PIC18 Explorer Board
No Longer Available
Part Number: dm183032

This low-cost demo board is for evaluation of our PIC18 MCU families. The PIC18 is our highest performance 8-bit architecture and has three different families: standard PIC18, PIC18 J-series and PIC18 K-series. This single development board supports dozens of the general purpose PIC18 families using various processor Plug-In Modules (PIMs). PICtail daughter boards enable many different accessory boards to connect to the PIC18 Explorer board for a flexible and complete development environment. This board is the ideal complement to the MPLAB® PICkit 3 or ICD 3 debugger and programmer for a full-featured, economical, PIC18 development environment.

Features

 ● Multiple PIC18 processors, both a PIC18F8722 on board (128KB Flash, 80 pins, superset of traditional PIC18 family), and a PIC18F87J11 Plug-In Module (128KB Flash, 80-pins, superset of J-series, PIM adjusts to accommodate 3V device). A switch selects the desired processor.
 ● Supports many other PIC18 devices with Plug-In Modules, supporting 28 to 80-pin PIC18 devices
 ● PICtail ™ daughter board connector for connection to standard expansion boards such as Ethernet, speech playback, and the many different sensors
 ● Expansion connector accesses full device pin-out and breadboard prototype area
 ● Convenient connection for MPLAB PICkit 3, ICD 3 or REAL ICE for in-circuit programming and debugging
 ● Alpha-numeric LCD display
 ● USB interface for USB to RS-232 communication
 ● 25LC256 SPI EEPROM
 ● Crystal oscillator
 ● Potentiometer (connected to 10-bit A/D, analog input channel)
 ● Analog output temperature sensor
 ● LEDs
 ● RS-232 port
 ● Power supply connector and programmable voltage regulator, capable of operation from 2.0V to 5.5V
 ● Demo software including temperature sensor demo included (illustrates Microchip's analog temperature sensor MPC9701A) and 32 kHz crystal for Real Time Clock demonstration