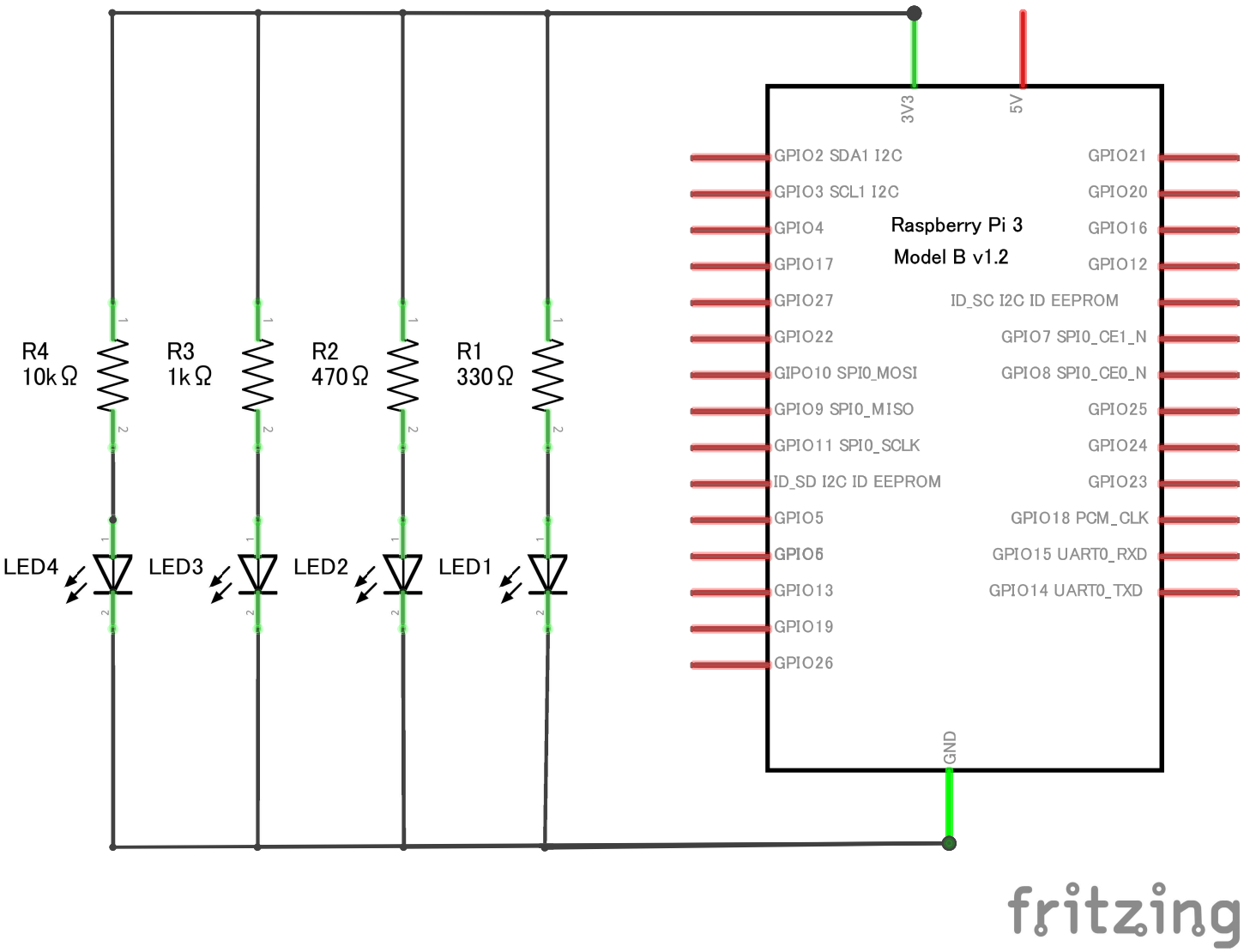
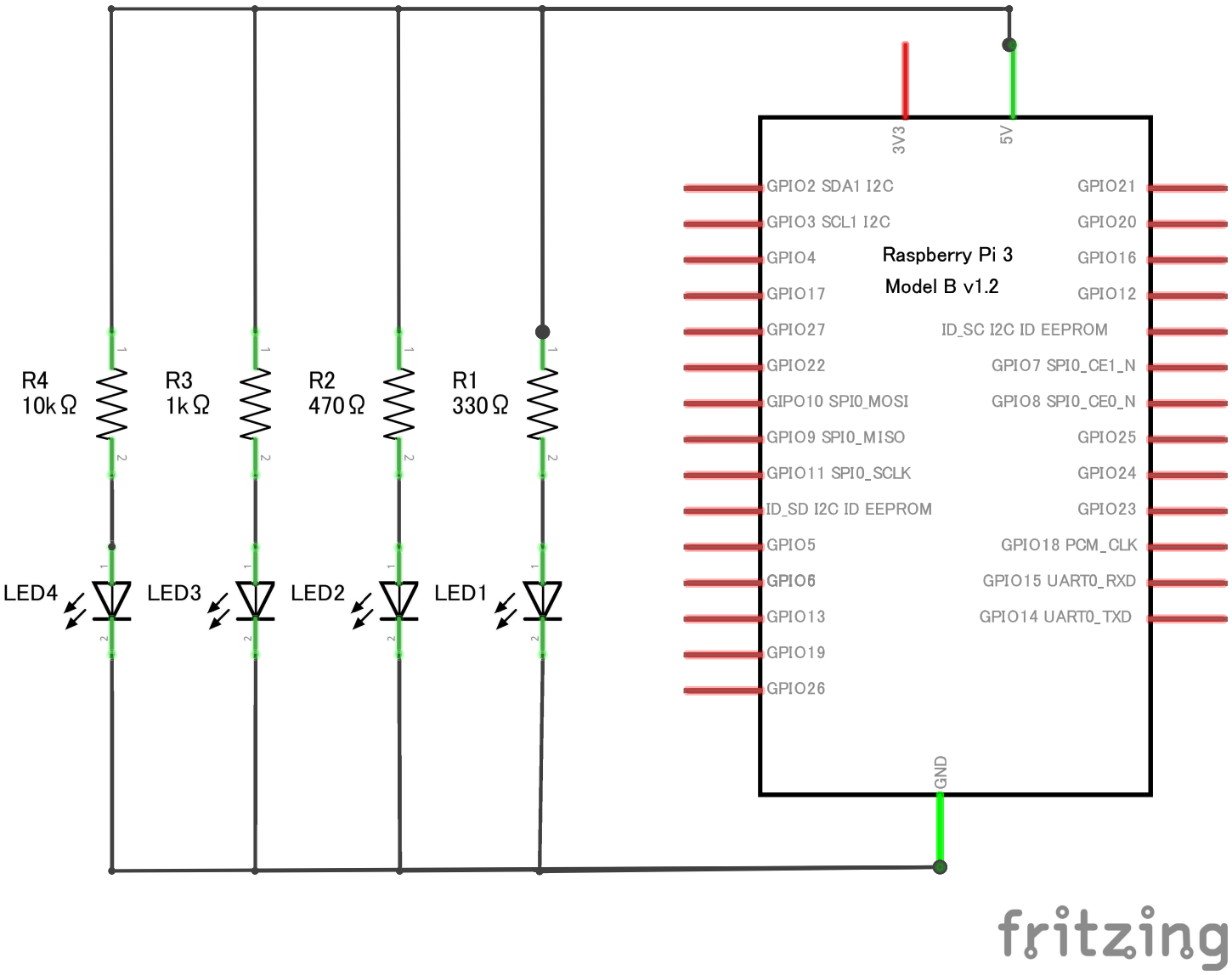

R4
10k Ω
R3
1k Ω
R2
470 Ω
R1
330 Ω
LED4
LED3
LED2
LED1
3V3
5V
GND
GPIO2 SDA1 I2C
GPIO3 SCL1 I2C
GPIO4
GPIO17
GPIO27
GPIO22
GIPO10 SPI0_MOSI
GPIO9 SPI0_MISO
GPIO11 SPI0_SCLK
ID_SD I2C ID EEPROM
GPIO5
GPIO6
GPIO13
GPIO19
GPIO26
Raspberry Pi 3
Model B v1.2
GPIO21
GPIO20
GPIO16
GPIO12
ID_SC I2C ID EEPROM
GPIO7 SPI0_CE1_N
GPIO8 SPI0_CE0_N
GPIO25
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD

fritzing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GPIO18 PCM_CLK
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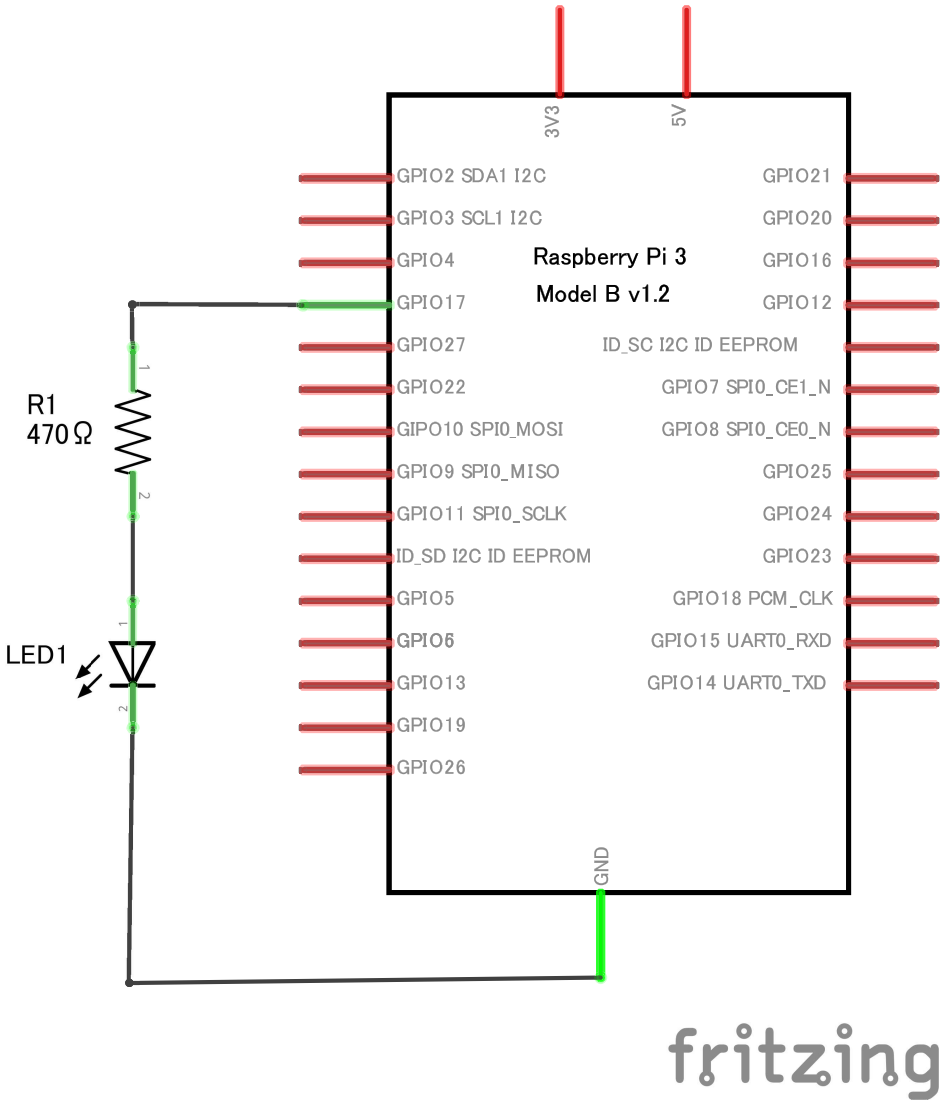
fritzing


3V3
5V
GPIO2 SDA1 I2C
GPIO3 SCL1 I2C
GPIO4
GPIO17
GPIO27
GPIO22
GIPO10 SPI0_MOSI
GPIO9 SPI0_MISO
GPIO11 SPI0_SCLK
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GPIO26
Raspberry Pi 3
Model B v1.2
GPIO21
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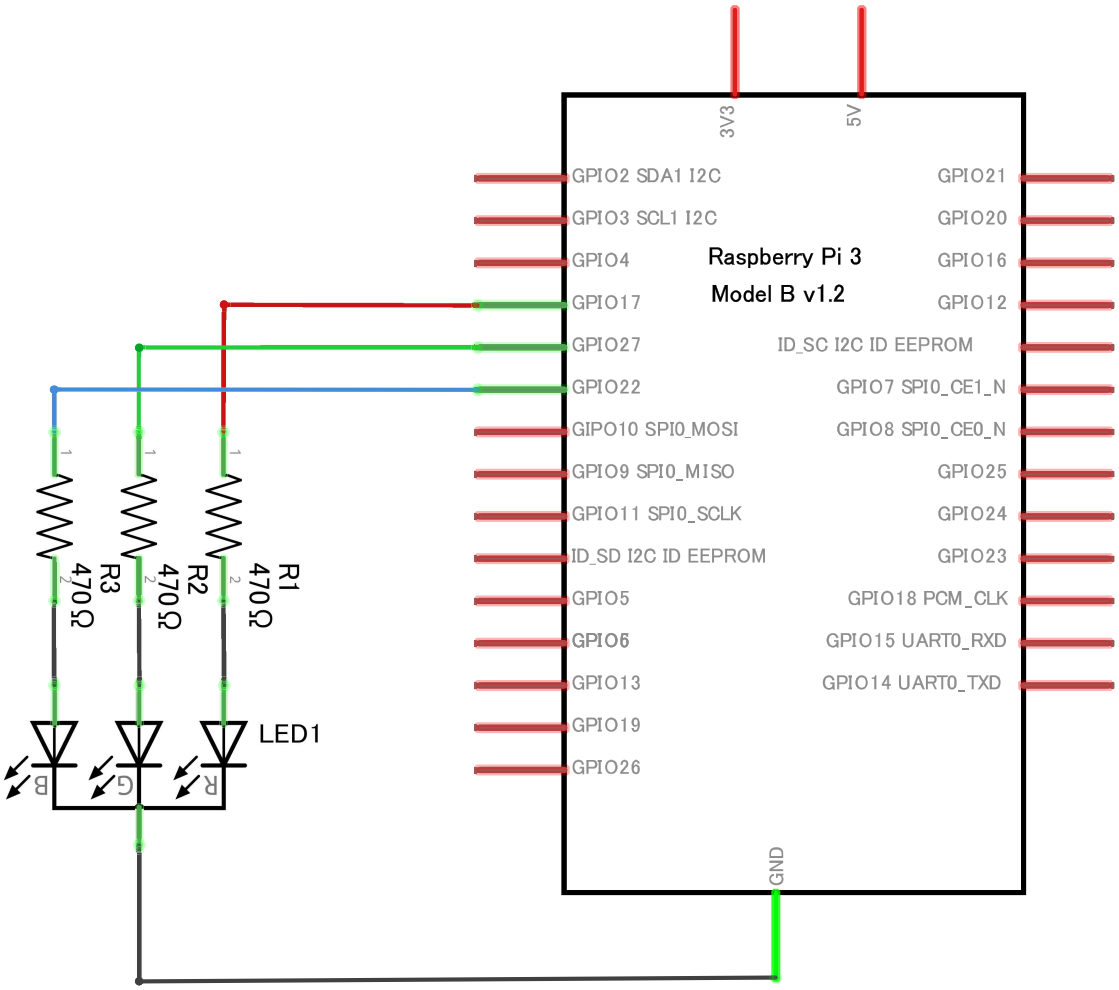
GPIO8 SPI0_CE0_N
GPIO25
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD
GND
R1
470Ω
LED1
fritzing


3V3
5V
GPIO2 SDA1 I2C
GPIO3 SCL1 I2C
GPIO4
GPIO17
GPIO27
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Raspberry Pi 3
Model B v1.2
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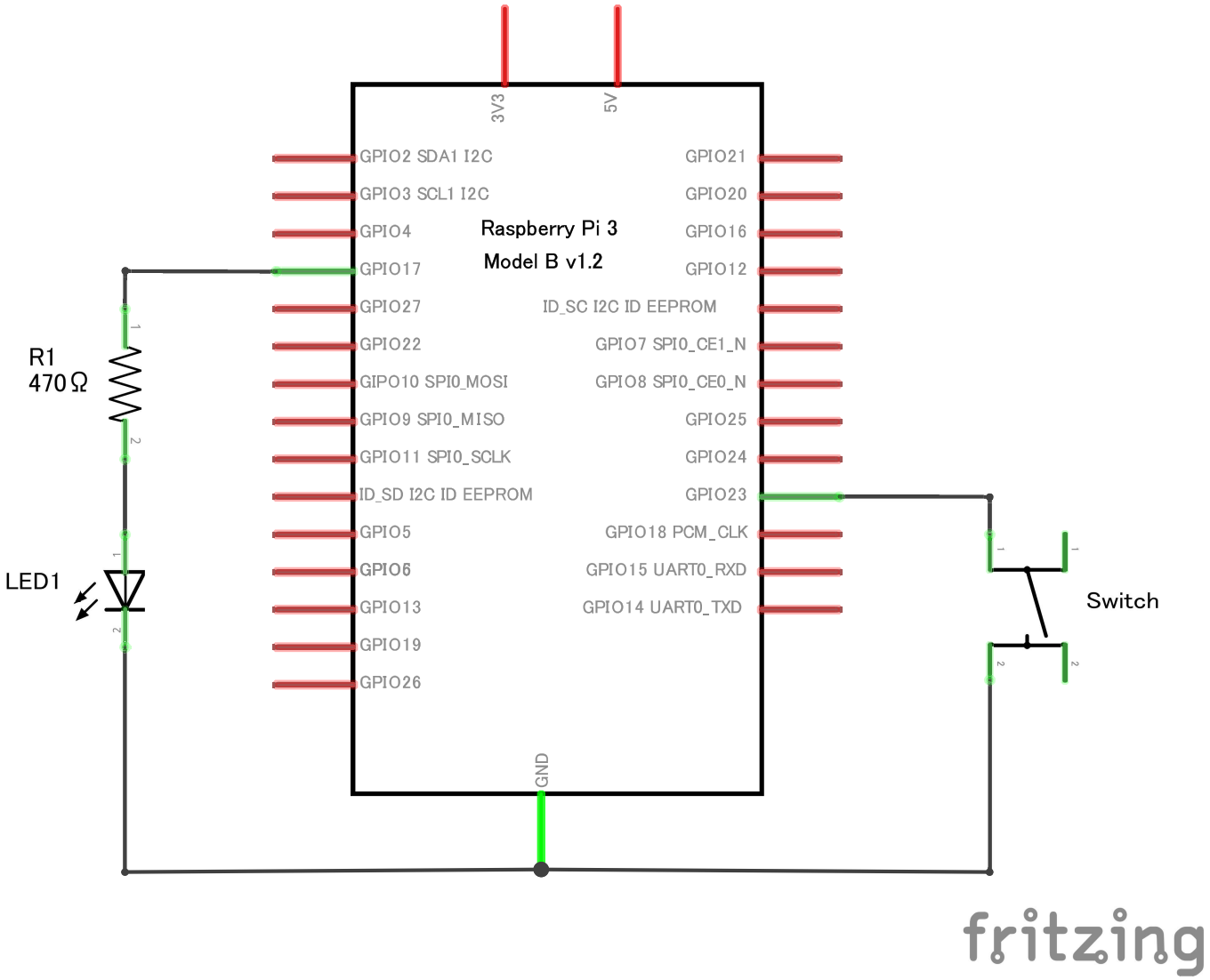
GPIO25
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD
GND
R1
470Ω
R2
470Ω
R3
470Ω
LED1
B
G
R

fritzing


3V3
5V
GPIO2 SDA1 I2C
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GPIO4
GPIO17
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Raspberry Pi 3
Model B v1.2
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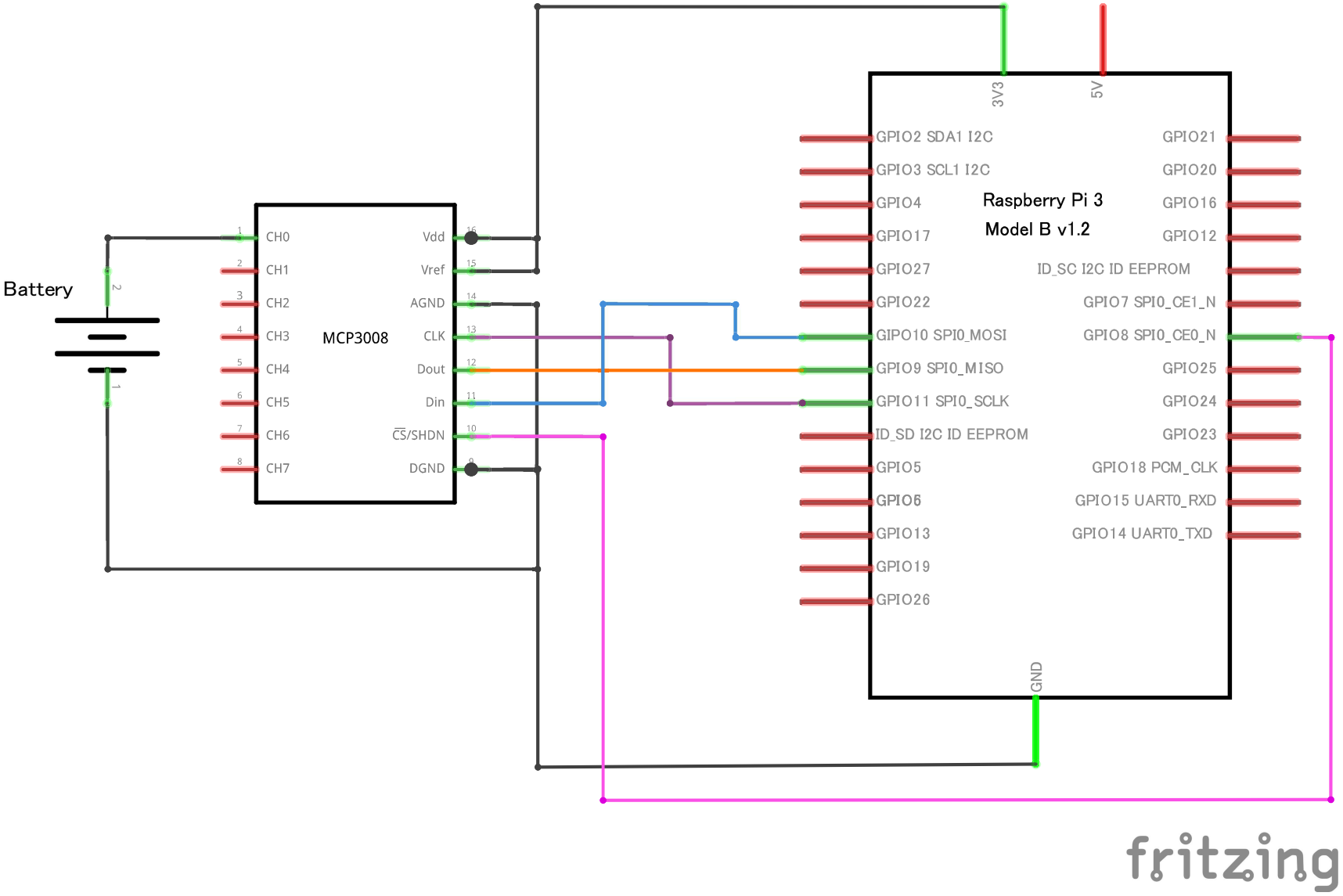
GPIO25
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD
GND
R1
470Ω
LED1
Switch
fritzing


Battery
MCP3008
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
Vdd
Vref
AGND
CLK
Dout
Din
CS/SHDN
DGND
Raspberry Pi 3
Model B v1.2
3V3
5V
GND
GPIO2 SDA1 I2C
GPIO3 SCL1 I2C
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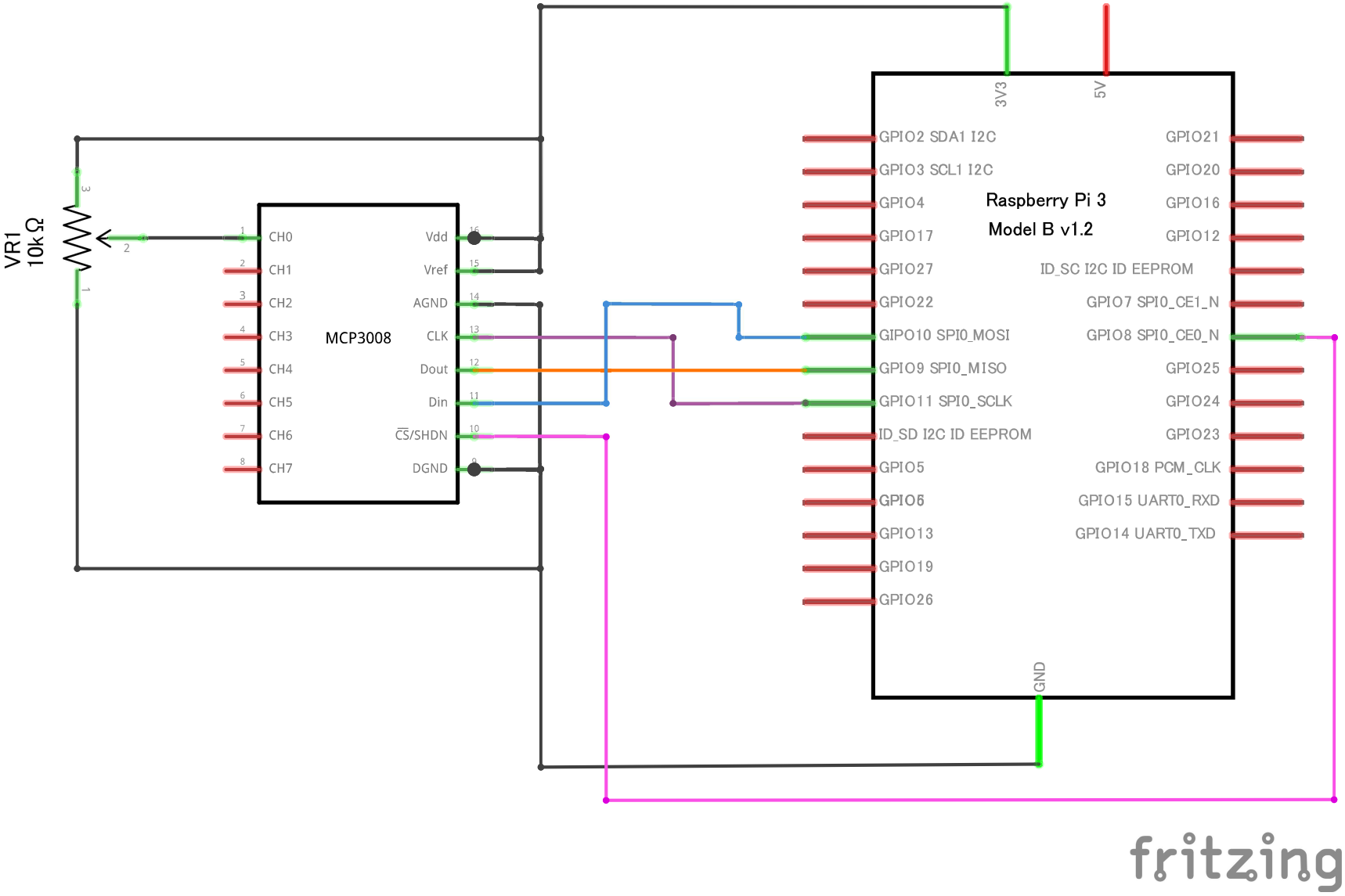
GPIO14 UART0_TXD
fritzing


VR1
10kΩ
MCP3008
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
Vdd
Vref
AGND
CLK
Dout
Din
CS/SHDN
DGND
Raspberry Pi 3
Model B v1.2
3V3
5V
GND
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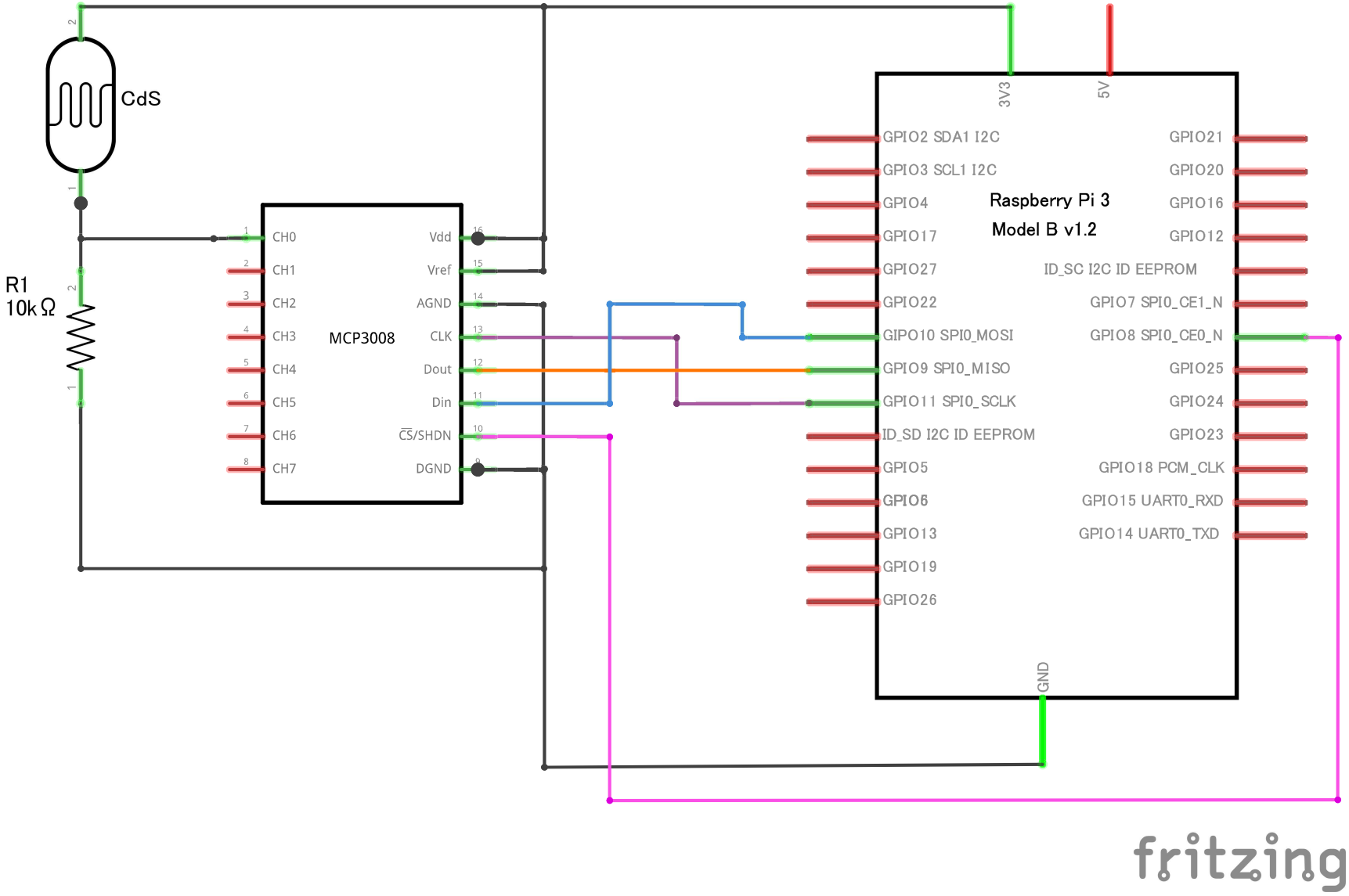
fritzing


CdS
R1
10kΩ
MCP3008
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
Vdd
Vref
AGND
CLK
Dout
Din
CS/SHDN
DGND
Raspberry Pi 3
Model B v1.2
3V3
5V
GND
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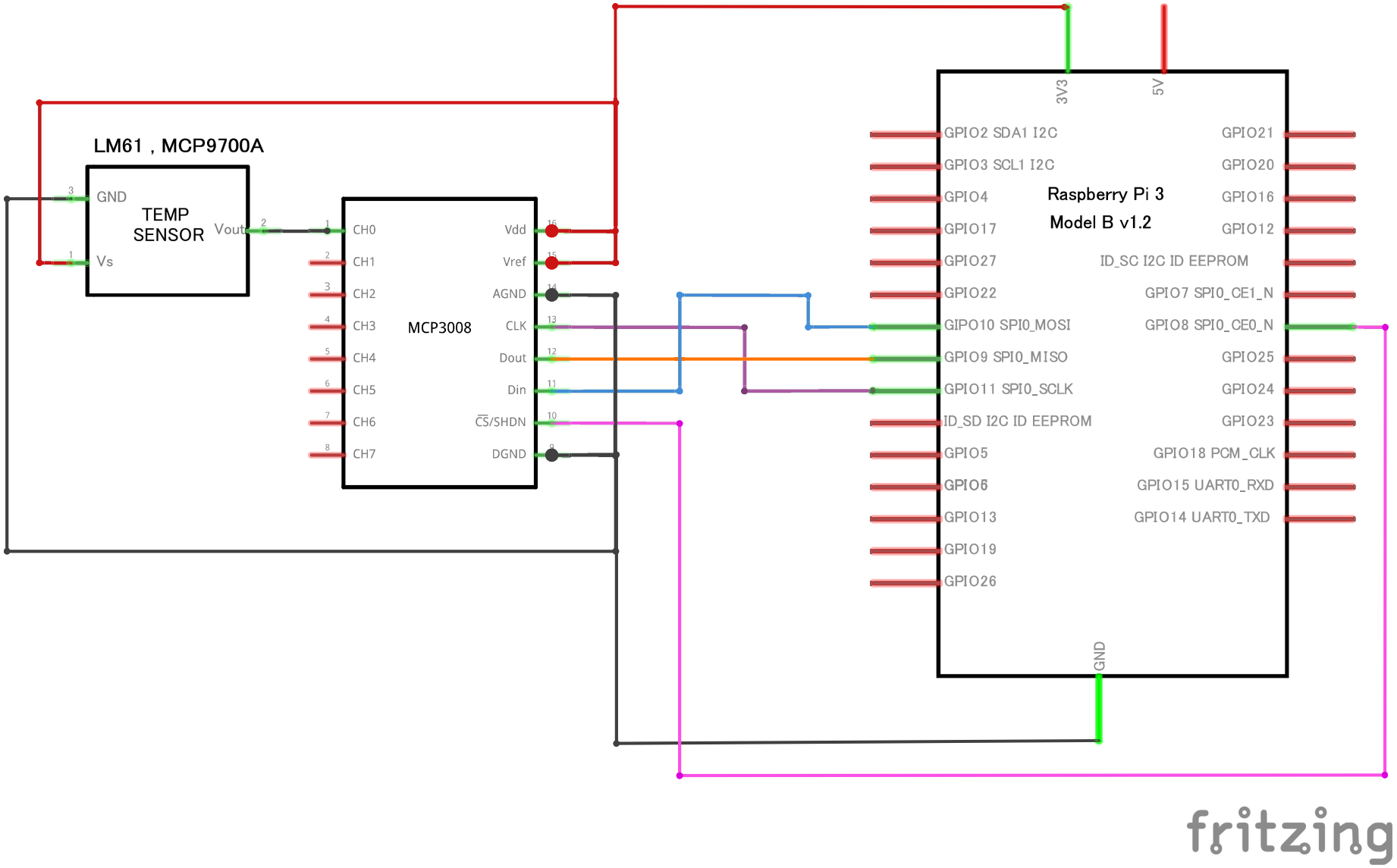
fritzing


LM61 , MCP9700A
TEMP SENSOR
GND
Vout
Vs
MCP3008
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
Vdd
Vref
AGND
CLK
Dout
Din
CS/SHDN
DGND
Raspberry Pi 3
Model B v1.2
3V3
5V
GND
GPIO2 SDA1 I2C
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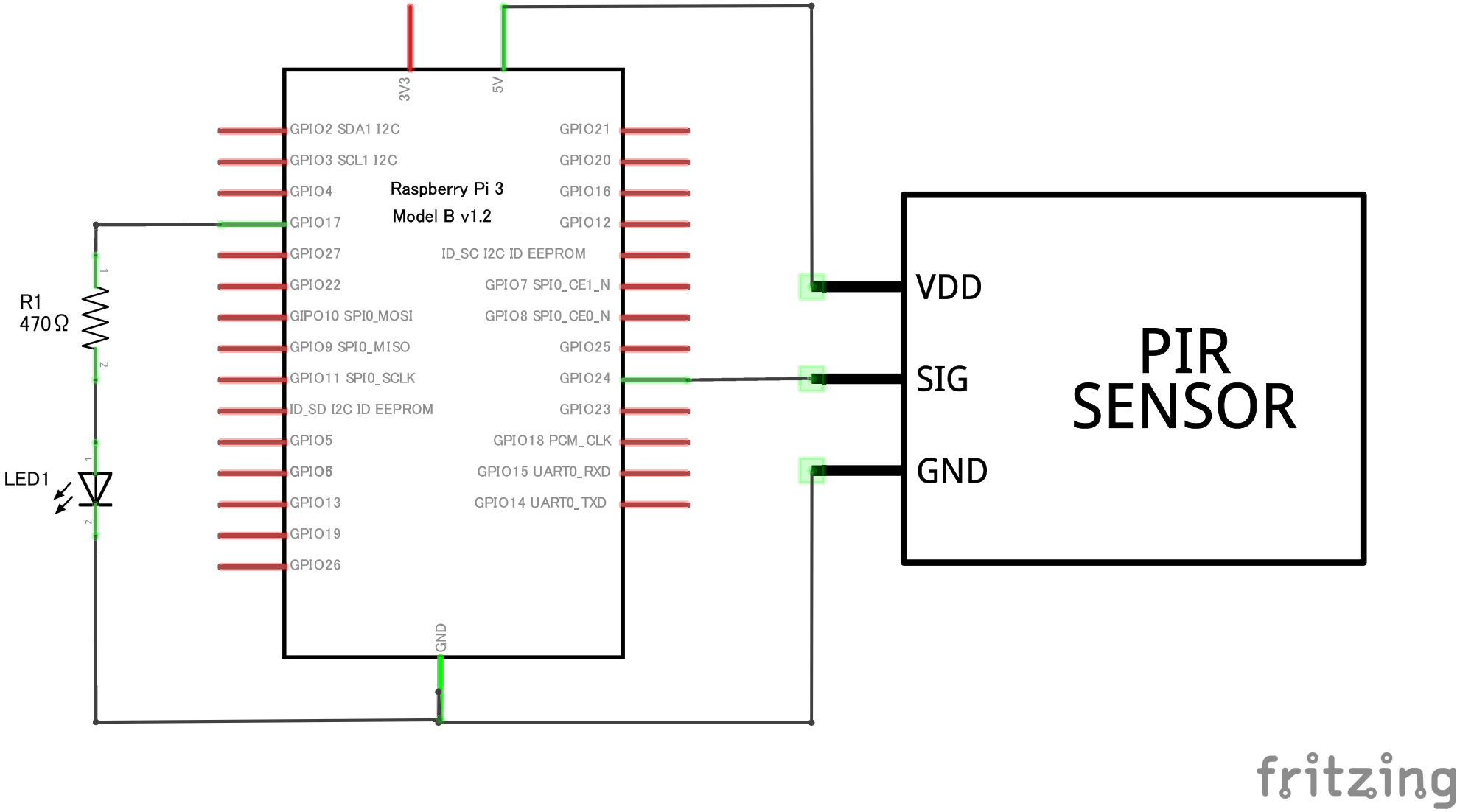
fritzing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Raspberry Pi 3
Model B v1.2
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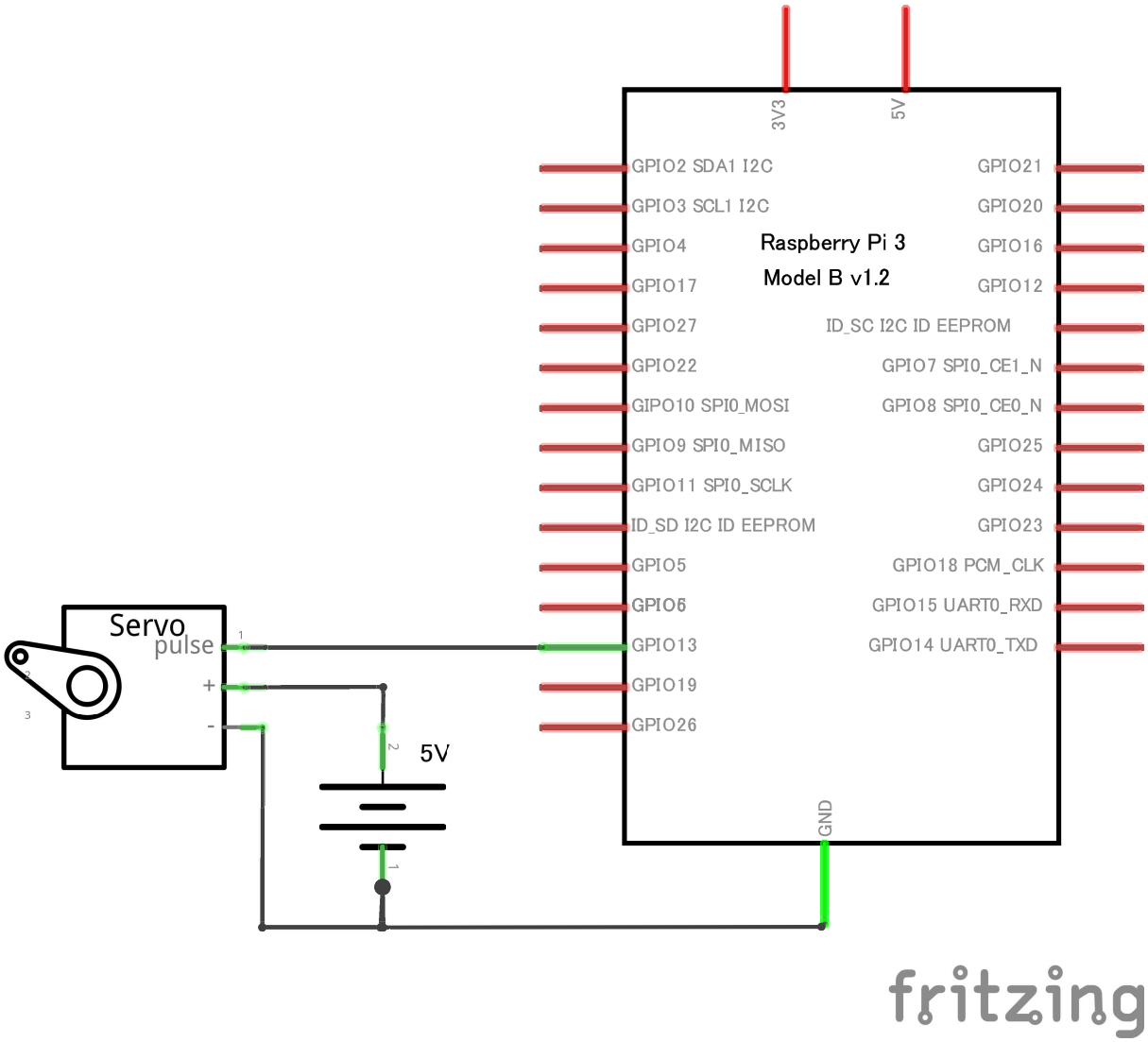
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD
GND
R1
470Ω
LED1
VDD
SIG
GND
PIR
SENSOR
fritzing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GPIO8 SPI0_CE0_N
GPIO25
GPIO24
GPIO23
GPIO18 PCM_CLK
GPIO15 UART0_RXD
GPIO14 UART0_TXD
GND
Servo
pulse
+
-
5V
fritzing