



Pmods™ are small I/O interface boards that extend the capabilities of your existing control boards quickly, easily and cost-effectively.

- Simple real-world signal integration into FPGA designs
- Easy rapid prototyping
- Easy to download and use software
- Clear, straightforward support

#### **PmodAD4**



The Digilent Pmod-AD4 is a 16-bit, successive approximation, analog-to-digital converter (ADC) that operates from a single power supply, VDD. It contains a low power, high speed, 16-bit sampling ADC and a versatile serial interface port. On the CNV rising edge, it samples an analog input IN+ between 0V to REF with respect to ground sense IN-. The reference voltage, REF, is applied externally and can be set independent of the supply voltage, VDD. Its power scales linearly with throughput.

#### **PmodAD6**



The Digilent Pmod-AD6 is powered by the Analog Devices AD7091R, a 12-bit successive approximation analog-to-digital converter (ADC) that offers ultralow power consumption (typically 349  $\mu$ A at 3 V and 1 MSPS) while achieving fast throughput rates (1 MSPS with a 50 MHz SCLK).