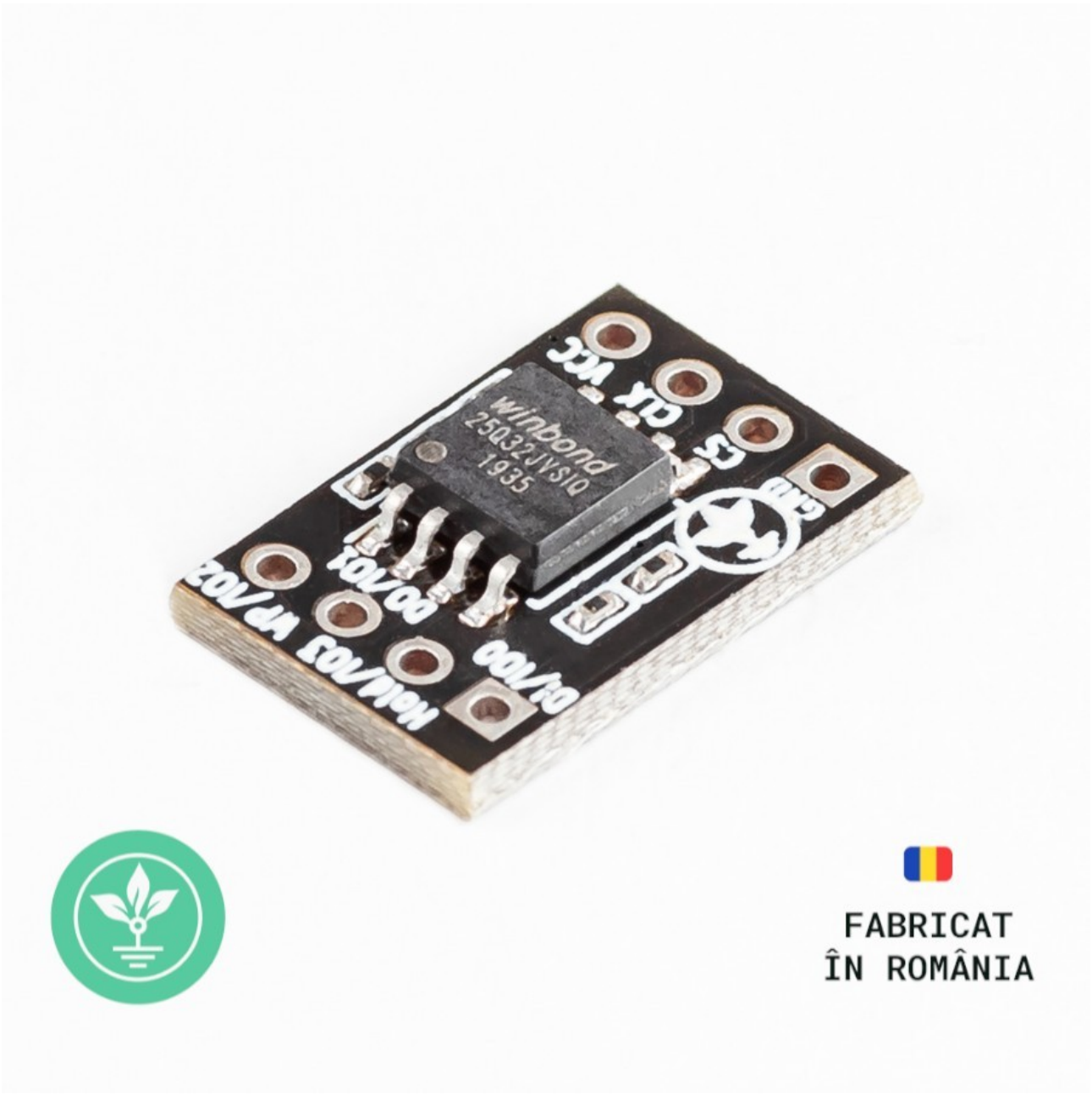
Groundstudio 4MB SPI Flash module



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Module Circuit Schematic

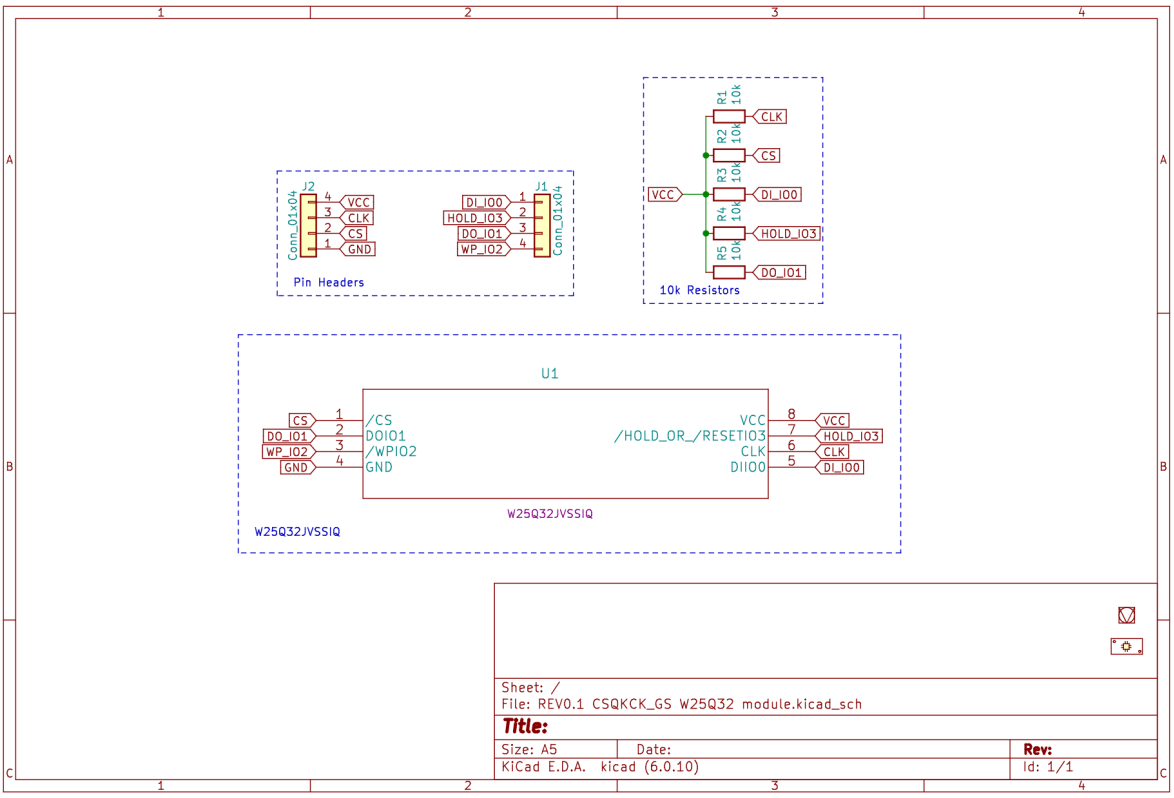

Figure 2: GroundStudio 4MB SPI Flash module schematic circuit [Revision 0.0.1]

Open Source

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

https://github.com/GroundStudio/GroundStudio_4MB_SPI_Flash_module

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

This is a 32 Mbit non-volatile memory module that offers a solution for projects where space, pins and power are limited. It uses the W25Q32JVSSIQ chip, the 25Q series shows flexibility and performance beyond the usual "Serial Flash" devices. They are ideal for the "code shadowing" technique, executing code directly from SPI, storing records, text and data.

Technical specifications

Interface: **SPI**

Capacity: **32M-bit / 4M-byte**

Operating voltage: **2.7~3.6V**

PCB dimensions: **17mm x 10.5mm**

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)

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

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Datasheet Revision History

[Revision 1] - Initial version release