

MCP6S22 PGA PICTail Demo Board [Buy Now](#)

Part Number: MCP6S22DM-PICTL

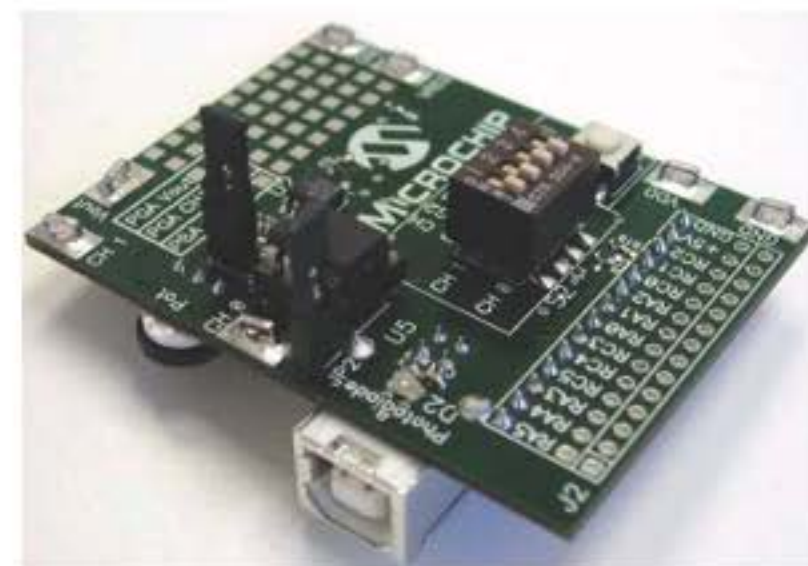
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Use the MCP6S22 PGA PICTail™ Demo Board to evaluate and demonstrate Microchip Technology's MCP6S21/2/6/8 Programmable and MCP6S91/2/3 Gain Amplifier (PGA) families.

Interface this board with Microchip's PICKit™ 1 Flash Starter Kit to demonstrate firmware integration between the PIC MCU and PGA devices, while allowing you to modify and develop firmware for your specific requirements

The MCP6S22 PGA PICTail™ Demo Board can also be used in stand-alone mode, wherein the board uses a:

- USB interface to communicate directly to a Personal Computer (PC)
- Graphical User Interface (GUI) to display the PGA output voltage



Features

Package Contents

Companion Tool

- Demonstrates MCP6S22/92 PGA functionality
- Interfaces to the PICKit™ 1 Flash Starter kit
- Interfaces directly to a PC via the USB port for stand-alone mode of operation
- 13-Bit Analog-to-Digital Converter (ADC) with SPI interface
- An optical sensor circuit connects to the PGA
- An adjustable voltage source connects to the PGA
- Four-layer PCB with separate ground and power supply planes provide noise immunity
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AppNotes	Last Updated	Size	
AN248 - Interfacing MCP6S2X PGAs to PICmicro® Microcontroller	9/26/2005 12:25:37 PM	265KB	
Documents	Last Updated	Size	
MCP6S21/2/6/8 Datasheet	2/5/2013 10:07:19 AM	724KB	
MCP6S22 PGA Thermistor Demo Board Video	5/20/2009 3:43:06 PM	18MB	
MCP6S22 PGA PICTail Demo Board Firmware	1/5/2006 12:41:45 PM	12KB	
MCP6S22 PGA PICTail Demo Board Gerbers	1/5/2006 12:00:18 PM	270KB	
Single-Ended, Rail-to-Rail I/O, Low-Gain PGA	10/20/2004 5:07:49 PM	690KB	
MCP6S22 PGA PICTail Demo Board User's Guide	10/8/2004 11:50:39 AM	467KB	