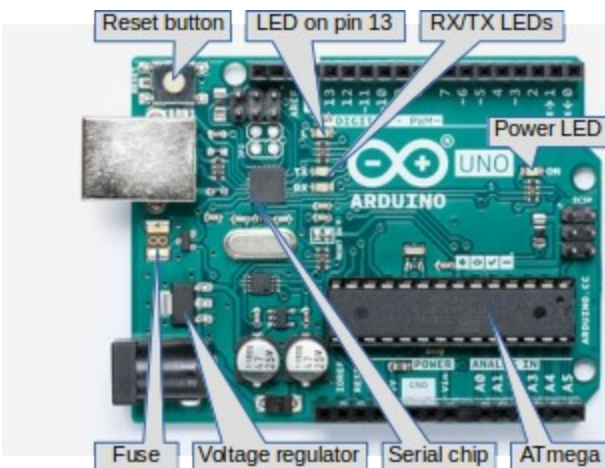


Arduino Quick Reference Card

by Ernest Neijenhuis PA3HCM
version 2.2, 26 Apr 2021

Components (Uno)



Connectors (Uno)



Specifications (Uno)

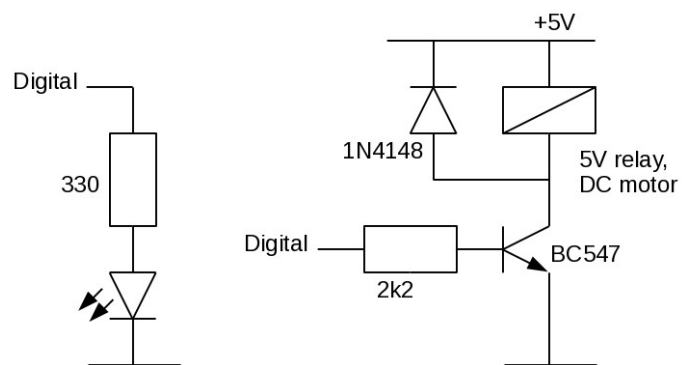
| | |
|-------------------|-----------------------------|
| Processor: | ATmega328 8-bit AVR |
| Clock: | 16 MHz |
| Flash memory: | 32 kB |
| SRAM: | 2 kB |
| EEPROM: | 1kB |
| Digital I/O pins: | 14 (of which 6 PWM capable) |
| Analog inputs: | 6 |
| Interrupts: | 2 |
| Protocols: | Serial, I2C/TWI, SPI, PWM |
| Size: | 68.6 x 53.4 mm |
| Weight: | 25 g |

Power ratings

Maximum DC input: 6-20V (7-12V recommended)
Maximum DC current per I/O pin: 20mA
Maximum DC current on VCC, GND: 200mA

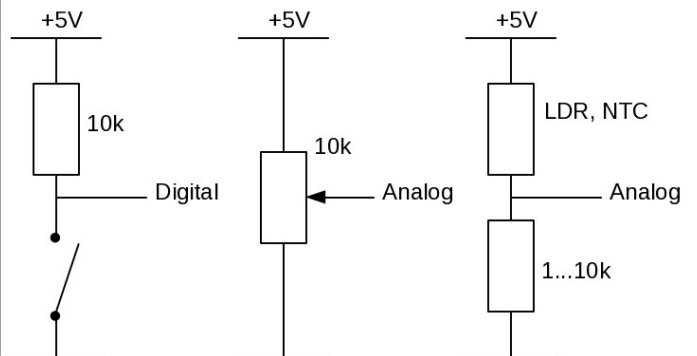
Basic output circuits

Left: LED
Right: 5V relay or small DC motor



Basic input circuits

Left: button or switch
Center: potmeter
Right: Light or temperature dependent resistor



Servo leads

Black or brown = GND
Red = +5V
White or orange = PWM



Check my website for the latest version of this document, as well as lots of inspiring projects:

<http://www.pa3hcm.nl/>

