0.91 Inch I2C SSD1306 OLED Display Module DC 3.3V-5V
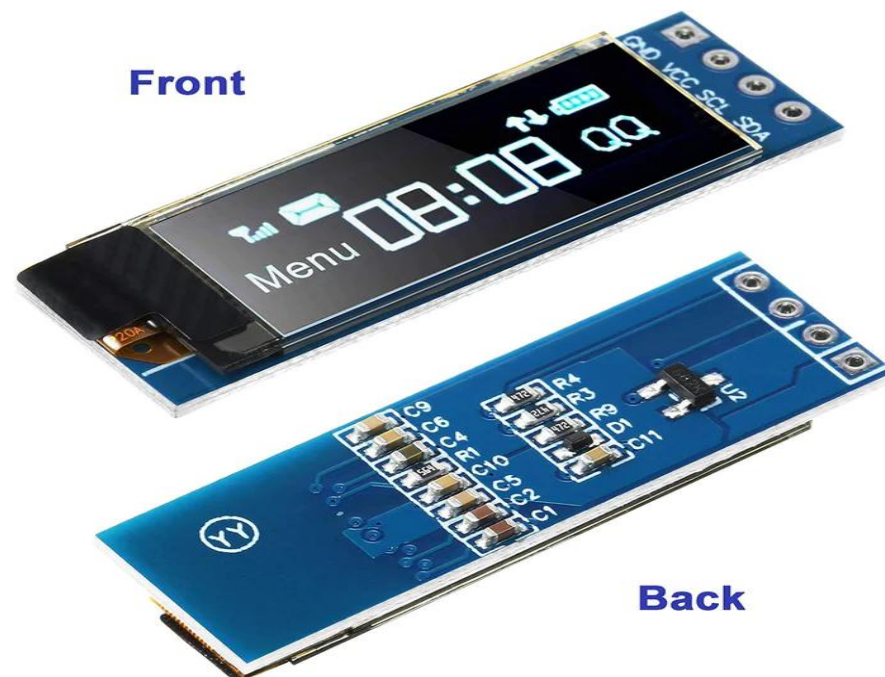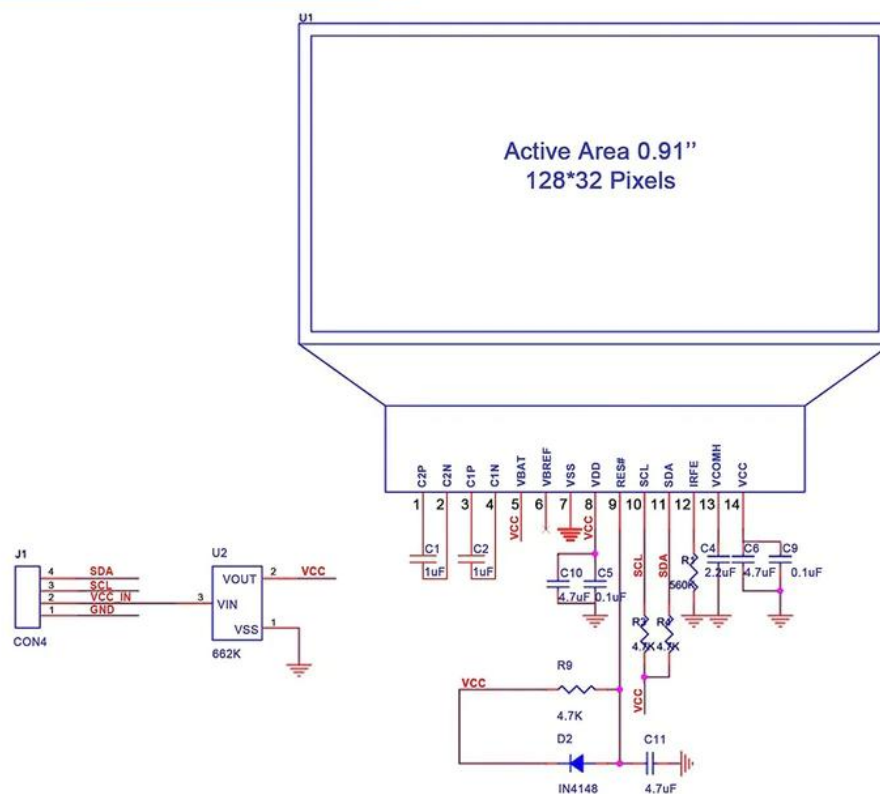
DC Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Supply Voltage for Logic	V_{DD}		1.65	2.8	3.3	V
Supply Voltage for Display (Supplied Externally)	V_{CC}	Note 5 (Internal DC/DC Disable)	6.4	-	9.0	V
Supply Voltage for DC/DC	V_{BAT}	Internal DC/DC Enable	3.5	-	4.2	V
Supply Voltage for Display (Generated by Internal DC/DC)	V_{CC}	Note 6 (Internal DC/DC Enable)	7	7.25	7.5	V
High Level Input	V_{IH}	$I_{OUT} = 100\mu A$, 3.3MHz	$0.8 \times V_{DD}$	-	V_{DD}	V
Low Level Input	V_{IL}	$I_{OUT} = 100\mu A$, 3.3MHz	0	-	$0.2 \times V_{DD}$	V
High Level Output	V_{OH}	$I_{OUT} = 100\mu A$, 3.3MHz	$0.9 \times V_{DD}$	-	V_{DD}	V
Low Level Output	V_{OL}	$I_{OUT} = 100\mu A$, 3.3MHz	0	-	$0.1 \times V_{DD}$	V
Operating Current for V_{DD}	I_{DD}		-	180	300	μA
Operating Current for V_{CC} (V_{CC} Supplied Externally)	I_{CC}	Note 7	-	10	16	mA
Operating Current for V_{BAT} (V_{CC} Generated by Internal DC/DC)	I_{BAT}	Note 8	-	23.0	29.0	mA
Sleep Mode Current for V_{DD}	$I_{DD, SLEEP}$		-	1	5	μA
Sleep Mode Current for V_{CC}	$I_{CC, SLEEP}$		-	2	10	μA

Description

OLED display, no need backlight, self-illumination.Display Color: Blue.
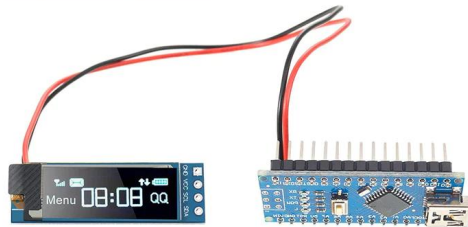
Plz note: These I2C OLED Display Module comes without pin headers

The display performance is better than the traditional LCD display, also lower consumption; IIC (I2C communications) simplifies connections

Use with Arduino, ESP8266, ESP32, STM32, etc; 3.35v Power
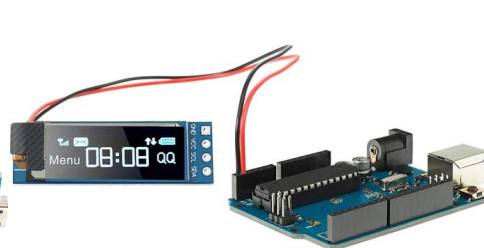
Operating temperature:-40 - 85 ℃; Resolution: 128 x 32

OLED   **Arduino Nano**

GNO ←——————→ GND
VCC ←——————→ 5V
SCL ←——————→ A5
SDA ←——————→ A4

OLED   **Arduino UNO R3**

GNO ←——————→ GND
VCC ←——————→ 5V
SCL ←——————→ A5
SDA ←——————→ A4

Specifications

Driver IC: SSD1306
Size: 0.91 inch OLED
Resolution: 128 x 32
Size: 38 * 12 mm
Interface Type: IIC interface
Display Color: Blue
Pin Description:

GND: Power Ground
VCC: Power + (DC 3.3 ~5v)
Operating temperature: -40 ~ 85 ℃
SCL: Clock Line
SDA: Data Line

Package Including
1 * 0.91 Inch I2C SSD1306 OLED Blue Display Module