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Prusa add-ons (GPIO, accelerometer,...)



GPIO schematic and dimension documentation



GPIO schematic and dimension documentation

☒ Last PostRSS Dubravko
Penezic **Dubravko Penez...**
(@dubravko-penezic)

New Member



GPIO schematic and dimension documentation

Is it a GPIO board developed with OpenHardwer in mind? , if so where can the schematic and board dimensions be founded?

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Posted : 15/10/2024 6:35 pm

 **CH**

(@c-h)



New Member



RE: GPIO schematic and dimension documentation

The GPIO board is not any magic. It's just a breakout board generally with an I2C to GPIO expander chip.

Most information is here: https://help.prusa3d.com/article/gpio-module_734695

Regarding the size: I have already seen some cases for the GPIO board on printables

<https://www.printables.com/model/998147-prusa-gpio-hackerboard-case>

<https://www.printables.com/model/1016997-prusa-gpio-hackerboard-cover>

So this could give you some measurements for the board.

I expect that the schematics will be release later as the current board states 2024-08-20. (Maybe there will be slight changes in the future).

I think the main chip of this board is something like a PCF8574 from Texas Instruments. At least is look like it, but this is my guess!




So no magic at all. But you need the Firmware 6.2.0-apha2 (or newer)

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Posted : 18/10/2024 10:43 pm

Dubravko
Penezic

● **Dubravko Penez...**
(@dubravko-penezic)

 
New Member


Topic starter answered:

RE: GPIO schematic and dimension documentation

Hi,

the board is on my desk waiting to be added to the printer, and yes it is easy to get a measurement and read components from the board, but like I said in the spirit of the Open Hardware movement it would be nice to have the schematic and dimensions of the board, even existing version because Prusa very well uses GitHub for versioning.

However you provide nice info I was searching for suggesting <https://www.printables.com/model/1016997-prusa-gpio-hackerboard-cover> , because Prusa didn't tell how to do with board wire on https://help.prusa3d.com/article/gpio-module_734695



Dubravko

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Posted : 20/10/2024 1:38 pm


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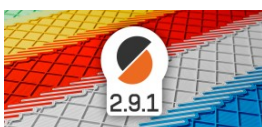
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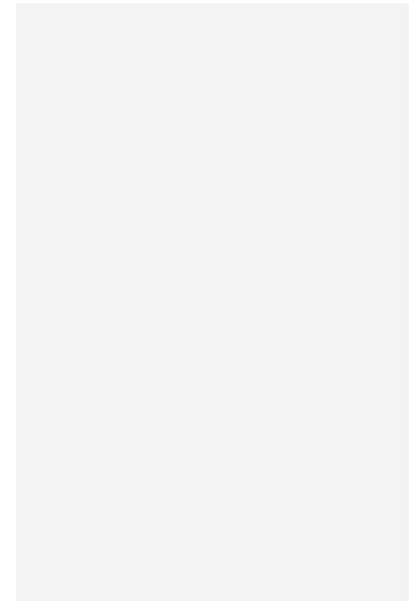
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