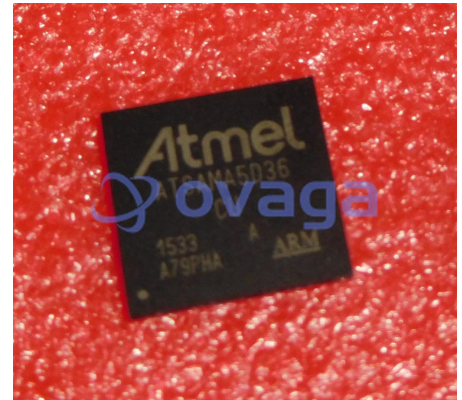


RISC Microprocessor, 536MHz, CMOS, PBGA324, 15 X 15MM, 1.4MM HEIGHT, 0.8MM PITCH, GREEN, MO-275KAAE-1, LFBGA-324

Manufacturers	<u>Microchip Technology, Inc</u>
Package/Case	LFBGA-324
Product Type	Embedded Processors & Controllers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ATSAMA5D36A-CU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

ATSAMA5D36A-CU is a microprocessor chip from the Atmel Corporation (now a part of Microchip Technology). It belongs to the SAMA5D3 series of microprocessors, which are designed for embedded applications that require high performance, low power consumption, and connectivity features.

## Features

ARM Cortex-A5 processor with a clock speed of up to 536 MHz

128 KB L2 cache

32-bit DDR2/DDR3 controller

Graphics accelerator with LCD controller

Ethernet MAC 10/100/1000

Dual CAN controller

USB 2.0 Host/Device/OTG with on-chip PHY

Up to 160 GPIOs

Multiple serial communication interfaces (UART, SPI, I2C)

## Application

Industrial automation and control

Building automation

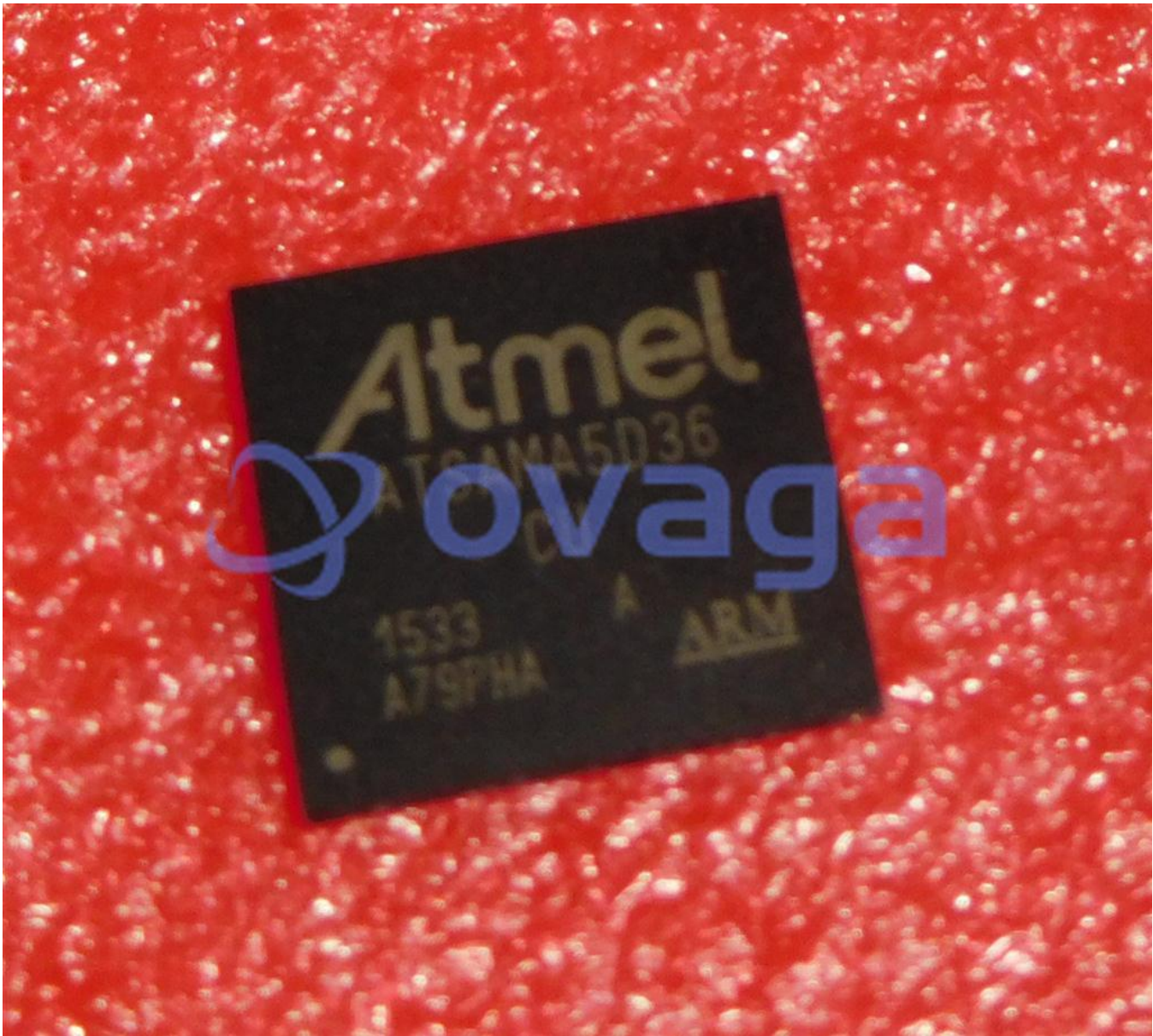
Medical devices

Home automation and security

Gaming devices

Human machine interface (HMI)

IoT edge devices



## Related Products



### [ATMEGA32M1-AU](#)

Microchip Technology, Inc  
TQFP-32



### [ATTINY2313V-10SU](#)

Microchip Technology, Inc  
SOIC-20



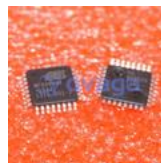
### [ATMEGA16L-8PU](#)

Microchip Technology, Inc  
PDIP-40



### [ATXMEGA128D3-AU](#)

Microchip Technology, Inc  
TQFP-64



### [ATMEGA64M1-15AZ](#)

Microchip Technology, Inc  
TQFP-32



### [ATTINY48-MU](#)

Microchip Technology, Inc  
VQFN-32



[ATTINY4-TSHR](#)

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SOT-23-6



[ATSAME70Q21A-CN](#)

Microchip Technology, Inc

LFBGA-144