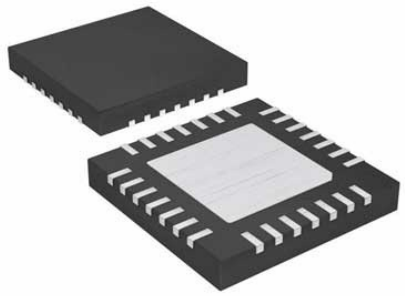
PIC18F27J13-I/ML

Data Sheet

8 Bit MCU, Flash, PIC18 Family PIC18F J1x Series Microcontrollers, 48 MHz, 128 KB, 3.7109 KB

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 PIC18F27J13-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 High memory density and peripheral flexibility comes in a small package for cost sensitive application in the PIC18 J-series.New features include Deep sleep mode for low power application, high memory density for more complex application, Peripheral Pin Select for design flexibility for mapping peripherals to I/O pins, RTCC module for real time applications and CTMU module for easy capacitive touch user interface. The PIC18F27J13 family is ideal for applications requiring cost-effective, low-power solutions with more code space and robust peripheral set in a small package

Features

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

9 nA Deep Sleep mode (Watch Webinar)

200nA Sleep mode (RAM retention)

700nA Real Time Clock & Calendar operation in Sleep modes

330nA Watch Dog Timer operation in Sleep modes

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

3 Enhanced Capture / Compare / PWM modules

2 MSSP serial ports for SPI or I2C™ communication

2 Enhanced USART modules

8-bit Parallel port

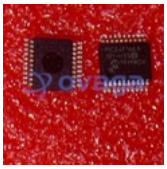
Three analog comparators

10 ch, 12-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

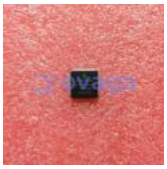
Microchip Technology, Inc

PDIP-28

PIC18F23K22-I/SP

Microchip Technology, Inc

SPDIP-28



PIC18F6520-I/PT

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

Microchip Technology, Inc

TQFP-100