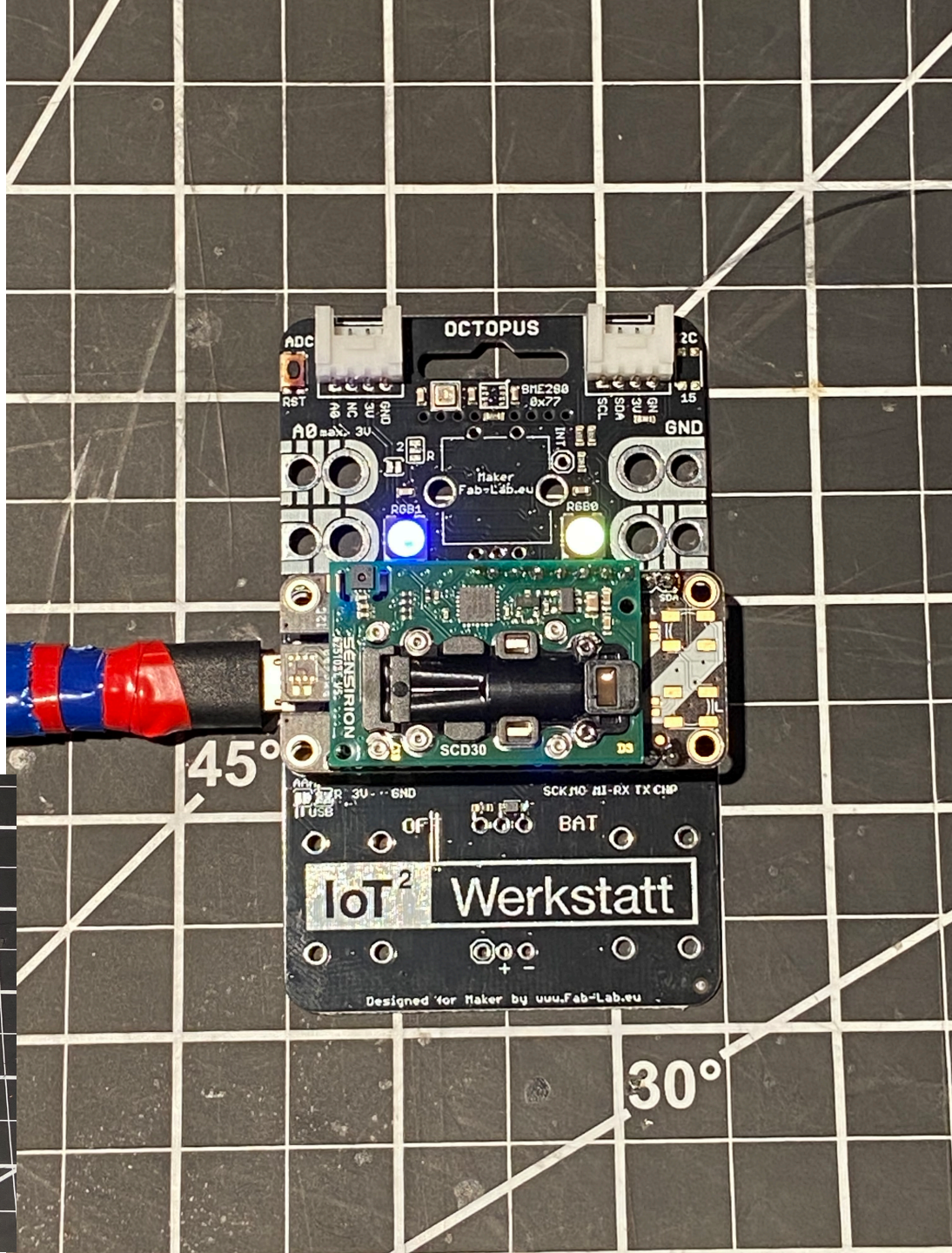
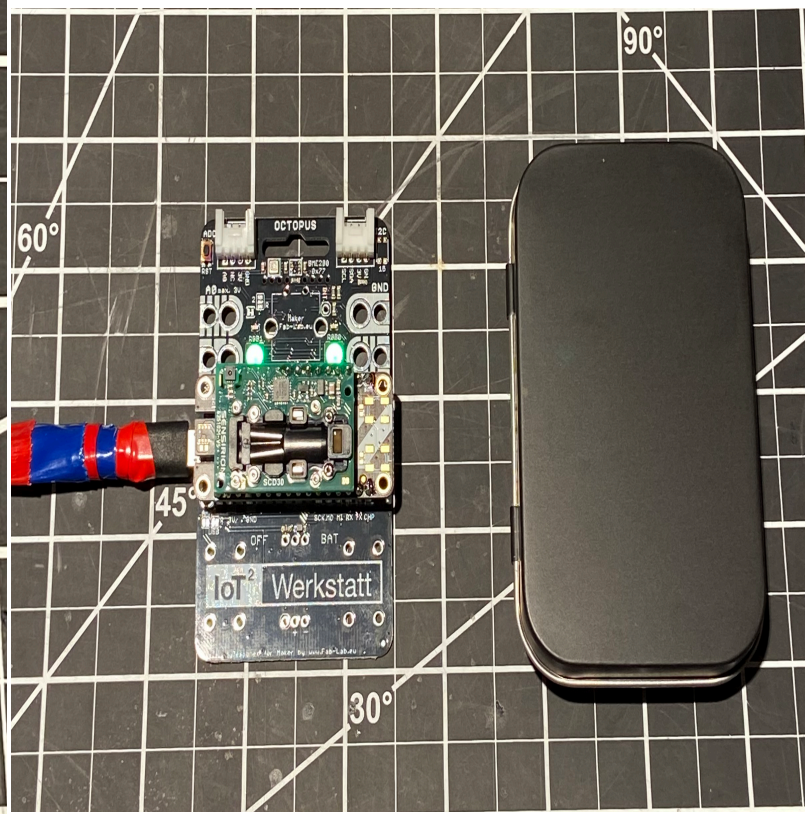


CO2 Traffic Light Kit - Beta - Quickstart Guide



Works
Right
Out of the
Box!



GROVE
(Analog [A0] 3.3V)

RESEST
(Button)

BME680
(0x76)

USB
(500mA fuse)

CP2104
(UART/USB)

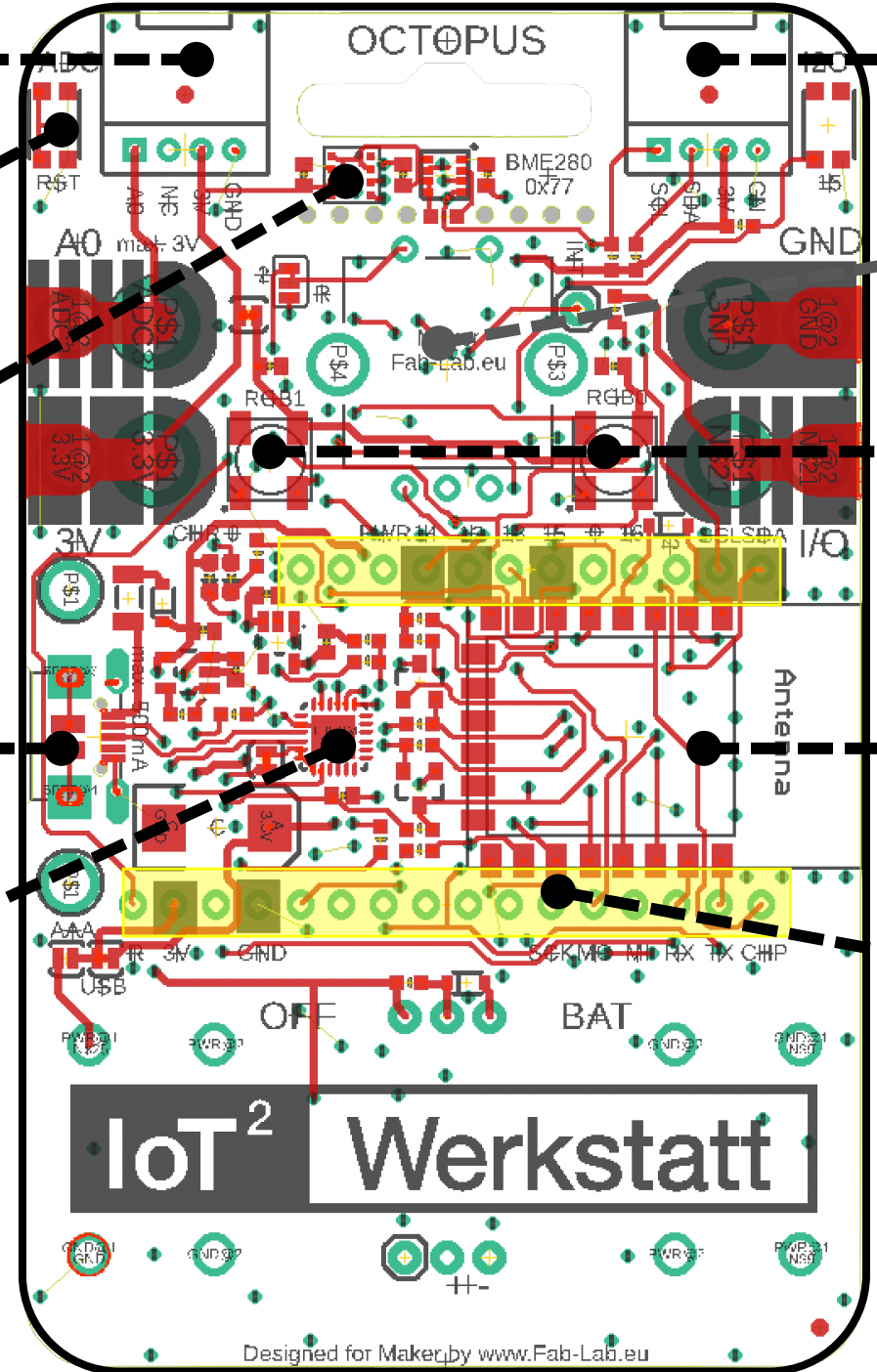
GROVE
(I2C [4,5] 3.3V)

RotaryEncoder
(optional)

NeoPixel
(13, 2x, RGBW)

ESP8266-12F

Feather Wing
(eg CO2 Wing)



IoT² Werkstatt

COPY & PASTE URLs

Last Updated 8/27/21

STEP 1

Install on your computer (Windows/Mac) the USB driver for the CP2104 (if not already installed) www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers

STEP 2

Windows

Download the portable Arduino IDE with all needed libraries and the Ardublock extension including the fantastic IoT blocks create by the IoT Werkstatt <https://seafile.rlp.net/f/bb6bdbfe28034cd4861a/>

Mac BigSur

Due to the change security you need first to install the Arduino IDE from arduino.cc in version 1.8.13, move it the Application folder, download the protable directory from <https://seafile.rlp.net/f/de2c9fe75e604b628f22/> unzip this and move it into the application package

STEP 3

Download sample code for the CO2 Traffic Light <https://github.com/make-iot/Make-Octopus-CO2-Traffic-Light>

More about the IoT Werkstatt, a STEM project from Germany

<https://www.umwelt-campus.de/en/research/projects/translate-to-englisch-iot-werkstatt>