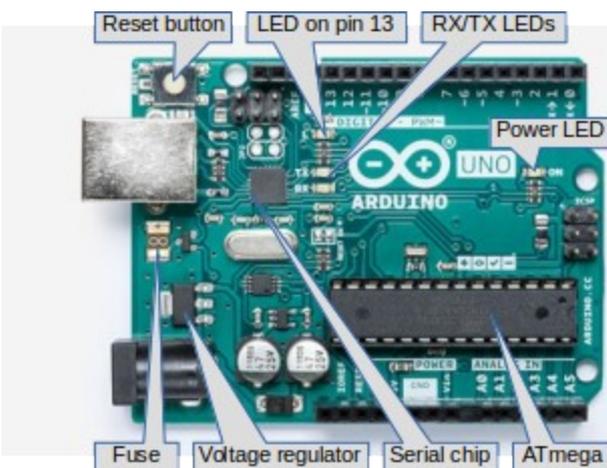




# Arduino Quick Reference Card

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## Components (Uno)



## Connectors (Uno)



## Specifications (Uno)

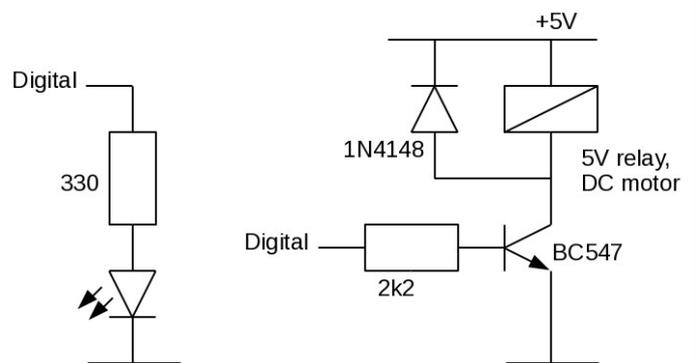
Processor:	ATmega328 8-bit AVR
Clock:	16 MHz
Flash memory:	32 kB
SRAM:	2 kB
EEPROM:	1kB
Digital I/O pins:	14 (of which 6 PWM capable)
Analog inputs:	6
Interrupts:	2
Protocols:	Serial, I2C/TWI, SPI, PWM
Size:	68.6 x 53.4 mm
Weight:	25 g

## 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

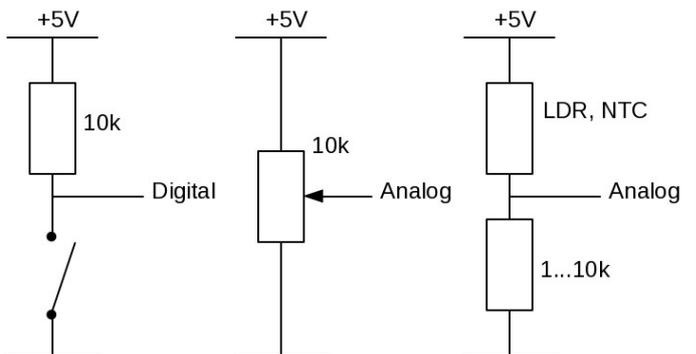
## Basic output circuits

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/>

