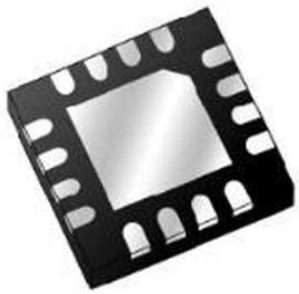
PIC16F616-I/ML

Data Sheet

14 PIN, 4KB FLASH, 128 RAM, 12 I/O, -40C to +85C, 16-QFN, TUBE,Microcontrollers (MCU) 4KB Flash 128 RAM

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-16
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for PIC16F616-I/ML or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

DEVICE OVERVIEW
The PIC16F610/616/16HV610/616 is covered by this data sheet. It is available in 14-pin PDIP, SOIC, TSSOP and 16-pin QFN packages. Block Diagrams and pinout descriptions of the devices are as follows:

- PIC16F610/16HV610 (Figure 1-1, Table 1-1)
- PIC16F616/16HV616 (Figure 1-2, Table 1-2)

High-Performance RISC CPU:
• Only 35 Instructions to Learn:
  - All single-cycle instructions except branches
• Operating Speed:
  - DC – 20 MHz oscillator/clock input
  - DC – 200 ns instruction cycle
• Interrupt Capability
• 8-Level Deep Hardware Stack
• Direct, Indirect and Relative Addressing modes

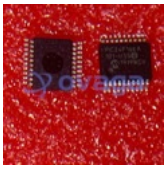
PIC16F616/16HV616 only:
• A/D Converter:
  - 10-bit resolution
  - 8 external input channels
  - 2 internal reference channels
• Timer2: 8-Bit Timer/Counter with 8-Bit Period Register, Prescaler and Postscaler
• Enhanced Capture, Compare, PWM module:
  - 16-bit Capture, max. resolution 12.5 ns
  - 16-bit Compare, max. resolution 200 ns
  - 10-bit PWM with 1, 2 or 4 output channels, programmable “dead time”, max. frequency 20 kHz

Features

Low-Power :

Peripheral :

Related Products



PIC24F16KA101-I/SS

Microchip Technology, Inc

SSOP-20

PIC16F1936-I/SS

Microchip Technology, Inc

SSOP-28

PIC16F1938-I/SP

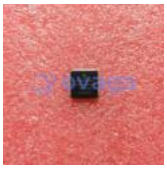
Microchip Technology, Inc

PDIP-28

PIC18F23K22-I/SP

Microchip Technology, Inc

SPDIP-28



PIC18F6520-I/PT

Microchip Technology, Inc

TQFP-64

PIC18F2620-I/SP

Microchip Technology, Inc

SPDIP-28

PIC18F2620-I/SO

Microchip Technology, Inc

SOIC-28

PIC18F97J60T-I/PT

Microchip Technology, Inc

TQFP-100