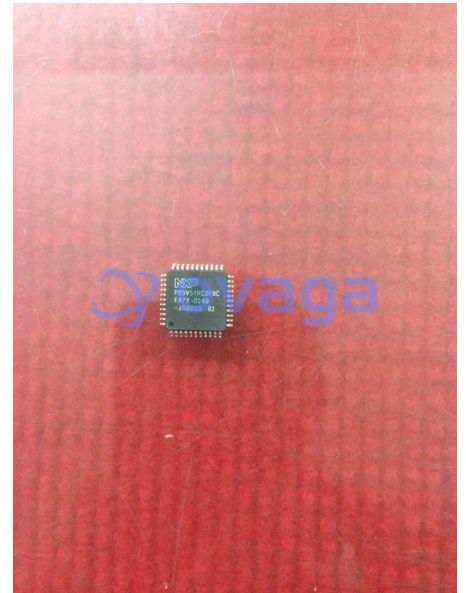


8-bit 80C51 5 V low power 16/32/64 kB flash microcontroller with 1 kB RAM - ADCs: - ; Clock type: 12-clk (6-clk opt.) ; External interrupt: 2 ; Function: 8-bit 80C51 uController ; I/O pins: 32 ; Memory size: 64K kBits; Memory type: FLASH ; Number of

Manufacturers	NXP Semiconductor
Package/Case	QFP-44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for P89V51RD2FBC or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

P89V51RD2FBC is a microcontroller chip manufactured by NXP Semiconductors. It is part of the 8051 family of microcontrollers and is widely used in various applications.

Features

8-bit 8051-compatible microcontroller core

64KB Flash memory for program code

1KB of EEPROM for data storage

1KB of RAM

4 8-bit I/O ports

UART, SPI, and I2C serial interfaces

3 16-bit timers/counters

In-system programmable via UART interface

Operating voltage range of 2.7V to 5.5V

Operating temperature range of -40°C to +85°C

Application

Industrial control systems

Home automation systems

Robotics

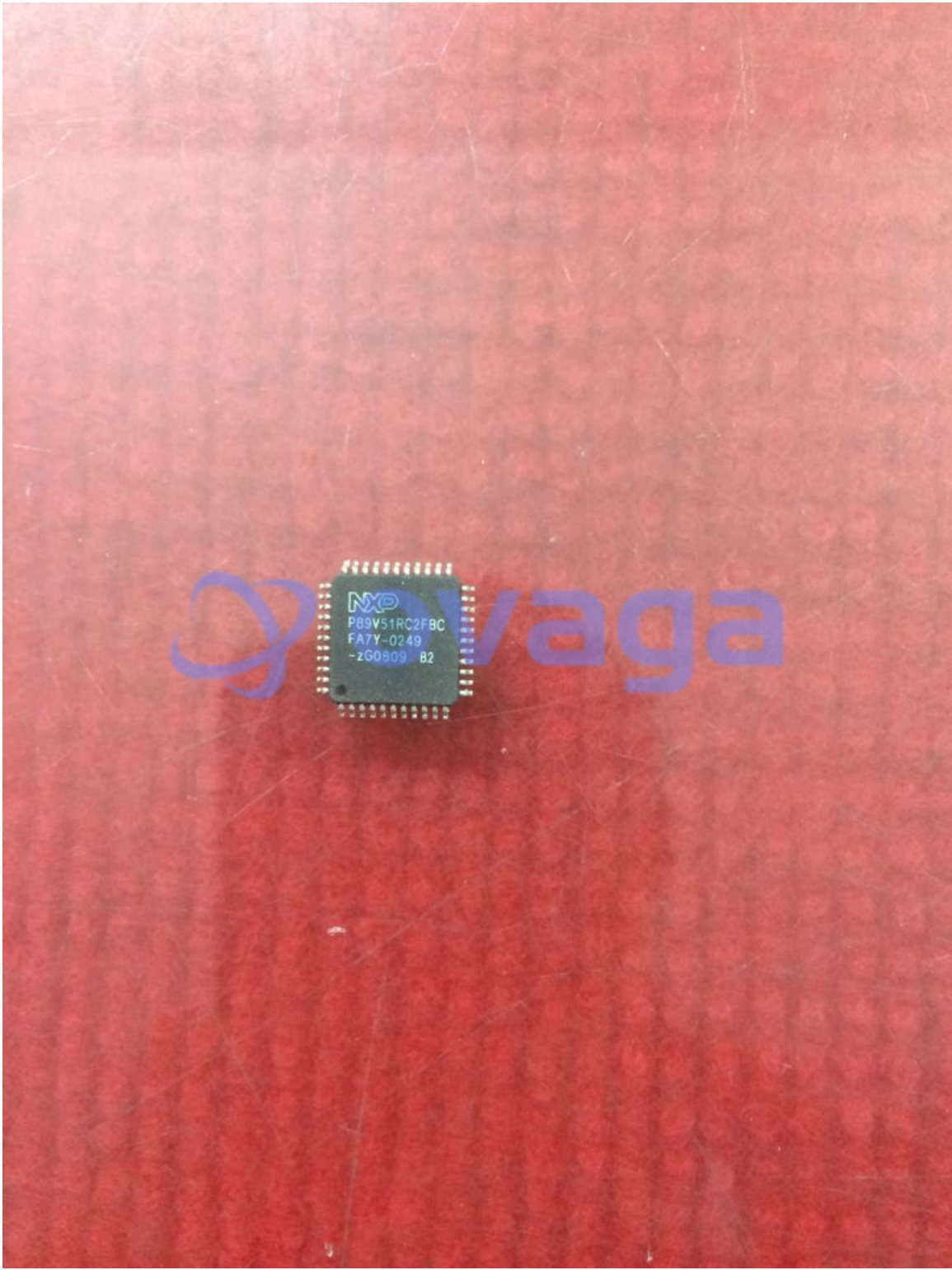
Motor control

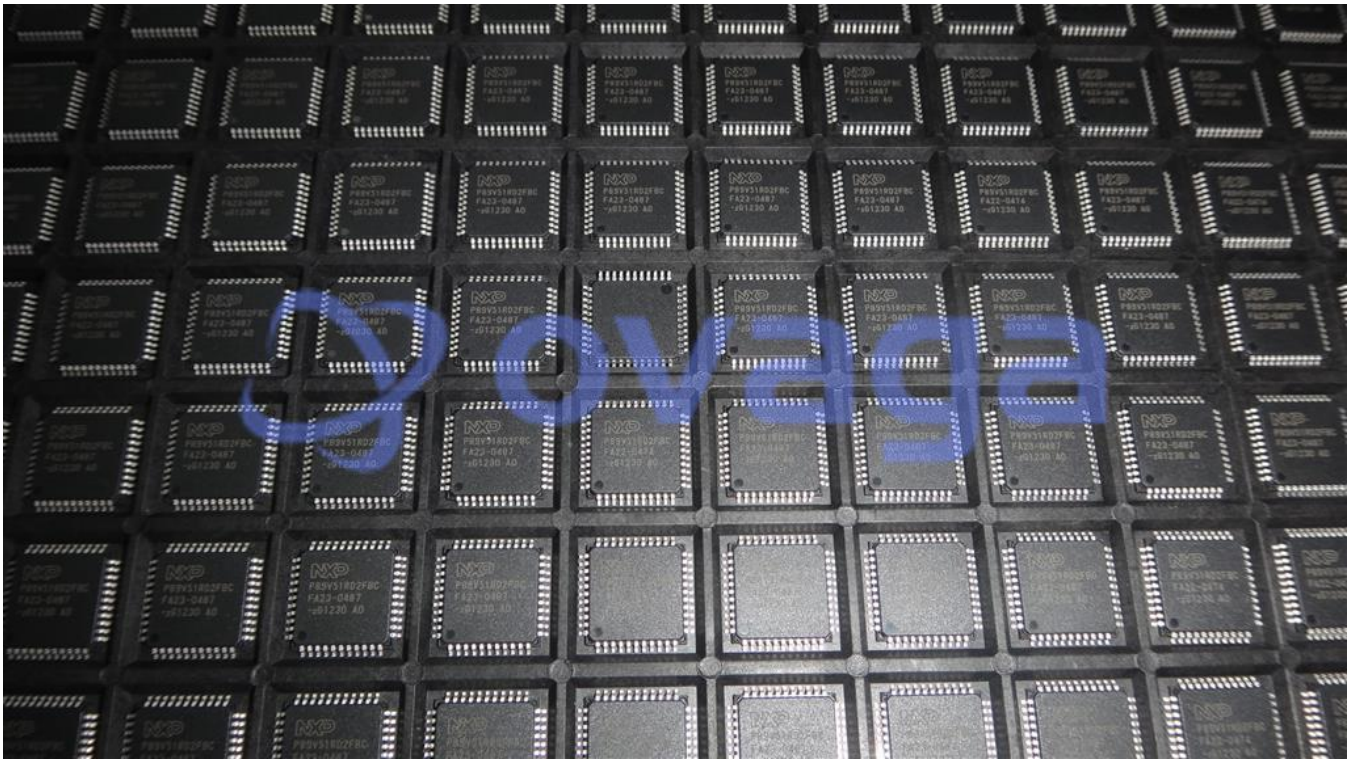
Smart energy meters

Automotive electronics

Medical devices

Security systems





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PLCC44



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