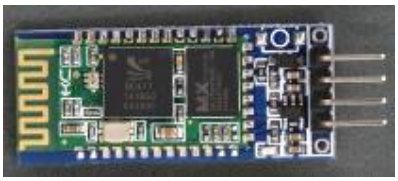
dropController V3 Parts List

	1 x Arduino Nano I prefer to buy boards that do not have the pins pre-soldered and then not connect the programming pins. 
	2 x 15 pin 2.54 single row female headers You can use the 40 pin version and cut to the required size. This means one end will be jagged though.
	1 x DC to DC step down power supply
	1 x HC-06 Bluetooth module Try to get the official HC version – has the HC logo screen printed on the board and a blue LED at the top left.
	1 x 5mm Yellow LED (3mm also OK)
	1 x 5mm Green LED (3mm also OK)
	1 x Barrel jack power socket There are different sizes. Get one that matches your power supply. 2 common sizes are Type A: 5.5 mm OD, 2.1 mm ID Type A: 5.5 mm OD, 2.5 mm ID

	6 x RCA-RCJ-04x - RCA/phone socket
	4 x PJ-307 - 3.5mm stereo socket
	5 x 4N25 (or 4N26) optocoupler I like the ones from Fairchild because they are white.
	5 x 6 PIN DIP Socket
	6 x IRL540N mosfet
	7 x 1N4007 diode
	7 x 330 Ohm resister 6 x 220 Ohm resister 6 x 10K Ohm resister 1 x 1K Ohm resistor 1 x 2K Ohm resister ¼ Watt is fine.

If you are making a perf-board version add the perf-board and some wire. Single core wire wrap wire is good for perf board prototypes. Use a thicker wire for the 12/24v VCC and 12/24v ground connections.