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MICROCONTROLLER: MEGA AND  
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ATMega Microcontrollers belong  
to the AVR family of  
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manufactured by Atmel  
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Microcontroller is an 8-bit  
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ATmega2560 - 8-bit AVR  
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Atmel-8210G-AVR XMEGA

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contains complete and detailed  
description of all modules

included in the Atmel ® AVR

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XMEGA® D microcontroller family. The AVR XMEGA D is a family of low-power, high-performance, and peripheral-rich CMOS 8/16-bit microcontrollers based on the AVR enhanced RISC architecture.

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Atmel AVR XMEGA D Manual -  
Microchip Technology

AVR is a family of microcontrollers developed since 1996 by Atmel, acquired by Microchip Technology in 2016. These are modified Harvard architecture 8-bit RISC single-chip microcontrollers.

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Atmel provides a development

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environment for their 8-bit AVR and 32-bit ARM Cortex-M based microcontrollers: AVR Studio (older) and Atmel Studio (newer). IDE. The Arduino integrated development environment (IDE) is a cross-platform application (for Windows, macOS, and Linux) that is written in the programming language Java.

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Arduino - Wikipedia

(June 2014) Main article: Atmel AVR The Atmel AVR instruction set is the machine language for the Atmel AVR, a modified Harvard architecture 8-bit RISC single chip microcontroller which was developed by Atmel in 1996. The AVR was one of the first microcontroller families to use on-

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Atmel AVR instruction set -  
Wikipedia

The high-performance Atmel  
picoPower 8-bit AVR RISC-based  
microcontroller combines 32KB  
ISP flash memory with read-while-  
write capabilities, 1024B EEPROM,  
2KB SRAM, 23 general purpose  
I/O lines, 32 general purpose  
working registers, three flexible  
timer/counters with compare  
modes, internal and external  
interrupts, serial programmable  
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serial interface, SPI serial ...

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ATMEGA328P-AU - 8 Bit MCU, Low

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Power High Performance, AVR ... C

The Arduino Mega 2560 is a microcontroller board based on the ATmega2560. It has 54 digital input/output pins (of which 15 can be used as PWM outputs), 16 analog inputs, 4 UARTs (hardware serial ports), a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button.

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Arduino Mega 2560 Rev3 |

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Atmel Corporation was a designer  
and manufacturer of  
semiconductors before being  
acquired by Microchip Technology

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in 2016. It was founded in 1984.

The company focuses on embedded systems built around microcontrollers. Its products include microcontrollers (8-bit AVR, 32-bit AVR, 32-bit ARM-based, automotive grade, and 8-bit Intel 8051 derivatives) radio frequency (RF) devices including Wi-Fi ...

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Atmel - Wikipedia

Atmel AVR. Most versions of Arduino use the AVR line of microcontrollers from Atmel (now owned by Microchip Technology). This can make it easier to transition from an Arduino to an Atmel AVR microcontroller. Atmel AVR microcontrollers are available in both 8-bit and 32-bit



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