Below are the items I made use of for the build, I did not include the normal switches and buttons, wires. You will notice I did not make use of resistors as I uses the microprocessor’s internal pull-up resistor to handle noises from buttons press.

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| --- | --- | --- |
|  | Arduino Nano | <https://world.taobao.com/item/42296011350.htm?fromSite=main&spm=a312a.7700846.0.0.tO8EAg&_u=81p5mvl5c6fe> |
|  | 74HC595 2 Digits 7-Segment LED | <https://world.taobao.com/item/43447719493.htm?fromSite=main&spm=a312a.7700846.0.0.tO8EAg&_u=81p5mvl503c7> |
|  | 5V 10Amp Relay (to control pusher on/off) | <https://detail.tmall.com/item.htm?id=525509012478&toSite=main> |
| No picture | IRF3708 Mosfet and the IN5408 Diode (to control Flywheel DC motors on/off)  10k resistor and 100 ohm register |  |
|  | PWM controlled module (to control ROF) | <https://detail.tmall.com/item.htm?id=536770526104&toSite=main> |
|  | Voltage sensor module (to find current voltage of lipo to make calculation of ROF voltage) | <https://world.taobao.com/item/43100493066.htm?fromSite=main&spm=a312a.7700846.0.0.tO8EAg&_u=81p5mvl5a29b> |
|  | 104 Capacitor 104P 0.1UF 100NF 50V  (to filter electric noise produced by DC motors) | <https://detail.tmall.com/item.htm?id=41231794779&toSite=main> |
|  | DC to DC Buck converter (to convert voltage from 3s Lipo to 5V, for the 2 relays and the Arduino board) | <https://detail.tmall.com/item.htm?id=17616429123&toSite=main> |
|  | Rotary Encoder | <https://world.taobao.com/item/529477048471.htm?fromSite=main&spm=a312a.7700846.0.0.tO8EAg&_u=81p5mvl5c18c> |
|  | Headers Pin | <https://detail.tmall.com/item.htm?id=13321158484&toSite=main> |
|  | Headers Pin | <https://detail.tmall.com/item.htm?id=13700799942&toSite=main> |

There are more basic items such as pin connectors, etc.