

## Pinbelegung Kaffeekontrolle

Rpi 3 Stand 07.09.2017

Pin	BCM	Name	Verwendung
1	-	3,3V	3,3V
2	-	5V	5V
3	2	SDA	
4	-	5V	5V
5	3	SCL	ON/OFF Taster
6	-	GND	GND
7	4	GPIO7	O_LCD_RS
8	14	TxD	
9	-	GND	GND
10	15	RxD	
11	17	GPIO0	O_LCD_E
12	18	GPIO1	O_LCD_D4
13	27	GPIO2	O_LCD_LED
14	-	GND	GND
15	22	GPIO3	O_LCD_D5
16	23	GPIO4	O_LCD_D6
17	-	3,3V	3,3V
18	24	GPIO5	O_LCD_D7
19	10	MOSI	RF522_MOSI
20	-	GND	GND
21	9	MISO	RF522_MISO
22	25	GPIO6	RF522_RST
23	11	SCLK	RF522_SCK
24	8	CE0	RF522_SDA
25	-	GND	GND
26	7	CE1	I_Mahlwerk
27	0	ID_SD	I²C
28	12	ID_SC	I²C
29	5	GPIO21	I_Wasser
30	-	GND	GND
31	6	GPIO22	O_Freigabe
32	12	GPIO26	I_Taster_minus
33	13	GPIO23	O_RGB_R
34	-	GND	GND
35	19	GPIO24	O_RGB_G
36	16	GPIO27	I_Taster_plus
37	26	GPIO25	O_RGB_B
38	20	GPIO28	I_TasterM
39	-	GND	GND
40	21	GPIO29	I_TasterOk

Verwendung	Name	BCM	Pin	Pin	BCM
3,3V	3,3V	-	1	2	-
	SDA	2	3	4	-
ON/OFF Taster	SCL	3	5	6	-
O_LCD_RS	GPIO7	4	7	8	14
GND	GND	-	9	10	15
O_LCD_E	GPIO0	17	11	12	18
O_LCD_LED	GPIO2	27	13	14	-
O_LCD_D5	GPIO3	22	15	16	23
3,3V	3,3V	-	17	18	24
RF522_MOSI	MOSI	10	19	20	-
RF522_MISO	MISO	9	21	22	25
RF522_SCK	SCLK	11	23	24	8
GND	GND	-	25	26	7
I²C	ID_SD	0	27	28	12
I_Wasser	GPIO21	5	29	30	-
O_Freigabe	GPIO22	6	31	32	12
O_RGB_R	GPIO23	13	33	34	-
O_RGB_G	GPIO24	19	35	36	16
O_RGB_B	GPIO25	26	37	38	20
GND	GND	-	39	40	21

Freie Pins	3
Verwendete Pin	37

Name	Verwendung
5V	5V
5V	5V
GND	GND
TxD	
RxD	
GPIO1	O_LCD_D4
GND	GND
GPIO4	O_LCD_D6
GPIO5	O_LCD_D7
GND	GND
GPIO6	RF522_RST
CE0	RF522_SDA
CE1	I_Mahlwerk
ID_SC	I <sup>2</sup> C
GND	GND
GPIO26	I_Taster_minus
GND	GND
GPIO27	I_Taster_plus
GPIO28	I_TasterM
GPIO29	I_TasterOk