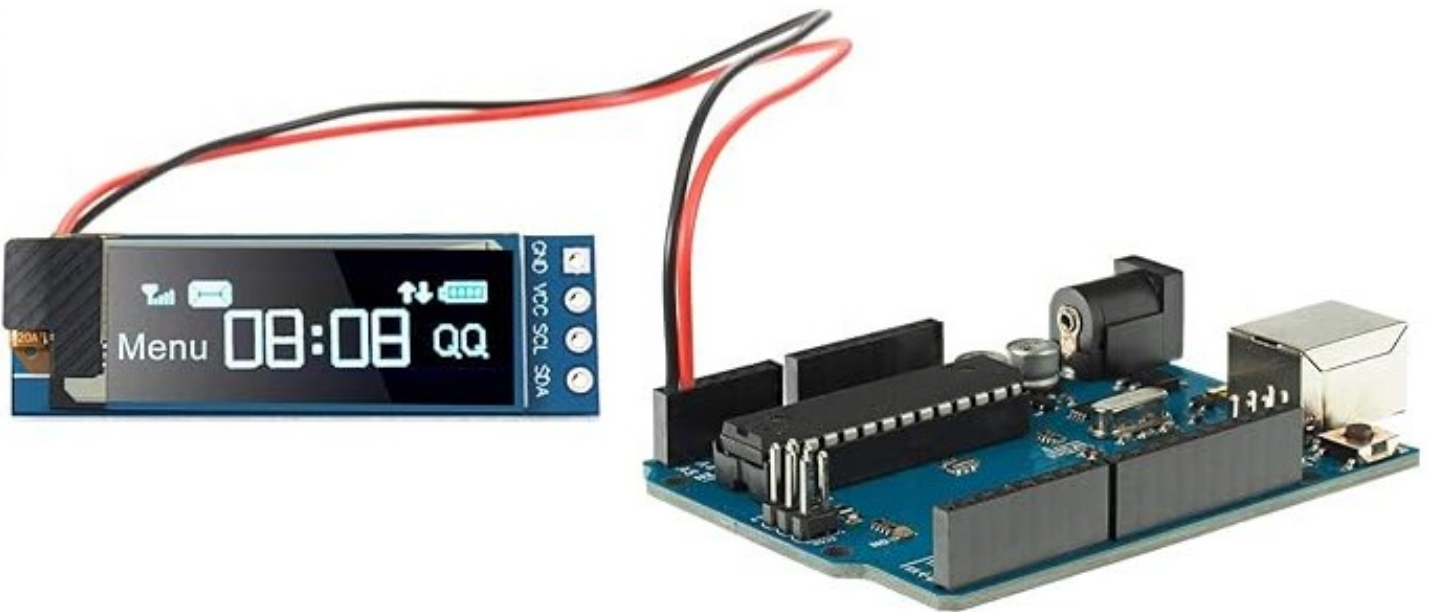




# Application



**OLED**

**Arduino UNO R3**

**GND** ← → **GND**

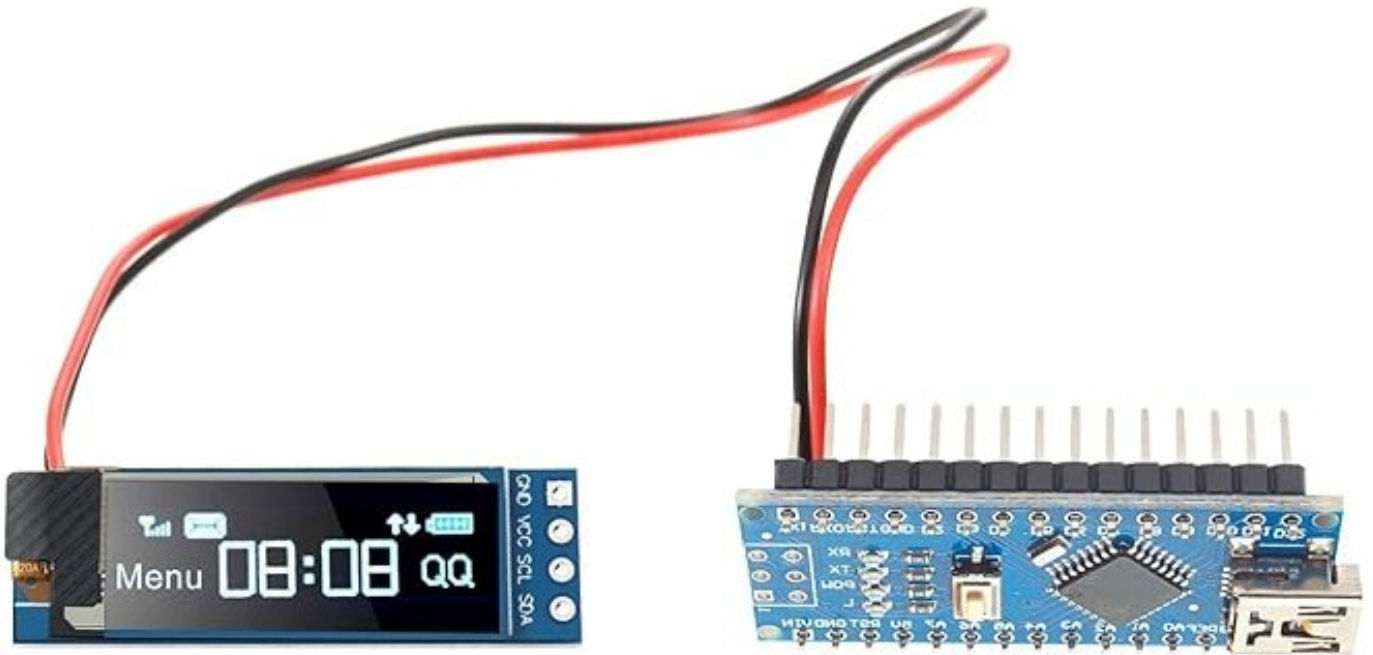
**VCC** ← → **5V**

**SCL** ← → **A5**

**SDA** ← → **A4**



## Application



**OLED**

**Arduino Nano**

**GND** ← → **GND**

**VCC** ← → **5V**

**SCL** ← → **A5**

**SDA** ← → **A4**





## 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	$\mu A$
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	$\mu A$
Sleep Mode Current for $V_{CC}$	$I_{CC, SLEEP}$		-	2	10	$\mu A$

Roll over image to zoom in



Front



Back



Roll over image to zoom in

