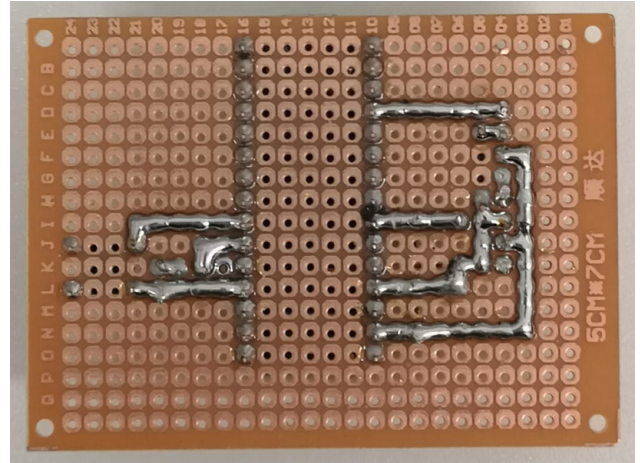
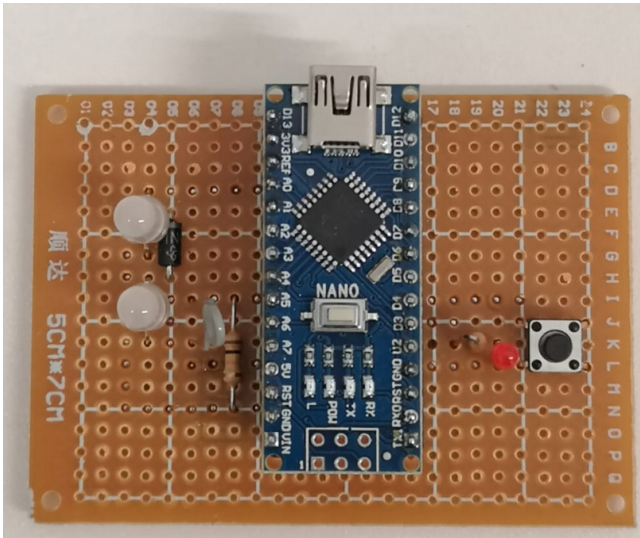
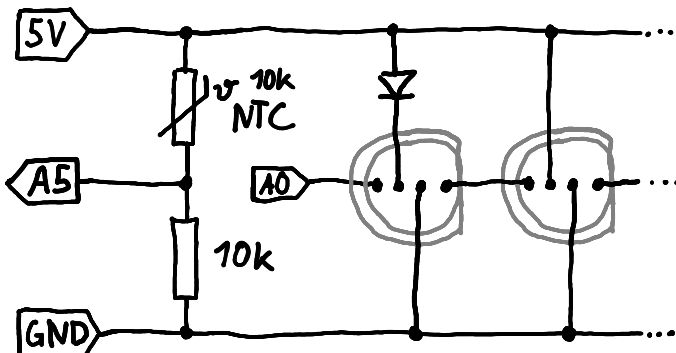
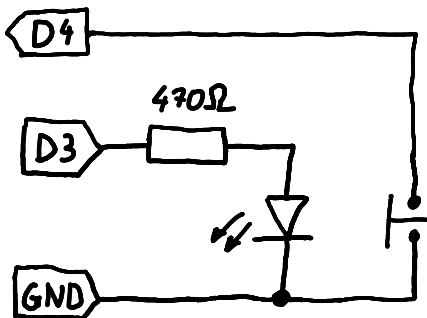
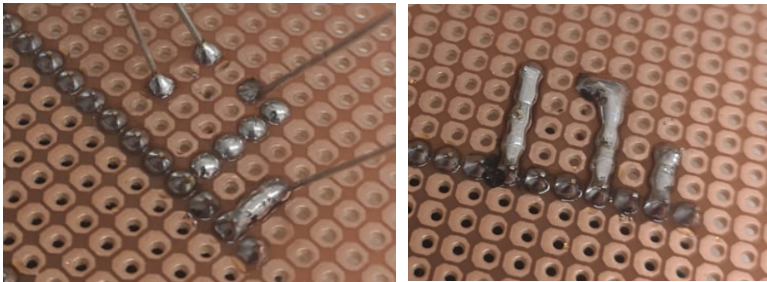


# MakerSpace[A]

## Löt-Workshop 2019-08-26



Lötzinräumen ziehen mit ca. 250°C  
oder beim Verbinden der Punkte leicht darauf blasen



```
#include "FastLED.h"
#define NUM_LEDS 2
CRGB leds[NUM_LEDS];

void setLED(bool v)
{
    pinMode(3, OUTPUT);
    digitalWrite(3, (v>0)?1:0);
}

bool getTaster()
{
    pinMode(4, INPUT_PULLUP);
    return (digitalRead(4)==LOW)?1:0;
}

float getTemperatur()
{
    pinMode(A5, INPUT);
    delay(1);
    float adc=analogRead(A5);
    float temp=-20.447159524*log((1023.0f-adc)/adc)+25.9064f;
    return temp;
}

void setup() {
    // put your setup code here, to run once:
    Serial.begin(115200);
    FastLED.addLeds<PL9823, A0>(leds, NUM_LEDS);
}

void loop() {
    // put your main code here, to run repeatedly:
    if (getTaster())
    {
        setLED(0);
        leds[0] = CRGB::Red;
        leds[1] = CRGB::Green;
        FastLED.show();
    }
    else
    {
        setLED(1);
        leds[1] = CRGB::Red;
        leds[0] = CRGB::Green;
        FastLED.show();
    }

    Serial.print("Temp=");
    Serial.println(getTemperatur());
    delay(100);
}
```