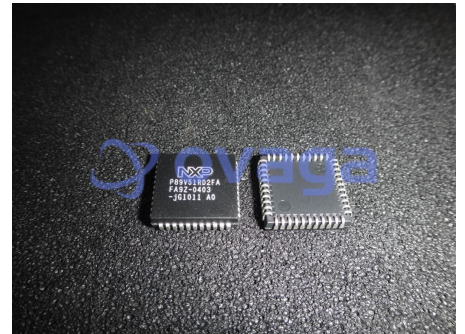


8-bit 80C51 5 V low power 16/32/64 kB flash microcontroller with 1 kB RAM - ADCs: - ; Clock type: 12-clk (6-clk opt.) ; External interrupt: 2 ; Function: 8-bit 80C51 uController ; Memory size: 64K kBits; Memory type: FLASH ; Number of



Images are for reference only

Manufacturers	<u><a href="#">NXP Semiconductor</a></u>
Package/Case	PLCC-44
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Please submit RFQ for P89V51RD2FA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

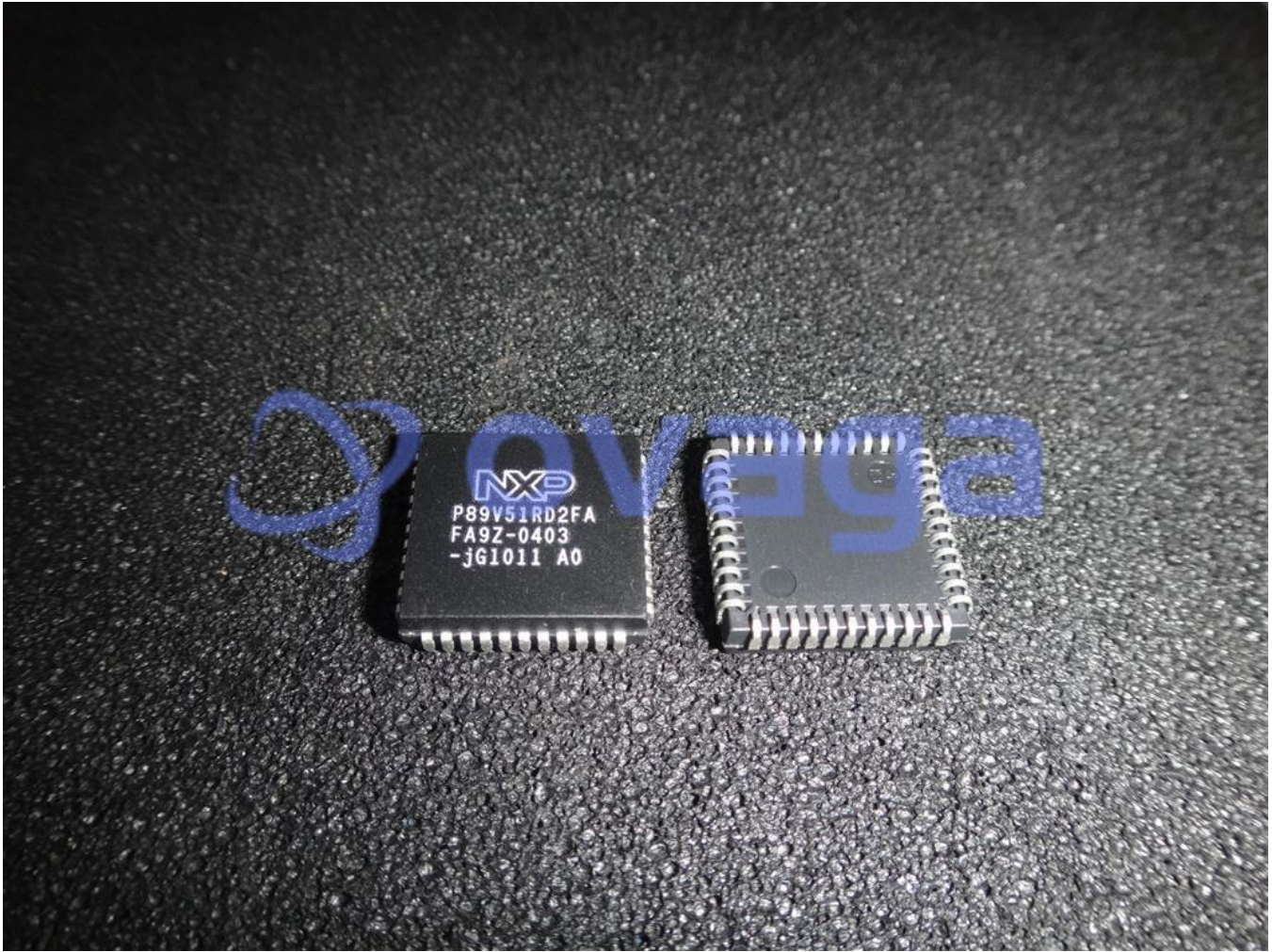
P89V51RD2FA is a microcontroller based on the 8051 architecture, produced by NXP Semiconductors (formerly Philips Semiconductors). It is commonly used in various embedded systems applications.

## Features

- 8-bit microcontroller with a 64kB Flash program memory and 1kB EEPROM data memory
- 2.7V to 5.5V operating voltage range
- 32 programmable I/O lines
- Two 16-bit timer/counters
- Two UARTs
- SPI and I2C interfaces
- Four 8-bit ports with high current output (15mA)
- On-chip oscillator with PLL
- Low power consumption modes
- In-system programmable (ISP) using a serial interface

## Application

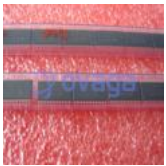
- Motor control
- LED lighting control
- Robotics
- Security systems
- Smart cards
- Energy management systems







**Related Products**



[P89LPC932A1FDH](#)

NXP Semiconductor  
TSSOP-28



[P80C552EFA](#)

NXP Semiconductor  
PLCC-68



[P89LV51RD2BBC](#)

NXP Semiconductor  
44-TQFP



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PLCC-28



[P89C669FA](#)

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[P87C591VFA](#)

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PLCC44



[P89C668](#)

NXP Semiconductor  
PLCC44



[P87C552SBAA](#)

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