

Comment	Description	Designator	Footprint	LibRef	Quantity
ANT U.FL	Antenna	ANT1, ANT2	U.FL SMD	ANT U.FL	2
BUTTON	PUSH BUTTON	B1, B2	PUSH BUTTON SMD	PUSH BUTTON RIGHT	2
Button	PUSH BUTTON	B3	PUSH BUTTON 4 PIN SMD 5	PUSH BUTTON 4 PIN	1
Battery		BAT	Bat	Battery	1
100nf	Capacitor	C1, C3, C5, C6, C7, C12	CAP0805	CAP SMD	6
10uf	Capacitor	C2, C4	CAP0805	CAP SMD	2
Capacitor Tantalum SMD	Capacitor Tantalum SMD	C8, C9	Tan 1206 (3216X18L) Size A	Capacitor Tantalum SMD	2
10uf	Capacitor	C10, C11	CAP 1206 (3216X15L)	CAP SMD	2
LED	LED	CHG, I, II, III, IIII, STD	L0805	LED	6
LED RGB WS2812	LED	D1	LED 5050 WS2812B	LED RGB WS2812	1
TP4056	Complete single cell Li-Ion battery with a constant current / constant voltage linear charger	IC1	SOP-8	TP4056	1
TYPE-C-31-M-12	USB Connectors 24 Receptacle 1 8.94*7.3mm RoHS	J1	HRO_TYPE-C-31-M-12	TYPE-C-31-M-12	1
SMA	SMA Connector Jack, Female Socket 50Ohm Board Edge, End Launch Solder	J2, J3	SAMTEC_SMA-J-P-H-ST-EM1	SMA-J-P-H-ST-EM1	2
Header 5H	Header, 5-Pin, Right Angle	P1	HDR1X5H	Header 5H	1
S8050	Bipolar (BJT) Transistor NPN 25 V 500 mA 150MHz 300 mW Surface Mount SOT-23	Q1, Q2	SOT-23	SMD-TRANSISTORS-NPN-25V-500MW(SOT-23)	2
4.7k	RESISTOR	R1, R3	RES 0805	RES	2
470	RESISTOR	R2	RES 0805	RES	1
12k	RESISTOR	R4, R5	RES 0805	RES	2
5.1k	RESISTOR	R6, R7	RES 0805	RES	2
1k	RESISTOR	R8, R9, R10, R11, R12, R13, R14, R15, R16	RES 0805	RES	9
SlideSwitch	SWITCH, SLIDE, SPDT, SMD	SW1	SWSLIDT_SPDT_MS S3	SWSLIDT_SPDT_MS S3	1
ESP32-WROOM-32U	Bluetooth, WiFi 802.11b/g/n, Bluetooth v4.2 +EDR, Class 1, 2 and 3 Transceiver Module 2.4GHz ~ 2.5GHz Antenna Not Included, U.FL Surface Mount	U1	XCVR_ESP32-WROOM-32U	ESP32-WROOM-32U	1
CP2102	USB Bridge, USB to UART USB 2.0 UART Interface 28-QFN _5x5_	U2	QFN28G_0.5-5X5MM	INTERFACE-CP2102-GMR(QFN28)	1
LF33	3.3V VOLTAGE REGULATOR	U3	D-PACK	LF33	1
NRF24L01_MS	2.4GHz Transceiver MODULE, SMD	U4, U5	NRF24L01_ANTEN	NRF24L01_MS	2