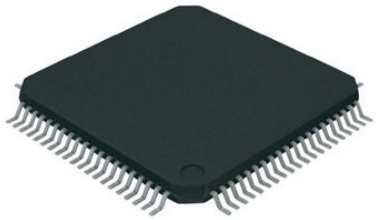
PIC18F97J94-I/PF

Data Sheet

8 Bit MCU, Flash, PIC18 Family PIC18F J9x Series Microcontrollers, 64 MHz, 128 KB, 4 KB, 100 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-100
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC18F97J94-I/PF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The PIC18F97J94 family of 8-bit microcontrollers offer USB and segmented LCD (upto 480 segments) capability with nanoWatt XLP technology in the same device. With upto 100 pin and 128K flash, which is the first on a 8-bit PIC® MCU, this family has a rich peripheral set like CTMU, hardware RTCC, 12 bit A/D, along with the standard ones. With the support of Vbat mode, for battery based applications, they are best suited for applications like, hand held devices, data loggers, medical applications etc

Features

nanoWatt XLP technology

Deep sleep current is 60 nA typical

WDT : 650 nA @ 2V typical

RTCC: 650 nA @ 32 Khz, 2V typical

Vbat allows lowest power consumption on back up battery

Multiple, Switchable Clock Modes for Optimum Performance and Power Management

USB 2.0 full speed compliant with on chip transceiver

480 segments of LCD display.

60 X 8 commons

Drives LCD panel in Sleep mode

Internal charge pump for LCD

64Mhz and upto 16 MIPS performance

Four 16 bit timers/counters

Seven Capture/Compare/PWM (CCP)

Three Enhanced Capture/Compare/PWM (ECCP)

Two Master Synchronous Serial Port (MSSP) feature SPI and I2C

Four UART with IrDA

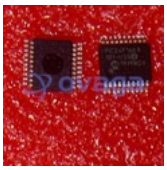
10/12 bit ADC with 24 channel resolution

Three Rail-to-Rail Enhanced Analog Comparators

Charge Time Measurement Unit (CTMU) for touch and measurements

Operating voltage 2.0V – 3.6V

Related Products



PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20

PIC16F1936-I/SS

Microchip Technology, Inc

SSOP-28

[PIC16F1938-I/SP]

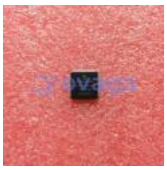
Microchip Technology, Inc

PDIP-28

[PIC18F23K22-I/SP]

Microchip Technology, Inc

SPDIP-28



[PIC18F6520-I/PT]

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TQFP-64

[PIC18F2620-I/SP]

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SPDIP-28

[PIC18F2620-I/SO]

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SOIC-28

[PIC18F97J60T-I/PT]

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TQFP-100