

44 pin, 48 KB Enh Flash, 3804 RAM, 36 I/O, -40C to +85C, 44-TQFP ,
TRAY, Microcontrollers (MCU) 48KB 3968 RAM 36I/O

Manufacturers

[Microchip Technology, Inc](#)

Package/Case

TQFP-44

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for PIC18F4525-I/PT 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

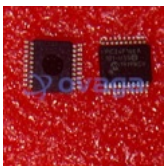
EUSART module including LIN bus support

Four Timer modules

Up to 5 PWM outputs

Up to 2 Capture / Compare

Related Products



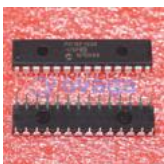
[PIC24F16KA101-I/SS](#)

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SSOP-20



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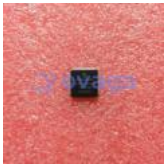
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[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc
TQFP-100