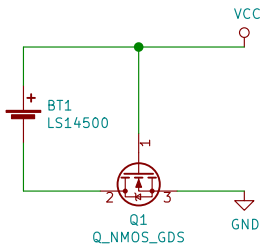


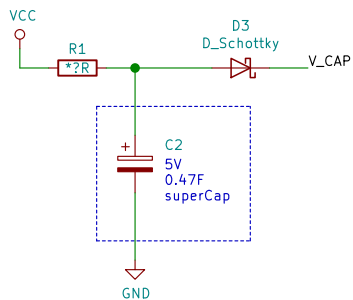
Battery and Reverse Voltage protection

Vcc(max) = 3.6V



*Reverse voltage circuit still needs testing

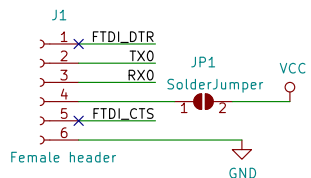
SuperCapacitor



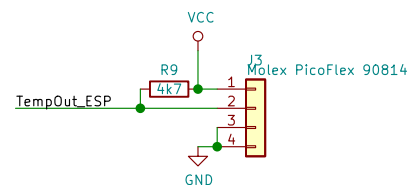
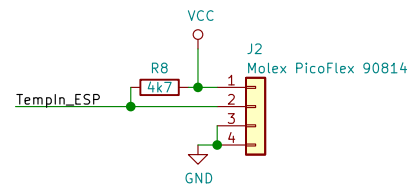
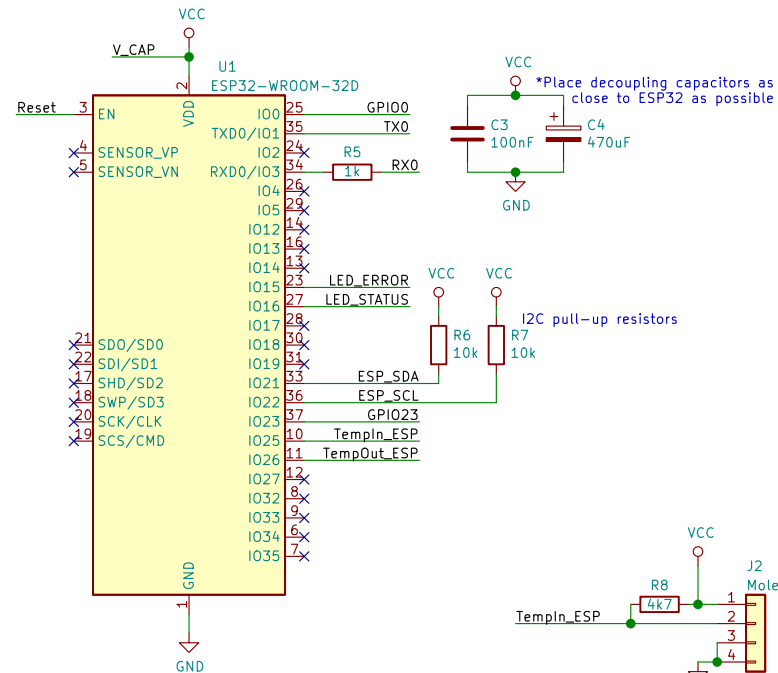
*SuperCapacitor Circuit still needs testing

*SuperCap charge resistor still needs to be calculated

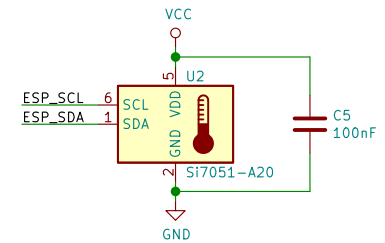
FTDI-Compatible programming header



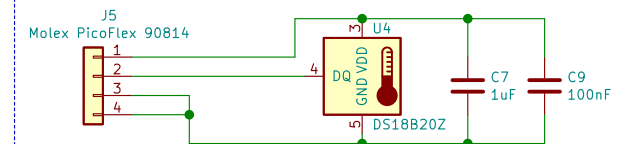
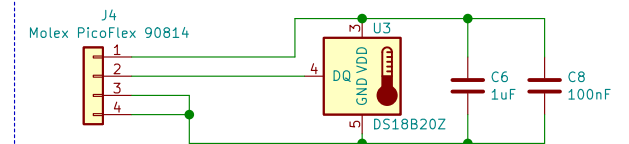
*TX and RX are ESP-Pins
pins are switched on
FTDI/CP2102 breakout



Si7051 I2C Temperature Sensor On same PCB as ESP32

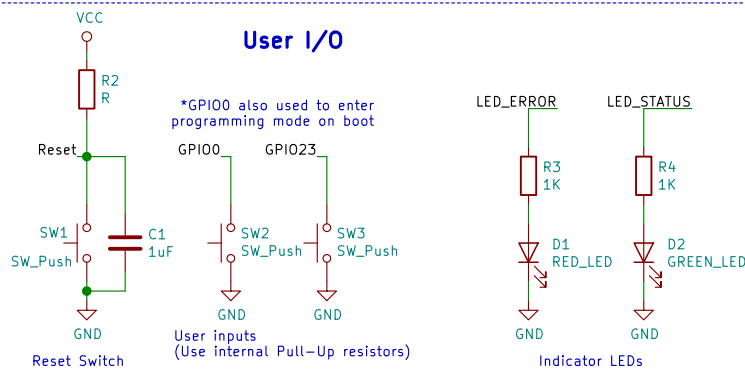


DS18B20 Temperature Sensors *On seperate breakout



*DS18B20 have extra capacitors due to the longer wires

User I/O



Reviewed by:
Author: Sjors Smit
Lectoraat Energietransitie

Sheet: /
File: TwomesSensor.sch

Title: Twomes Temperature Satellite

Size: A4 Date: 2021-04-12

KiCad E.D.A. kicad (5.1.5)-3

Rev: 1

Id: 1/1

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