

40 PIN, 48 KB ENH FLASH, 3804 RAM, 36 I/O, -40C to +85C, 40-PDIP 600mil, TUBE, Microcontrollers (MCU) 48KB 3968 RAM 36I/O

Manufacturers	Microchip Technology, Inc
Package/Case	PDIP-40
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F4525-I/P or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

Up to 10 MIPS Performance at 3V

C compiler optimized RISC architecture

8x8 Single Cycle Hardware Multiply

Internal oscillator support-31 kHz to 8MHz with 4xPLL

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

Watchdog Timer with separate RC oscillator

Wide operating Voltage range; 2.0V to 5.5V

Run, Idle and SLEEP modes

Idle mode currents down to 5.8uA typical

Sleep mode currents down to 0.1uA typical

10-bit ADC, 12 channels, 100K samples per second

Programmable Low Voltage Detection Module

Programmable Brown-out-Reset Module

Two Analog Comparators multiplexing

Master Synchronous Serial Port supports SPI™ and I2C™ master and slave mode

EUSART module including LIN bus support

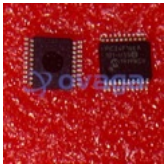
Four Timer modules

Up to 5 PWM outputs

Up to 2 Capture / Compare

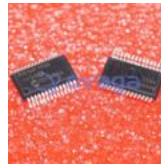


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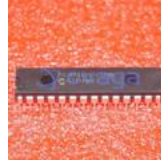
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