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)
			2(1101 1110411104)
C3, C4	10pF	Capacitor 0603	2
C9, C10, C11, C15,	10uF	Capacitor 0603	5
C17	Tour	Capacitor 0003	3
		Header, 3-Pin, Dual	
CON1	SWD	row	1
CON2	Battery Connector	Header, 2-Pin	1
D1	4148	DIODE	1
J1	USB_C_16_PIN	USB-C	1
	EMI 300R/100MHz		1
<u>L1</u>		EMI filter	
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,	BSS138W	N-MOSFET	6
Q7	B55136W	N-MOSFET	О
Q2	Si1555DL	N-MOS/P-MOS	1
	SHOODE	14-1010-3/1 -1010-3	
R1, R2, R6, R12,	330k	Resistor 0603	7
R19, R32, R39			
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	
D12 D14 D15 D16			
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
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38	1k 4k7	Resistor 0603	24
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5,	4k7	Resistor 0603	4
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38		Resistor 0603 Kailh switch	
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5,	4k7	Resistor 0603	4
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	4k7 SWITCH BL654_Rev3.0	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace	4 10
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	4k7 SWITCH	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace	4 10 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	4k7 SWITCH BL654_Rev3.0 BUZZER	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.46Hz Integrated, Trace Surface Mount 3-axis - ±2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger	1 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 U1	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.43Hz Integrated, Trace Surface Mount 3-axis - ±2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications	1 1 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12 STC4054	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount 3-axis - ±2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications 1-Cell/2-Cell Fuel Gauge with Model(Gauge	1 1 1 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 U1 U2 U3 U4 U5	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12 STC4054 TPS62742DSS	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount 3-axis -2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications 1-Cell/2-Cell Fuel Gauge with	1 1 1 1 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 U1 U2 U3 U4 U5 U6	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12 STC4054 TPS62742DSS MAX17048G TPS61023DRLR XC6215B332MR	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount 3-axis -2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications 1-Cell/2-Cell Fuel Gauge with ModelGauge 3.7-A Boost Converter with 0.5-V Ultra-low Input Voltage Regulator with ON/OFF Switch	1 1 1 1 1 1
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 U1 U2 U3 U4 U5 U6 U7 U8	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12 STC4054 TPS62742DSS MAX17048G TPS61023DRLR	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount 3-axis - 22/944/9.8g/416g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications 1-Cell/2-Cell Fuel Gauge with ModelGauge 3.7-A Boost Converter with 0.5-V Ultra-low Input Voltage Low Power Voltage Regulator with	4 10 1 1 1 1 1 1 1 1 1 1 1 (not mounted)
R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35, R36, R37, R38 R40, R41, R42, R43 S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 U1 U2 U3 U4 U5 U6 U7	4k7 SWITCH BL654_Rev3.0 BUZZER LIS2DH12 STC4054 TPS62742DSS MAX17048G TPS61023DRLR XC6215B332MR	Resistor 0603 Kailh switch 802.15.4, Bluetooth Bluetooth v5.0, Thread Transceiver Module 2.4GHz Integrated, Trace Surface Mount 3-axis -2g/±4g/±8g/±16g digital output femto accelerometer Li-on 800mA linear battery charger Step Down Converter For Low Power Applications 1-Cell/2-Cell Fuel Gauge with ModelGauge 3.7-A Boost Converter with 0.5-V Ultra-low Input Voltage Regulator with ON/OFF Switch	1 1 1 1 1 1 1 1 1