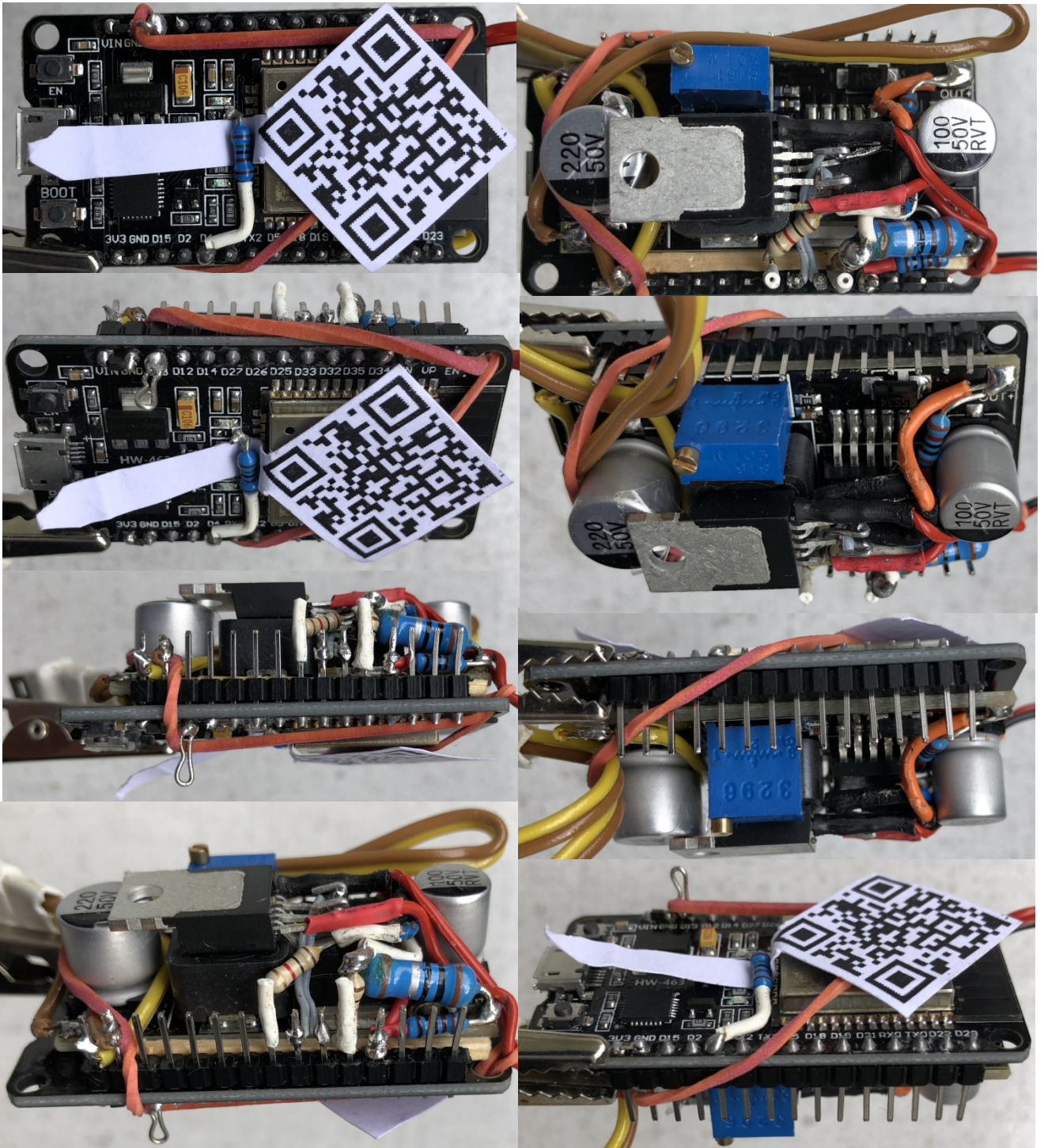


PiedPiperS circuit

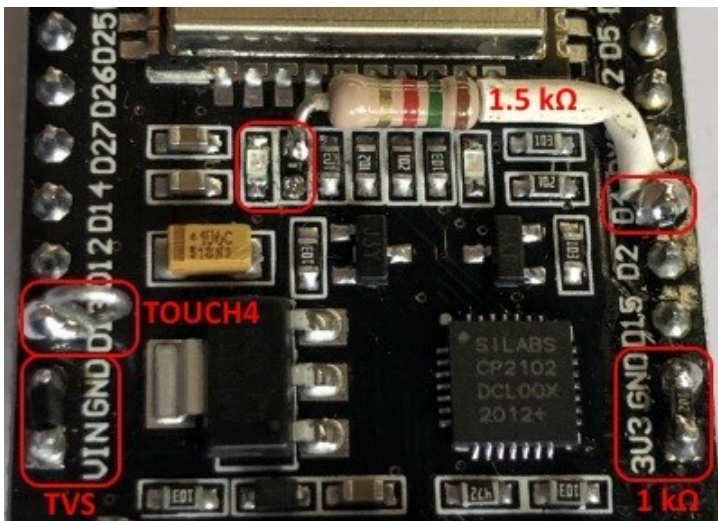
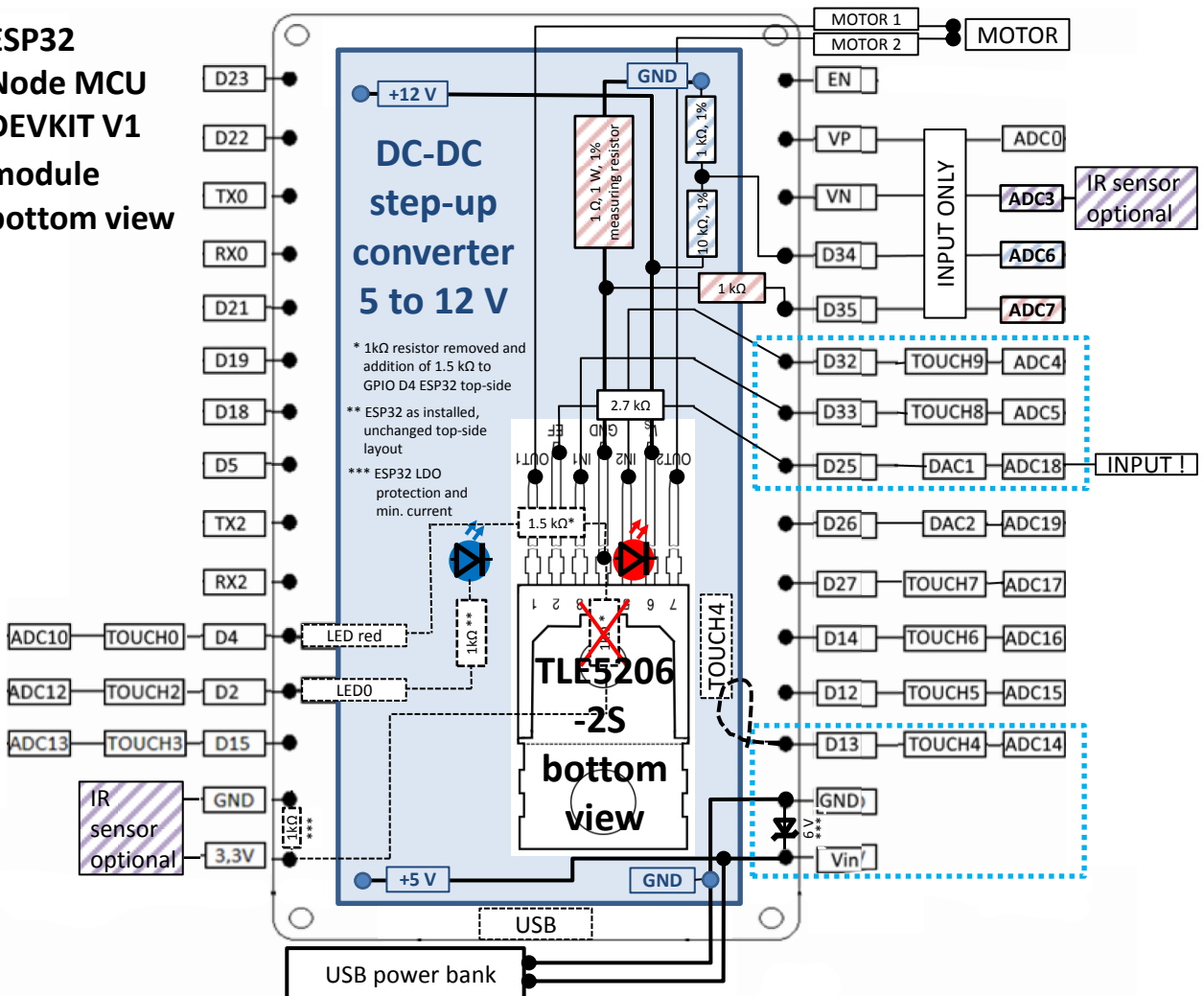
ESP32 DevKit V1, step-up converter and TLE5206-2S motor driver, incl. power measuring resistors



ESP32 & TLE5206-2S

integrated mounting and wiring with LDO protection,
incl. optional measuring resistors for power data reading

ESP32
Node MCU
DEVKIT V1
module
bottom view



ESP32 Node MCU DEVKIT V1
module top view:

- power LED modification by 1.5 kΩ resistor to D4 pin
- TOUCH4 pin wire loop
- TVS diode 6 V and load by 1 kΩ resistor at 3.3 V for LDO protection

PiedPiperS, version 191,
[GNU GPL v3](#), J. Ruppert 2021-05-13,
<https://github.com/jorail/PiedPiperS>

Reflective IR sensor optional

