

8-bit Microcontrollers - MCU 16K FL/1K RAM/512B

Manufacturers	NXP Semiconductor
Package/Case	QFP44
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for P89LPC954FBD or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

P89LPC954FBD is a microcontroller from the 80C51 family of microcontrollers, specifically designed by NXP Semiconductors. It is an 8-bit microcontroller with a low pin count (LPC) package, and it features an 80C51 CPU core with 8 kB of Flash program memory, 256 bytes of RAM, and a wide range of integrated peripherals.

Features

- 8-bit 80C51 CPU core running at a maximum frequency of 20 MHz
- 8 kB of Flash program memory for storing user code
- 256 bytes of RAM for data storage
- 2 UARTs (serial ports) for serial communication
- 2 SPI (Serial Peripheral Interface) ports for interfacing with external devices
- 2 I2C (Inter-Integrated Circuit) ports for communication with I2C-compatible devices
- 18 digital I/O (input/output) pins for interfacing with external devices
- 8-channel 10-bit ADC (Analog-to-Digital Converter) for analog input
- On-chip oscillator with selectable frequencies
- Power supply voltage range of 2.7 V to 5.5 V

Application

- Industrial control systems
- Consumer electronics
- Home automation
- Automotive electronics
- Internet of Things (IoT) devices
- Embedded systems



Related Products



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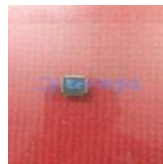
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