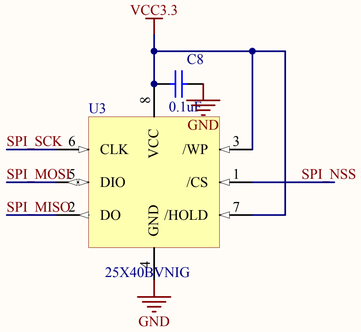
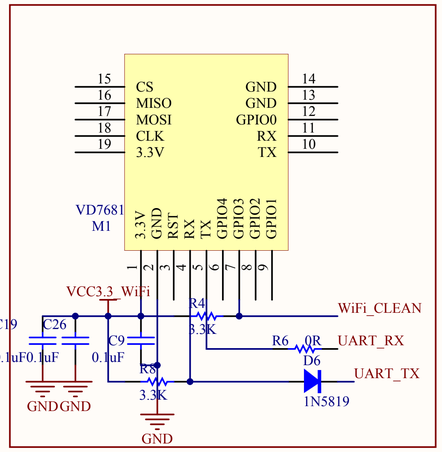
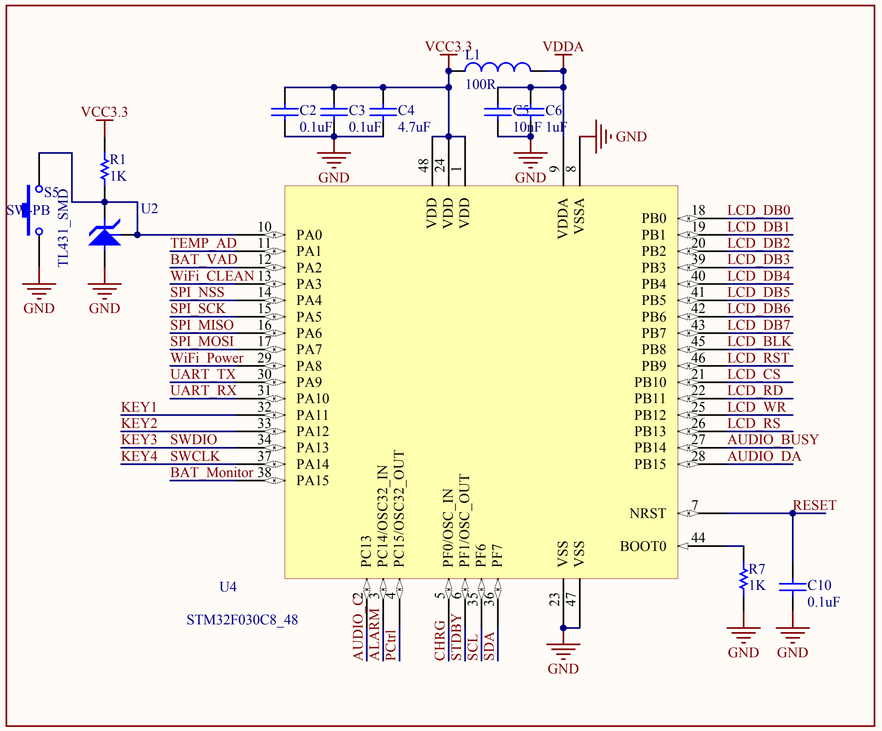
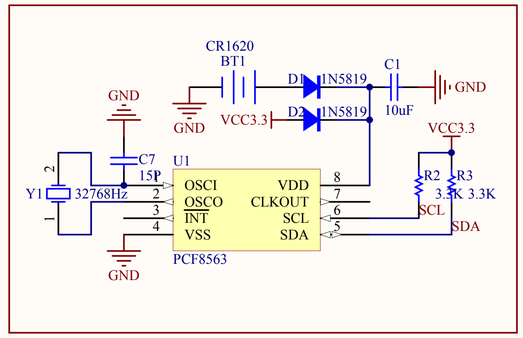
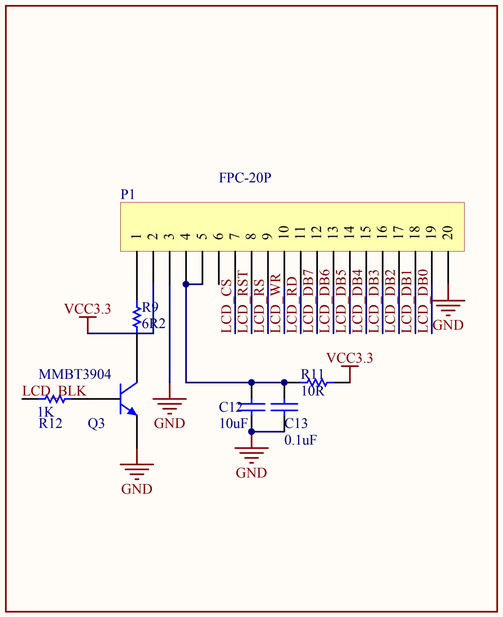

VCC3.3
C8
0.1uF
U3
SPI_SCK 6
SPI_MOSI 5
SPI_MISO 2
CLK
DIO
DO
VCC
GND
/WP
/CS
/HOLD
SPI_NSS
25X40BVNIG
GND

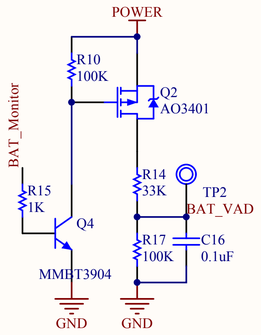

VD7681
M1
CS
MISO
MOSI
CLK
3.3V
GND
GPIO0
RX
TX
3.3V
GND
RST
RX
TX
GPIO4
GPIO3
GPIO2
GPIO1
VCC3.3_WiFi
C19
0.1uF
C26
0.1uF
C9
0.1uF
R8
3.3K
R4
3.3K
WiFi_CLEAN
R6
0R
UART_RX
D6
1N5819
UART_TX
GND

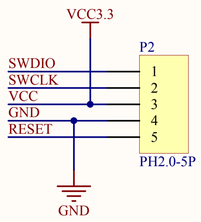

VCC3.3
L1
100R
VDDA
C2
0.1uF
C3
0.1uF
C4
4.7uF
C5
10uF
C6
1uF
GND
SW-PB
TL431_SMD
R1
1K
U2
TEMP_AD
BAT_VAD
WiFi_CLEAN
SPI_NSS
SPI_SCK
SPI_MISO
SPI_MOSI
WiFi_Power
UART_TX
UART_RX
KEY1
KEY2
KEY3 SWDIO
KEY4 SWCLK
BAT_Monitor
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
VDD
VDDA
VSSA
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
LCD_DB0
LCD_DB1
LCD_DB2
LCD_DB3
LCD_DB4
LCD_DB5
LCD_DB6
LCD_DB7
LCD_BLK
LCD_RST
LCD_CS
LCD_RD
LCD_WR
LCD_RS
AUDIO_BUSY
AUDIO_DA
PC13
PC14/OSC32_IN
PC15/OSC32_OUT
PF0/OSC_IN
PF1/OSC_OUT
PF6
PF7
VSS
NRST
BOOT0
RESET
R7
1K
C10
0.1uF
U4
STM32F030C8_48
AUDIO_C
ALARM
PCtrl
CHRG
STDBY
SCL
SDA

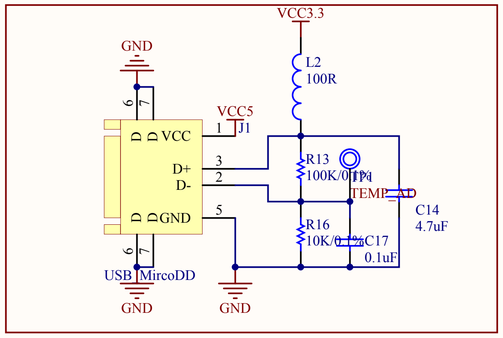

CR1620
BT1
GND
VCC3.3
D1 1N5819
D2 1N5819
C1
10uF
C7
15P
Y1
32768Hz
U1
OSCI
OSCO
INT
VSS
VDD
CLKOUT
SCL
SDA
PCF8563
R2
3.3K
R3
3.3K
SCL
SDA

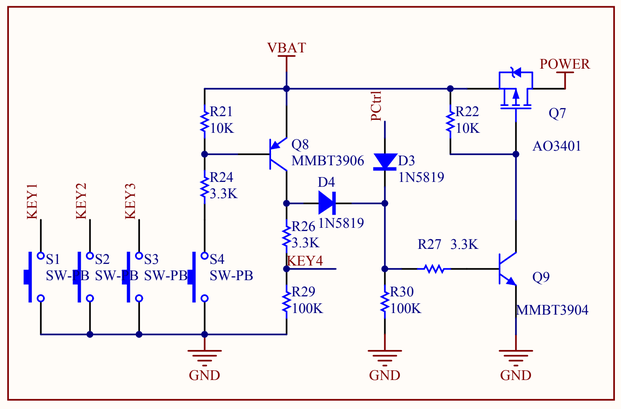

FPC-20P
P1
LCD_CS
LCD_RST
LCD_RS
LCD_WR
LCD_RD
LCD_DB7
LCD_DB6
LCD_DB5
LCD_DB4
LCD_DB3
LCD_DB2
LCD_DB1
LCD_DB0
GND
VCC3.3
R9
6R2
MMBT3904
LCD_BLK
1K
R12
Q3
R11
10K
C12
10uF
C13
0.1uF

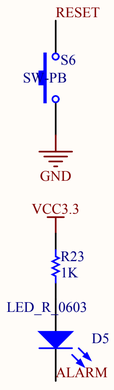
VCC5
C11
1uF
TP4057
U5
CHRG
STDBY
VCC
BAT
PROG
GND
VBAT
C15
10uF
R18
1.66K%1
P3
PH2.0-2P
GND

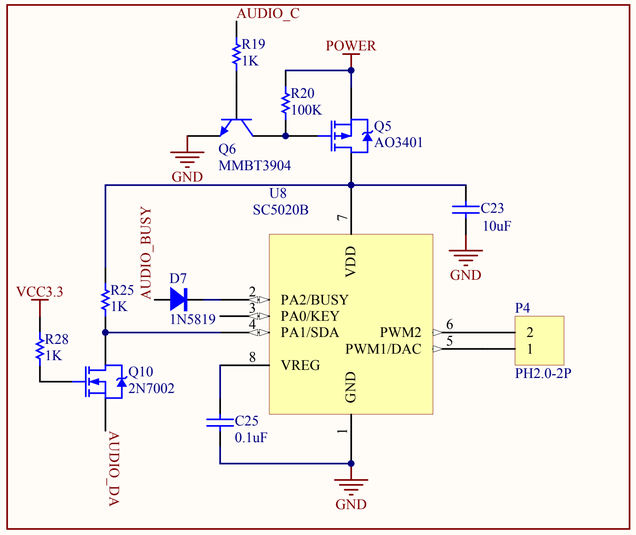

POWER
R10
100K
Q2
AO3401
BAT_Monitor
R15
1K
Q4
MMBT3904
R14
33K
TP2
BAT_VAD
R17
100K
C16
0.1uF
GND

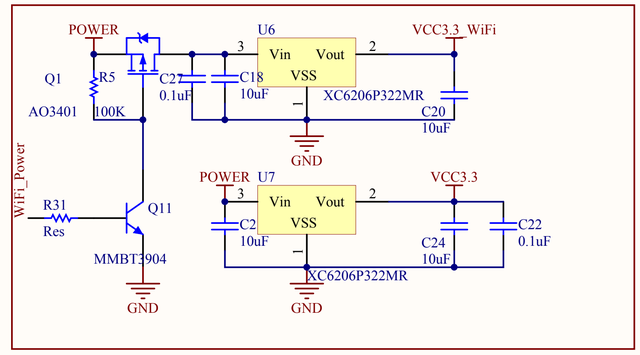

VCC3.3
SWDIO
SWCLK
VCC
GND
RESET
P2
PH2.0-5P
GND


VCC3.3
GND
L2
100R
VCC5
J1
D+
D-
VCC
GND
R13
100K/0.1%
TEMP_AD
R16
10K/0.1%
C17
0.1uF
C14
4.7uF
USB_MircoDD
GND


VBAT
POWER
R21
10K
Q8
MMBT3906
PCtrl
D3
1N5819
R22
10K
Q7
AO3401
R24
3.3K
D4
1N5819
R26
3.3K
KEY4
R27
3.3K
Q9
MMBT3904
KEY1
KEY2
KEY3
S1
SW-PB
S2
SW-PB
S3
SW-PB
S4
SW-PB
R29
100K
R30
100K
GND


RESET
S6
SW-PB
GND
VCC3.3
R23
1K
LED_R_0603
D5
ALARM


AUDIO_C
R19
1K
POWER
R20
100K
Q5
AO3401
Q6
MMBT3904
GND
U8
SC5020B
C23
10uF
AUDIO_BUSY
VCC3.3
R25
1K
D7
1N5819
R28
1K
Q10
2N7002
PA2/BUSY
PA0/KEY
PA1/SDA
VDD
PWM2
PWM1/DAC
VREG
GND
P4
PH2.0-2P
C25
0.1uF
AUDIO_DA


POWER
U6
VCC3.3_WiFi
Q1
AO3401
R5
100K
C27
0.1uF
C18
10uF
Vin
Vout
VSS
XC6206P322MR
C20
10uF
GND
WiFi_Power
R31
Res
Q11
MMBT3904
POWER
U7
VCC3.3
C21
10uF
C24
10uF
C22
0.1uF
XC6206P322MR