

Drone Kit Component List

Sr. No.	Component	Specifications	Quantity	UoM
1	Drone PCB	Pre-manufactured PCB	1	Nos
2	ESP32	ESP32 Development Board 30 pins, micro USB type	1	Nos
3	Arduino nano	Arduino Nano, type C	1	Nos
4	Power connector- Type 1 & 2 pair (XT30 connectors)	XT30 connectors Type 1- XT30PW-M Type 2- XT30U-F	4	Pairs
5	Power connector- Type 3	XT60 connectors	1	Nos
6	Female pin header	HDR-F_2.54_1x40P	2	Nos
7	Male pin header	HDR-M_2.54_1x40P	1	Nos
8	CCW BLDC MOTOR	1400KV	2	Nos
9	CW BLDC MOTOR	1400KV	2	Nos
10	ESC		4	Nos
11	UBEC	BUCK Conveter	1	Nos
12	Nut and Bolt Pkt.	7 different components	1	Packate
13	MPU6050	MPU	1	Nos
14	Zip Ties	To tie for ESE	5	Nos
15	Type "C" Cable	NANO connection	1	Nos
16	Rubber Damper		4	Nos
17	Allen key		1	Nos
18	Screw driver "+"		1	Nos
19	Diode	1N4007	1	Nos
	Resister	16kΩ, 1/4W	1	Nos
	Resister	10kΩ, 1/4W	1	Nos
	Resister	330Ω	1	Nos
	LED	LED_TH-R_5mm	1	Nos
	Capacitor	100uF	1	Nos
	Capacitor	10uF	1	Nos
	Capacitor	0.1uF	5	Nos
20	Heat Sink tube 5mm		10 cm	Nos
21	Heat Sink tube 2mm		10 cm	Nos
23	Wires for connection	4(Red,Yellow,Green and White)	10cm	Nos

Joystick Component List (Inside Bigger Pouch)

Sr. No	Board/Component	Quantity
1	ESP32	1
2	OLED Display	1
3	LM1117	1
4	LM7805	1
5	Joystick	2
6	Switch	2
7	LED	2
8	Diode 1N40007	1
9	Female Berg Strip	3
10	Capacitors	
	0.1 uF	1
	0.22 uF	1
	47 uF	1
11	Resistors	
	330 Ω	3
	4.7 kΩ	1
	10 kΩ	1
12	USB Cable	1

Common Materials

1	Double Side tape	As per requirement	
2	Battery Strap	1	Nos
3	Battery Foam Sheet	1	Nos
4	Battery	1	Nos
5	Propeller	4	Nos
6	Battery Charger	1	Nos