

8 Bit MCU, PIC12 Family PIC12F18xx Series Microcontrollers, 32 MHz, 7 KB, 256 Byte, 8 Pins, SOIC

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-8
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC12F1840T-I/SN 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

Internal 32MHz oscillator

Integrated Capacitive mTouch Sensing Module

Data Signal Modulator Module

MI2C, SPI, EUSART w/auto baud

ECCP (Enhanced/Capture Compare PWM) Module

Comparator with selectable Voltage Reference

4 Channel 10b ADC with Voltage Reference

25mA Source/Sink current I/O

Two 8-bit Timers (TMR0/TMR2)

One 16-bit Timer (TMR1)

Extended Watchdog Timer (EWDT)

Enhanced Power-On/Off-Reset

Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

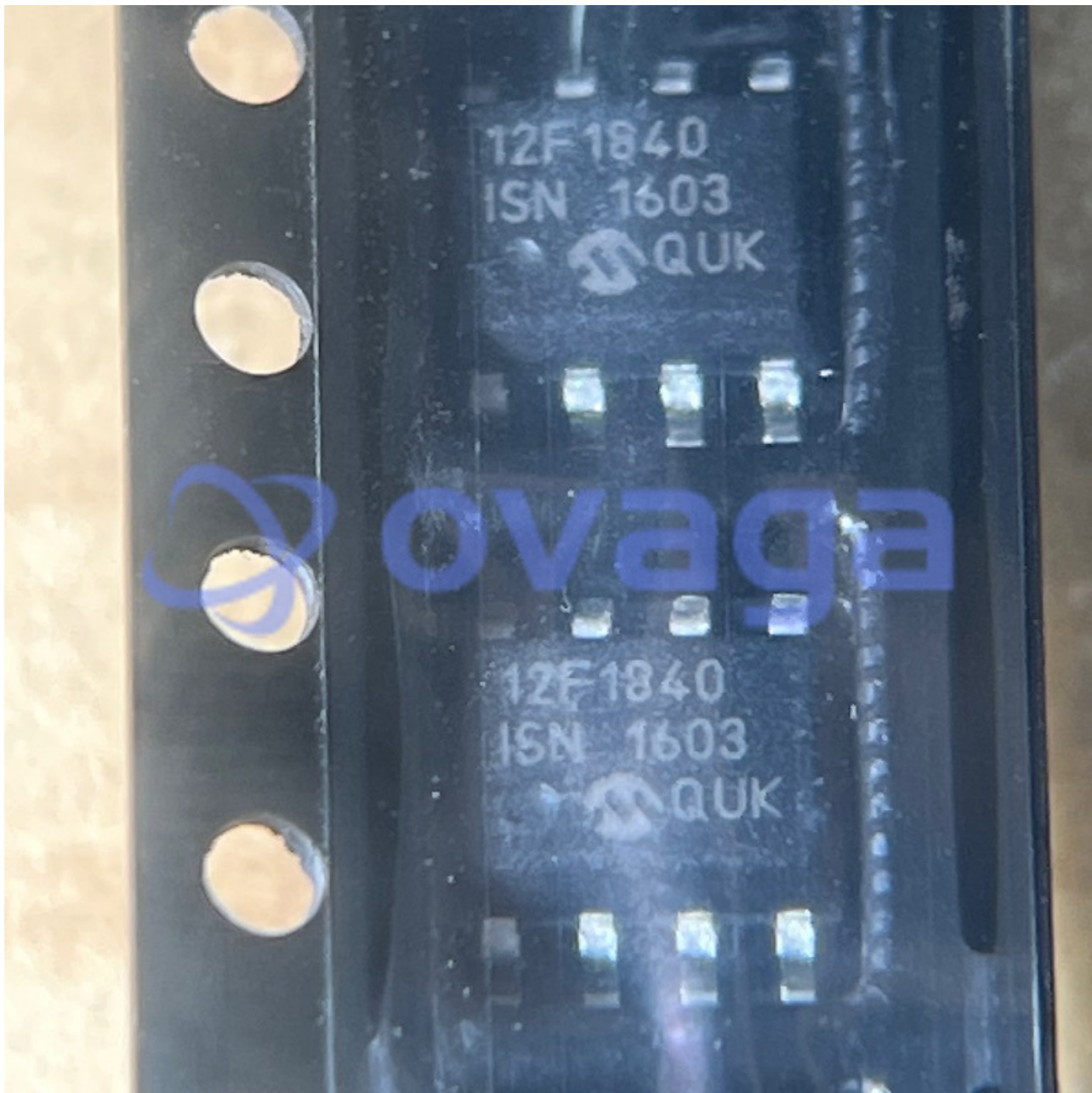
On Board In-Circuit Debug

Wide Operating Voltage (1.8V – 5.5V)

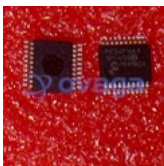
Low Power PIC12LF182x variants (1.8V – 3.6V)

Standby Current (PIC12LF1840): 20 nA @ 1.8V, typical

Active Current (PIC12LF1840): 50uA/MHz @ 1.8V, typical



### Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



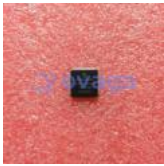
[PIC16F1938-I/SP](#)

Microchip Technology, Inc  
PDIP-28



[PIC18F23K22-I/SP](#)

Microchip Technology, Inc  
SPDIP-28



[PIC18F6520-I/PT](#)

Microchip Technology, Inc  
TQFP-64



[PIC18F2620-I/SP](#)

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[PIC18F2620-I/SO](#)

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SOIC-28



[PIC18F97J60T-I/PT](#)

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TQFP-100