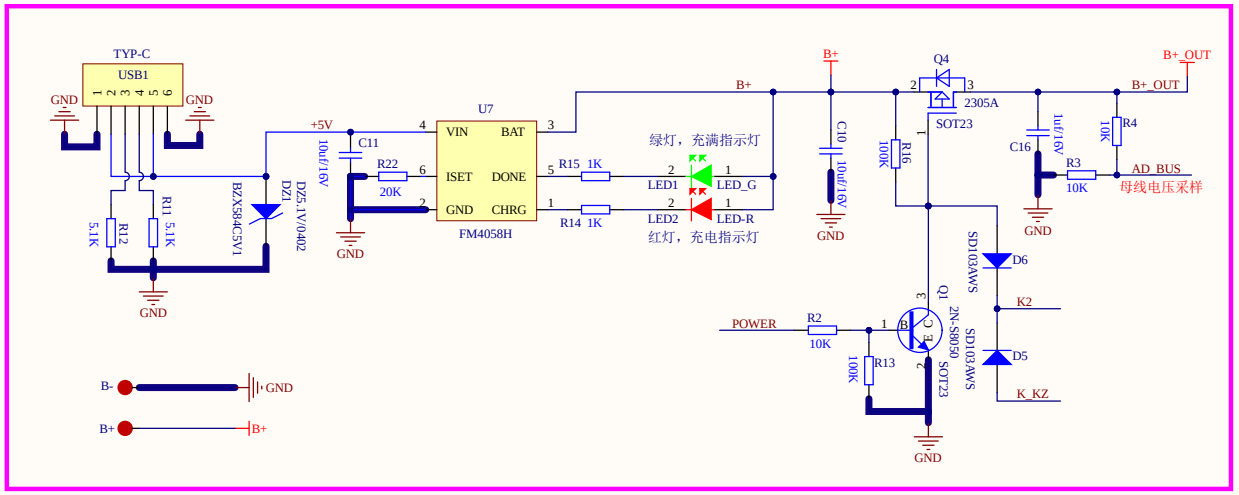
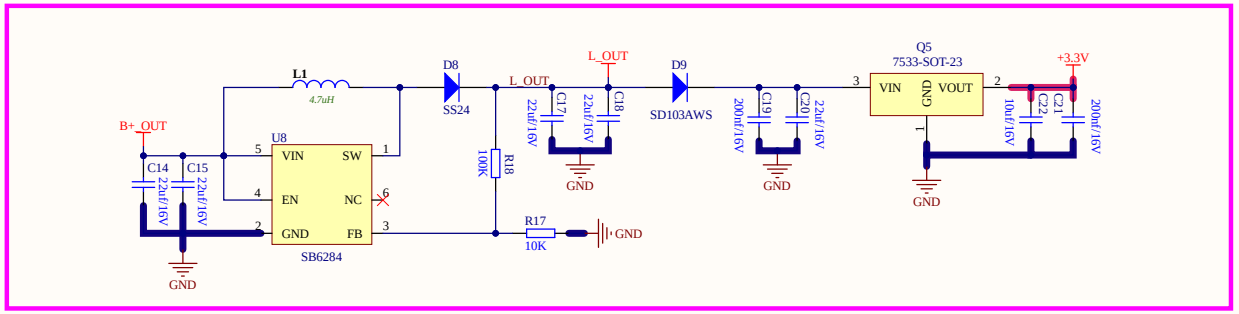
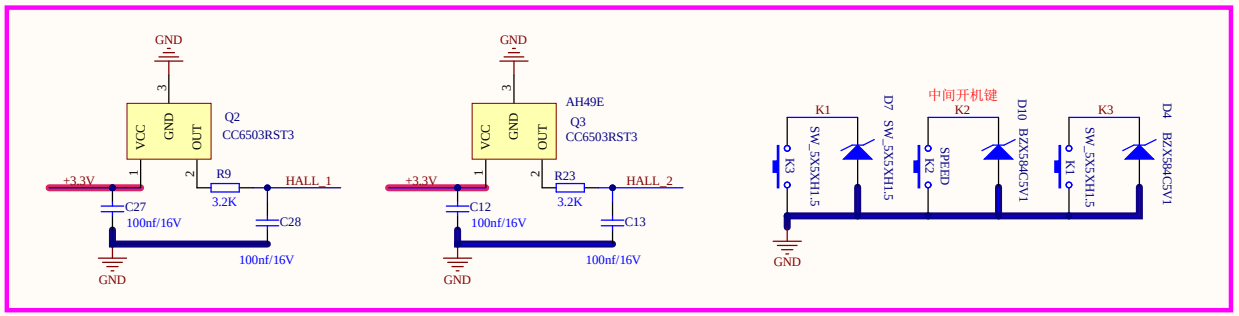
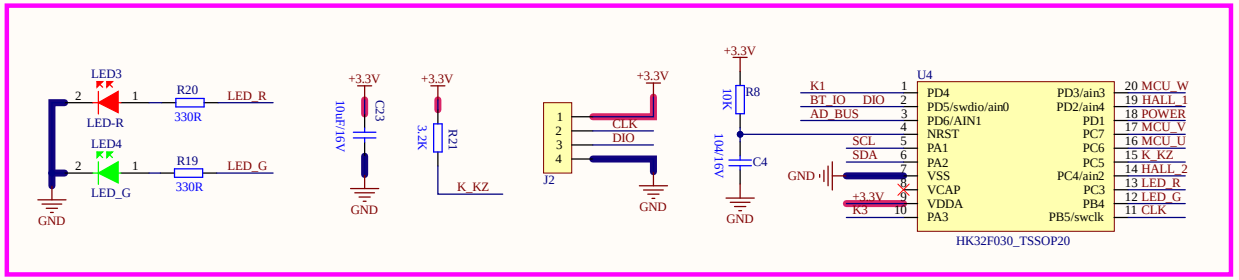
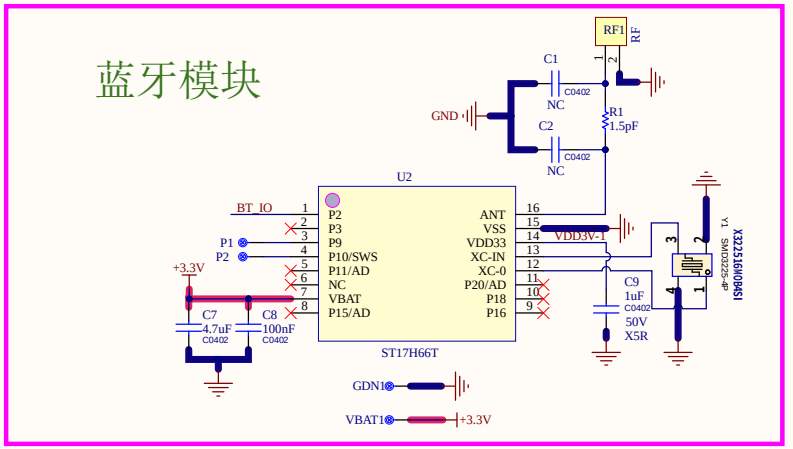
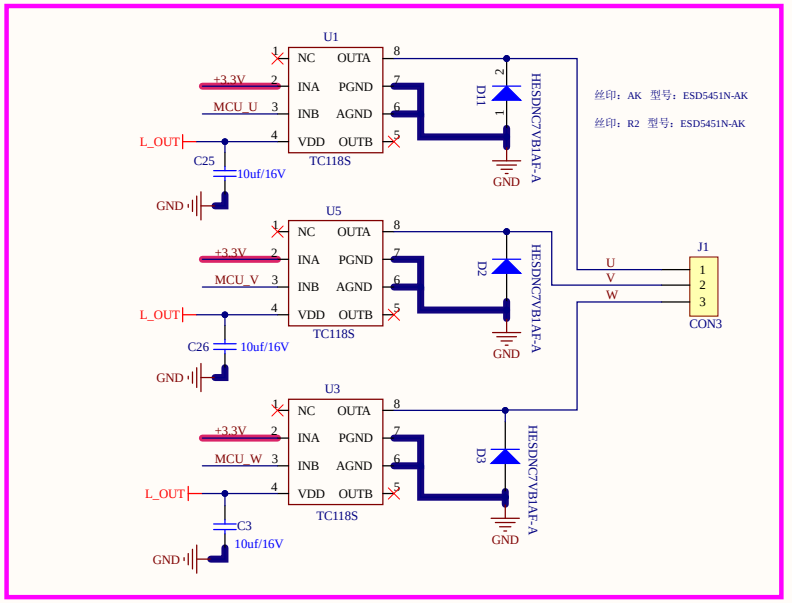

TYP-C
USB1
GND
+5V
10uf/16V
C11
R22
20K
U7
VIN
BAT
ISET
DONE
GND
CHRG
FM4058H
R15 1K
R14 1K
绿灯，充满指示灯
红灯，充电指示灯
LED1
LED2
LED_G
LED-R
B+
B+_OUT
Q4
2305A
SOT23
C10
10uf/16V
R16
100K
C16
1uf/16V
R3
10K
R4
10K
AD_BUS
母线电压采样
BZX584C5V1
DZ1
DZ5.1V/0402
R11 5.1K
R12
5.1K
D6
K2
D5
K_KZ
SD103AWS
POWER
R2
10K
R13
100K
Q1
2N-S8050
SOT23
B-
B+

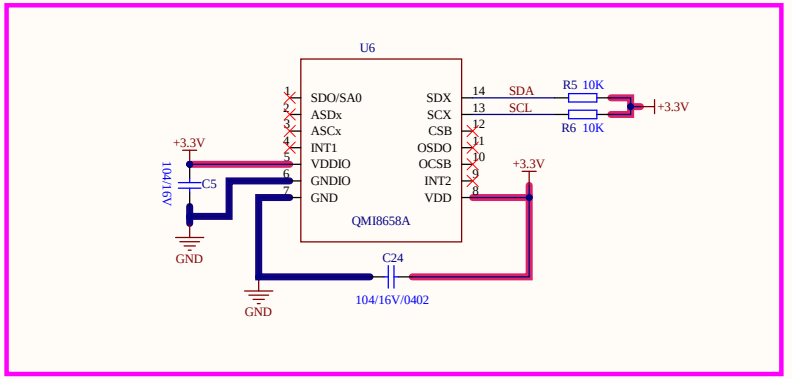

L1
4.7uH
D8
SS24
L_OUT
C17
22uf/16V
C18
22uf/16V
D9
SD103AWS
C19
200nf/16V
C20
22uf/16V
Q5
7533-SOT-23
VIN
GND
VOUT
C21
10uf/16V
C22
200nf/16V
+3.3V
B+_OUT
U8
VIN
SW
EN
NC
GND
FB
SB6284
C14
22nf/16V
C15
22nf/16V
R18
100K
R17
10K


GND
Q2
CC6503RST3
VCC
GND
OUT
+3.3V
R9
3.2K
HALL_1
C27
100nf/16V
C28
100nf/16V
AH49E
Q3
CC6503RST3
R23
3.2K
HALL_2
C12
100nf/16V
C13
100nf/16V
K1
K2
K3
SW_5X5XH1.5
SPEED
中间开机键
D7
D10
D4
BZX584C5V1


LED3
LED-R
R20
330R
LED_R
LED4
LED_G
R19
330R
C23
10uf/16V
R21
3.2K
K_KZ
J2
CLK
DIO
R8
10K
C4
104/16V
U4
HK32F030_TSSOP20
PD4
PD5/swdio/ain0
PD6/AIN1
NRST
PA1
PA2
VSS
VCAP
VDDA
PA3
PD3/ain3
PD2/ain4
PD1
PC7
PC6
PC5
PC4/ain2
PC3
PB4
PB5/swclk
MCU_W
HALL_1
POWER
MCU_V
K_KZ
HALL_2
LED_R
LED_G
CLK
SCL
SDA


蓝牙模块
RF1
ANT
C1
NC
C0402
R1
1.5pF
C2
U2
BT_IO
P1
P2
P2
P3
P9
P10/SWS
P11/AD
NC
VBAT
P15/AD
ANT
VSS
VDD33
XC-IN
XC-0
P20/AD
P18
P16
VDD3V-1
ST17H66T
C7
4.7uF
C8
100nF
C9
1uF
50V
X5R
Y1
X32251600MSI
GDN1
VBAT1
+3.3V


U1
U5
U3
NC
OUTA
INA
PGND
INB
AGND
VDD
OUTB
TC118S
MCU_U
MCU_V
MCU_W
L_OUT
C25
10uf/16V
C26
10uf/16V
C3
10uf/16V
D11
D2
D3
HESDNC7VB1AF-A
丝印：AK 型号：ESD5451N-AK
丝印：R2 型号：ESD5451N-AK
U
V
W
J1
CON3


U6
SDO/SA0
ASDx
ASCx
INT1
VDDIO
GNDIO
GND
SDX
SCX
CSB
OSDO
OCSB
INT2
VDD
QMI8658A
SDA
SCL
R5 10K
R6 10K
C5
104/16V
C24
104/16V/0402

Comment	Description	Designator	Footprint	LibRef	Quantity
	TP	B-, B+	TP_1.0 mm	TP	2
NC		C1, C2	C0402	C_Dup1	2
10uf/16V	Capacitor	C3, C10, C11, C22, C23, C25, C26	C0603	Cap	7
104/16V	Capacitor	C4, C5	C0402	Cap	2
4.7uF		C7	C0603	C_Dup1	1
100nF		C8	C0402	C_Dup1	1
1uF		C9	C0402	C_Dup1	1
100nf/16V	Capacitor	C12, C13, C27, C28	C0402	Cap	4
22uf/16V	Capacitor	C14, C15, C17, C18, C20	C0603	Cap	5
1uf/16V	Capacitor	C16	C0603	Cap	1
200nf/16V	Capacitor	C19, C21	C0402	Cap	2
104/16V/0402	Capacitor	C24	C0402	Cap	1
HESDNC7VB1AF-A		D2, D3, D11	DFN1006	D?	3
BZX584C5V1		D4, D10, DZ1	sod-523	DZ	3
SD103AWS		D5, D6, D9	SOD-323	D?	3
SW_5X5XH1.5		D7	sod-523	DZ	1
SS24		D8	SMA(DO-214AC	D?	1
TP	Test Point	GDN1, P1, P2, VBAT1	TP_1.0 mm	TP_R	4
CON3		J1	针座 1.0-3P 立贴	CON3	1
HDR-1X4	4P接插件	J2	1.27FH-4P-180度U型	Header 4	1
SW_5X5XH1.5		K1, K3	KEY-3*6*3.5	SW1	2
SPEED		K2	KEY-3*6*3.5	SW1	1
4.7uH	贴片电感	L1	L-0630-SMD, 7x6.6x2.8mm	Inductor	1
LED_G		LED1, LED4	LED0402G	LED_G	2
LED-R		LED2, LED3	LED0402R	LED_R	2
2N-S8050		Q1	SOT23	3904_NPN	1
CC6503RST3	线性霍尔	Q2, Q3	SOT23	AH49E	2
2305A	MOS-P	Q4	SOT23	MOS-P	1
7533-SOT-23		Q5	SOT23	78M05	1
1.5pF		R1	R0402	RSE	1
10K		R2, R3, R4, R5, R6, R8, R17	R0402	RES	7
3.2K		R9, R21, R23	R0402	RES	3
5.1K		R11, R12	R0402	RES	2
100K		R13, R16, R18	R0402	RES	3
1K		R14, R15	R0402	RES	2
330R		R19, R20	R0402	RES	2
20K		R22	R0402	RES	1
RF		RF1	F天线	JACK2P	1
TC118S		U1, U3, U5	SOP8-1.27-mini	Component_1	3
ST17H66T		U2	TSSOP-16	ST17H66T	1
HK32F030_TSSOP20		U4	TSSOP20	HK32F030_TSSOP20	1
QMI8658A	6轴陀螺仪	U6	LGA-14_L3.0-W2.5-P0.50-BR	SC7U22TH	1
FM4058H		U7	SOT23_6	FM4058H	1
SB6284		U8	SOT23_6	SB6284	1
TYP-C		USB1	TYPE-C-6PIN-2	CON6	1
X322516MOB4SI		Y1	OSC-SMD_4P-L3.2-W2.5-BL	X32258MOB4SI	1