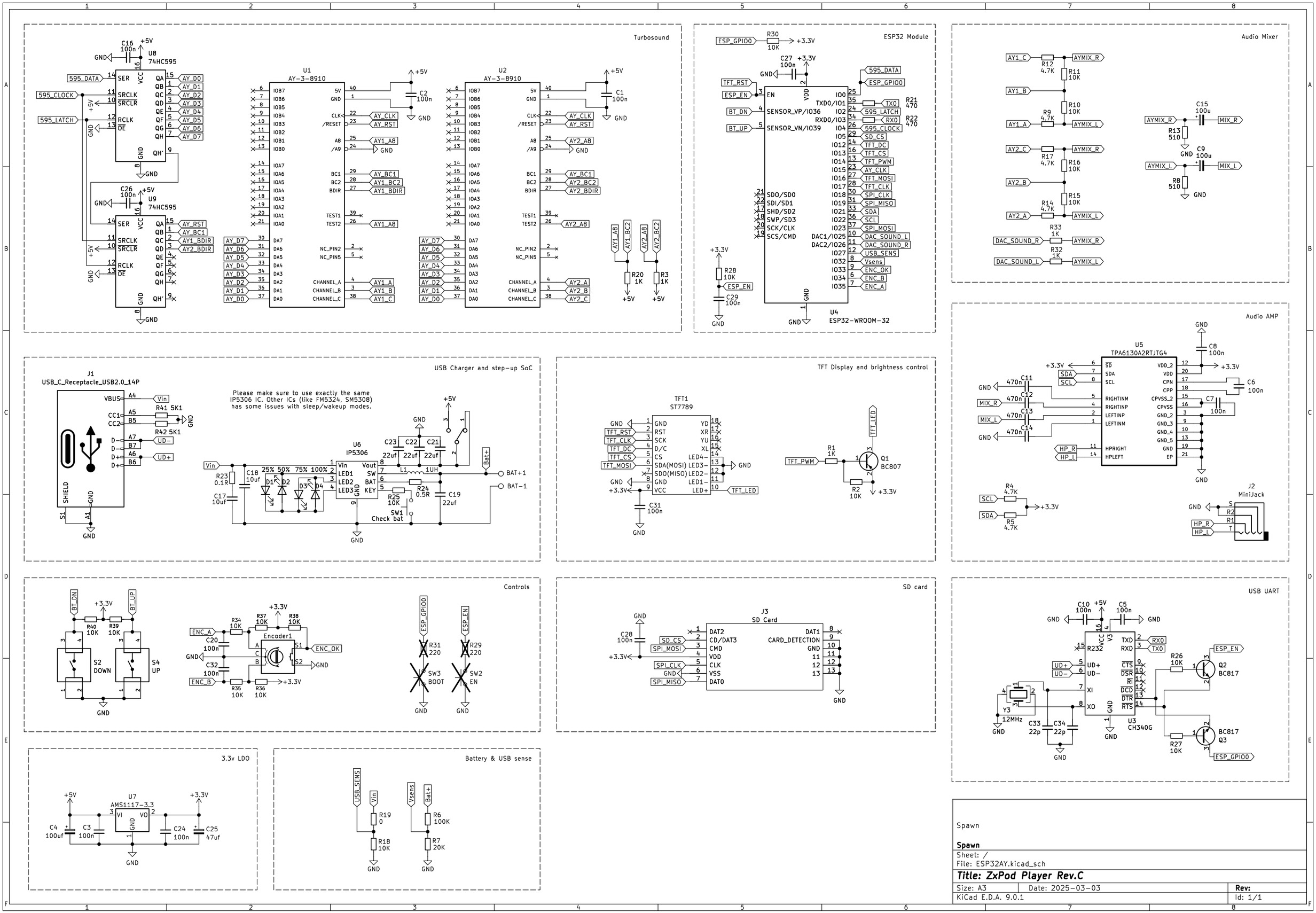
Turbosound
U8
74HC595
U9
74HC595
U1
AY-3-8910
U2
AY-3-8910
ESP32 Module
U4
ESP32-WROOM-32
Audio Mixer
Audio AMP
U5
TPA6130A2RTJTG4
USB Charger and step-up SoC
J1
USB_C_Receptacle_USB2.0_14P
Please make sure to use exactly the same IP5306 IC. Other ICs (like FM5324, SM5308) has some issues with sleep/wakeup modes.
U6
IP5306
TFT Display and brightness control
TFT1
ST7789
Q1
BC807
J2
MiniJack
Controls
S2
DOWN
S4
UP
Encoder1
SD card
J3
SD Card
USB UART
U3
CH340G
Q2
BC817
Q3
BC817
3.3v LDO
U7
AMS1117-3.3
Battery & USB sense
Spawn
Spawn
Sheet: /
File: ESP32AY.kicad_sch
Title: ZxPod Player Rev.C
Size: A3
Date: 2025-03-03
Rev:
KiCad E.D.A. 9.0.1
Id: 1/1