

Component	Part Number	Quantity
Microcontroller	568-4945-ND	1
100k resistor	P100KFCT-ND	5
150 resistor	P150ECT-ND	2
1.5k resistor	P1.50KFCT-ND	1
20k resistor	P20.0KFCT-ND	1
10k resistor	P10.0KFCT-ND	2
2k resistor	P2.00KFCT-ND	1
1k resistor	P1.00KFCT-ND	1
33 resistor	P33.0FCT-ND	2
15 1W resistor	15DLCT-ND	2
10 1W resistor	10WCT-ND	6
10uF capacitor	1276-1075-1-ND	5
0.1uf capacitor	1276-1017-1-ND	5
16pF capacitor	1276-2809-1-ND	2
220uF capacitor	493-5904-1-ND	4
12MHz crystal	644-1047-1-ND	1
Tact Switch	P12940SCT-ND	2
USB Mini B	ED2992CT-ND	1
LED (USB, PWR Indicator)	754-1141-1-ND	2
Schottiky Diode Array	497-3786-1-ND	1
3.3V Regulator	LM1117IMPX-3.3/NOPBCT-ND	1
PNP Transistor	MMBT2907A-TPMSCT-ND	1
IC Supervisor 3.15V	MCP130T-315I/TTCT-ND	1
PCB		1
N-Channel MOSFET	FQP50N06L-ND	4
1W Power LED	4W RGBW	2
Wifi Module	ESP8266	1
Female Headers 4 pin		2
Female Headers 40 pin		1
Barrel Jack	EJ508A-ND	1
DC Supply	2.5A	1

