

Open source hardware

Beagle board, *duino, π

Why OSH

- Allow users to tweak the software and repurpose (Switch OS, FW, drivers etc)
- Extend the supported period (Community patches)
- Pick up manufacturing if the manufacturer drops the product
- Trust - not as simple as OSS ([*](#))
- Education

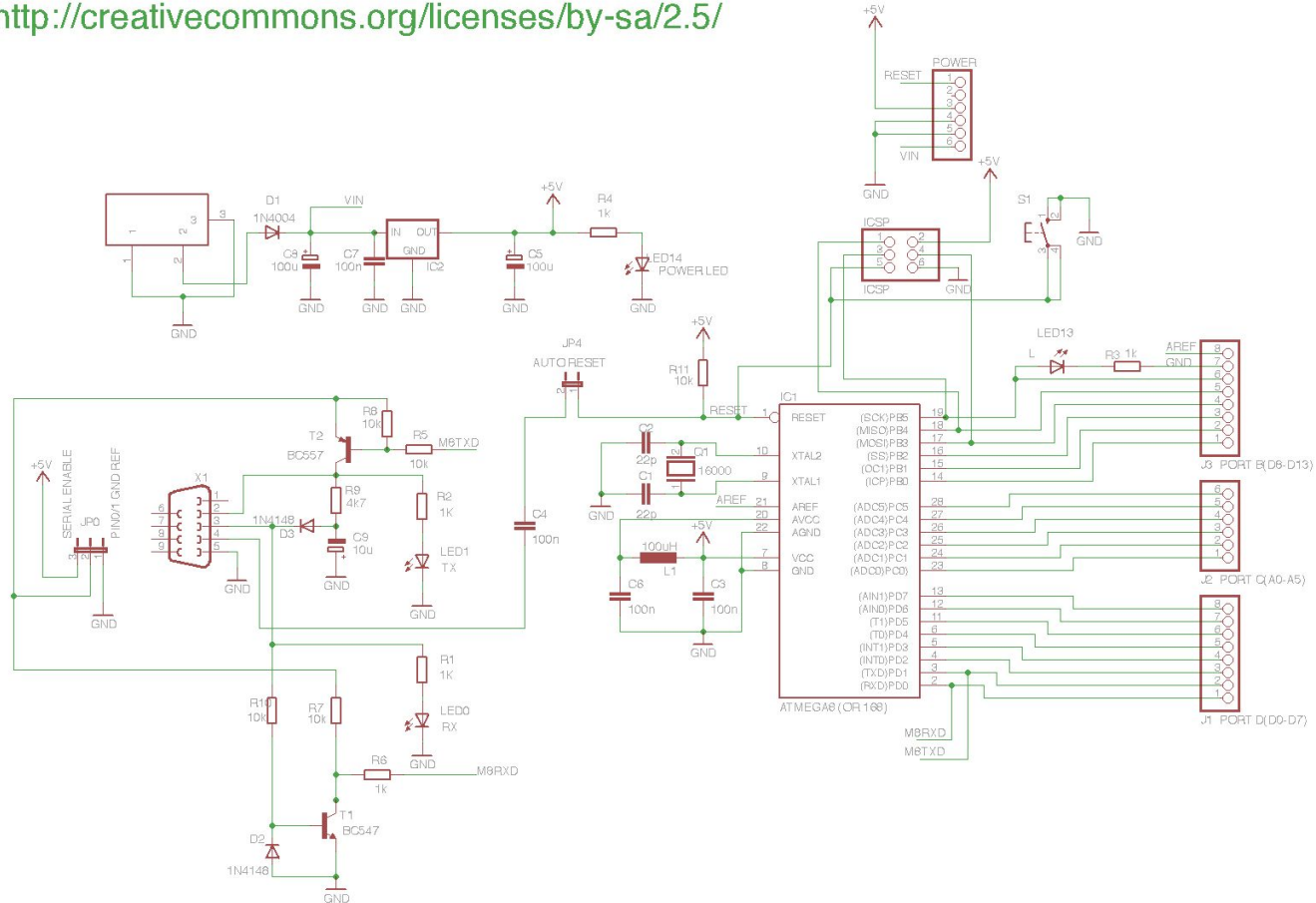
Examples

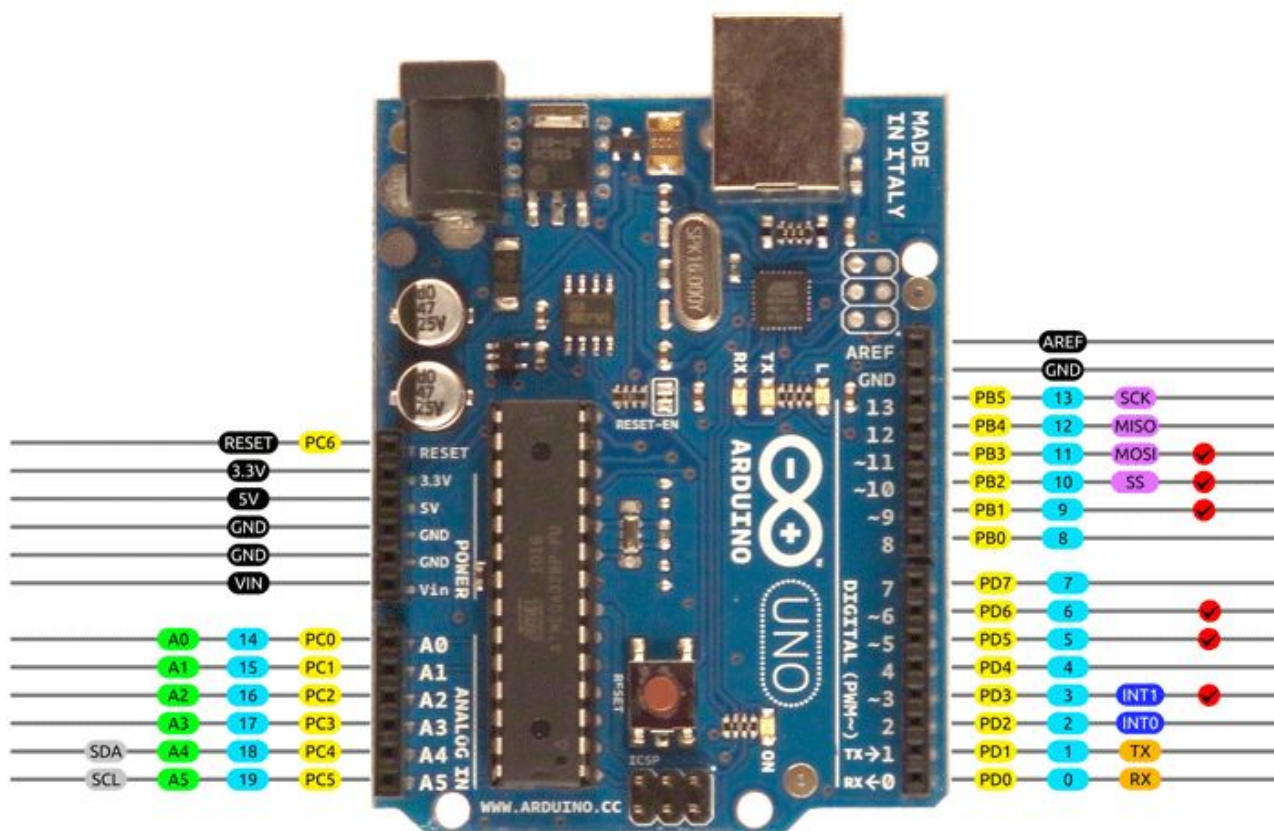
- Single board Computers (SBC)
 - Beagle board
 - RPI
 - Banana PI
- Microcontroller boards
 - Arduino
 - Adafruit Feather
 - SparkFun Thing

Arduino S3v3 Revision 2

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AVR DIGITAL ANALOG POWER SERIAL SPI I2C PWM INTERRUPT

How do I get started?

- Get an Arduino, a bread board, some jumper cables and some basic components
- Download the Arduino IDE
- Dust off your C++(*) skills
- Get cracking!

(*) Or TinyGo, or JS/Python for remote control

Arduino uno - proximity sensor example

- Arduino uno
- Breadboard
- Jumper cables
- 3 LEDs + 3 resistors
- Adafruit [VL53L0X](#) distance sensor

