Franz Hansmann
Albrecht-Dürer-Str. 6
D-40764 Langenfeld
☎ ++49 (0)2173-202 7007
🖷 ++49 (0)2173-202 7269
✉ info@net4web.de
www.net4web.de

Datasheet: net4web OLED Display 0,96" Zoll I2C 128x64Pixel white, blue, yellow and blueyellow, SSD1306, compatible with Arduino and Raspberry Pi

Partnumber (white):	**0711906113991**
Partnumber (blue):	**0711906114004**
Partnumber (yellow):	**0711906114011**
Partnumber (blueyellow):	**0711906114028**

Contents

Description:

The net4web OLED display 0.96" inch is a small, high-resolution display using OLED technology. In contrast to e.g. LCD displays, OLED does not require any complex background lighting, but rather stimulates the individual pixels to light up directly. The display has an I2C interface and can be connected directly to an Arduino microcontroller, for example, via just four connections.The I2C address can be changed on the back by re-soldering a resistor.This way you can connect two displays directly to one microcontroller and do not need an additional multiplexer.

We offer the displays in 4 different colors. Please note that the blue-yellow display has a gap between the two color areas.

In our examples, the display is always connected to +5V. But it can also be supplied with +3.3V.

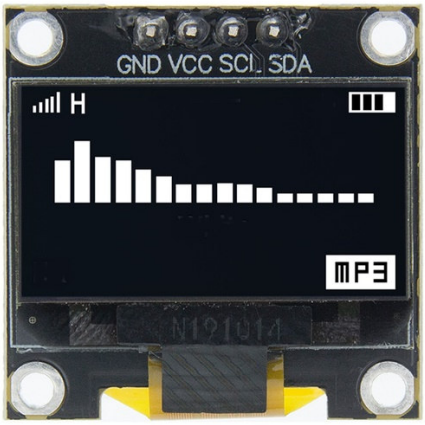
Franz Hansmann
Albrecht-Dürer-Str. 6
D-40764 Langenfeld
☎ ++49 (0)2173-202 7007
🖷 ++49 (0)2173-202 7269
✉ info@net4web.de
www.net4web.de

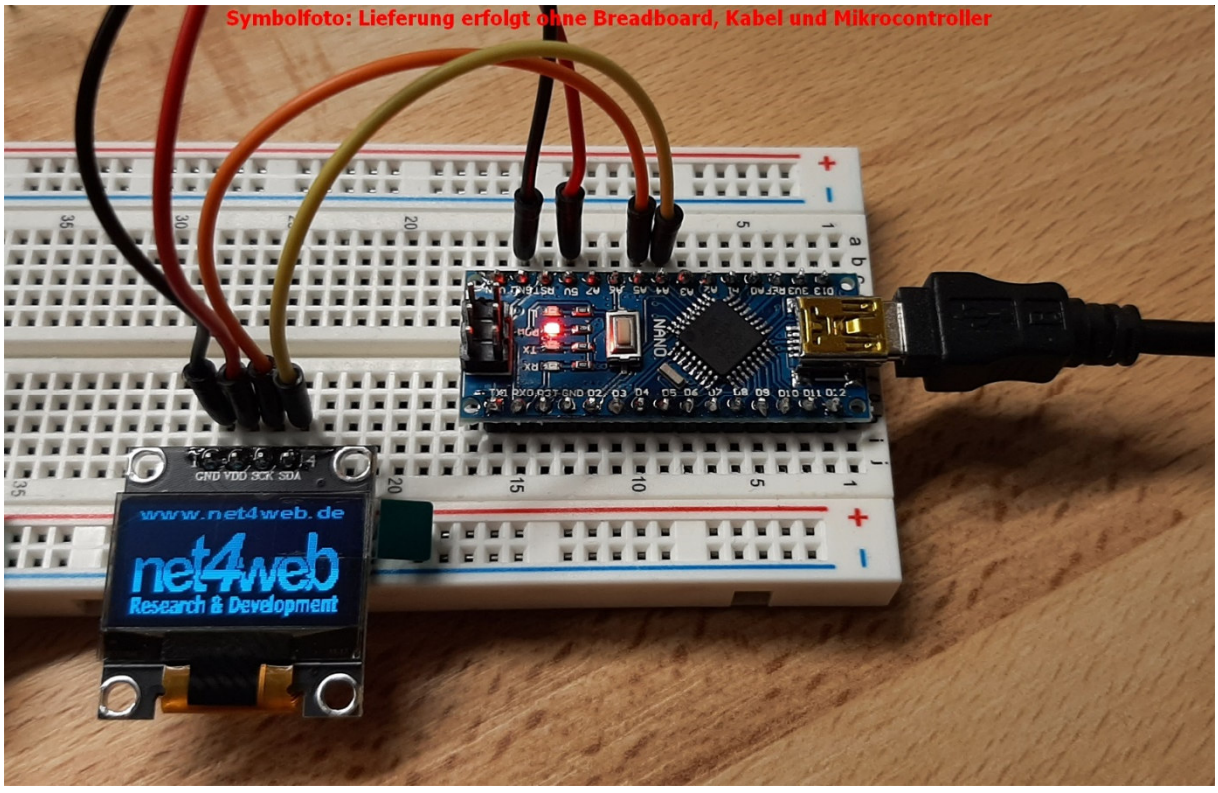
Technical Data:

Controller	SSD1306
Interface	I^2C
Pinout	GND (1), VCC (2), SCL (3), SDA (4)
Pixelcolor	white, blue, yellow or blueyellow
Viewing angle	>160°
Screen size	0,96" = 24,4mm
Resolution	128x64 Pixels
Pixelsize	0.152×0.152 mm
Operating voltage	+3,3V - +5V
Power consumption	Less than 11mA - 0,055W (at +5V)
Operating temperatur	-20°C bis +70°C
Weight	<4g
Dimensions	ca. 27mm x 27mm x 4,2mm (without plug)

Franz Hansmann
Albrecht-Dürer-Str. 6
D-40764 Langenfeld
☎ ++49 (0)2173-202 7007
🖷 ++49 (0)2173-202 7269
✉ info@net4web.de
www.net4web.de

Photos:

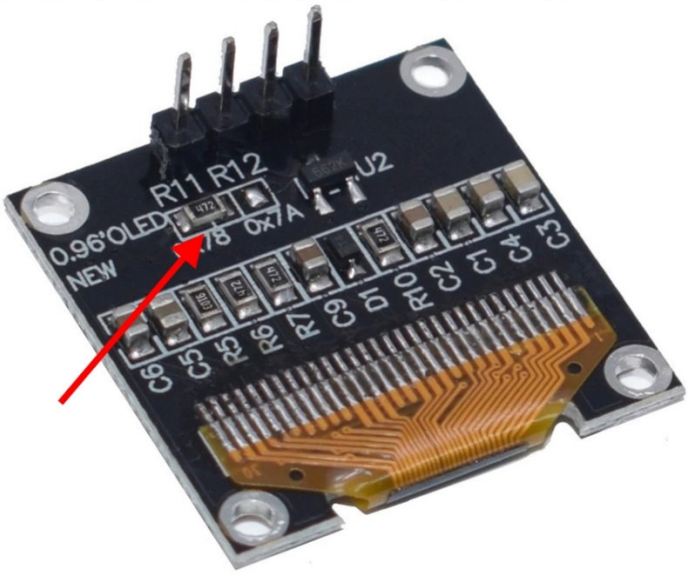




Franz Hansmann
Albrecht-Dürer-Str. 6
D-40764 Langenfeld
☎ ++49 (0)2173-202 7007
🖷 ++49 (0)2173-202 7269
✉ info@net4web.de
www.net4web.de

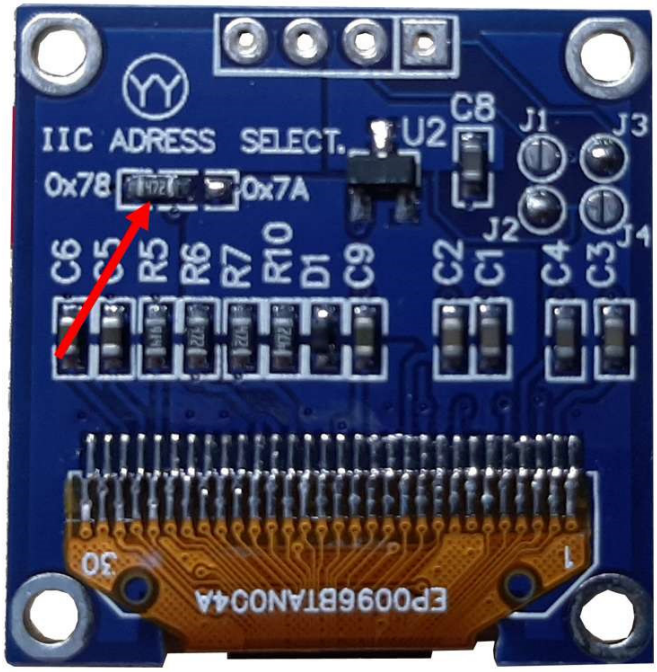
R11 (4,7kΩ) von R11 auf R12 versetzen ändert die I2C-Adress von 0x3C auf 0x3D.

Moving R11 (4.7kΩ) from R11 to R12 changes the I2C address from 0x3C to 0x3D.



Durch Umlöten des 4,7 kΩ Widerstands kann die I2C-Adresse von 0x3C auf 0x3D geändert werden.

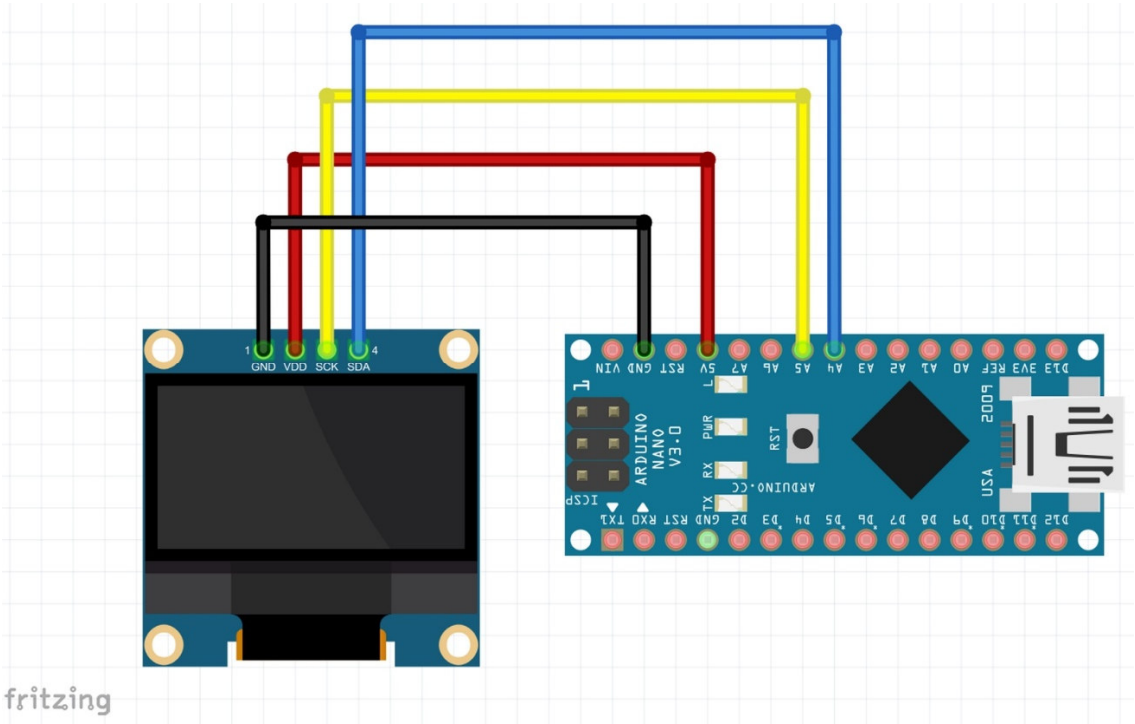
The I2C address can be changed from 0x3C to 0x3D by re-soldering the 4.7 kΩ resistor.

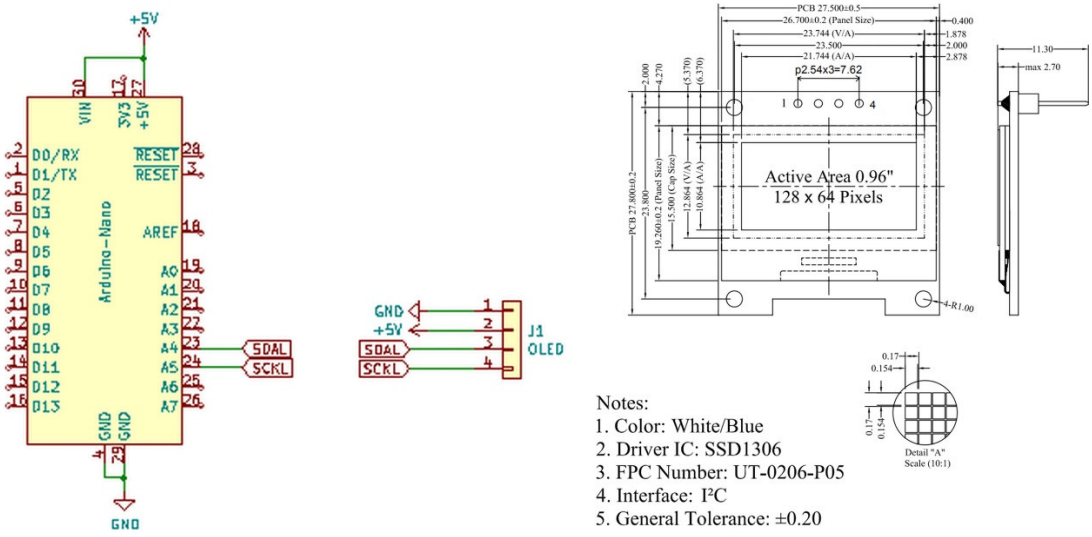


We offer both variants shown here, subject to availability.

This has no influence on quality or functionality.

net4web
Franz Hansmann
Albrecht-Dürer-Str. 6
D-40764 Langenfeld
☎ ++49 (0)2173-202 7007
🖷 ++49 (0)2173-202 7269
✉ info@net4web.de
www.net4web.de





Visit us online: **www.net4web.de**

In the ***Downloads*** area you will find the RoHS and CE declarations of conformity, as well as possibly additional technical information about this product.

The product must not be disposed of with household waste.

The product meets the requirements of the EU regarding the RoHS directive.

The product meets the requirements of the EU with regard to electromagnetic