



**Part Number:** MCP3901EV-MCU16  
**MCP3901 Eval Board for 16-bit MCU**



**Devices Supported:** MCP3901, PIC24F, PIC24H, dsPIC33, PIC18F86J55

**Summary Description:**

The MCP3901 ADC Evaluation Board for 16-Bit MCUs system provides the ability to evaluate the performance of the MCP3901 dual channel ADC. It also provides a development platform for 16-bit PIC based applications, using existing 100-pin PIM systems.

**This Kit Contains:**

- MCP3901 ADC Evaluation Board
- 9V Power Supply Adapter and Cable
- USB-to-Serial Cable
- dsPIC33FJ256GP710A
- PIC24FJ128GA010

**Features:**

- Dual ADC MCP3901 output display using Serial communication to PC Software Interface
- Simultaneous 4 ksps at 90 dB SINAD and top speed 55 ksps performance on dual MCP3901 channels
- System and ADC performance analysis through graphical PC tools showing Noise Histogram, Frequency Domain (FFT), Time domain scope plot, and statistical numerical analysis
- Robust hardware design with analog grounding and analog/digital separation, allowing low noise evaluation of MCP3901 devices. Separate power supplies and power planes - 4 layer board
- PICtail Plus connectors for Explorer-16 daughter board compatibility

