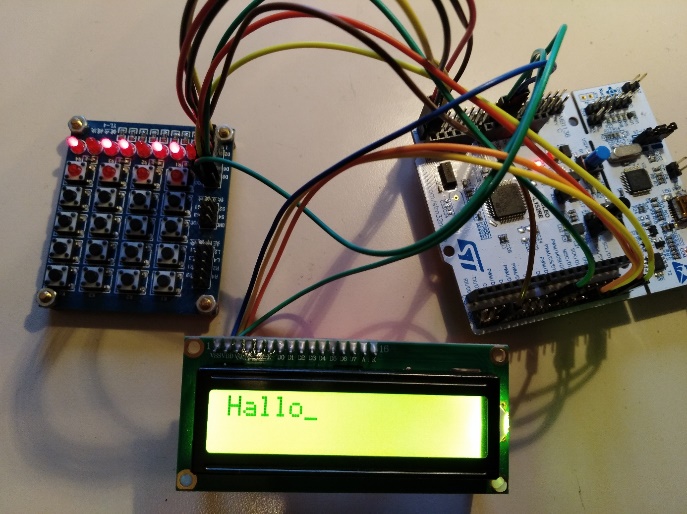
Erstes Assemblerprogramm mit LED-Keyboard und LCD-Display

|  |  |
| --- | --- |
| 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 38 PC0 | D1 GPIO-Output |
| CN7 Pin 36 PC1 | D2 GPIO-Output |
| CN7 Pin 35 PC2 | D3 GPIO-Output |
| CN7 Pin 37 PC3 | D4 GPIO-Output |
| CN10 Pin 34 PC4 | D5 GPIO-Output |
| CN10 Pin 6 PC5 | D6 GPIO-Output |
| CN10 Pin 4 PC6 | D7 GPIO-Output |
| CN10 Pin 19 PC7 | D8 GPIO-Output |
| CN7 Pin 16 3,3V | VCC |

Anschlussbelegung und Konfiguration:

Beachten Sie: Die LEDs sind Lowaktiv!!

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



LED

Taste

LCD-Display i2C

SCL

SDA

VCC

GND

D2

D4

D6

D8

D1

D3

D5

D7

VCC