

PIC/DSPIC Microcontroller, General Purpose, PIC24 Family PIC24FJ GA Series Microcontrollers, PIC24

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	TQFP-64
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC24FJ64GA006-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PIC24 16-bit Microcontroller, 64 KB Flash Memory, 8 KB RAM, and Advanced Peripherals, 64 Pin Package

## Features

### CPU

Up to 16 MIPS performance

16 x 16 Hardware Multiply, Single Cycle Execution

32-bit x 16-bit Hardware Divider

C Compiler Optimized Instruction Set

### System

Internal oscillator support - 31 kHz to 8 MHz, up to 32 MHz with 4X PLL

On-chip LDO Voltage Regulator

JTAG Boundary Scan and Flash Memory Program Support

Fail-Safe Clock Monitor – allows safe shutdown if clock fails

Watchdog Timer with separate RC oscillator

Low Power nanoWatt

Run, Idle and Sleep modes

Multiple, Switchable Clock Modes for Optimum Performance and Power Management

### Analog Features

10-bit ADC, 16 channels, 500k samples per second

Two Analog comparators

### Peripherals

2x UART Modules with LIN and IrDA® support, 4 Deep FIFO

2x SPI™ Modules with 8 Deep FIFO

2x I2C™ Modules with Master and Slave Modes

Five 16-bit Timer Modules

Up to 5 Input Capture and 5 Output Compare / PWM, all with dedicated timers

Hardware RTCC, Real-Time Clock Calendar with Alarms

PMP, Parallel Master Port, with 16 Address Lines, and 8/16-bit Data





### Related Products



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