

Designator	Comment	Description	Quantity
BT1	BATTERY_LI_ION	Battery 900mAh	1
C1, C5, C7, C12, C14, C16, C18, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30	100nF	Capacitor 0603	17
C2, C6, C8, C13	1uF	Capacitor 0603	4
C19, C20	1uF	Capacitor 0603	2(not mounted)
C3, C4	10pF	Capacitor 0603	2
C9, C10, C11, C15, C17	10uF	Capacitor 0603	5
CON1	SWD	Header, 3-Pin, Dual row	1
CON2	Battery Connector	Header, 2-Pin	1
D1	4148	DIODE	1
J1	USB_C_16_PIN	USB-C	1
L1	EMI 300R/100MHz	EMI filter	1
L2	2.2uH	Inductor	1
L3	2.7uH	Inductor	1
LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10	SK6805-1515	LED SK6805	10
LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18	LED_RGB	LED RGB	8
M1, M2, M3, M4	M2_5		4
Q1, Q3, Q4, Q5, Q6, Q7	BSS138W	N-MOSFET	6
Q2	SI1555DL	N-MOS/P-MOS	1
R1, R2, R6, R12, R19, R32, R39	330k	Resistor 0603	7
R3	33k	Resistor 0603	1
R4	2k	Resistor 0603	1
R5	100R	Resistor 0603	1
R7	47k	Resistor 0603	1
R8	1M	Resistor 0603	1
R9	732k	Resistor 0603	1
R10, R11	100k	Resistor 0603	2
R13, R14, R15, R16, R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38	1k	Resistor 0603	24
R40, R41, R42, R43	4k7	Resistor 0603	4
S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	SWITCH	Kailh switch	10
U1	BL654_Rev3.0	802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount	1
U2	BUZZER		1
U3	LIS2DH12	3-axis - ±2g/±4g/±8g/±16g digital output ferro accelerometer	1
U4	STC4054	Li-on 800mA linear battery charger	1
U5	TPS62742DSS	Step Down Converter For Low Power Applications	1
U6	MAX17048G	1-Cell/2-Cell Fuel Gauge with ModelGauge	1
U7	TPS61023DRLR	3.7-A Boost Converter with 0.5-V Ultra-low Input Voltage	1
U8	XC6215B332MR	Low Power Voltage Regulator with ON/OFF Switch	1(not mounted)
U9	IPS_1_47_172x320_ screen	IPS DISPLAY 172X320	1
Y1	32768Hz	Crystal	1