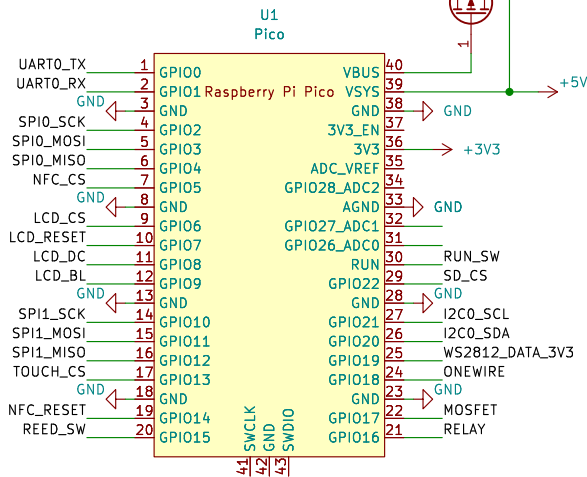
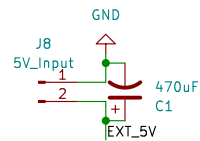


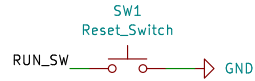
Pi Pico MCU



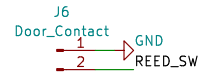
External 5V Power Input



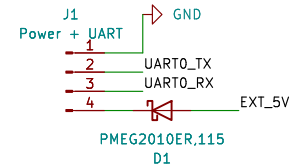
Reset Switch



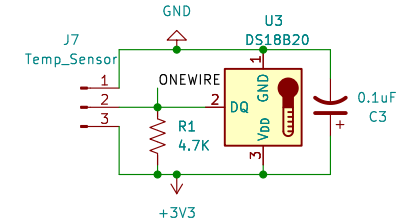
Door Sensor



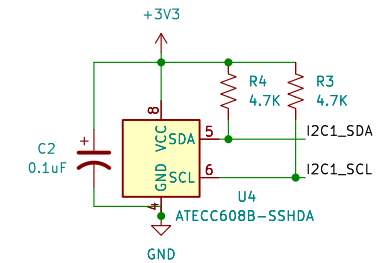
ESP32 LoRa Power & UART



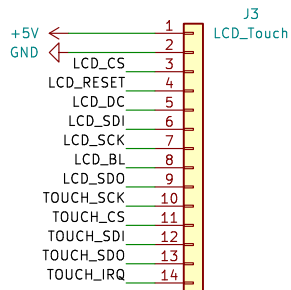
Temp Sensor(s)



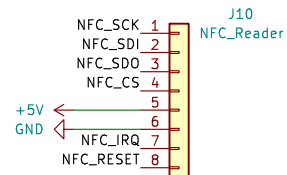
Secure Element



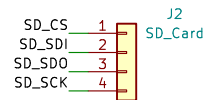
LCD + Touch



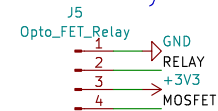
NFC



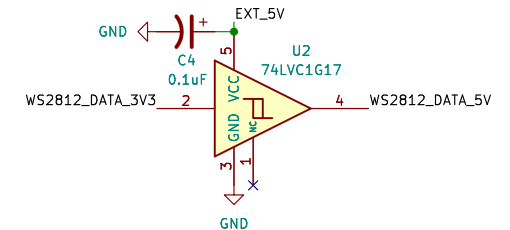
SD Card



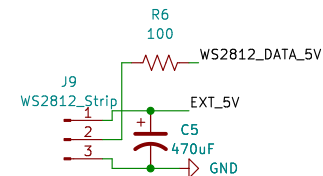
Opto MOSFET & Relay



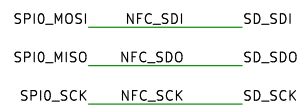
Level Shifter for WS2812 LEDs



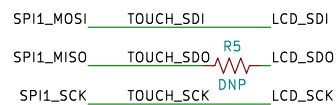
WS2812 LED Strip



SPI0 Bus



SPI1 Bus



Thermo Fisher Scientific

Sheet: /
File: mini-ult.kicad_sch

Title: Mini-ULT Controller

Size: A4 Date: 2023-09-12

KiCad E.D.A. kicad 7.0.7

Rev: 0.1

Id: 1/1