

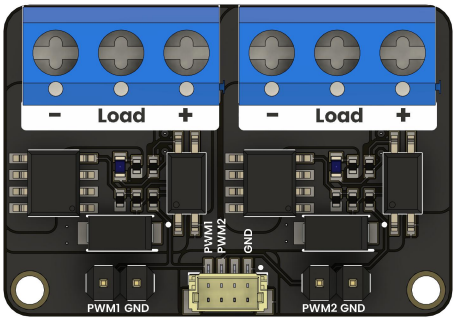
PWM module Product Brief

Universal Programmer for AVR, ARM (CMSIS-DAP), and CPLD (MAX II)
 Version: 1.0

Modified: 2025-04-30

Introduction

This two-channel PWM module PCB is purpose-built to amplify pulse-width modulation signals from a microcontroller, allowing it to switch external loads at voltages and currents well beyond the device's native limits. Its compact design, featuring clearly labeled screw-terminal connectors, is ideal for applications such as motor speed control, high-power LED dimming, or any project requiring precise PWM regulation. Additionally, a Qwiic-compatible 4-pin header is included for convenient plug-and-play wiring and daisy-chaining of power and PWM signals with standard Qwiic cables.



Functional Description

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Electrical Characteristics

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Features

- The module contains two devices that share the same features but are connected to separate input and output controls, allowing for independent operation.

Applications

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Settings

Interface Overview

Interface	Signals / Pins	Typical Use
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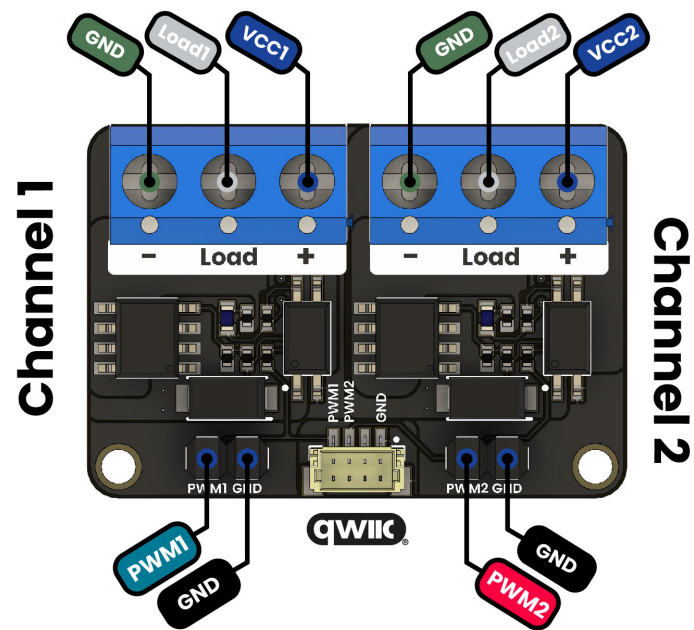
Pin & Connector Layout

Device	Input Control	Output Control	Features
PWM 1	Dedicated input for control	Dedicated output for driving	MOSFET driver with precise control and transient protection
PWM 2	Dedicated input for control	Dedicated output for driving	MOSFET driver with precise control and transient protection

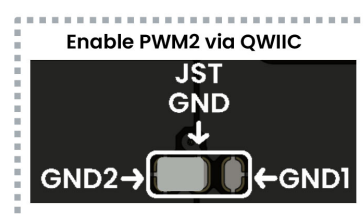
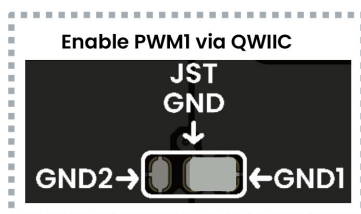
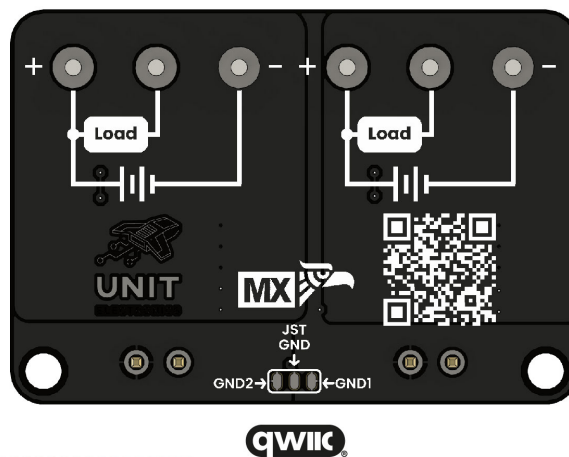
Block Diagram

PWM Module

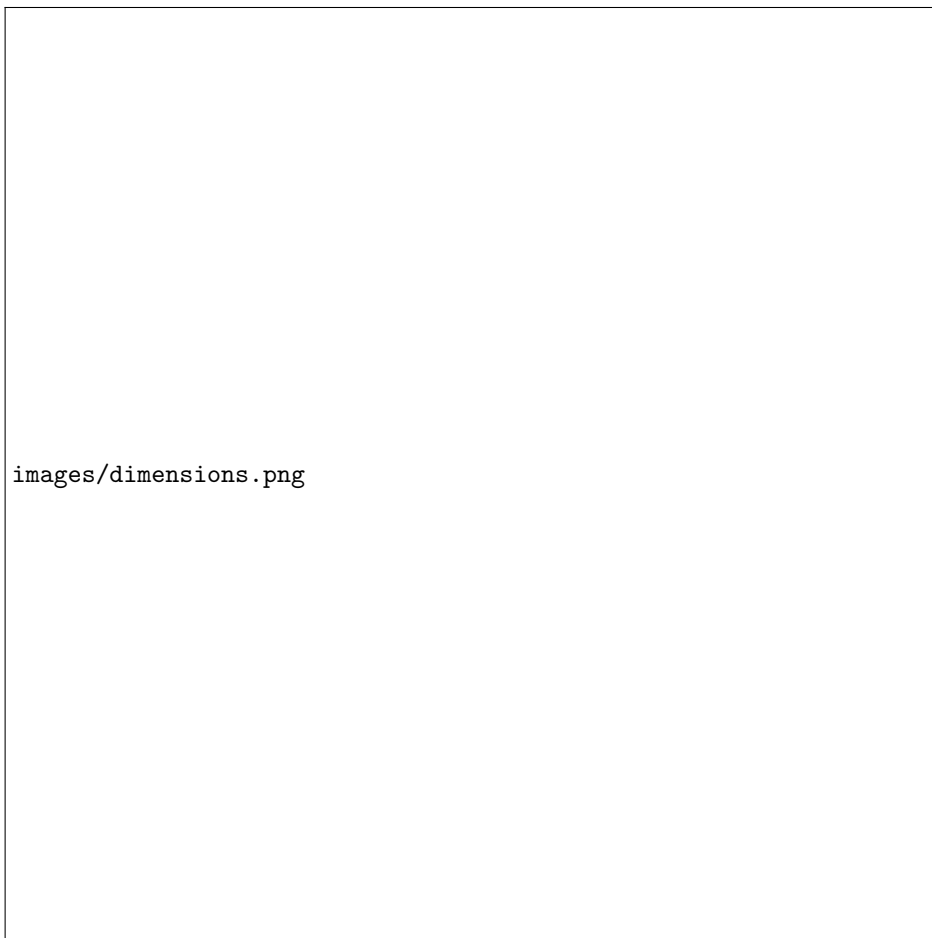
Top view



Bottom view



Dimensions



Usage

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Downloads

- Schematic PDF
- MAX1704X Library

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