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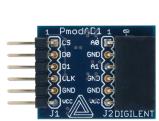
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Pmod AD1

The Digilent Pmod AD1 (Revision G) is a two channel 12-bit analog-to-digital converter that features 🌐 Analog Devices' AD7476A. With a sampling rate of up to 1 million samples per second, this Pmod™ is capable of excelling in even the most demanding audio applications.
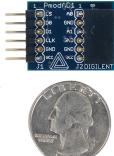

Documentation

- 📄 EMC Disclaimer, Digilent Development and Evaluation Kits

Example Projects

Microprocessor

- Installing the Digilent Core for Arduino
- 📄 Library and MPIDE Example
- 🌐 Lab test bench-oscilloscope/waveform - Community Project
- 🌐 Using the Pmod AD1 with Arduino Uno - Application note

Programmable Logic

- Getting Started with Digilent Pmod IPs
  - Digilent Pmod IPs are only supported in Vivado and Xilinx SDK versions 2019.1 and earlier.

Additional Resources

- 🌐 ZedBoard Demo Project
- Specification Version 1.2.0: 📄 PDF
- 📄 REACH Certificate of Compliance

Buy

Reference Manual	Technical Support

Pmod AD1
Two 12-bit A/D Inputs

Features
• Simultaneous A/D conversion at up to one MS/s per channel
• Two 2-pole Sallen-Key anti-alias filters
• Follows the Digilent 📄 Pmod Interface Specification

Key Specifications	
Channels	2
Sample Rate	1 MS/s per channel
Resolution	12-bits
Electrical	
Bus	SPI
Specification Version	1.2.0
Logic Level	3.3V or 5V
Physical	
Width	0.95 in (2.42 cm)
Length	0.80 in (2.03 cm)
Design Resources	
Fritzing Part	📄
3D CAD file	📄 STP file
Documentation	
Primary IC	🌐 AD7476A
Reference Manual	Pmod AD1 Reference Manual
Schematic	📄

Support	
J1 Pinout	

1 2 3 4 5 6

Pin 1	~CS
Pin 2	D0
Pin 3	D1
Pin 4	SCLK
Pin 5	GND
Pin 6	VCC

J2 Pinout	

6 5 4 3 2 1

Pin 1	A0
Pin 2	GND
Pin 3	A1
Pin 4	GND
Pin 5	GND
Pin 6	VCC

Product Compliance	
HTC	8473301180
ECCN	EAR99
EMC Disclaimer	📄 PDF

🏷 pmod, pmod-start, pmod-spi, pmodad1, adc, resource-center