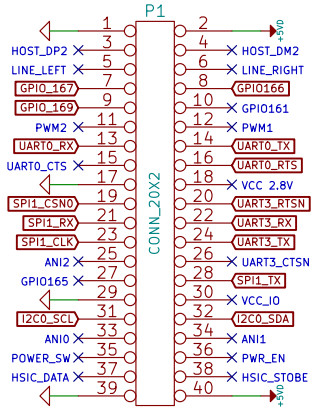
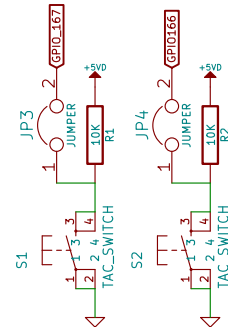


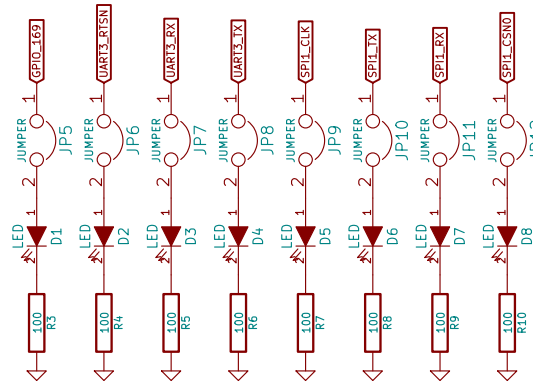
Header J8



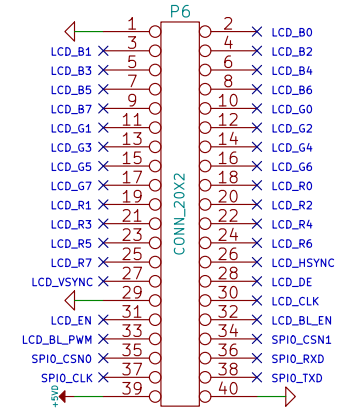
Buttons



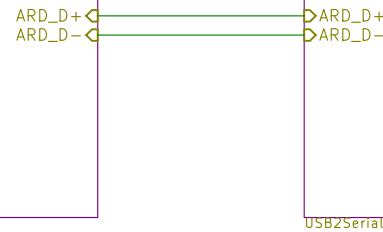
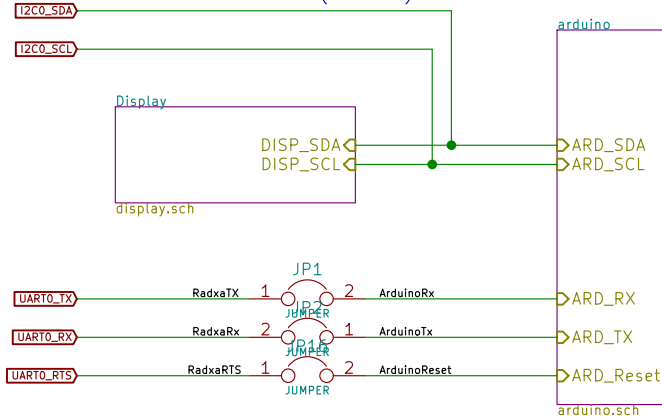
Leds



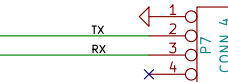
Header J15



I2C - bus (3.3V)



Header J7



mounting holes



avoid power warnings



OVERVIEW

- an 3,3V Arduino MICRO clone
- USB to Serial converter
- OLED char display 16x2

Sheet: /

File: rr_dev_board.sch

Title: Radxa Rock Pro Development Board

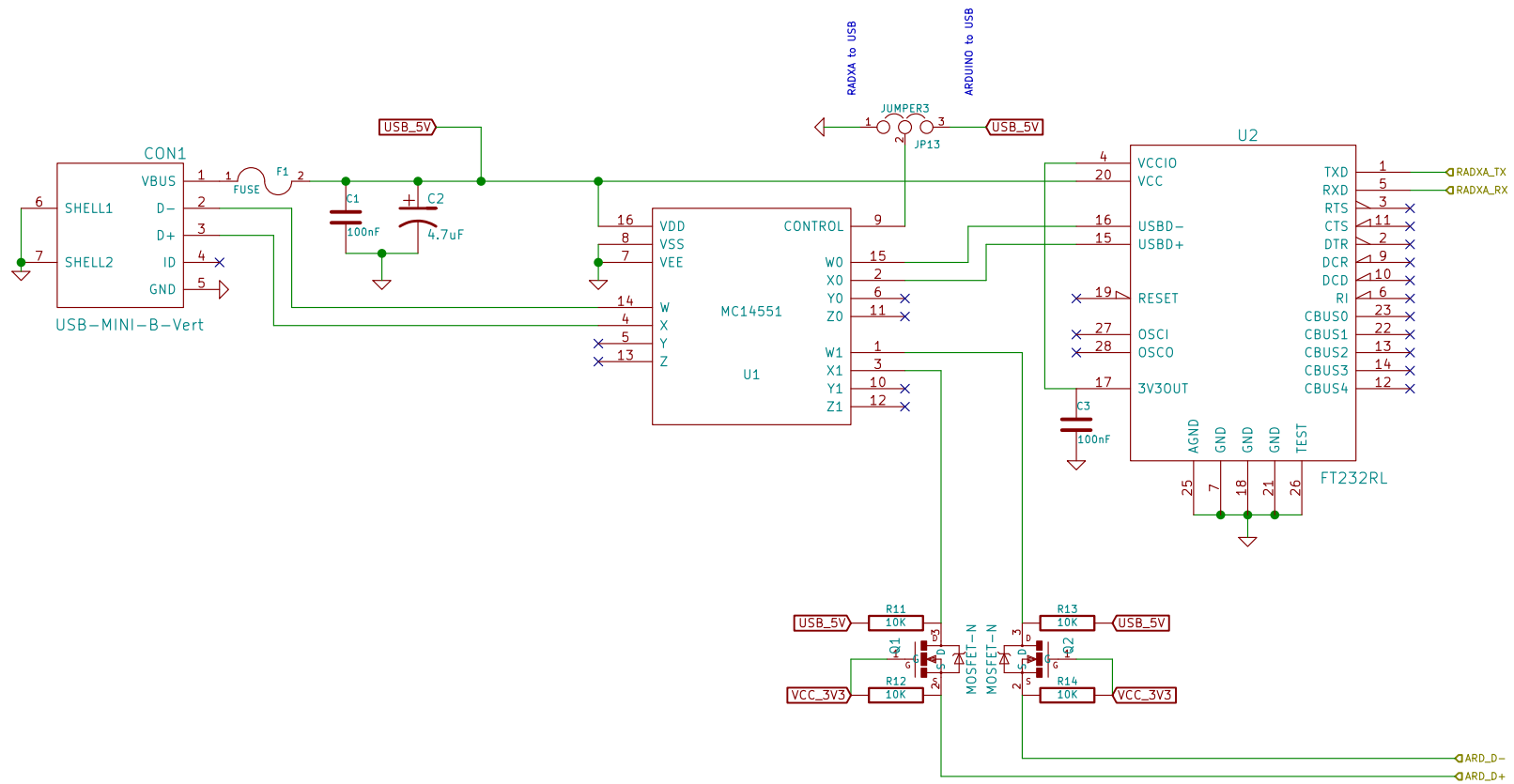
Size: A4

Date:

KiCad E.D.A. eeschema (2014-02-26 BZR 4721)-product

Rev:

Id: 1/4



USB to Serial converter
 - based on the FT232RL chip
 - selectable USB device: RADXA or ARDUINO

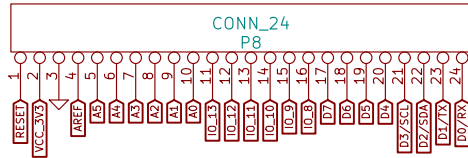
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Title: Radxa Rock Pro Development Board

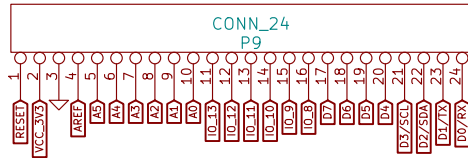
Size: A4 Date: KiCad E.D.A. eeschema (2014-02-26 BZR 4721)-product

Rev: Id: 2/4

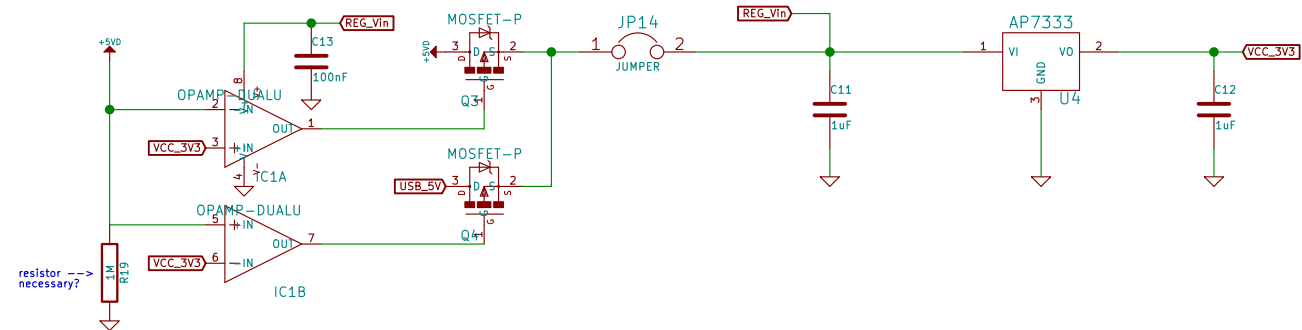
Arduino female headers



Arduino male headers

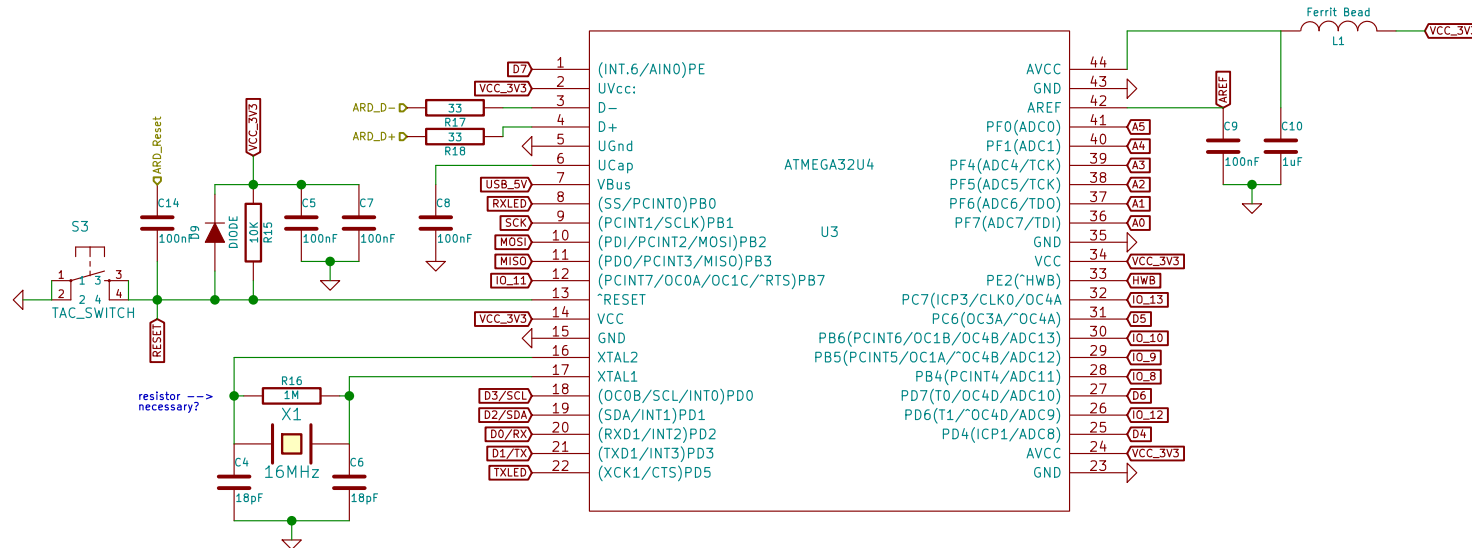


Voltage source selection

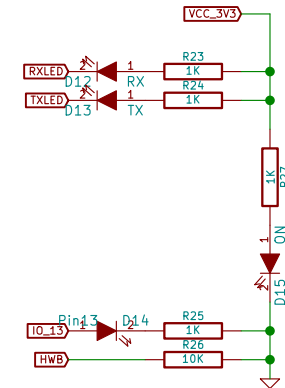


3.3V regulation

ATMEGA32U4



Status indication



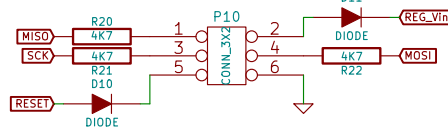
UART



I2C



ICSP



Resistors and diode protect arduino from 5V programmer

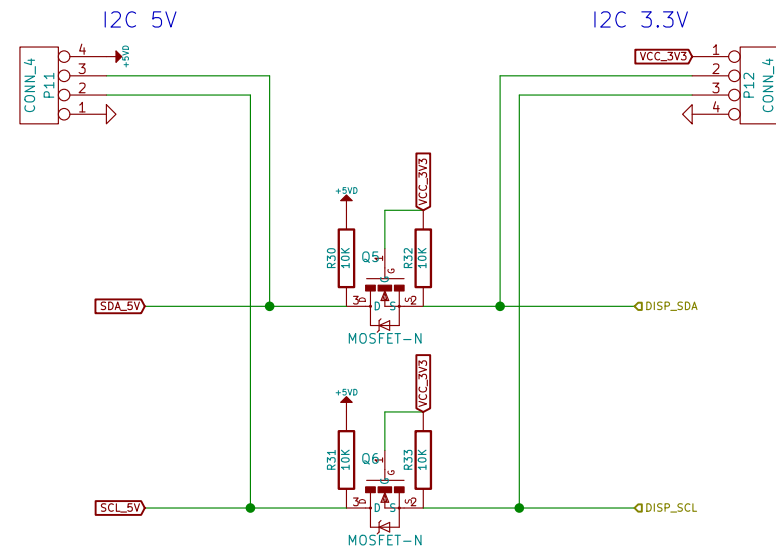
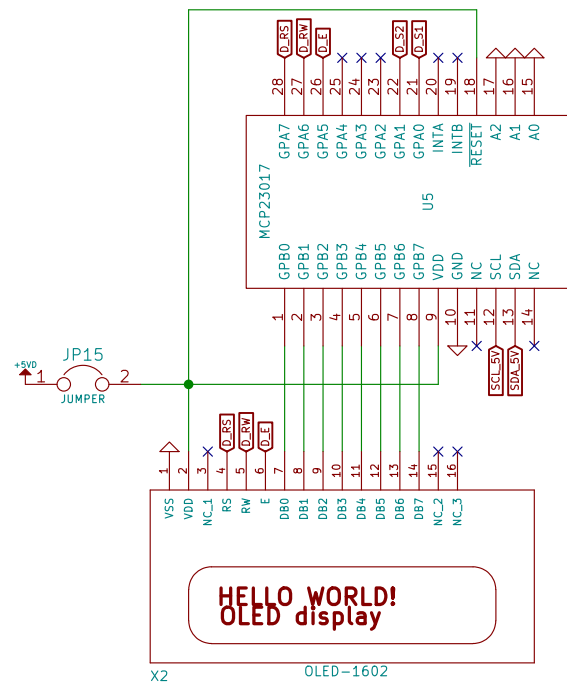
Arduino MICRO clone running at 3.3V
 - programmable with 5V ICSP programmer
 - arduino pins available on male and female headers

Sheet: /arduino/
 File: arduino.sch

Title: Radxa Rock Pro Development Board

Size: A4 Date: KiCad E.D.A. eeschema (2014-02-26 BZR 4721)-product

Rev: Id: 3/4



OLED char display 16x2
 - connected over i2c gpio expander
 - additional i2c connectors (5V and 3.3V)

Sheet: /Display/
 File: display.sch

Title: Radxa Rock Pro Development Board

Size: A4 Date: KiCad E.D.A. eeschema (2014-02-26 BZR 4721)-product

Rev: Id: 4/4