Collated Components:

Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet	DNP
1	1	BT1	Li-ION	Device:Battery_Cell	INSA:Battery-14500	~	
2	2	C1, C4	10nF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
3	1	C2	68nF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
4	1	C3	100µF	Device:C	Capacitor_SMD:C_1210_3225Metric	~	
5	1	C5	2,20µF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
6	2	C6, C11	10µF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
7	4	C7, C12, C13, C22	1µF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
8	1	C8	650pF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
9	1	C9	100pF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
10	1	C10	10µF	Device:C	Capacitor_SMD:C_1210_3225Metric	~	
11	2	C14, C15	470nF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
12	4	C16, C17, C18, C19	100nF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
13	1	C21	1nF	Device:C	Capacitor_SMD:C_0805_2012Metric	~	
14	1	D1	PMEG2020CPA	Device:D_Dual_CommonCathode_AAK_Parallel	INSA:Nexperia_SOT-1061	~	
15	1	D2	FM5818-W	Device:D_Schottky	Diode_SMD:D_SMA	~	
16	3	H1, H2, H3	MountingHole	Mechanical:MountingHole	MountingHole:MountingHole_3.2mm_M~		
17	2	J1, J2	Conn_02x03_Odd_Even	Connector_Generic:Conn_02x03_Odd_Even	Connector_IDC:IDC-Header_2x03_P2.54m~		
18	1	J3	Conn_02x05_Odd_Even	Connector_Generic:Conn_02x05_Odd_Even	Connector_PinHeader_1.27mm:PinHead~		
19	1	J4	TE 1-84982-0	Connector_Generic:Conn_01x10	INSA:TE 1-84982-0	~	
20	1	L1	10µH	Device:L	Inductor_SMD:L_Bourns_SRP7028A_7.3x~		
21	1	L2	5,6µH	Device:L	Inductor_SMD:L_1812_4532Metric	~	
22	2	M1, M2	Motor	Insa:Motor	INSA:Motor Pololu HPCB with encoder		
23	1	P1	USB_C_Plug_GCT_USB4125	Insa:USB_C_Plug_GCT_USB4125	INSA:USB_C_Receptacle_GCT_USB4125	https://www.usb.org/sites/default/files/documents/usb_type-c.zip	
24	2	Q1, Q2	PMN52XP	Insa:PMN52XP	Package_SO:TSOP-6_1.65x3.05mm_P0.95~		
25	8	R1, R2, R4, R20, R24, R27, R28, R29	100K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
26	5	R3, R5, R7, R17, R18	1K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
27	2	R6, R26	10K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
28	1	R8	47K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
29	1	R9	470	Device:R	Resistor_SMD:R_0805_2012Metric	~	
30	1	R10	40,2K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
31	1	R11	13,3K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
32	2	R12, R14	15K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
33	1	R13	300	Device:R	Resistor_SMD:R_0805_2012Metric	~	
34	1	R19	150K	Device:R	Resistor_SMD:R_0805_2012Metric	~	
35	1	R25	10R	Device:R	Resistor_SMD:R_0805_2012Metric	~	
36	1	SW1	SW_Push	Switch:SW_Push	Button_Switch_SMD:Panasonic_EVQPUJ_	~	
37	1	U1	XBEE-3	Insa:XBEE-3	INSA:XBEE-3-TH		
38	1	U2	STM32F071CBTx	MCU_ST_STM32F0:STM32F071CBTx	Package_QFP:LQFP-48_7x7mm_P0.5mm	http://www.st.com/st-web-ui/static/active/en/resource/technical/document/datasheet/DM00098745.pdf	
39	1	U3	LTC2954-2	Insa:LTC2954-2	Package_TO_SOT_SMD:SOT-23-8		
40	1	U4	L6924U	Insa:L6924U	INSA:L6924UTR		
41	1	U5	LM2731XMF	Regulator_Switching:LM2731XMF	Package_TO_SOT_SMD:SOT-23-5	http://www.ti.com/lit/ds/symlink/lm2731.pdf	
42	1	U6	AP2206	Regulator_Linear:TC1186	Package_TO_SOT_SMD:SOT-23-5	http://ww1.microchip.com/downloads/en/DeviceDoc/21350E.pdf	
43	1	U7	A3909	Insa:A3909	Package_SO:SSOP-10_3.9x4.9mm_P1.00mm		