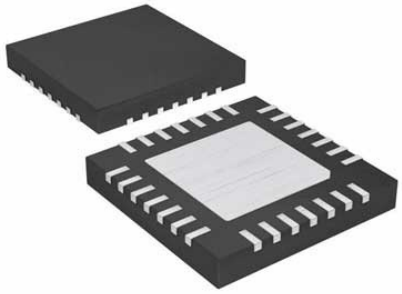
PIC18F24J50-I/ML

Data Sheet

PIC18F46J50 8-bit MCU; 28L QFN 6x6mm,Microcontrollers (MCU) Full Spd USB 16KB Flsh 4KBRAM nanoWatt

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-28
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F24J50-I/ML or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

This low power and high performance 8-bit MCU with integrated full-speed USB 2.0 and peripheral flexibility comes in a small package for cost sensitive applications in the PIC18 J-series. New features include Deep sleep mode for low power applications, Peripheral Pin Select for design flexibility for mapping peripherals to I/O pins and a CTMU module for easy capacitive touch user interfaces. The PIC18F46J50 family is ideal for applications requiring cost-effective, low-power USB solutions with a robust peripheral set in a small package.

Features

Featuring nanoWatt XLP™ Technology ideal for battery applicationsTypical nanoWatt XLP™ specifications include:

15nA Deep Sleep mode (Watch Webinar)

60nA Sleep mode (RAM retention)

830nA Real Time Clock & Calendar operation in Sleep modes

780nA Watch Dog Timer operation in Sleep modes

Other Features:

Integrated full speed USB 2.0

Deep Sleep mode ideal for battery applications

Peripheral Pin Select for mapping digital peripherals to various I/O for designflexibility

Hardware RTCC provides clock, calendar & alarm functions

Charge Time Measurement Unit (CTMU) supports capacitive touch screens

2 Enhanced Capture / Compare / PWM modules

2 MSSP serial ports for SPI or I2C™ communication

2 Enhanced USART modules

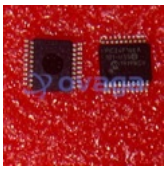
Dual analog comparators

10 ch, 10-bit ADC

Self programming Flash supports 10k erase/write cycles & 20 years retention

Operating voltage 2.0 - 3.6V, 5.5V tolerant digital inputs

Related Products



PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20

PIC16F1936-I/SS

Microchip Technology, Inc

SSOP-28

PIC16F1938-I/SP

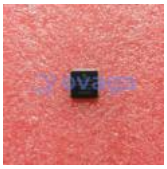
Microchip Technology, Inc

PDIP-28

PIC18F23K22-I/SP

Microchip Technology, Inc

SPDIP-28



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Microchip Technology, Inc

TQFP-64

[PIC18F2620-I/SP]

Microchip Technology, Inc

SPDIP-28

[PIC18F2620-I/SO]

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SOIC-28

[PIC18F97J60T-I/PT]

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TQFP-100