

MCU 8-bit PIC RISC 28KB Flash 3.3V/5V Automotive 44-Pin TQFP Tray

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	TQFP-44
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F1789-E/PT 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

256 Bytes of EEPROM

Internal 32MHz oscillator

4 x PSMC (Programmable Switch Mode Controller)-Dedicated 16bit PWM-Digital and/or analog feedback control of PWM frequency-Dead-band control/ auto-shutdown & restart

4 x Fast Comparators with selectable Voltage Reference

3 x Operation Amplifiers (rail-to-rail in and out)

14 x 12-bit ADC with Voltage Reference

8-bit DAC

3 x 5-bit DAC

MI2C / SPI / EUSART w/auto baud

3 x Compare-Capture-PWM

Two 8-bit Timers (TMR0/TMR2)

One 16-bit Timer (TMR1)

Extended Watchdog Timer (EWDT)

Wide Operating Voltage Range:- 'F' Version (2.3V – 5.5V)-Low Power 'LF' variant (1.8V – 3.6V)

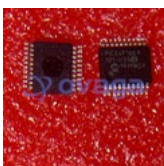
25mA Source/Sink current I/O

Enhanced Power-On/Off-Reset

Brown-Out Reset (BOR)

In Circuit Serial Programming (ICSP)

## Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc  
SSOP-20



[PIC16F1936-I/SS](#)

Microchip Technology, Inc  
SSOP-28



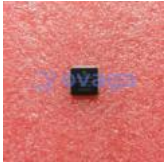
[PIC16F1938-I/SP](#)

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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SOIC-28



[PIC18F97J60T-I/PT](#)

Microchip Technology, Inc  
TQFP-100