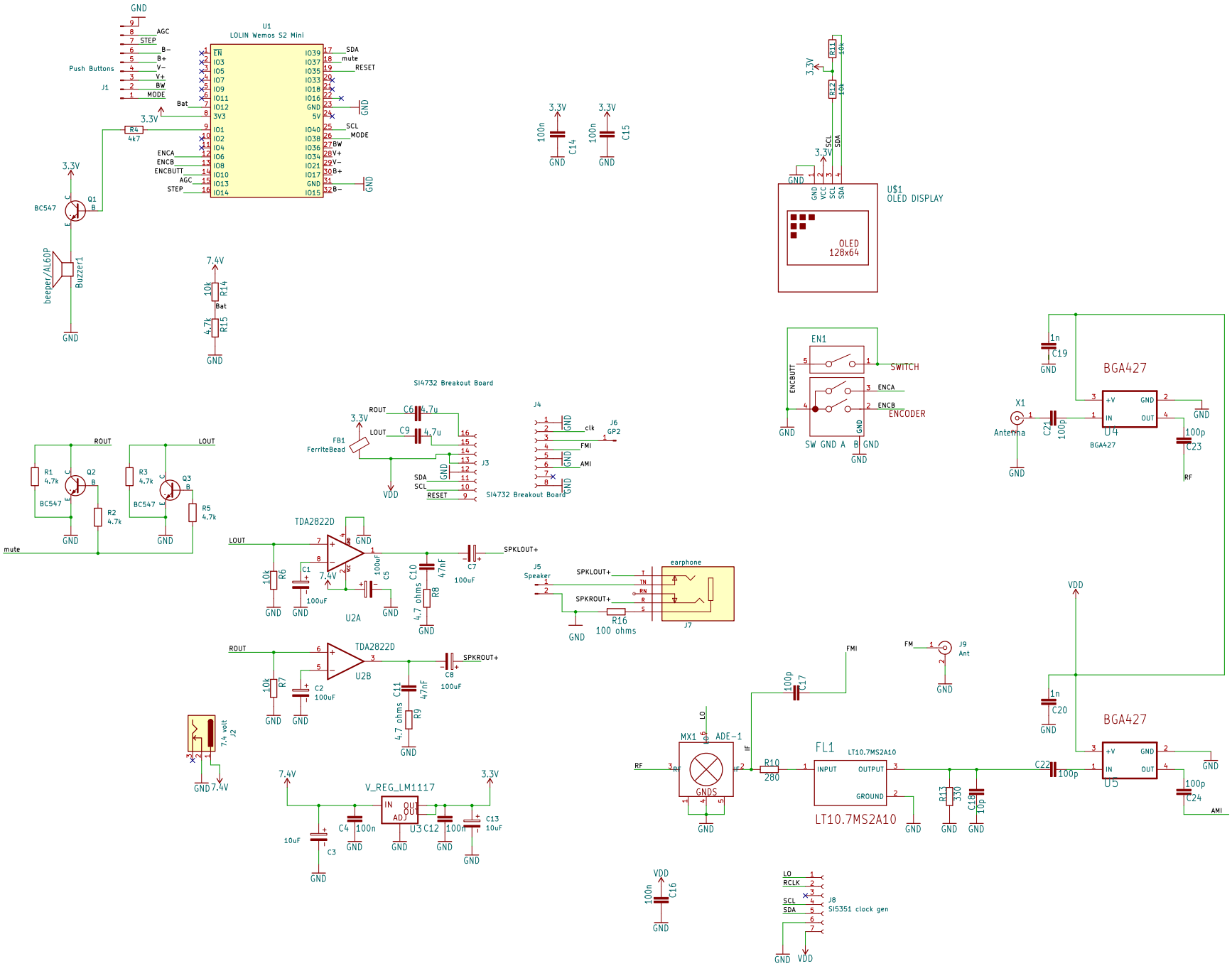
U1
LOLIN Wemos S2 Mini
Push Buttons
J1
AGC
STEP
B−
B+
V−
V+
BW
MODE
Bat
3.3V
R4
4k7
ENCA
ENCB
ENCBUTT
SDA
mute
RESET
SCL
GND
Q1
BC547
beeper/ALGOP
Buzzer1
7.4V
R14
10k
R15
4.7k
R11
R12
10k
U$1
OLED DISPLAY
OLED
128x64
C14
100n
C15
EN1
SWITCH
ENCODER
SW GND A B GND
SI4732 Breakout Board
J3
J4
J6
GP2
clk
FMI
AMI
FB1
FerriteBead
VDD
C6
4.7u
C9
R1
4.7k
R2
4.7k
R3
4.7k
R5
4.7k
Q2
Q3
ROUT
LOUT
TDA2822D
U2A
U2B
R6
10k
R7
10k
C1
C2
100uF
C5
C10
C11
47nF
R8
R9
4.7 ohms
C7
C8
SPKLOUT+
SPKROUT+
J5
Speaker
earphone
J7
R16
100 ohms
J2
7.4 volt
V_REG_LM1117
U3
IN
OUT
ADJ
C3
10uF
C4
100n
C12
C13
10uF
C16
MX1
ADE−1
GNDS
RF
LO
IF
R10
280
100p
C17
FL1
LT10.7MS2A10
INPUT
OUTPUT
GROUND
R13
330
C19
10p
FM
J9
Ant
C19
1n
BGA427
U4
X1
Antenna
C21
100p
C23
100p
RF
C20
1n
U5
C22
100p
C24
100p
AMI
J8
SI5351 clock gen
RCLK