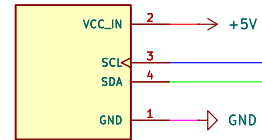
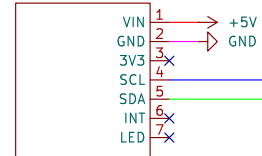


SSD1306 128 x 64 OLED (0x3C)

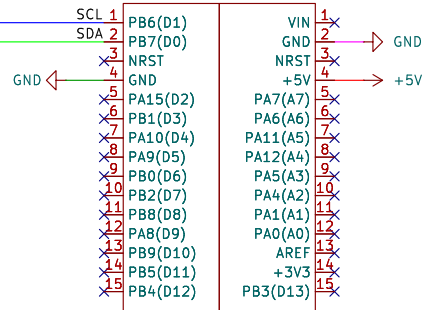


Pullups are Built-in Module

TCS34725 (0x29)



NUCLEO STM32G031K8



CN3 CN4
Powered by USB on dev board

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

Jaedyn Carbonell (CMPE2750 Project)

NAIT

Sheet: /

File: bread_schematic.kicad_sch

Title: RGB Reader Breadboard Design (Proof of Life)

Size: A4 Date: 2025-10-21

KiCad E.D.A. 9.0.4

Rev: 2

Id: 1/1