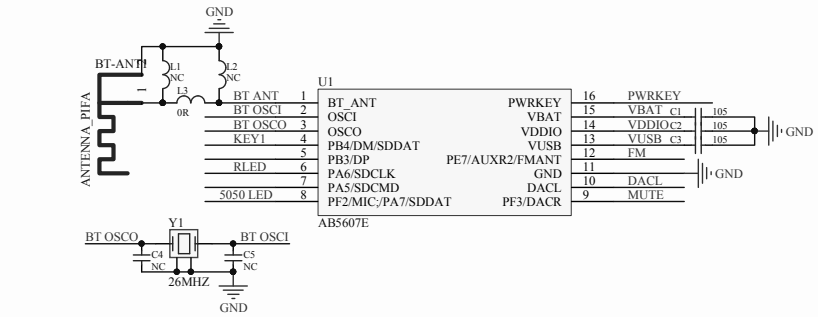
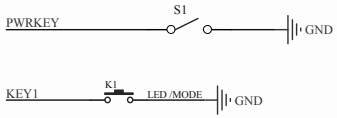
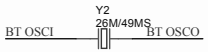
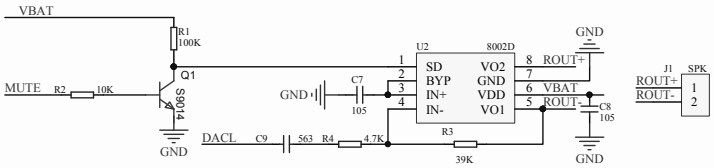
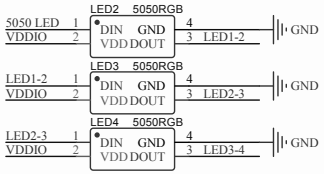

GND
BT-ANT
ANTENNA_PIFA
L1
NC
L2
NC
L3
0R
U1
BT ANT 1
BT OSCI 2
BT OSCO 3
KEY1 4
5
RLED 6
7
5050 LED 8
BT_ANT
OSCI
OSCO
PB4/DM/SDDAT
PB3/DP
PA6/SDCLK
PA5/SDCMD
PF2/MIC2/PA7/SDDAT
PWRKEY
VBAT
VDDIO
VUSB
PE7/AUXR2/FMANT
GND
DACL
PF3/DACR
16 PWRKEY
15 VBAT C1 105
14 VDDIO C2 105
13 VUSB C3 105
12 FM
11
10 DACL
9 MUTE
AB5607E
Y1
BT OSCO
BT OSCI
C4
NC
C5
NC
26MHZ
GND

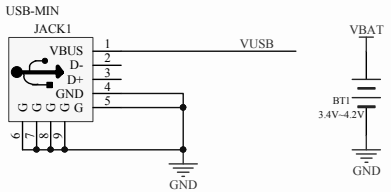

PWRKEY
S1
GND
KEY1
K1
LED /MODE
GND

RLED
LED1
RED
GND


BT OSCI
Y2
26M/49MS
BT OSCO


VBAT
R1
100K
Q1
S9014
MUTE
R2
10K
GND
U2
8002D
SD
BYP
IN+
IN-
VO2
GND
VDD
VO1
8 ROUT+
7
6 VBAT
5 ROUT-
C7
105
C8
105
R3
39K
DACL
C9
563
R4
4.7K
J1
SPK
ROUT+
ROUT-
1
2


LED2 5050RGB
5050 LED 1
VDDIO 2
DIN GND
VDD DOUT
4
3 LED1-2
GND
LED3 5050RGB
LED1-2 1
VDDIO 2
DIN GND
VDD DOUT
4
3 LED2-3
GND
LED4 5050RGB
LED2-3 1
VDDIO 2
DIN GND
VDD DOUT
4
3 LED3-4
GND


USB-MIN
JACK1
VBUS
D-
D+
GND
G G G G G G
1
2
3
4
5
6
7
8
9
VUSB
GND
VBAT
BT1
3.4V~4.2V
GND