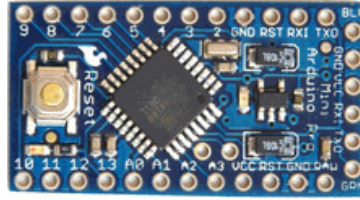


31355-MP

Arduino ProMini 16MHz Microcontroller



DISCRIPTION

Arduino PRO MINI AVR Core Development Board with Headers & Installed Bootloader

Arduino ProMini Clone with headers & Wider Voltage Range. Get the same power as the UNO, or Nano in a low cost and small footprint. Features a Atmega328, 8bit, 16mHz processor, built in 5V regulator, 8 analog inputs and up to 14 digital I/O pins. This module does not have a USB connector. There are 5 dedicated 100 mil spaced pads for connecting the FTDI cable (DTR,TXO,RXI,VCC,GND) or a USB/TTLconverter module. The ProMini is ideal for use after you have perfected your idea on a Nano or Uno and want to embed it in the final project. Intended for advanced users. 1st. time Users should take advantage of the Arduino Nano to gain skills. Information & Freeware available through www.arduino.cc.en and others on-line.

The pre loaded Bootloader, allows Programming with an (off board) USB to TTL converter (our Stock # 31573) or a FTDI smart cable

Features:

Processor: 16 MHz ATmega328

Power: 3.3-12VDC On-Board Regulator (Operating 5 VDC)

Note: for 3.3-5V input Use the Vcc Pin

for 5.5-12V input Use the RAW pin NOT BOTH

Digital I/O : 14 (with PWM available on 6)

Analog Input: 8

Memory: Flash: 32K (-2K for bootloader)

SRAM: 2K

EEPROM: 1K

Ports: Arduino I/O Pins 6 Pins for direct wiring to off Board USB connector (Not Supplied)

Manual Reset Button

.1in. pitch holes for headers (Supplied) or direct connection to functions

L: 1-5/16" O/A W: 11/16" H: 1/2" O/A WT: .012

FEATURES

ATMEL 16MHz ATmega328 microcontroller (www.atmel.com/Images/doc8151/pdf)

0.1in. pitch holes for header pins or hard wiring

USB Communication

Supports Auto Reset

On Board Power and Status LEDs

Reverse Polarity Protected

Open Source designs and applications available on-line, forums & blogs (www.arduino.cc.en)

Hundreds of application specific Sensor Boards available (Temp, sound, pressure, Motor control)

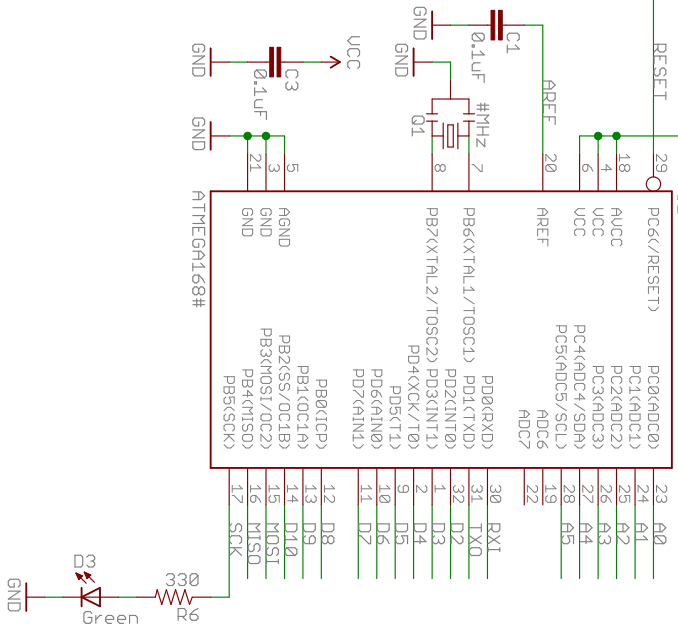
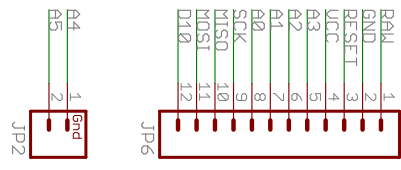
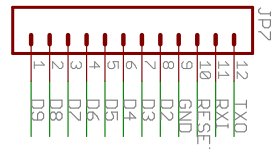
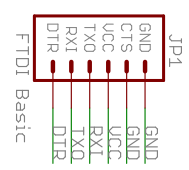
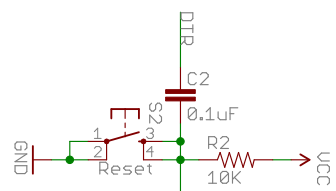
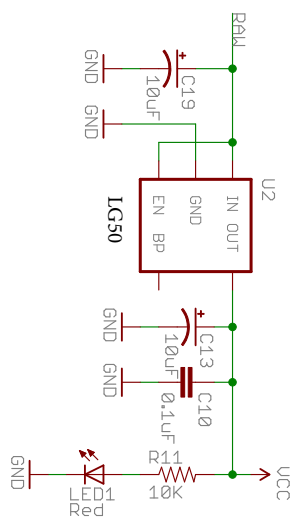


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 Arduino Pro Mini Design by Spark Fun Electronics