

# 35643-MP

## Clone Arduino MEGA2560-R3 2014 Upgraded

The Mega 2560 R3-2014 Clone is a updated version microcontroller board based on the ATMEGA 256016u and the CH340 USB communication chip. It has 16 analog inputs, 4 uarts (hardware serial ports), 16 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: 16 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

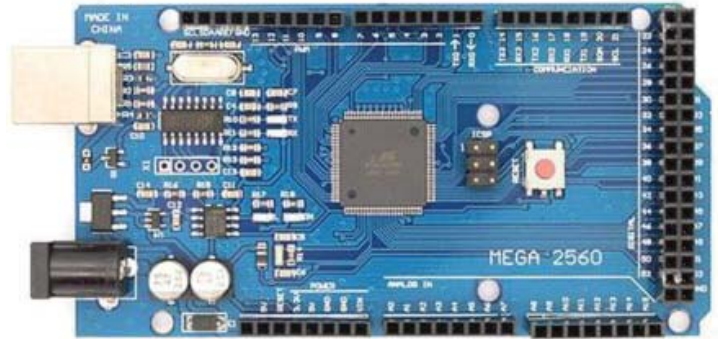
Current for 3.3 V pin: 50 ma

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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**MARLIN P. JONES & ASSOC., INC.**

P.O. Box 530400 Lake Park, FL 33403

800-652-6733 FAX 561-844-8764

WWW.MPJA.COM

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## Clone Arduino MEGA2560-R3 2014 Upgraded

### 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](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](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](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](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](http://www.5v.ru/zip/ch341ser(v33).zip)

(ver.1.2) USB CH341/CH340 LINUX

**LINK:** [http://www.5v.ru/zip/ch341ser\\_linux.zip](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](http://www.5v.ru/zip/ch341ser_mac(v12).zip)

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