

1

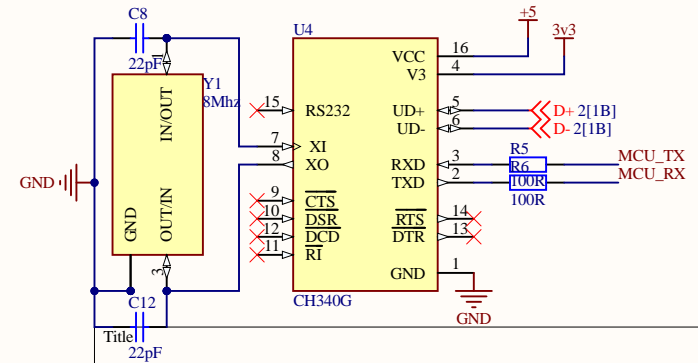
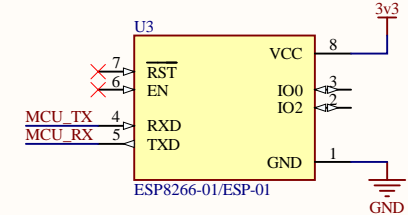
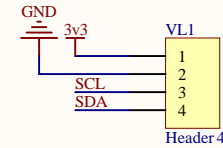
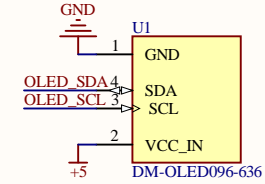
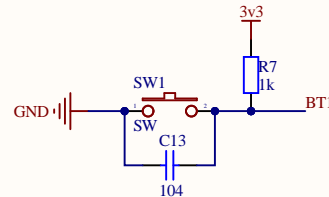
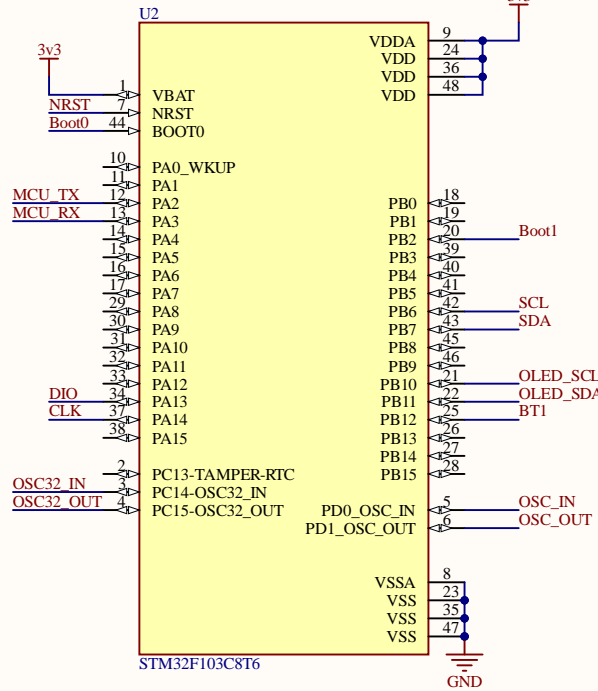
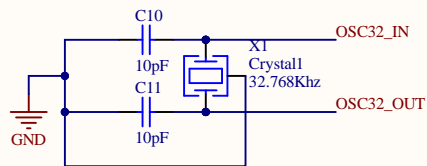
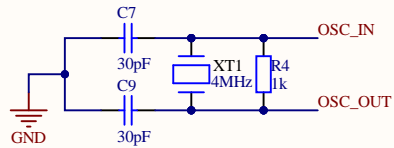
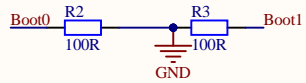
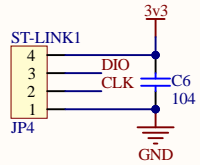
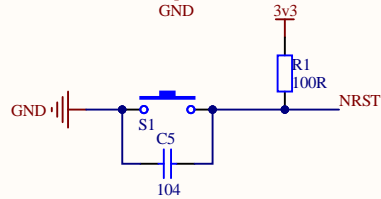
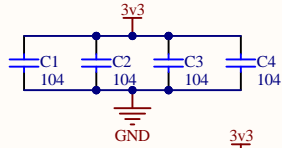
2

3

4

3v3
+5

2[3C]
2[4C]



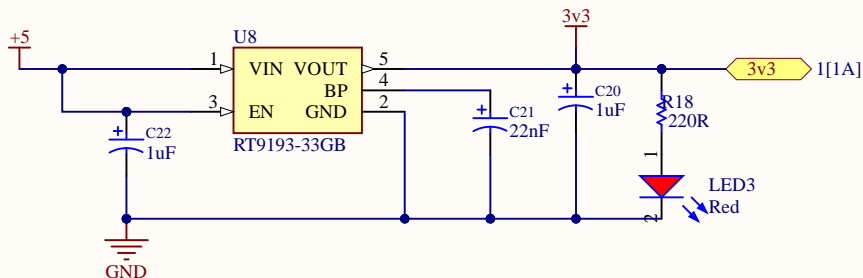
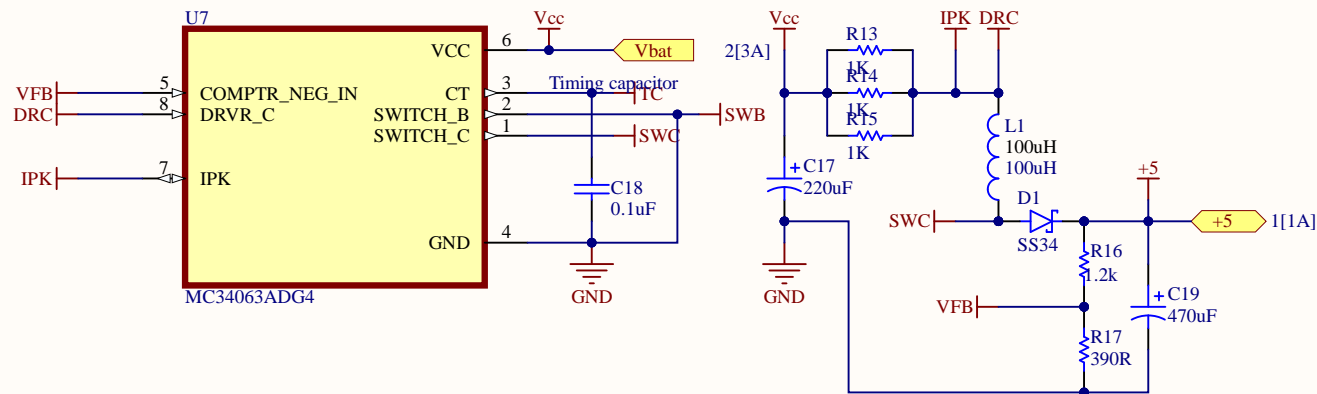
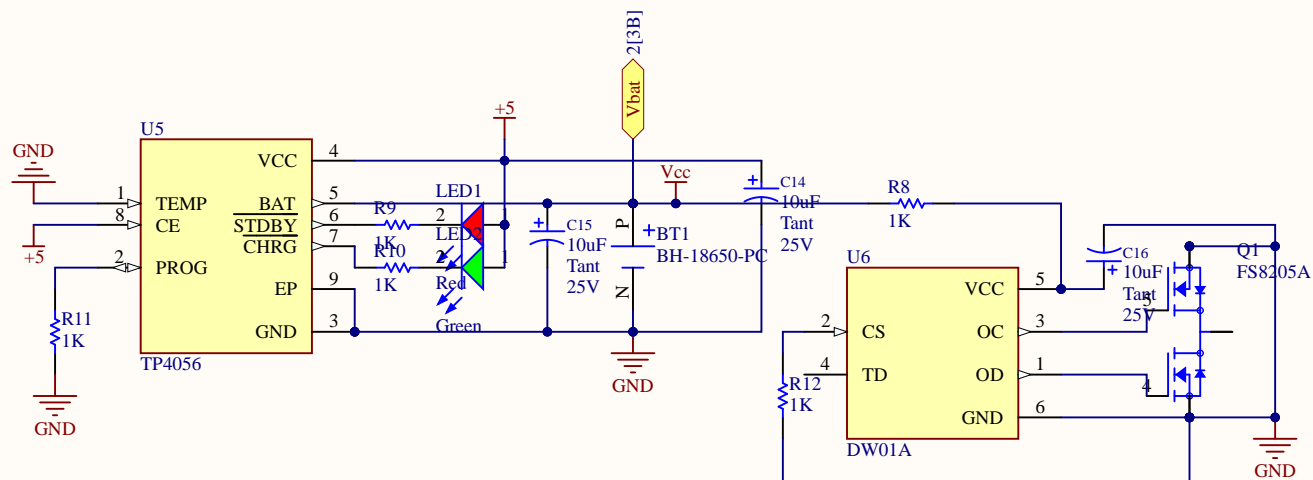
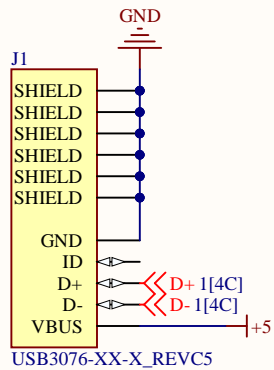
Size	Number	Revision
A4		
Date:	11/16/2024	Sheet of
File:	C:\Users\...\doan2.SchDoc	Drawn By:

1

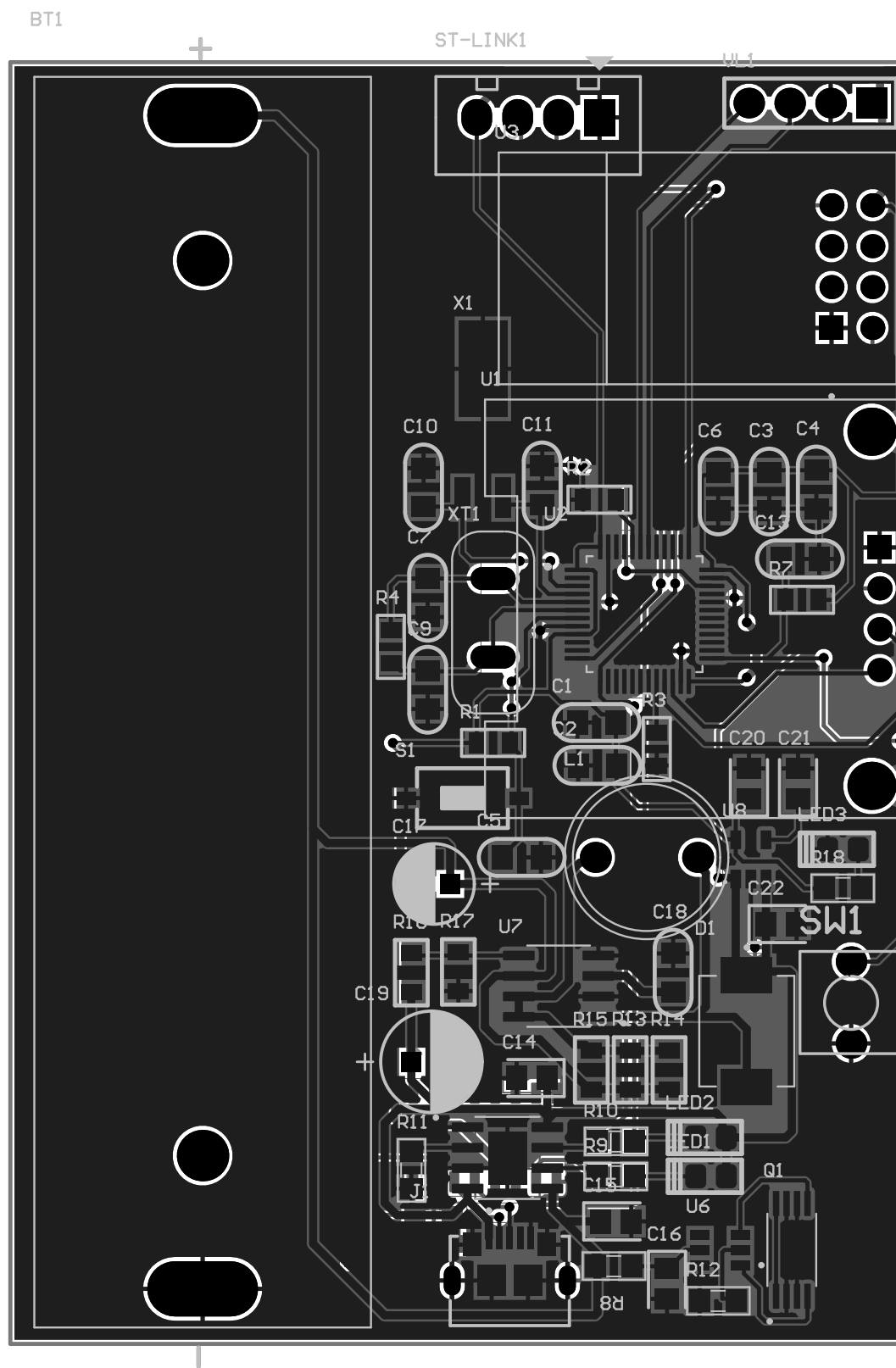
2

3

4



Title		
Size	Number	Revision
A		
Date:	11/16/2024	Sheet of
File:	C:\Users\...\Power_supply.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
BH-18650-PC	Battery Holder _Open_ 18650 1 Cell PC Pin	BT1	BAT_BH-18650-PC	BH-18650-PC	1
Cap Non-pol	Non-polarized Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C18	C-NP-0805	Cap Non-pol	14
10uF	Polarized Capacitor	C14, C15, C16	C2012-0805	Cap_Pol	3
Cap Pol	Polarized Capacitor	C17	RADIALB	Cap Pol	1
Cap Pol	Polarized Capacitor	C19	RADIALC	Cap Pol	1
1uF	Polarized Capacitor	C20, C22	C2012-0805	Cap_Pol	2
22nF	Polarized Capacitor	C21	C2012-0805	Cap_Pol	1
SS34	Diode Schottky 40 V 3A Surface Mount SMC (DO-214AB)	D1	DIOM7959X265N	SS34	1
USB3076-XX-X_REV05	USB - micro B USB 2.0 Receptacle Connector 5 Position Surface Mount, Right Angle; Through Hole, 2.35mm profile, 5 Pins, Horizontal, Bottom mount	J1	GCT_USB3076-XX-X_REV05	USB3076-XX-X_REV05	1
100uH	Cuon Cam L	L1	IMPE8-RS2	Inductor_1	1
LED-0805RVC	LED Red 2mA 1.8V 0805	LED1, LED3	Led 0805R	LED-0805RVC	2
LED-0805GVC	LED Green 2mA 3V 0805	LED2	Led 0805G	LED-0805GVC	1
FS8205A	N/A	Q1	SOP65P640X120-8N	FS8205A	1
RES_SMD_0805	RES_0805	R1, R2, R3, R4, R5, R6, R7	DIEN TRO 0805	RES_SMD_0805	7
RESISTOR SMD	Resistor	R8, R9, R10, R11, R12, R18	RES-SM-0805	RESISTOR SMD	6
RESISTOR	Resistor	R13, R14, R15, R16, R17	R-0805	RESISTOR	5
SW-SMD	Switch	S1	SW-SMD	SW-SMD	1
JP4	Connector 4	ST-LINK1	CON4	Con4	1
SW	Switch button 2 pin	SW1	SW2	SW2	1
DM-OLED096-636	0.96in 128 X 64 MONOCHROME GRAPHIC OLED DISPLAY MODULE - 12C	U1	MODULE_DM-OLED096-636	DM-OLED096-636	1
STM32F103C8T6	ARM®Cortex®M3 STM32F1 Microcontroller IC 32-Bit 72MHz 64KB (64Kx8) FLASH 48-LQFP (7x7)	U2	QFP50P900X900X160-48N	STM32F103C8T6	1
ESP8266-01/ESP-01	MakerFocus 4pcs ESP8266 ESP-01 Serial Wireless WiFi Transceiver Receiver Module 1MB SPI Flash DC3.0-3.6V Internet of Things WiFi Module Board Compatible with Arduino	U3	XCVR_ESP8266-01/ESP-01	ESP8266-01/ESP-01	1
CH340G	USB Interface Integrated Circuit	U4	SOIC127P600X180-16N	CH340G	1
TP4056	Complete single cell Li-Ion battery with a constant current / constant voltage linear charger	U5	SOP127P600X175-9N	TP4056	1
DW01A	One Cell Lithium-Ion/Polymer Battery Protection IC	U6	SOT95P280X145-6N	DW01A	1
MC34063ADG4		U7	SOIC127P599X175-8N	MC34063ADG4	1
RT9193-33GB	Linear Voltage Regulator IC Positive Fixed 1 Output 300mA TSOT-23-5	U8	SOT94P279X129-5N	RT9193-33GB	1
Header 4	Header, 4-Pin	VL1	Header 4	Header 4	1
Crystal1	Tuning Fork Crystal Units (SMD-Cylinder Type)	X1	Crystal cylinder	Crystal1	1
Crystal2	Quarz Crystal	XT1	Crystal.HC49/USxx	Crystal2	1
8MHz		Y1	XTAL_ECS-250-6-33B2-CTIN-TR3	ECS-250-6-33B2-CTIN-TR3	1