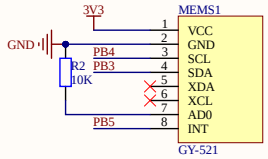
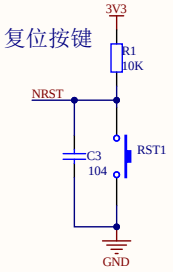
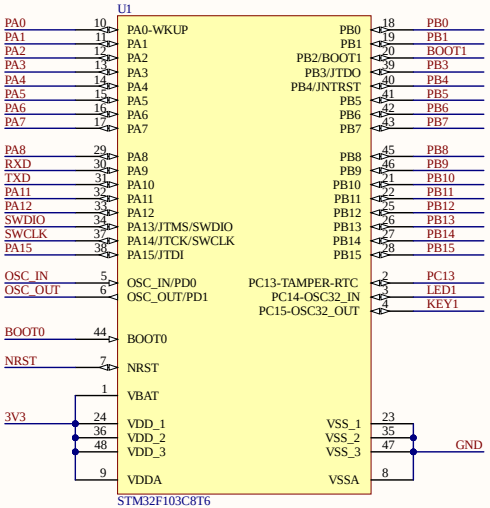
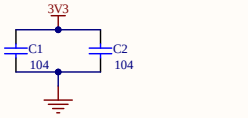
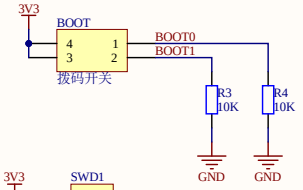
陀螺仪

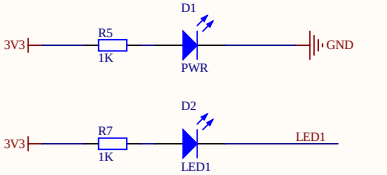

3V3
GND
R2
10K
PB4
PB3
PB5
MEMS1
VCC
GND
SCL
SDA
XDA
XCL
AD0
INT
GY-521

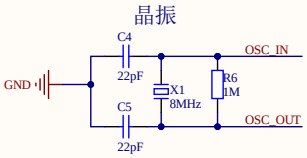

复位按键
3V3
R1
10K
NRST
C3
104
RST1
GND

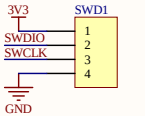

U1
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
RXD
TXD
PA11
PA12
SWDIO
SWCLK
PA15
OSC_IN
OSC_OUT
BOOT0
NRST
VBAT
3V3
VDD_1
VDD_2
VDD_3
VDDA
PA0-WKUP
PB0
PB1
PB2/BOOT1
PB3/JTDO
PB4/JNTRST
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
VSS_1
VSS_2
VSS_3
VSSA
GND
BOOT0
BOOT1
LED1
KEY1
STM32F103C8T6

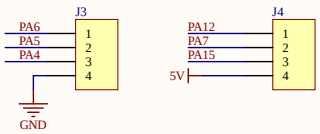

3V3
C1
104
C2
104

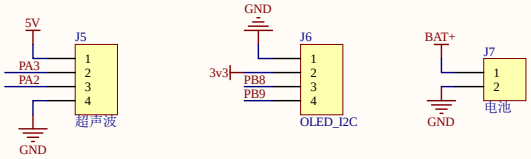

3V3
BOOT
拨码开关
BOOT0
BOOT1
R3
10K
R4
10K
GND
GND

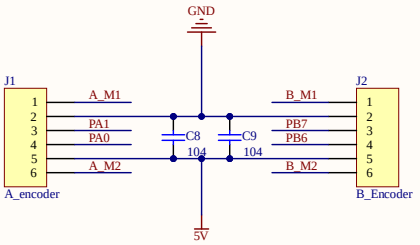

D1
3V3
R5
1K
PWR
GND
D2
R7
1K
LED1
LED1
C6
104
R8
10K
KEY1
K1
KEY
GND
C7
104
BAT+
R9
10K
PB0
R10
1K
GND

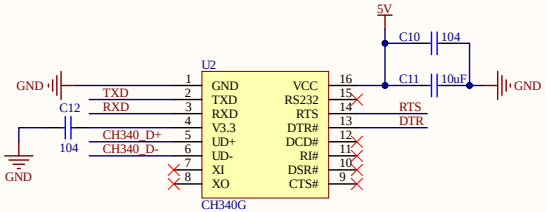

晶振
C4
22pF
OSC_IN
GND
X1
8MHz
R6
1M
C5
22pF
OSC_OUT

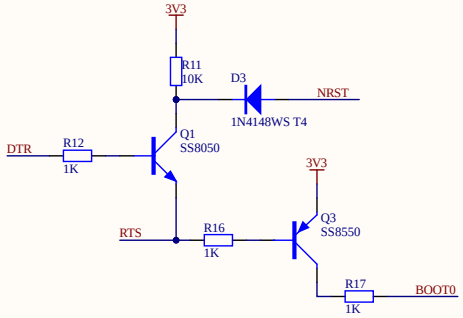

3V3
SWD1
SWDIO
SWCLK
GND

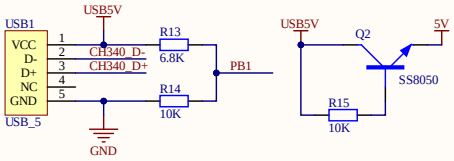

J3
PA6
PA5
PA4
GND
J4
PA12
PA7
PA15
5V

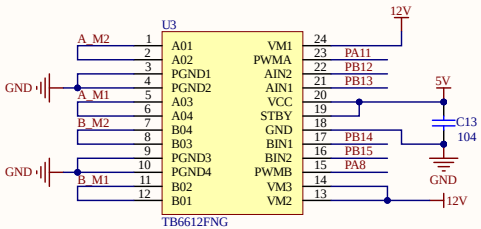

5V
J5
PA3
PA2
超声波
GND
GND
J6
3v3
PB8
PB9
OLED_I2C
BAT+
J7
电池
GND

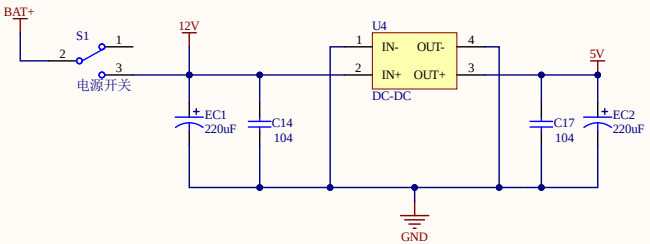

GND
J1
A_M1
PA1
PA0
A_M2
A_encoder
C8
104
C9
104
B_M1
PB7
PB6
B_M2
J2
B_Encoder
5V

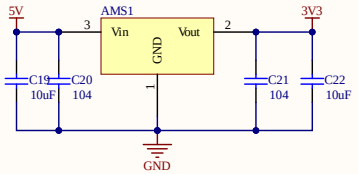

5V
C10
104
C11
10uF
GND
U2
GND
TXD
RXD
V3.3
UD+
UD-
XI
XO
VCC
RS232
RTS
DTR#
DCD#
RI#
DSR#
CTS#
RTS
DTR
CH340_D+
CH340_D-
C12
104
GND
CH340G

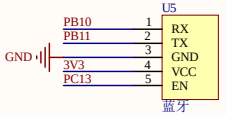

3V3
R11
10K
D3
NRST
1N4148WS T4
Q1
SS8050
DTR
R12
1K
RTS
R16
1K
3V3
Q3
SS8550
R17
1K
BOOT0

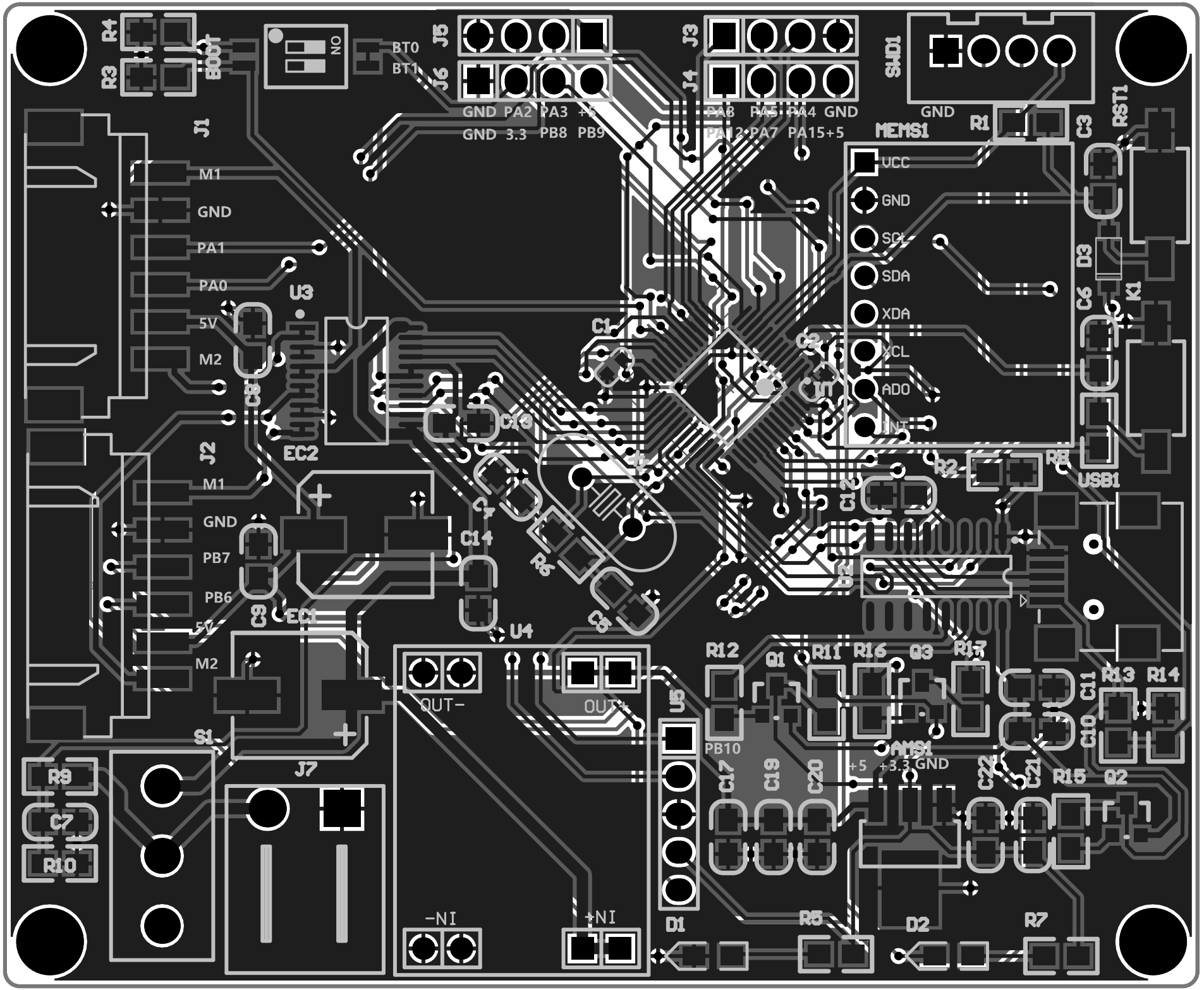

USB1
USB5V
VCC
D-
D+
NC
GND
USB_5
CH340_D-
CH340_D+
R13
6.8K
R14
10K
PB1
GND
USB5V
Q2
5V
SS8050
R15
10K


12V
U3
A_M2
A_M1
B_M2
B_M1
GND
GND
A01
A02
PGND1
PGND2
A03
A04
B04
B03
PGND3
PGND4
B02
B01
VM1
PWMA
AIN2
AIN1
VCC
STBY
GND
BIN1
BIN2
PWMB
VM3
VM2
PA11
PB12
PB13
PB14
PB15
PA8
5V
C13
104
GND
12V
TB6612FNG


BAT+
S1
电源开关
12V
U4
IN-
IN+
OUT-
OUT+
DC-DC
EC1
220uF
C14
104
C17
104
EC2
220uF
5V
GND


5V
AMS1
Vin
GND
Vout
3V3
C19
10uF
C20
104
C21
104
C22
10uF
GND


U5
PB10
PB11
3V3
PC13
GND
RX
TX
GND
VCC
EN
蓝牙



R4
R3
BOOT
NO
BT0
BT1
J5
J6
GND PA2 PA3 +5
GND 3.3 PB8 PB9
J3
J4
PA8 PA5 PA4 GND
PA12 PA7 PA15 +5
SWD1
GND
R1
C3
RST1
MEMS1
VCC
GND
SCL
SDA
XDA
XCL
ADO
INT
D3
C6
K1
J1
M1
GND
PA1
PA0
5V
M2
U3
C8
EC2
C1
C2
C13
C4
C7
C14
R6
C5
C12
C2
R2
R8
USB1
J2
M1
GND
PB7
PB6
5V
M2
C9
EC1
U4
R12
Q1
R11
R16
Q3
R17
C11
R13
R14
C10
OUT-
OUT+
U5
PB10
AMS1
+5 +3.3 GND
C17
C19
C20
C22
C21
R15
Q2
S1
J7
R9
C7
R10
-NI
+NI
D1
R5
D2
R7

Comment	Description	Designator	Footprint	LibRef	Quantity
AMS1117	三端稳压芯片	AMS1	SOT223	AMS1117	1
拨码开关		BOOT	SMD-2P	BOOT	1
Cap	Capacitor	C1, C2	0603C	Cap	2
Cap	Capacitor	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C17, C19, C20, C21, C22	0805C	Cap	17
PWR	Typical INFRARED GaAs LED	D1	LED-0805Y	LED0	1
LED1	Typical INFRARED GaAs LED	D2	LED-0805Y	LED0	1
1N4148WS T4	普通二极管	D3	SOD-123	DIODE	1
220uF	贴片电解电容	EC1, EC2	SMD-EC8X8X10	SMD_ECAP	2
A_encoder		J1	XH2.54-WS-6P	A_encoder	1
B_Encoder		J2	XH2.54-WS-6P	B_Encoder	1
J?		J3, J4	4脚排针	4xIO	2
超声波		J5	四脚排母	超声波	1
OLED_I2C		J6	四脚排母	OLED_I2C	1
电池		J7	插拔式端子	OLED_I2C_1	1
KEY		K1	SMD-3X6X5	KEY	1
GY-521	MEMS, MPU6050 Compontents	MEMS1	陀螺仪	GY-521	1
SS8050	NPN三极管	Q1, Q2	SOT-23	NPN	2
SS8550	PNP三极管	Q3	SOT-23	PNP	1
Res2	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17	0805R	Res2	17
SW-PB	Switch	RST1	SMD-3X6X5	SW-PB	1
电源开关		S1	SS-12D10	SS-12F23	1
XH-4A	Header, 4-Pin	SWD1	XH2.54-LI-4P	Header 4	1
STM32F103C8T6		U1	STM32F103C8T6	STM32F103C8T6	1
CH340G		U2	SOP16	CH340	1
TB6612FNG		U3	SSOP24	TB6612FNG	1
DC-DC	Power Module	U4	DC_DC DOWN	DC-DC	1
蓝牙		U5	Fe-HDR1X5/2.54-S	蓝牙	1
USB_5		USB1	USB-MINI-A	USB_5	1
8MHz	2脚无源脚晶振	X1	OSC HC-49S	XTAL-2P	1