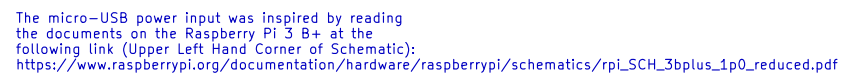


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 Sheet: /Multiplexed ADC/
 File: MultiplexedADC.sch

Title: Multiplexed Analog Input

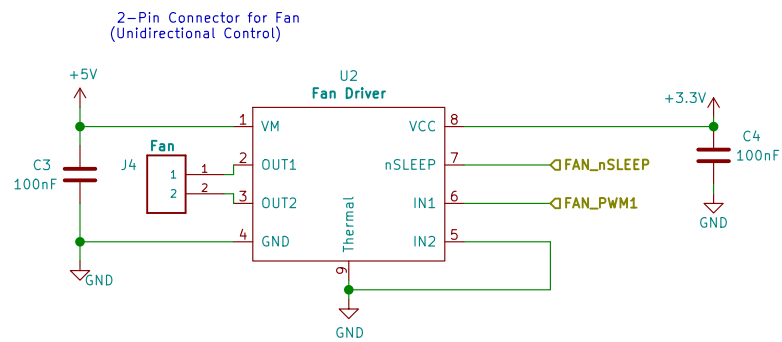
Size: USLetter | Date: 2019-11-15
 KiCad E.D.A. kicad (5.1.4)-1

Rev: A
 Id: 2/7



No changes except for the voltage regulator that the micro-USB input feeds into.





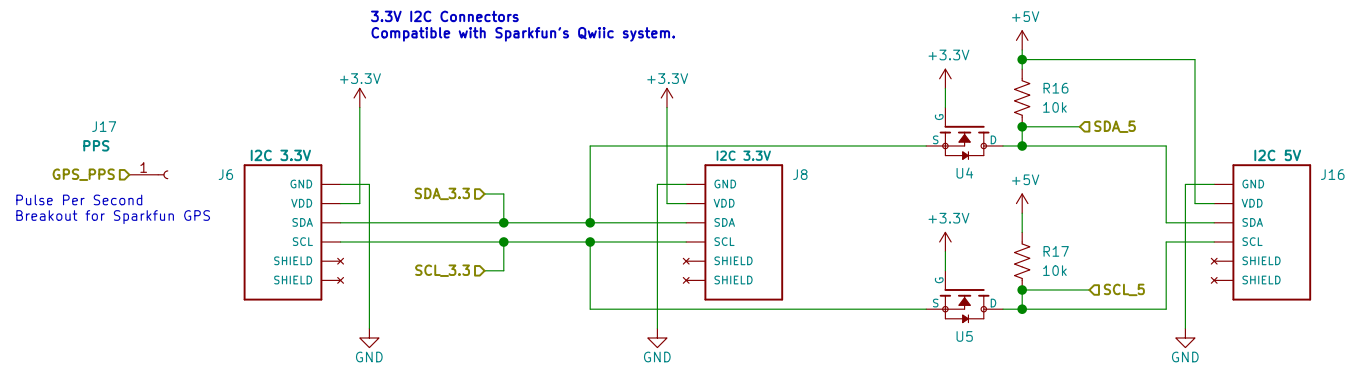
Designed By Aaron Jense
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 Sheet: /Fan Control/
 File: FanControl.sch

Title: Motor Driver for Fan

Size: USLetter Date: 2019-11-15
 KiCad E.D.A. kicad (5.1.4)-1

Rev: A
 Id: 4/7

3.3V and 5V I2C Connectors



The Bi-Directional logic level shift using the BSS138 was inspired by reading Sparkfun's schematic https://cdn.sparkfun.com/datasheets/BreakoutBoards/Logic_LevelBidirectional.pdf

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Changes:
There is no Pull-Up on the Source, because of the interl Raspberry Pi 1.8k Pull-Ups



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Sheet: /I2C/
File: I2C.sch

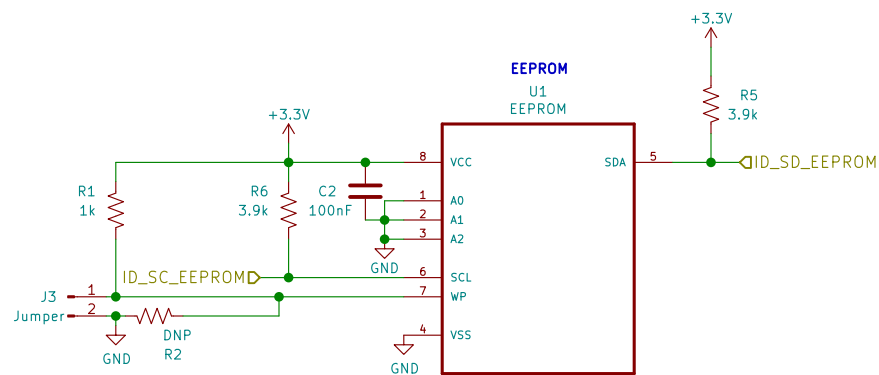
Title: I2C Connectors and Logic Level Conversion

Size: USLetter Date: 2019-11-15

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Rev: A

Id: 5/7



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 Sheet: /EEPROM/
 File: EEPROM.sch

Title: Raspberry Pi HAT Specifications

Size: USLetter Date: 2019-11-15
 KiCad E.D.A. kicad (5.1.4)-1

Rev: A
 Id: 7/7