

Comment	Description	Designator	Footprint	LibRef	Quantity
ANT U.FL	Antenna	ANT1, ANT2, ANT3	U.FL SMD	ANT U.FL	3
BUTTON	PUSH BUTTON	B1, B2	PUSH BUTTON SMD	PUSH BUTTON RIGHT	2
Button	PUSH BUTTON	B3, B4, B5, B6, B7	PUSH BUTTON 4 PIN SMD 5	PUSH BUTTON 4 PIN	5
Battery		Battery	Bat	Battery	1
100nf	Capacitor	C1, C3, C5, C6, C7, C12, C15, C16	CAP0805	CAP SMD	8
10uf	Capacitor	C2, C4, C13, C14	CAP0805	CAP SMD	4
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
2.2uf	Capacitor	C17, C19	CAP0805	CAP SMD	2
1uf	Capacitor	C18, C20	CAP0805	CAP SMD	2
LED	LED	CHRG, STD1, STD2, STDY	L0805	LED	4
LED RGB WS2812	LED	D1	LED 5050 WS2812B	LED RGB WS2812	1
Comment		Designator56	LOGO USB1		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 500hm Board Edge, End Launch Solder	J2, J3, J4	SAMTEC_SMA-J-P-H-ST-EM1	SMA-J-P-H-ST-EM1	3
Header 3X2	Header, 3-Pin, Dual row	P1	HDR2X3	Header 3X2	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
1k	RESISTOR	R6, R9, R10, R11, R12	RES 0805	RES	5
5.1k	RESISTOR	R7, R8	RES 0805	RES	2
10k	RESISTOR	R13	RES 0805 (2012X06L)	RES	1
1k	RESISTOR	R14	RES 0805 (2012X06L)	RES	1
390k	RESISTOR	R15	RES 0805 (2012X06L)	RES	1
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
OLED_0.96IN_WHITE	OLED, 0.96", Monochrome white, SSD1306	U4	OLED_0.96IN_WHITE_SSD1306	OLED_0.96IN_WHITE_SSD1306	1
NRF24L01	2.4GHz Transceiver MODULE, SMD	U5, U6, U7	NRF24L01_GT24MINI_MS	NRF24L01_GT24MINI_MS	3