

8 Bit MCU, Flash, PIC16 Family PIC16F15xx Series Microcontrollers, 20 MHz, 28 KB, 1.5 KB, 64 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F1527-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Code Examples on GitHub

The PIC16F152xx 8-bit product family features an essential peripheral set including key Core Independent Peripherals (CIPs), Intelligent Analog, and standard communication modules. Paired with its ability for eXtreme Low-Power, this family is particularly well-suited for a wide range of low-power applications. Included in the feature set are multiple PWMs, various communication peripherals, an internal temperature sensor, and memory features like a Memory Access Partition (MAP) and Device Information Area (DIA). These products will be offered in a broad selection of packages and pin counts from 8 to 44(40)-pins, to support customers in a variety of applications.

Features

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

Flash Program Memory with Self Read/Write Capability

eXtreme Low Power (XLP)

IDLE and DOZE low power modes

Peripheral Module Disable (PMD)

Peripheral Pin Select (PPS)

2x 10-bit PWMs

2x Capture, Compare, PWM (CCP)

12 Channel 10-bit ADC with Voltage Reference (ADC)

1x 8/16-bit Timer (TMR0)

1x 16-bit Timer (TMR1)

1x 8-bit Timer (TMR2)

Watchdog Timer (WDT)

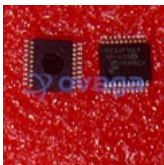
Enhanced Power-On/Off-Reset

Programmable Brown-Out Reset (BOR) with fast recovery





Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc
SSOP-28



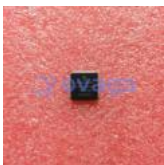
[PIC16F1938-I/SP](#)

Microchip Technology, Inc
PDIP-28



[PIC18F23K22-I/SP](#)

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SPDIP-28



[PIC18F6520-I/PT](#)

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[PIC18F2620-I/SP](#)

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[PIC18F2620-I/SO](#)

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SOIC-28



[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc
TQFP-100