ESP32S

U1 NRF24L01+PA+LNA
- C7 0.1u
- GND
- CE_2, SCK, MISO
- GND, VCC
- CE, SCK, MISO
- CSN, MOSI, IRQ
- CS_2, MOSI
- +3.3V

U9 NRF24L01+PA+LNA
- C5 0.1u
- GND
- CE_1, SCK, MISO
- GND, VCC
- CE, SCK, MISO
- CSN, MOSI, IRQ
- CS_1, MOSI
- +3.3V

CC1_ CC1101 Module
- +3.3V
- GND
- CS_CC
- GND, VCC, GDO0, CSN
- GDO2, MISO/GDO1, MOSI, SCK
- MISO, MOSI, SCK

U4 SB_Module-MicroSDCard
MicroSD Card Module
- GND, MISO, CLK, MOSI, CS, 3V3
- MISO, SCK, MOSI, CS_SD
- GND
- +3.3V

KEY1 – KEY6
- KEY1 +3.3V R10 10k
- KEY2 +3.3V R9 10k
- KEY3 +3.3V R3 10k
- KEY4 +3.3V R8 10k
- KEY5 +3.3V R11 10k
- KEY6 +3.3V R12 10k
- GND

U2 ESP32
- GND
- 3V3
- EN
- I/36
- I/39
- I/34
- I/35
- IO32
- IO33
- IO25
- IO26
- IO27
- IO14
- IO12
- GND, IO13, SD2, SD3, CMD, CLK, SD0, SD1, IO15, IO2, IO0
- GND
- IO23
- IO22
- TXD0
- RXD0
- IO21
- NC
- IO19
- IO18
- IO5
- IO17
- IO16
- IO4
- IO0
- KEY2, KEY1, CE_2, KEY4, KEY3, MISO, CE_1, CS_CC, KEY5
- KEY6, GPIO10, GPIO11, GPIO6, GPIO7, GPIO8
- MOSI, SCL, TX, RX, SDA, SCK, CS_SD, CS_2, CS_1, GPIO4
- GPIO0
- C1 10uF C2 10uF C3 10uF C4 100nF
- R4 10K
- R5 10K
- R6 10K
- R7 10K
- +3.3V
- GND

RESET SW1
- C6 100nF
- GND

D1 STATUS (BLUE)
- R1 10K
- R2 470
- GND

TP4056 TP4056 Symbole (modul)
- +5V, -5V
- OUT+, Bat+, Bat-, OUT-
- VCC
- BATTERY1 HDR-F-2.54_1x2
- GND

U6 AMS1117-3.3/TR
- GND/ADJ, VOUT, VIN
- VOUT
- C9 0.1u
- C8 0.1u
- +3.3V
- GND

P2 1.3 OLED (SSD1306)
- 1.3" OLED (SSD1306)
- VCC, GND, D0 (SCK), D1 (SDA)
- SCL, SDA
- +3.3V
- GND

J1 HDR-M-2.54_1x8
- GPIO10, GPIO11, GPIO6, GPIO7, GPIO8, GPIO4
- 1 2 3 4 5 6 7 8
- +3.3V
- GND

SONOFF SERIAL HEADER
P1 Header-Male-2.54_1x5
- +3.3V
- RX
- TX
- GND
- GPIO0
- 1 2 3 4 5

Title Block
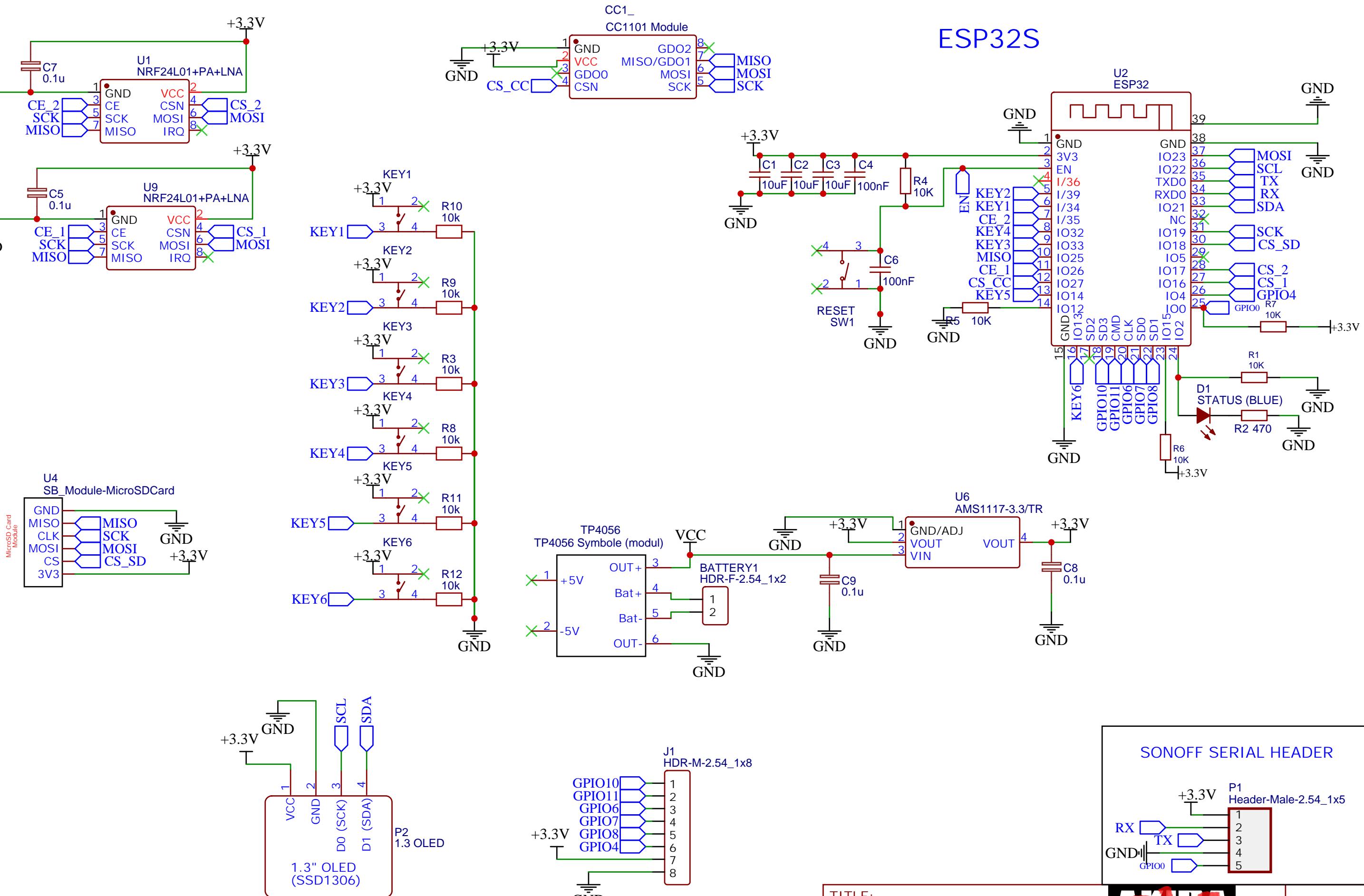- TITLE: Akira Micro
- Company: PenEngineering
- Date: 2025-11-17
- Drawn By: Artur_R0k3r
- REV: 1.0
- Sheet: 1/1
- AKIRA