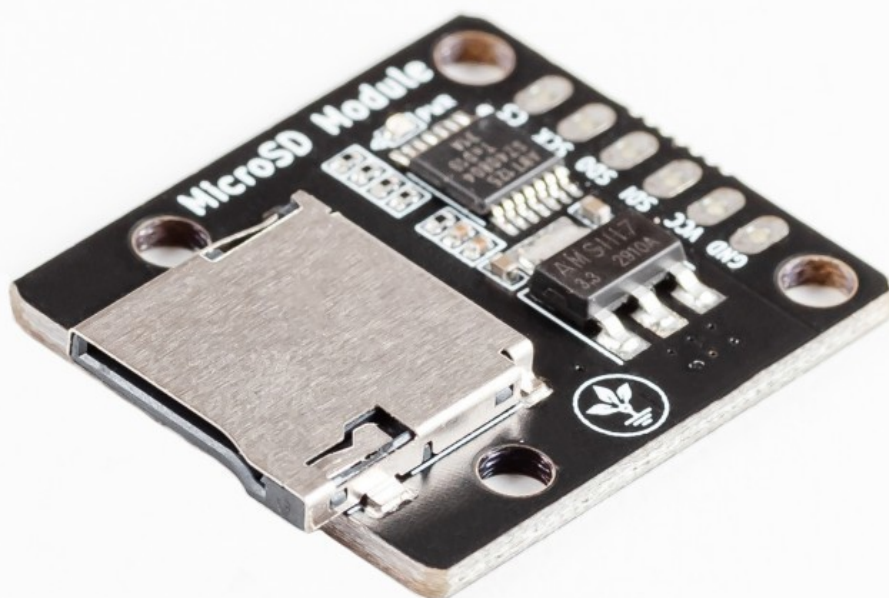


# Groundstudio MicroSD module



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## Module Circuit Schematic

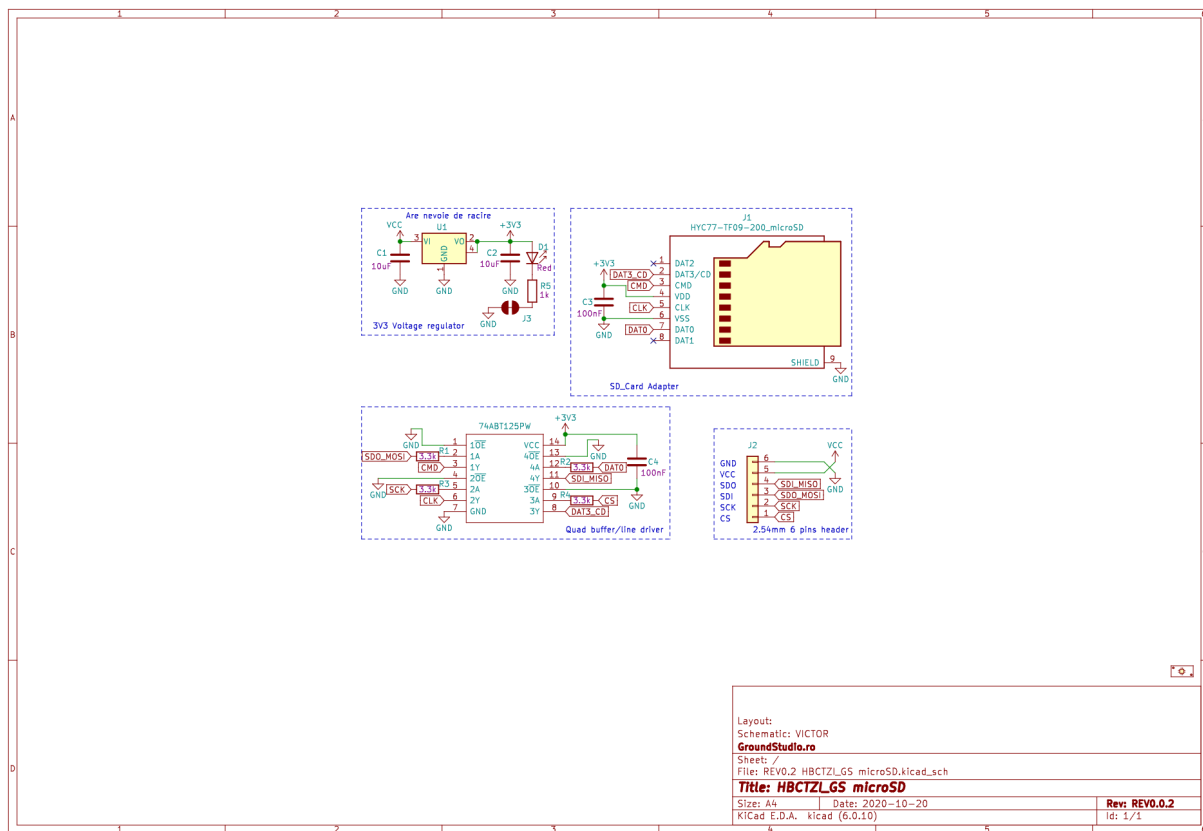


Figure 2: GroundStudio MicroSD module schematic circuit [Revision 0.0.2]

## Open Source

This is an Open Source project, you can find all the technical documents online:

[https://github.com/GroundStudio/GroundStudio\\_MicroSD\\_module/tree/main](https://github.com/GroundStudio/GroundStudio_MicroSD_module/tree/main)

## License

All documentation for GroundStudio Marble Pico is released under the [Attribution-ShareAlike 4.0 International \(CC BY-SA 4.0\)](#) license. You are welcome to use this for commercial purposes.

Please consider contributing back to this project or others to help the open-source hardware community continue to thrive and grow!

## Overview

The module integrates a microSD adapter with which you can connect a microSD card to a development board. It communicates using the SPI standard so it can be easily used together with most existing development boards.

With the help of 2.54mm pitch pins, it can be connected using a breadboard or wires with dupont connectors depending on your preferences.

The presence of the supply voltage is indicated by the "PWR" LED located on the module.

For cases where consumption is desired to be minimized, the "PWR" LED can be disconnected using the "PWR LED DISABLE" jumper located on the back of the pcb.

## Technical specifications

Supported microSD card sizes: **2GB ~ 32GB**

Supply voltage [VCC]: **5V DC**

Communication protocol: **SPI**

Dimensions: **28.7mm x 25.4mm**

## Legal disclaimer notice

This development board is considered a subassembly in accordance with FCC CFR Title 47 §15.101(e):

[https://www.ecfr.gov/current/title-47/chapter-I/subchapter-A/part-15/subpart-B/section-15.101#p-15.101\(e\)](https://www.ecfr.gov/current/title-47/chapter-I/subchapter-A/part-15/subpart-B/section-15.101#p-15.101(e))

The device does not have a standalone functionality and does not include an enclosure or power supply.

The device is mainly intended for development and prototyping but it can be integrated into a product. In this case it is the responsibility of the developer/manufacturer to obtain all the necessary certifications.

GroundStudio is a registered trademark of ARDUSHOP SRL:

<https://www.tmdn.org/tmview/#/tmview/detail/EM500000018364087>

## Developer info

ARDUSHOP SRL

Addr: Str. Aleea Unirii, Nr. 8, Ap. 7, Loc. Selimbar, Jud. Sibiu, ROMANIA, 557260

e-mail: office@ardushop.ro

## Datasheet Revision History

[Revision 1] - Initial version release