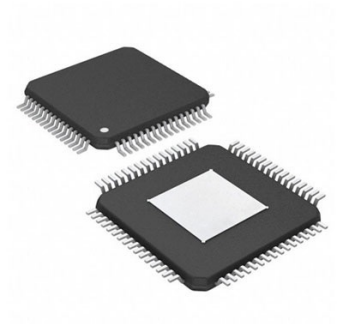



## Secure MCU 16bit PIC24 PIC Harvard 256KB Flash 2.5V/3.3V 64-Pin TQFP Tray



Images are for reference only

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	TQFP64
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

[Inquiry](#)

### General Description

16-bit microcontroller featuring an integrated crypto module and eXtreme Low Power. This device includes 256KB Flash, 16KB RAM, segmented LCD and other advanced peripherals. The combination of features makes the part ideally suited for low power embedded security applications.

## Key Features

XLP Technology for Sleep current at low as 20nA

Brown-out reset (BOR)

Low voltage detection (LVD)

Power on reset (POR)

Watch dog timer (WDT)

Hardware RTCC

6-Channel DMA

nanoWatt XLP technology

Three comparators

Charge time measurement unit (CTMU)

4x Configurable logic cells

Peripheral pin select (PPS)

6x Capture/Compare/PWM (CCP)

4x Single-output capture compare PWM module (SCCP)

3x Multiple-output capture compare PWM module (MCCP)

Up to 248 LCD segments

Hardware encryption

Enhanced parallel Master/Slave port

Thirty-one 16-bit timers

Fifteen 32-bit timers

## Application

Automotive, Consumer Electronics, Motor Drive & Control, Lighting, Medical, Security, Multimedia, Communications & Networking, Audio

## Recommended For You

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### **PIC16F84A-20/P**

Microchip Technology, Inc

DIP18

### **PIC16F54-I/P**

Microchip Technology, Inc

DIP

### **PIC18F2320-I/SP**

Microchip Technology, Inc

DIP28

### **PIC18F2685-I/SP**

Microchip Technology, Inc

SPDIP-28

### **PIC16F767-I/SO**

Microchip Technology, Inc

SOP

### **PIC16F630-I/SL**

Microchip Technology, Inc

SOP14

**PIC16F15345-I/SO**

Microchip Technology, Inc  
SOP20

**PIC16F84-04/P**

Microchip Technology, Inc  
DIP18

**PIC18F4320-I/PT**

Microchip Technology, Inc  
QFP

**PIC16C622A-04/P**

Microchip Technology, Inc  
DIP

**PIC16F84A-04/P**

Microchip Technology, Inc  
DIP18

**PIC18F2480-I/SP**

Microchip Technology, Inc  
DIP

**PIC16F628-04/P**

Microchip Technology, Inc  
DIP

**PIC16F877-20/L**

Microchip Technology, Inc  
PLCC44

**PIC16F676-I/P**

Microchip Technology, Inc  
DIP-14