35710-MP
12MHz Clone Arduino MEGA2560-R3 2014 Upgraded
CH340 USB Controller

The Mega 2560 R3-2014 Clone is a updated version microcontroller board based on the ATMEGA 256016u and the CH340 USB communication chip.

Board can be programmed with the Arduino Sowtware (IDE). It has 16 analog inputs, 4 uarts (hardware serial ports), 12 MHz crystal oscillator, a USB connection, a power connector, an ICSP header and a reset button. Contains everything necessary to support the microcontroller; Simply connect it to a computer with the USB cable or power it with an AC-DC adapter. The Mega is compatible with most of the shields designed for the Duemilanove or Diecimila.

ATMEGA2560-16u microcontroller
Flash Memory: 256 KB (8 KB used by bootloader)
SRAM: 8 KB
EEPROM: 4 KB
Clock speed: 12 MHz
Operating Voltage: 5 V
Input Voltage (recommended) 7-12 V
Input voltage: 6-20VDC
Digital I/O: 54 (15 provide PWM output)
Analog Inputs: 16
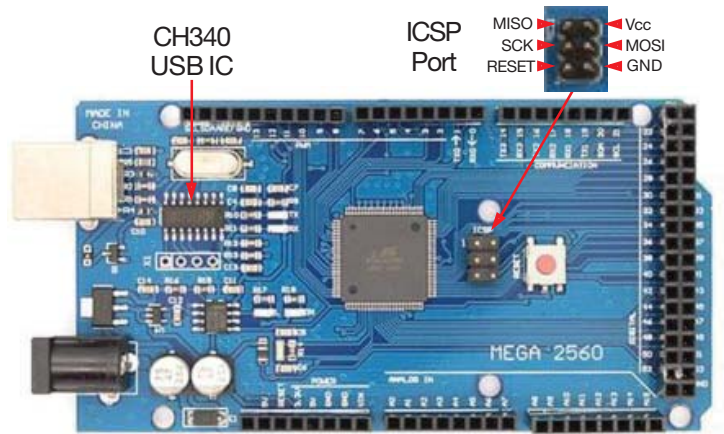I/O Pin Current: 40 mA
Current for 3.3 V pin: 50 ma
USB port: Type B Female
Power Port: 5.5mm X 2.1mm Coaxial Power Jack
Includes 18in. USB cable
L: 4-3/8" O/A   **W:** 2-1/8"   **H:** 1/2"   **WT:** .15

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USEFUL MEGA LINKS
https://www.arduino.cc/en/Guide/ArduinoMega2560
https://kig.re/2014/12/31/how-to-use-arduino-nano-mini-pro-with-CH340G-on-mac-osx-yosemite.html

Resetting UNO or MEGA Boards
https://nemochronicles.wordpress.com/2014/10/14/reset-the-atmega8u2-atmega16u2-of-your-dead-arduino-mega-uno/

USEFUL LINKS FOR CH340 USB CHIP

Data Sheet
https://www.mpja.com//download/35227mpdata.pdf

Russian Website-GOOGLE CHROME Advised

2017 Drivers

(ver.3.4) USB CH341 / CH340 WINDOWS 98 / ME / 2000 / XP / Server 2003 / VISTA / Server 2008 / Server2012 / Win7 / Win8 32/64 / Win8.1 / Win10
LINK: http://www.5v.ru/zip/ch341ser(v34).zip

(ver.1.4) USB CH341 / CH340 LINUX
LINK: http://www.5v.ru/zip/ch341ser_linux(v14).zip

(ver.1.3) USB CH341 / CH340 MAC OS32, MAC OS64
LINK: http://www.5v.ru/zip/ch341ser_mac(v13).zip

(ver.1.2) USB CH341 / CH340 ANDROID3.1 and above
LINK: http://www.5v.ru/zip/ch341ser_android(v12).zip

2014 Drivers

(ver.3.3) USB CH341/CH340 WINDOWS 98/ME/2000/XP/Server 2003/VISTA/, Server 2008/Win7/Win8 32/64
LINK: http://www.5v.ru/zip/ch341ser(v33).zip

(ver.1.2) USB CH341/CH340 LINUX
LINK: http://www.5v.ru/zip/ch341ser_linux.zip

(ver.1.2) USB CH341/CH340 MAC OS32, MAC OS64
LINK: http://www.5v.ru/zip/ch341ser_mac(v12).zip

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