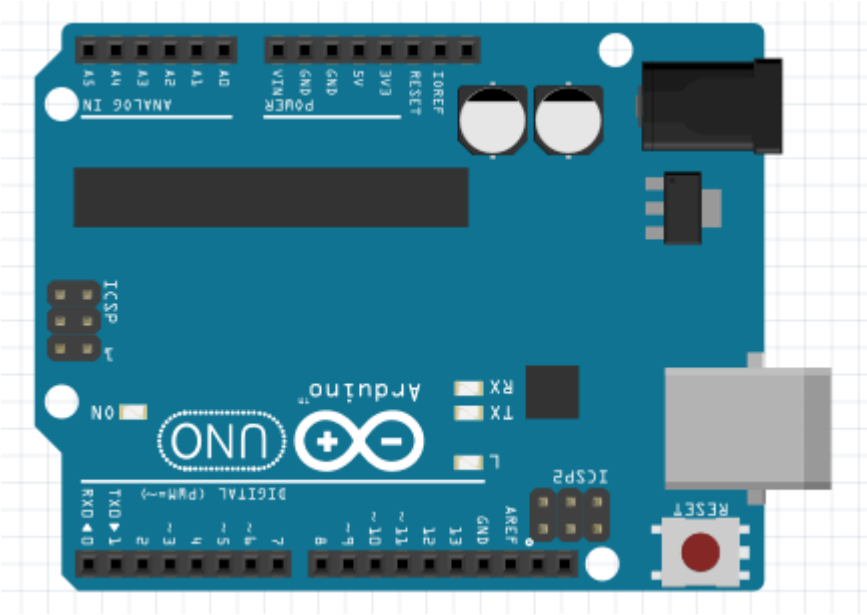
C_ARDUINO - OLED SSD1306 i2c
https://github.com/teaksoon/c_arduino_comp



HARDWARE
1x Computer with Arduino IDE Software
1x USB 2.0 Type A/B Data Cable
1x Arduino Uno Board
1x Solderless Breadboard
Nx Jumper wires

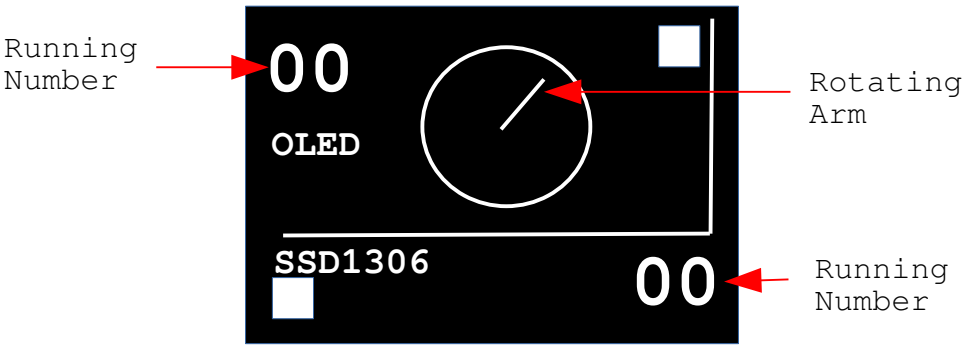
1x OLED SSD1306 i2c

OLED SSD1306 i2c VCC to Arduino Uno 3.3V
OLED SSD1306 i2c GND to Arduino Uno Gnd
OLED SSD1306 i2c SDA to Arduino SDA (Pin A4)
OLED SSD1306 i2c SCL to Arduino SCL (Pin A5)

C_ARDUINO – OLED SSD1306 i2c
https://github.com/teaksoon/c_arduino_comp

Source code: **ssd1306_i2c_buffer_demo**
Download from:
https://github.com/teaksoon/c_arduino_comp/blob/main/2022_01_14_oled_ssd1306_i2c_source.zip
Upload PROGRAM, watch the OLED SCreen

Source Codes are long, will not be posted here. Please download to see

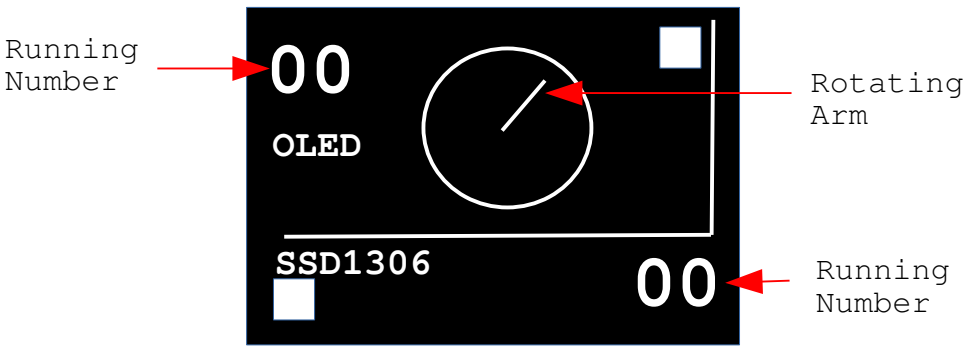



```
Done uploading.

Sketch uses 4422 bytes (13%) of program storage space. Maximum is 32256 bytes.
Global variables use 1102 bytes (53%) of dynamic memory, leaving 946 bytes for local variables. Maximum is 2048 bytes.

1
```

Full 64x128pixel graphics, needs extra 12% MEMORY compared to the codes below (1102 bytes of SRAM for this demo)

Source code: **ssd1306_i2c_buffer6_demo**
Download from:
https://github.com/teaksoon/c_arduino_comp/blob/main/2022_01_14_oled_ssd1306_i2c_source.zip
Upload PROGRAM, watch the OLED SCreen

Source Codes are long, will not be posted here. Please download to see




```
Done uploading.

Sketch uses 4718 bytes (14%) of program storage space. Maximum is 32256 bytes.
Global variables use 846 bytes (41%) of dynamic memory, leaving 1202 bytes for local variables. Maximum is 2048 bytes.

1
```

Exactly the same OLED output as above. Partial 48x128pixel graphics + 2 rows of text based display at bottom, uses 12% MEMORY less (846 bytes of SRAM for this demo)