SSD1306 128 x 64 OLED (0x3C)

| | |
|---|---|
| VCC_IN | 2 → +5V |
| SCL | 3 |
| SDA | 4 |
| GND | 1 → GND |

Pullups are Built-in Module

TCS34725 (0x29)

| | |
|---|---|
| VIN | 1 → +5V |
| GND | 2 → GND |
| 3V3 | 3 |
| SCL | 4 |
| SDA | 5 |
| INT | 6 |
| LED | 7 |

NUCLEO STM32G031K8

SCL 1
SDA 2

| CN3 | | | CN4 | |
|---|---|---|---|---|
| PB6(D1) | 1 | | VIN | 1 |
| PB7(D0) | 2 | | GND | 2 → GND |
| NRST | 3 | | NRST | 3 |
| GND | 4 ← GND | | +5V | 4 → +5V |
| PA15(D2) | 5 | | PA7(A7) | 5 |
| PB1(D3) | 6 | | PA6(A6) | 6 |
| PA10(D4) | 7 | | PA11(A5) | 7 |
| PA9(D5) | 8 | | PA12(A4) | 8 |
| PB0(D6) | 9 | | PA5(A3) | 9 |
| PB2(D7) | 10 | | PA4(A2) | 10 |
| PB8(D8) | 11 | | PA1(A1) | 11 |
| PA8(D9) | 12 | | PA0(A0) | 12 |
| PB9(D10) | 13 | | AREF | 13 |
| PB5(D11) | 14 | | +3V3 | 14 |
| PB4(D12) | 15 | | PB3(D13) | 15 |

CN3    CN4

Powered by USB on dev board

NOTE: 5V --> 3V3 in pcb design