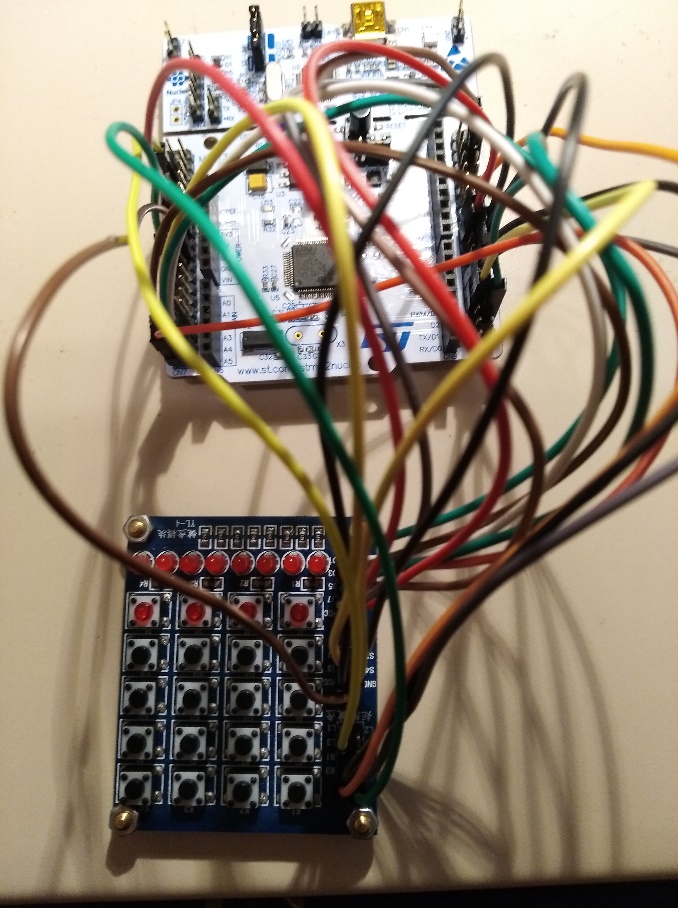
Ein- und Ausgabe mit LED-Keyboard und LCD-Display

|  |  |
| --- | --- |
| Nucleo | LCD |
| CN7 Pin 18 +5V | VCC |
| CN7 Pin 20 GND | GND |
| CN10 Pin 12 PA12 | SDA GPIO-Output  Opendrain Pullup Highspeed |
| CN10 Pin 14 PA11 | SCL GPIO-Output  Highspeed |
|  | LED Keyboard |
| CN7 Pin 16 3,3V | VCC |
| CN7 Pin 34 PB0 | S1 GPIO-Input kein Pull |
| CN10 Pin 24 PB1 | S2 GPIO-Input kein Pull |
| CN10 Pin 22 PB2 | S3 GPIO-Input kein Pull |
| CN10 Pin 31 PB3 | S4 GPIO-Input kein Pull |
| CN7 Pin 20 GND | GND |
| CN7 Pin 19 GND | L1 |
| CN10 Pin 33 PA10 | R1 GPIO-Input Pullup |
| CN10 Pin 13 PA6 | R2 GPIO-Input Pullup |
| CN7 Pin 30 PA1 | R3 GPIO-Input Pullup |
| CN10 Pin 27 PB4 | R4 GPIO-Input Pullup |

Anschlussbelegung und Konfiguration:

Beachten Sie: Die LEDs sind Lowaktiv!!

Eventuell **mvn R0,R0** Instruktion zur Negation verwenden.

LCD-Display i2C

SCL

SDA

VCC

GND



LED

Taste

D2

D4

D6

D8

D1

D3

D5

D7

VCC

S2

S4

4

GND

S1

S3

VCC

L1

L3

R1

R3

L2

L4

R2

R4

PB0

PB1

PB2

PB3

PA10

PA6

PA1

PB4

PC0

PC1

PC2

PC3

PC4

PC5

PC6

PC7