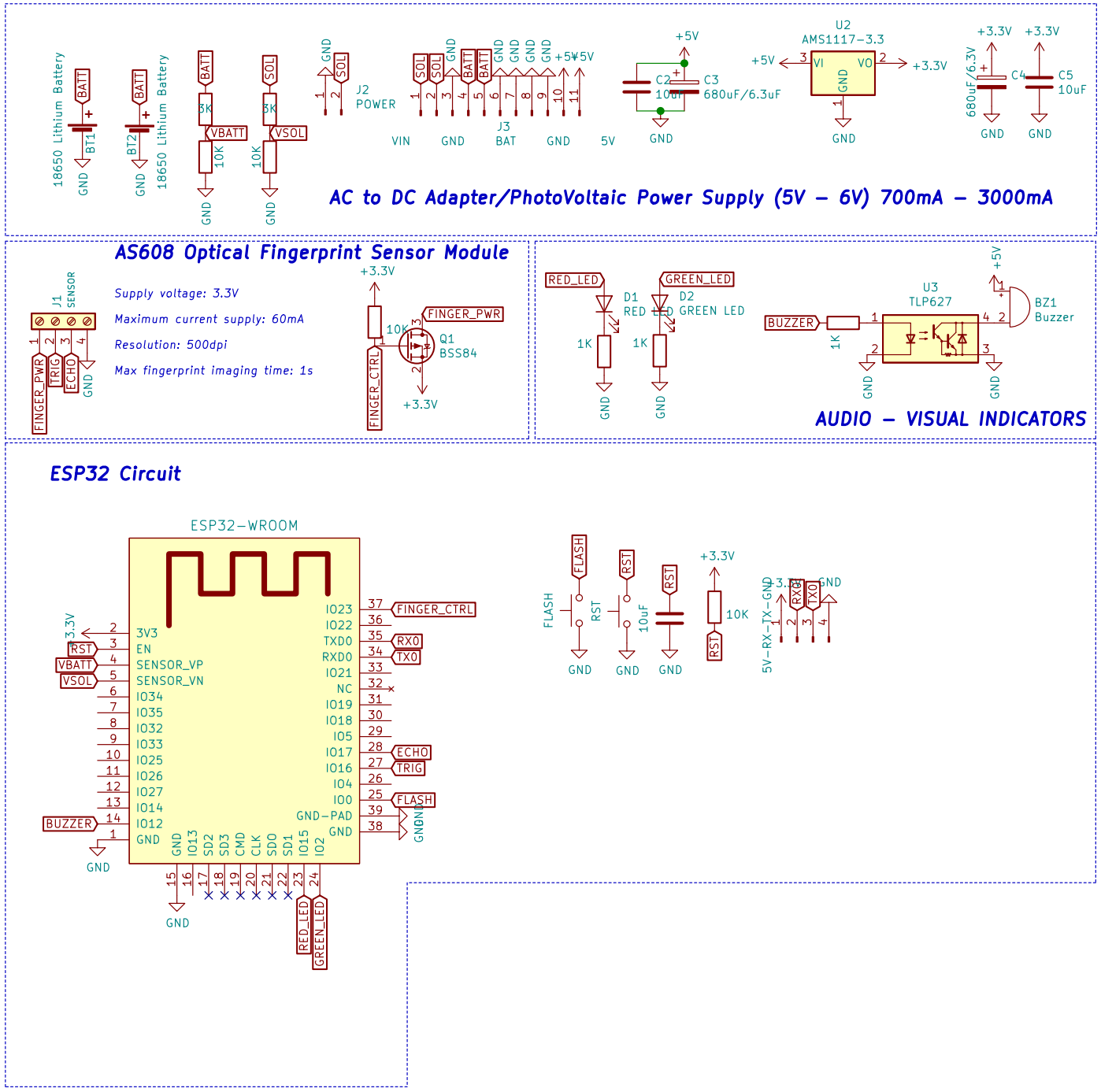
AC to DC Adapter/PhotoVoltaic Power Supply (5V – 6V) 700mA – 3000mA
18650 Lithium Battery
BT1
BT2
BATT
VBATT
VSOL
SOL
3K
10K
J2
POWER
J3
VIN
GND
BAT
5V
C2
10uF
C3
680uF/6.3uF
U2
AMS1117-3.3
VI
VO
+3.3V
C4
C5
10uF
680uF/6.3V
AS608 Optical Fingerprint Sensor Module
Supply voltage: 3.3V
Maximum current supply: 60mA
Resolution: 500dpi
Max fingerprint imaging time: 1s
J1
SENSOR
FINGER_PWR
TRIG
ECHO
FINGER_CTRL
Q1
BSS84
AUDIO – VISUAL INDICATORS
RED_LED
GREEN_LED
D1
RED LED
D2
GREEN LED
1K
BUZZER
U3
TLP627
BZ1
Buzzer
ESP32 Circuit
ESP32-WROOM
3V3
EN
SENSOR_VP
SENSOR_VN
IO34
IO35
IO32
IO33
IO25
IO26
IO27
IO14
IO12
GND
IO23
IO22
TXD0
RXD0
IO21
NC
IO19
IO18
IO5
IO17
IO16
IO4
IO0
GND-PAD
IO13
SD2
SD3
CMD
CLK
SD0
SD1
IO15
IO2
FLASH
RST
10uF
10K
5V-RX-TX-GND