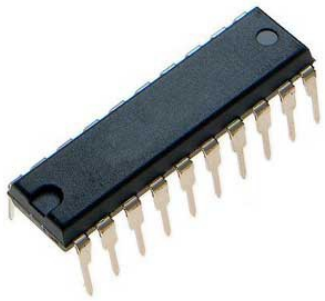
PIC16F1829-I/P

Data Sheet

8 Bit MCU, Flash, PIC16 Family PIC16F18XX Series Microcontrollers, 32 MHz, 14 KB, 1 KB, 20 Pins

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



Images are for reference only

Please submit RFQ for PIC16F1829-I/P or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

OVERVIEW
The PIC16F/LF182X and PIC12F/LF1822 devices can be programmed using either the high-voltage In-Circuit Serial Programming™ (ICSP™) method or the low voltage ICSP™ method.

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 for generation of custom bit streams

CVREF can be used as 5-bit DAC

MI2C, SPI, EUSART w/auto baud

2 ECCP & 2 CCP (Enhanced/Capture Compare PWM)

Comparators with selectable Voltage Reference

12 Channel 10b ADC with Voltage Reference

25mA Source/Sink current I/O

Four 8-bit Timers (TMR0/TMR2/TMR4/TMR6)

One 16-bit Timer (TMR1)

Extended Watchdog Timer (EWDT)

Enhanced Power-On/Off-Reset

Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

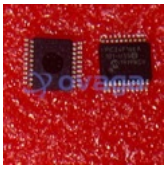
On Board In-Circuit Debug

Wide Operating Voltage (1.8V – 5.5V)

Low Power PIC16LF182x variants (1.8V – 3.6V)

Standby Current (PIC16LF182X): 30 nA @ 1.8V, typical

Related Products



PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20

PIC16F1936-I/SS

Microchip Technology, Inc

SSOP-28

[PIC16F1938-I/SP]

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PDIP-28

[PIC18F23K22-I/SP]

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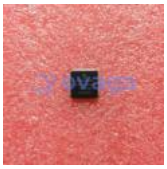
SPDIP-28



[PIC18F6520-I/PT]

Microchip Technology, Inc

TQFP-64

[PIC18F2620-I/SP]

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SPDIP-28

[PIC18F2620-I/SO]

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SOIC-28

[PIC18F97J60T-I/PT]

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TQFP-100