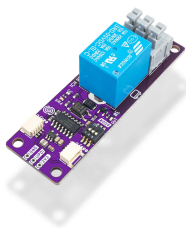


PRODUCT DATASHEET



1-Channel Relay Board With Qwiic

333021

Easily control high voltage devices with this 1-channel relay board featuring a Qwiic connector for simple, solder-free connections.

Full product documentation, files and tutorials: solde.red/333021

CORE ATTRIBUTES

SKU **333021**

WEIGHT **20 g**

BARCODE **732388674305**

DESCRIPTION

Have you ever wanted to turn on and off a device that needs large current or voltage? Whether operating on DC or AC, a relay is what you need. A relay is actually an electronic switch that is activated by a signal we send from a Dasduino or Arduino. This module further simplifies the whole process because it contains everything you need for the relay to work, and you just have to connect it to the microcontroller and power supply. You don't have to think about voltages and currents, insulation between high and low voltage or grounding, everything is already taken care of on the board.

This board has a Qwiic connector. Thanks to the Qwiic ecosystem, this board can be connected using off-the-shelf cables, without soldering. Controlling the is as simple as it gets, too.

TECHNICAL DETAILS

- **Max. DC voltage and current:** 30V, 10A
- **Max. AC voltage and current:** 250V, 10A
- **Number of relays:** 1 relay
- **Dimensions:** 70 × 22 mm / 2.8 × 0.9 inch

SPECIFICATIONS

INTERFACE	I2C
QWIIC COMPATIBLE	Yes
I2C ADDRESS DEFAULT	0x30
I2C ADDRESS CHANGEABLE	Yes
BREADBOARD COMPATIBLE	Yes

IC PART NUMBER	SRD-05VDC-SL-C
MCU PART NUMBER	ATTINY404
LOGIC LEVEL	3V3 Only
MAX OUTPUT CURRENT A	10

LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-Relay-Arduino-Library
Open Source Hardware Files	https://github.com/SolderedElectronics/1-channel-relay-board-with-easyC-hardware-design
Full Documentation	https://docs.soldered.com/relay/overview/
Arduino: Get Started	https://docs.soldered.com/relay/arduino/getting-started/
Hardware Details	https://docs.soldered.com/relay/hardware/
Arduino Library Documentation	https://docs.soldered.com/relay/arduino/Qwiic-example/
mim_package	https://checkmim.com/packages/solderedelectronics+Soldered-Relay-MicroPython-Library
MicroPython Module	https://github.com/SolderedElectronics/Soldered-Relay-MicroPython-Library
Pinout	https://cms.soldered.com/products/333021/media/333021_pinout-png_2e6b3b.svg

GALLERY

