Ovaga

PIC24FJ128GA006-I/PT

16 BIT MCU, 128KB FLASH, 8KB RAM, 64 PIN TQFP, -40C to +85C, 64-TQFP, TRAY,Microcontrollers (MCU) 16 Bit 128KB Flash 8Kb RAM 53 I/O

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-64
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for PIC24FJ128GA006-I/PT or Email to us: sales@ovaga.com We will contact you in 12 hours.　　RFQ

General Description

PIC24 16-bit Microcontroller, 128 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
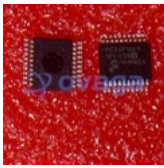
Five 16-bit Timer Modules

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

Hardware RTCC, Real-Time Clock Calendar with Alarms

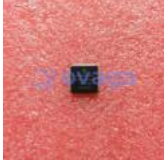PMP, Parallel Master Port, with 16 Address Lines, and 8/16-bit Data

Related Products

PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20
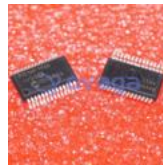

PIC16F1936-I/SS

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

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TQFP-100