J3
Pump
Out1
Out2
GND

3V3
R1
1kΩ

U1
Vbb
IN1   OUT1
IN2   OUT2
BTS 621
ST   GND

GPIO27
GPIO17_RTS
GPIO22

R8
3.3kΩ
R9
3.3kΩ

J1
Power
12V
GND
5V

5V-2

GND

R2
470Ω
R3
470Ω

R4
330Ω
R5
330Ω

GPIO23
GPIO24

J2
Tank Sensors
Tank_low
Tank_empty
GND

R6
560Ω
R7
560Ω

GND

J4
Raspberry Pi
1   3V3
2   5V
3   GPIO2_SDA
4   5V-2
5   GPIO3_SCL
6   GND
7   GPIO4
8   GPIO14_TXD
9   GND
10   GPIO15_RXD
11   GPIO17_RTS
12   GPIO18_PWM
13   GPIO27
14   GND
15   GPIO22
16   GPIO23
17   3V3-2
18   GPIO24
19   GPIO10_MOSI
20   GND
21   GPIO9_MISO
22   GPIO25
23   GPIO11_CLK
24   GPIO8_CE0
25   GND
26   GPIO7_CE1

JP1
Socket Header
1   SDO/ADDR
2   CSB
GPIO2_SDA   3   SDI/SDA
GPIO3_SCL   4   SCK/SCL
GND   5   GND
3V3-2   6   VCC

Raspberry Pi Irrigation Controller

Projekt   Flora
Dateiname   flora_breadboard_rev05.fzz   Revision 0.5
Datum   06 Mai 2020 19:30:45   Blatt   1/1

fritzing