

MicroVGA Arduino support

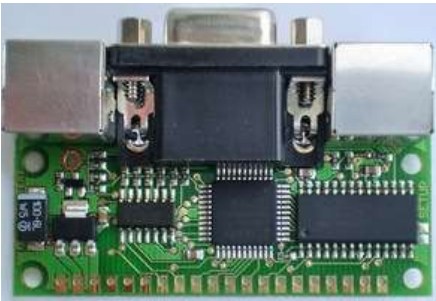
Arduino support

MicroVGA-TEXT module supports Arduino since firmware version 0.5. Free Arduino MicroVGA library is available for download (tested with Arduino version 0017).
The MicroVGA communicates with the Arduino in SPI mode, which means that you can use serial port for other purposes (bootloader,etc).

Arduino hardware connection

Connect MicroVGA-TEXT to you Arduino as follows:

MicroVGA-TEXT pin	Symbol	Arduino connection
1	GND	Arduino GND
2	+5V	Arduino 5V
3	+3V3 output	NOT CONNECTED
4	CS#	Arduino Digital 8
5	SCK	Arduino Digital 13
6	RDY#	Arduino Digital 9
7	MISO	Arduino Digital 12
8	MOSI	Arduino Digital 11



Important notice: You must select SPI communication mode in MicroVGA setup (short-circuit "SEUP pad" with power applied) and turn off and back on power supply.

Troubleshooting connection

In case of any problems with the library or MicroVGA module you might find these debug sketches useful:

- [arduino-uvga-test1](#)
- [arduino-uvga-test2](#)

Library download

- [μVGA Arduino library](#) (including tetris demo code)