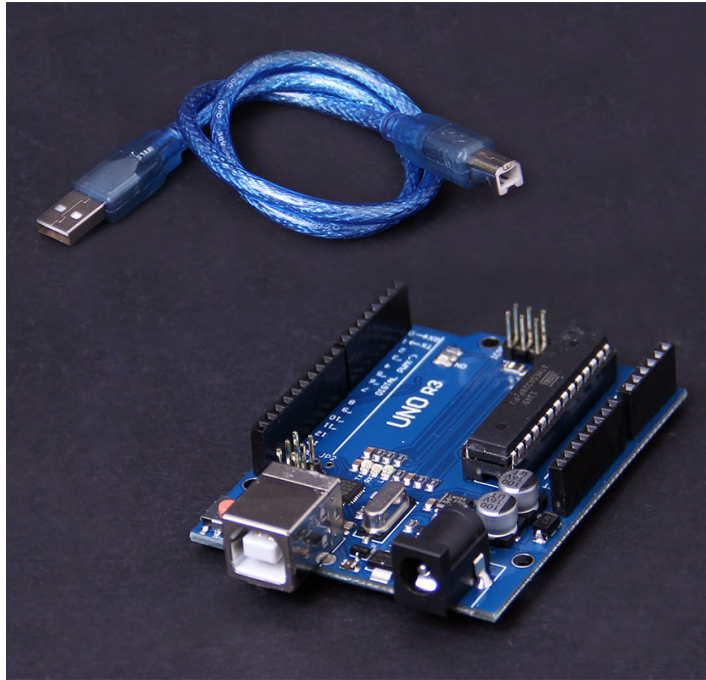


Arduino Uno ATmega328P-PU / ATMEGA8U2 AVR USB board



Description:

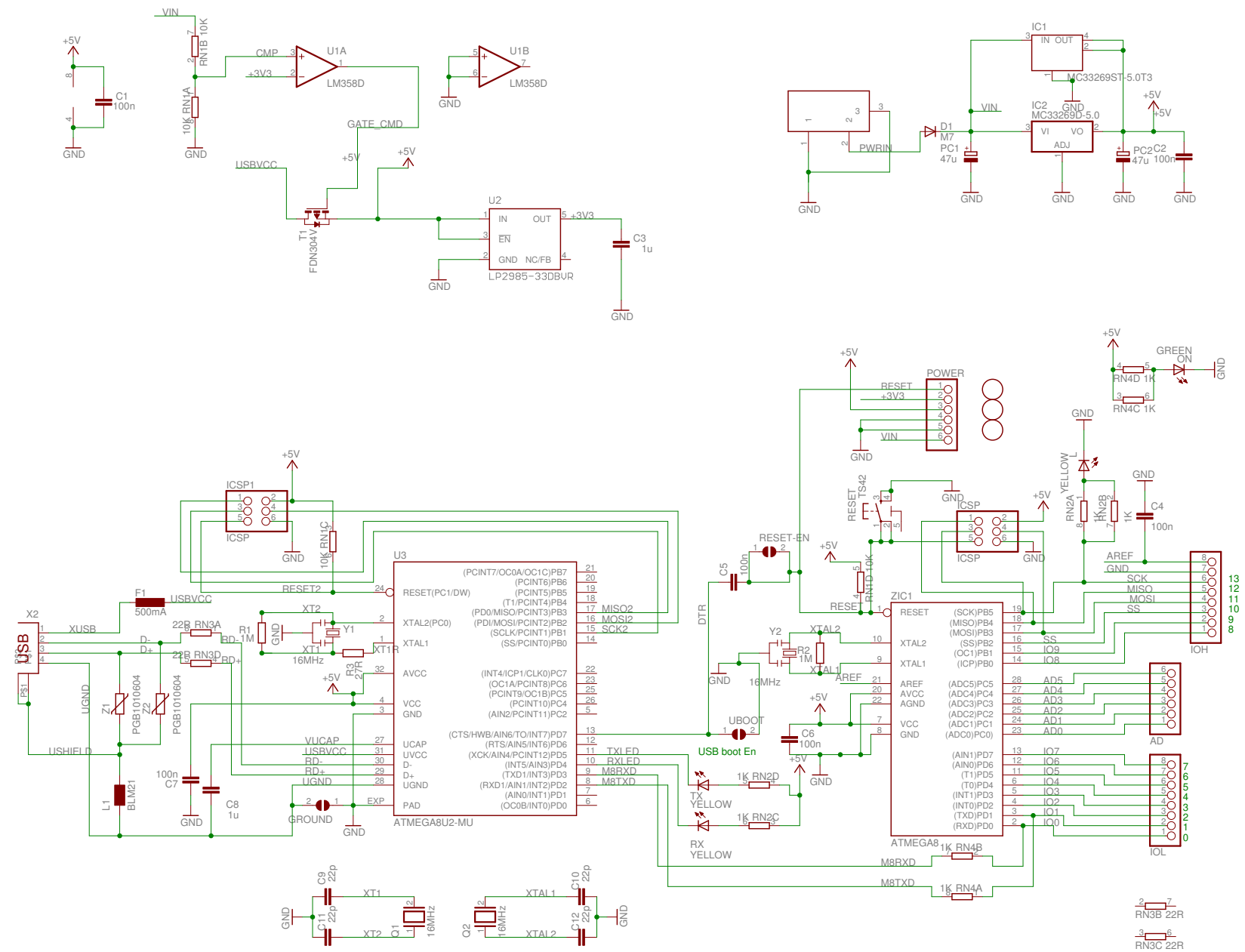
The Arduino Uno is a microcontroller board based on the ATmega328. It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC or battery to get started.

The Uno differs from all preceding boards in that it does not use the FTDI USB-to-serial driver chip. Instead, it features the Atmega8U2 programmed as a USB-to-serial converter.

"Uno" means one in Italian and is named to mark the upcoming release of Arduino 1.0. The Uno and version 1.0 will be the reference versions of Arduino, moving forward. The Uno is the latest in a series of USB Arduino boards, and the reference model for the Arduino platform; for a comparison with previous versions.

Features:

- Model : Arduino Uno(ATmega328)
- Microcontroller : ATmega328P-PU
- Operating Voltage (logic level) : 5V
- Input Voltage (recommended) : 7.2-11.1V
- Input Voltage (limits) : 6-20V
- Digital I/O Pins : 14 (of which 6 provide PWM output)
- Analog Input Pins : 8
- DC Current per I/O Pin : 40mA
- DC Current for 3.3V Pin : 50mA
- Flash Memory : 32 KB (ATmega328P-PU) of which 2 KB used by boot loader
- SRAM : 2 KB (ATmega328P-PU)
- EEPROM : 1 KB (ATmega328P-PU)
- Clock Speed : 16 MHz



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