

MCP3901 ADC Evaluation Board for 16-Bit MCUs

Part Number: MCP3901EV-MCU16

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

Summary Description:

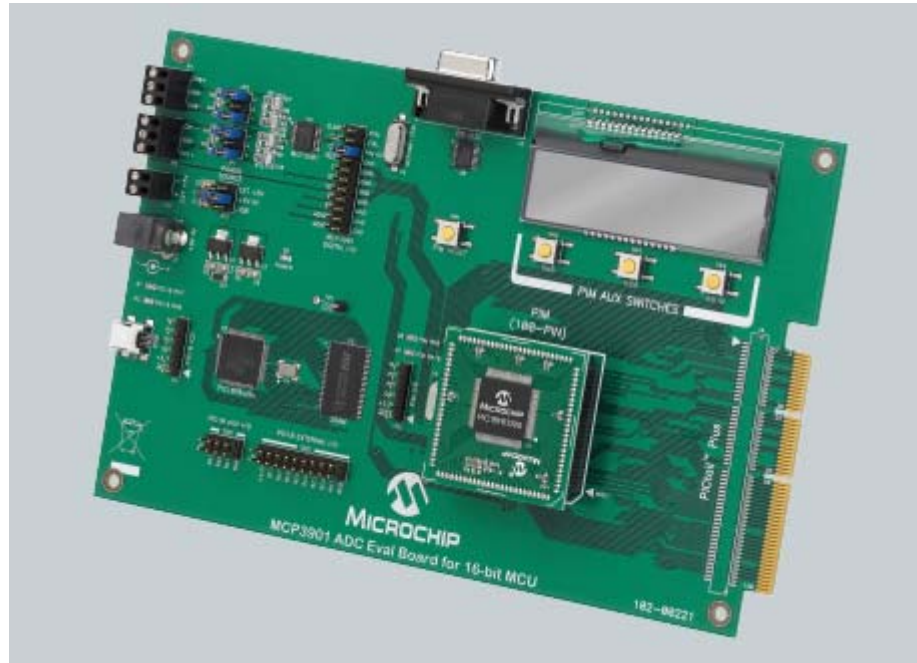
The MCP3901 ADC Evaluation Board for 16-Bit MCUs system provides the ability to evaluate the performance of the MCP3901 dual channel ADC. It also provides a development platform for 16-bit PIC based applications, using existing 100-pin PIM systems.

Other Development Tools:

- REAL ICE,
- ICD2,
- PICkit2

Other Requirements:

- RS232 cable or USB to RS232 adapter cable



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