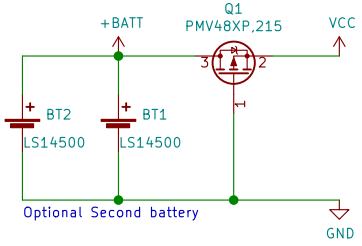
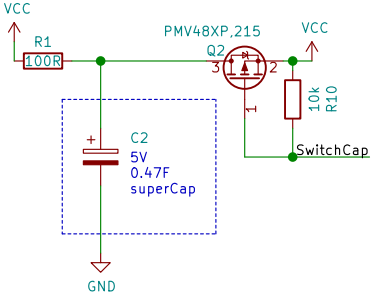
Battery and Reverse Voltage protection

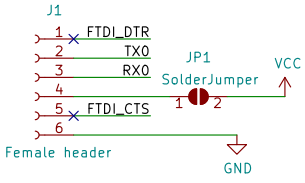


SuperCapacitor

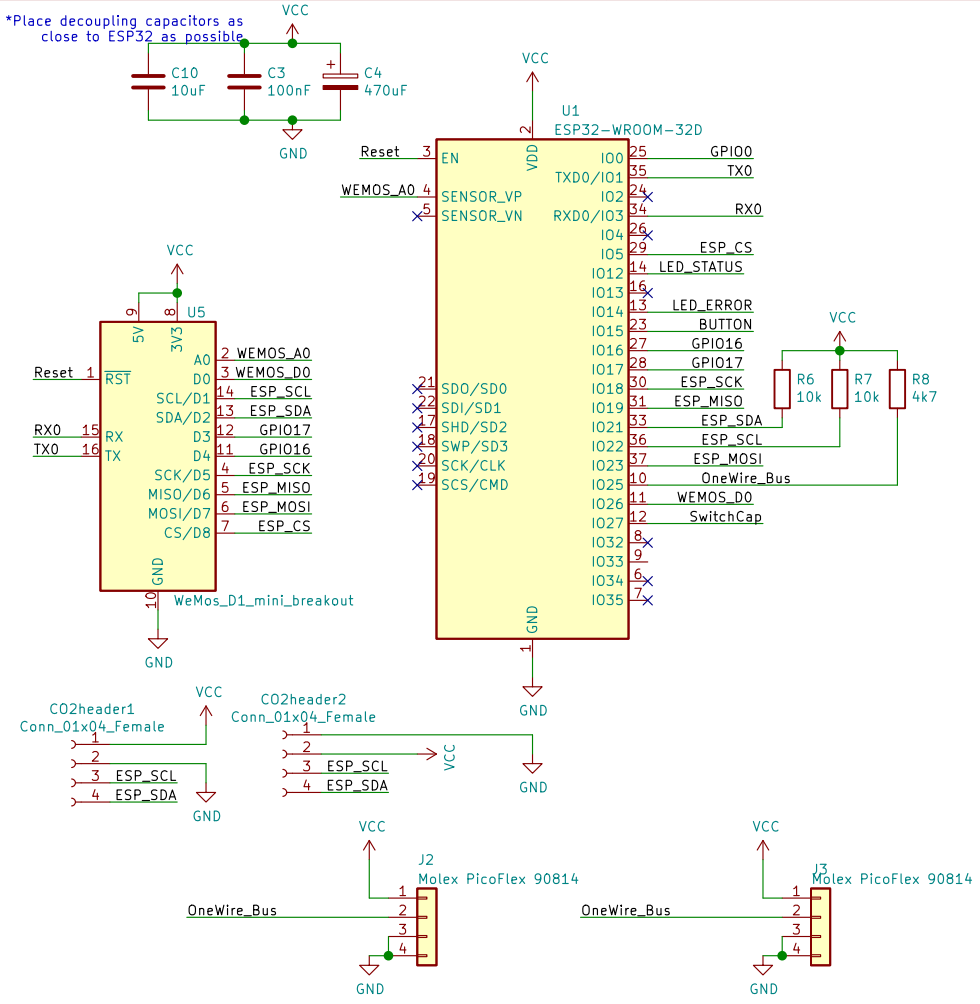


*SuperCapacitor Circuit still needs testing

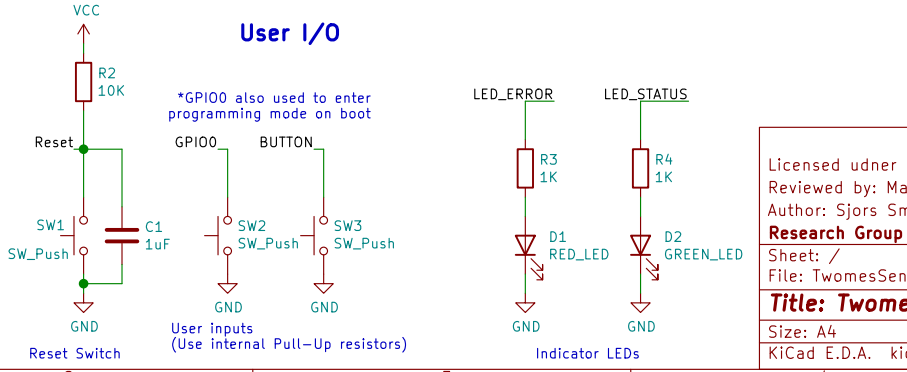
FTDI—Compatible programming header



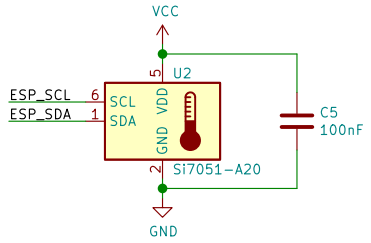
*TX and RX are ESP—Pins pins are switched on FTDI/CP2102 breakout



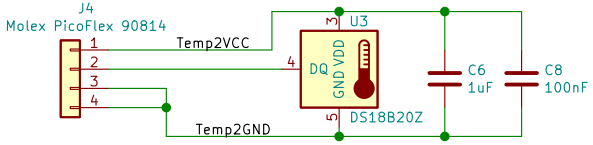
User I/O

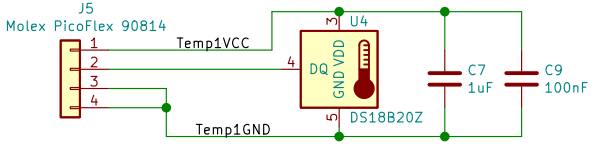


Si7051 I2C Temperature Sensor On same PCB as ESP32



DS18B20 Temperature Sensors *On seperate breakout





*DS18B20 have extra capacitors due to the longer wires

All resistors are 0603 1/4W
All unpolarized capacitors are 0603 MLCC >5V
All Polarized capacitors are SMD aluminium capacitors >5V
Unless otherwise specified

Reviewed by: Marco Winkelman
Author: Sjors Smit
Research Group Energy Transition. Windesheim University of Applied Sciences
Sheet: /
File: TwomesSensor.sch

Title: Twomes Temperature Sensor Module

Size: A4	Date: 2021-04-12	**Rev: 1**
KiCad E.D.A. kicad (5.1.7)-1		Id: 1/1