



myMicrochip Login | English | Chinese | Japanese

search



- Home
- Products
- Design
- Support
- Applications
- Buy/Sample
- Corporate
- What's
- New

[Home](#) ▶ [Products Home Page](#) ▶ [Development Tools Main Page](#) ▶

- Other Links
- [Buy/Sample Options DM240313](#)
 - [Contact Microchip](#)
 - [Development Tool Selector](#)
 - [Microchip Advanced Parts Selector \(MAPS\)](#)

XLP 8-Bit Development Board [Buy it Now](#)

Part Number: DM240313



The XLP 8-bit Development Board is designed with **eXtreme Low Power** in mind. Designed as a true platform for low power development, it enables designs with sleep currents as low as 20 nA.

The board is suitable for prototyping many low power applications including RF, temperature sensors, electronic door locks, LCD , remote controls, security sensors, smart cards, and energy harvesting. The **PICtail™** interface supports Microchip's extensive line of daughter cards for easy evaluation of your next low power application.

This low cost board is the ideal complement to the **MPLAB® PICKit 3** or **ICD 3 debugger and programmer** realizing a fully-featured, economical, PIC18 or PIC16 development environment.

XLP 8-bit Development Board Features:

- PIC18F87K22(128KB Flash, 80-pin PIM) installed
- Supports other PIC16LF1947 (28KB Flash, 64-pin PIM) Separate/Un-programmed
- Current measurement terminals allow device or board level current measurements
- Expansion connector accessing full device pin-out and breadboard prototype area
- Convenient connections for MPLAB PICKit 3, ICD 3 or REAL ICE for in-circuit programming and debugging
- USB interface for power and PC communication
- 24AA256 Low Power (100nA Sleep, 1.7V Vdd) SPI serial-EEPROM
- Potentiometer (connected to 10-bit A/D, analog input channel)
- Analog output temperature sensor and CTMU based diode temperature sensor
- LEDs for indication
- Power Options: AAA, CR2032, Energy Harvesting, USB, External, or 9V power supply

*Also includes: USB Cable, Power Measurement Cable

Downloads

Title	Date Published	Size	D/L
XLP 8-Bit Development Board User's Guide	5/17/2011 9:22:00 AM	722 KB	
XLP 8-Bit Development Kit Quick Start Guide	4/21/2011 8:37:01 AM	738 KB	
XLP 8-bit Source Code V1.1	6/8/2011 10:31:31 AM	5619 KB	