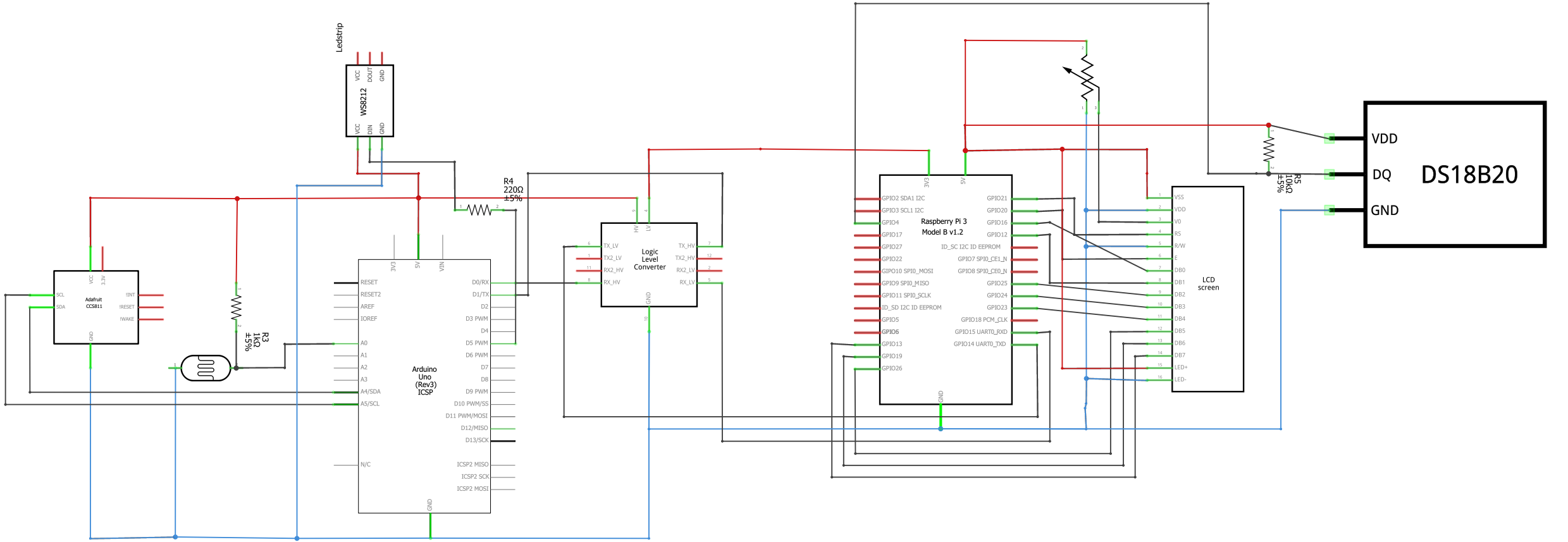
Ledstrip
WS8212
VCC
DOUT
GND
VCC
DIN
GND
R4
220Ω
±5%
R3
1kΩ
±5%
Adafruit
CCS811
SCL
SDA
VCC
3.3V
GND
!INT
!RESET
!WAKE
Arduino
Uno
(Rev3)
ICSP
3V3
5V
VIN
RESET
RESET2
AREF
IOREF
A0
A1
A2
A3
A4/SDA
A5/SCL
N/C
D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/SCK
ICSP2 MISO
ICSP2 SCK
ICSP2 MOSI
GND
Logic
Level
Converter
HV
LV
TX_LV
TX2_LV
RX2_HV
RX_HV
TX_HV
TX2_HV
RX2_LV
RX_LV
GND
Raspberry Pi 3
Model B v1.2
3V3
5V
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
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
GND
LCD
screen
VSS
VDD
V0
RS
R/W
E
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
LED+
LED-
R5
10kΩ
±5%
VDD
DQ
GND
DS18B20
fritzing