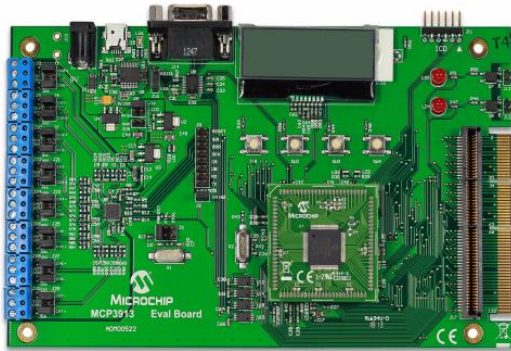# adm00522 - MCP3913 Evaluation Board

Features:

- Six-channel ADC MCP3913 output display using serial communication to the PC software interface
- Simultaneous 57 ksps at OSR32 address loop ALL or 95 dB SINAD at OSR512 performance on MCP3913
- System and ADC performance analysis through graphical PC software 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 the MCP3913 device; includes separate power supplies and power planes on a 4-layer board
- PICtail™ Plus connectors for Explorer 16 daughter board compatibility

The MCP3913 ADC Evaluation Board for 16-Bit MCUs system provides the opportunity to evaluate the performance of the MCP3913 six-channel AFE. It also provides a development platform for 16-bit PIC® based applications, using existing 100-pin PIC microcontroller Plug-in Module (PIM) systems that are compatible with the Explorer 16 and other high pin count PIC® based demo boards. The system comes with a programmed PIC24FJ256GA110 PIM module that communicates with the Energy Management Utility software for data exchange and ADC setup via a USB connection to the board.

Contact Information:

www.Farnell.co.uk

www.Newark.com

www.Microchip.com