ATmega8515L-8PU

MCU 8-bit AVR RISC 8KB Flash 3.3V/5V 40-Pin PDIP W Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	DIP
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

Overview

The ATmega8515 is a low-power CMOS 8-bit microcontroller based on the AVR enhanced RISC architecture. By executing powerful instructions in a single clock cycle, the ATmega8515 achieves throughputs approaching 1 MIPS per MHz allowing the system designer to optimize power consumption versus processing speed.

Key Features

Advanced RISC architecture

Power-on reset and programmable brown-out detection

Internal calibrated RC oscillator

External and internal interrupt sources

Three Sleep modes - Idle, power-down and standby

130 Powerful instructions-most single clock cycle execution

32 x 8 General purpose working registers

Fully static operation

Up to 16MIPS throughput at 16MHz

On-chip 2-cycle multiplier

One 8-bit timer/counter with separate prescaler and compare mode

One 16-bit timer/counter with separate prescaler, compare mode and capture mode

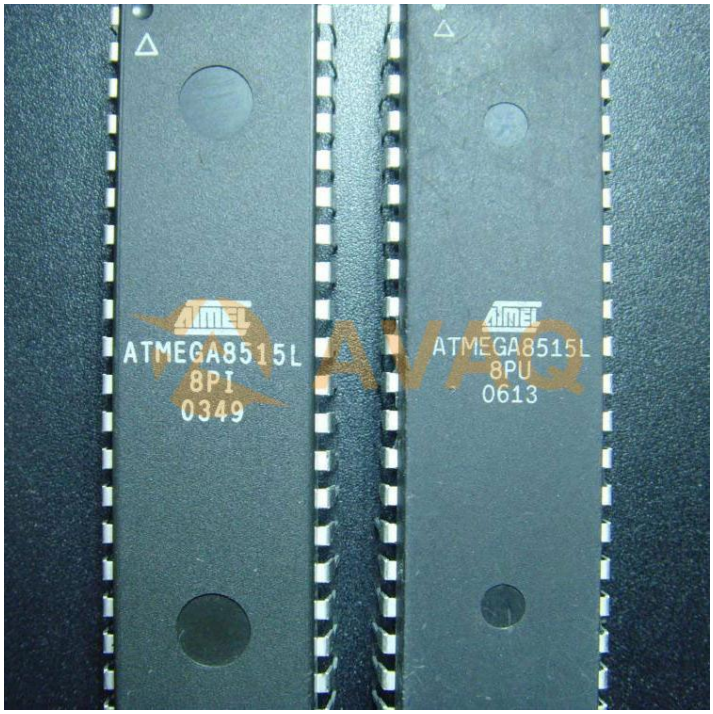
Three PWM channels

Programmable serial USART

Master/Slave SPI serial interface

Programmable watchdog timer with separate on-chip oscillator

On-chip analog comparator



Recommended For You

ATmega8-16PU

Microchip Technology, Inc

DIP

ATmega162-16PU

Microchip Technology, Inc

DIP40

AT91RM9200-CJ-002

Microchip Technology, Inc

BGA

AT89C2051-12PU

Microchip Technology, Inc

DIP

AT91SAM9G20B-CFU

Microchip Technology, Inc

247-TFBGA

ATtiny20-XUR

Microchip Technology, Inc

TSSOP14

AT89LS52-16PU

Microchip Technology, Inc

DIP

ATtiny12L-4SUR

Microchip Technology, Inc

SOP8

ATmega324PA-PU

Microchip Technology, Inc

PDIP

ATmega8535-16JU

Microchip Technology, Inc

PLCC44

ATtiny44A-PU

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DIP

AT89C5131A-S3SUM

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PLCC52

ATmega162V-8PU

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DIP40

AT89C5115-SISUM

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PLCC-28

AT91RM9200-QU-002

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QFP208