

8-bit Microcontrollers - MCU 14KB FLASH 512B RAM 18 I/O 10-BIT ADC

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-20
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16LF1509-I/SO or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

Enhanced Mid-range Core with 49 Instruction, 16 Stack Levels

Flash Program Memory with self read/write capability

128 B of Non-volatile Data Storage

Internal 16MHz oscillator

4x Standalone PWM

Complementary Waveform Generator (CWG)

Numerically Controlled Oscillator (NCO)

4x Configurable Logic Cell (CLC)

Integrated Temperature Indicator

12 Channel 10-bit ADC with Voltage Reference

5-bit Digital to Analog Converter (DAC)

MI2C, SPI, EUSART w/auto baud

25mA Source/Sink current I/O

2x 8-bit Timers (TMR0/TMR2)

1x 16-bit Timer (TMR1)

Extended Watchdog Timer (WDT)

Enhanced Power-On/Off-Reset

Low-Power Brown-Out Reset (LPBOR)

Programmable Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

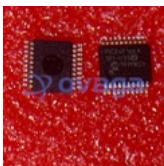
Integrated In-Circuit Debug/ or Use an ICD Header

Wide Operation Voltage Variant 'F' (1.8V – 5.5V)

eXtreme Low Power (XLP) 'LF' Variant (1.8V – 3.6V)



Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc
SSOP-28



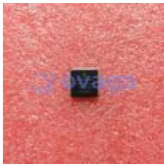
[PIC16F1938-I/SP](#)

Microchip Technology, Inc
PDIP-28



[PIC18F23K22-I/SP](#)

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SPDIP-28



[PIC18F6520-I/PT](#)

Microchip Technology, Inc
TQFP-64



[PIC18F2620-I/SP](#)

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SPDIP-28



[PIC18F2620-I/SO](#)

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[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc
TQFP-100