ESP32_LyraT_V2_1 — Schematic

Sections shown: Power System (USB<->UART, Charge Circuit, Power Supply, Power Switch, PA Output), ESP32 Module, 4-Touch-Pads & 2-Keys, Digital System (LEDs, Switch Keys, JTAG, UART, I2C, I2S, Reset/Download Button, SD_CARD, Fixing Holes), Analog System.

Design Function Block:

USB_CN

USB Connector

CP2102

Charge Circuit

UART0

SPI — Flash

ES8388

Audio PA

Speaker

OUT1

I2C

I2S

I2C

I2S

ESP32_Module

SDIO — SD Card

MIC

AUX

JTAG

Touch

JTAG

Touch