

8 Bit MCU, Low Power High Performance, AVR ATtiny Family ATtiny23 Series Microcontrollers, 20 MHz

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-20
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ATTINY2313A-SUR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The high-performance Microchip picoPower® AVR® RISC-based CMOS 8-bit microcontroller combines 2 KB Flash memory, 128B EEPROM, 128B SRAM, 18 general purpose I/O lines, 32 general purpose working registers, a single-wire Interface for on-chip debugging, two flexible timer/counters with compare modes, internal and external interrupts, serial programmable USART, a universal serial interface (USI) with start condition detector, programmable watchdog timer with internal oscillator, and three software selectable power saving modes. The device operates between 1.8-5.5 volts.

By executing powerful instructions in a single clock cycle, the device achieves throughputs approaching one MIPS per MHz, balancing power consumption and processing speed.

Features

120 Powerful Instructions – Most Single Clock Cycle Execution

32 x 8 General Purpose Working Registers

Fully Static Operation

Up to 20 MIPS Throughput at 20 MHz

Related Products



[ATSAMA5D36A-CU](#)

Microchip Technology, Inc
LFBGA-324



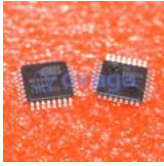
[ATMEGA32M1-AU](#)

Microchip Technology, Inc
TQFP-32



[ATXMEGA128D3-AU](#)

Microchip Technology, Inc
TQFP-64



[ATMEGA64M1-15AZ](#)

Microchip Technology, Inc
TQFP-32



[ATTINY48-MU](#)

Microchip Technology, Inc
VQFN-32



[ATTINY2313V-10SU](#)

Microchip Technology, Inc
SOIC-20



[ATMEGA16L-8PU](#)

Microchip Technology, Inc
PDIP-40



[ATTINY4-TSHR](#)

Microchip Technology, Inc
SOT-23-6