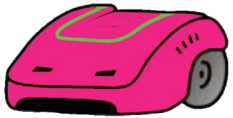
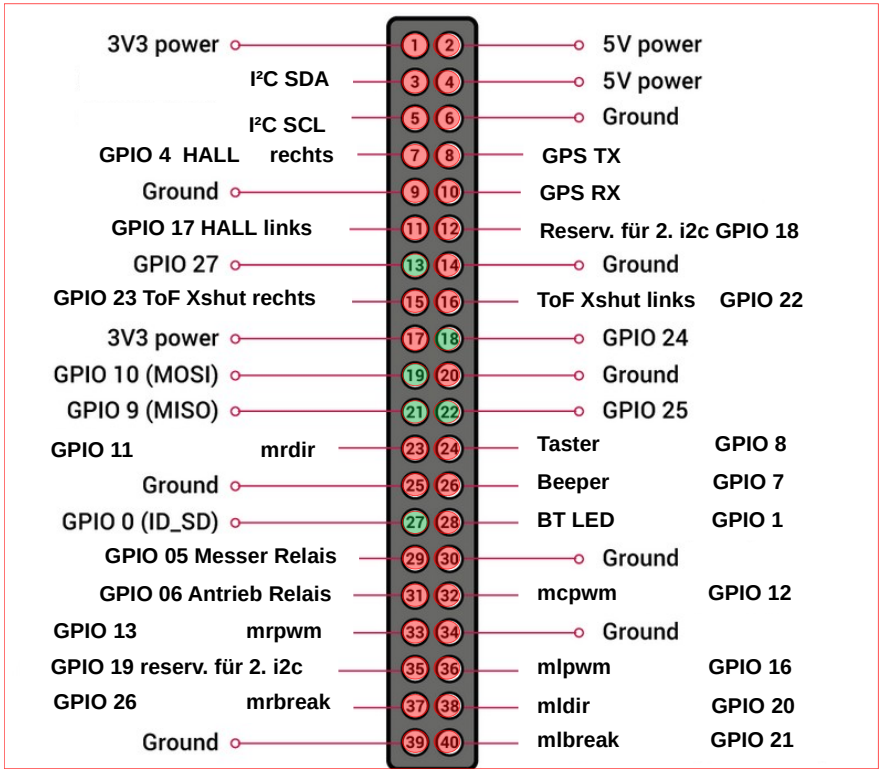
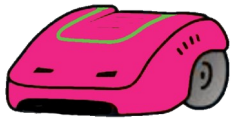


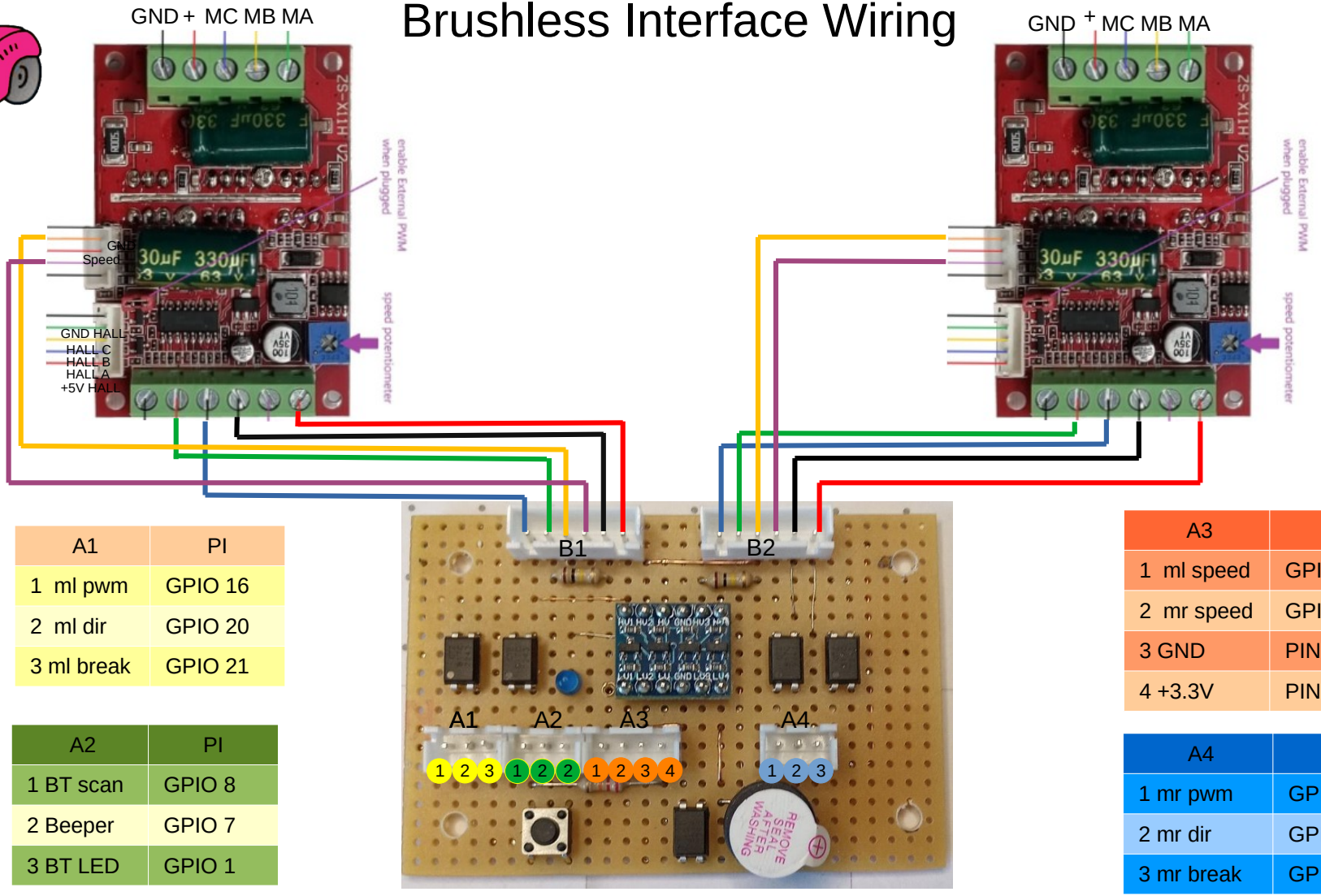
Pinout roπLawnMow



mlpwm	Motor Links PWM
mrpwm	Motor Rechts PWM
mcpwm	Motor Cutter PWM
mldir	Motor Links Richtung
mrdir	Motor Rechts Richtung
mlbreak	Motor Links Bremse
mrbreak	Motor Rechts Bremse



Brushless Interface Wiring

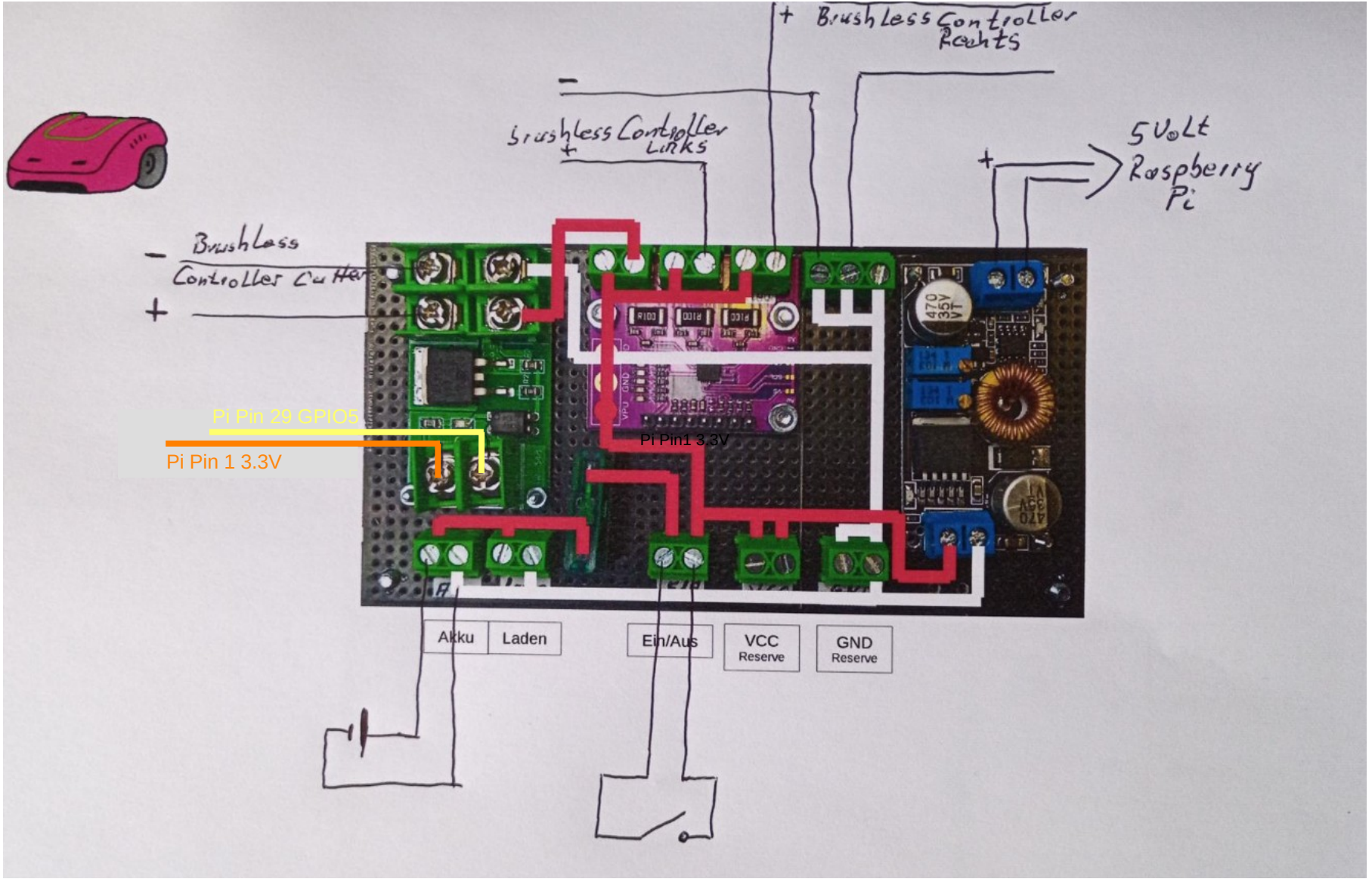


A1	PI
1 ml pwm	GPIO 16
2 ml dir	GPIO 20
3 ml break	GPIO 21

A2	PI
1 BT scan	GPIO 8
2 Beeper	GPIO 7
3 BT LED	GPIO 1

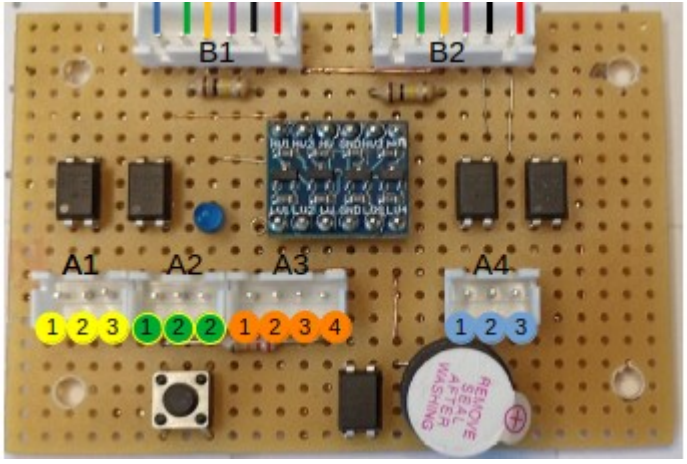
A3	PI
1 ml speed	GPIO 17
2 mr speed	GPIO 4
3 GND	PIN 6
4 +3.3V	PIN 1

A4	PI
1 mr pwm	GPIO 13
2 mr dir	GPIO 11
3 mr break	GPIO 26


+ Brushless Controller Rechts
- Brushless Controller Links
+
5 Volt Raspberry Pi
- Brushless Controller Cutter
+
Pi Pin 29 GPIO5
Pi Pin 1 3.3V
Pi Pin1 3.3V
Akku
Laden
Ein/Aus
VCC Reserve
GND Reserve

Voltagelevel per drive direction

Motor		Stecker A1		Stecker B1		Stecker A4		Stecker B2	
Left	Right	Pin 2	Pin 3	Pin 1	Pin 2	Pin 2	Pin 3	Pin 1	Pin 2
ffd	ffd	0	0	5V	0	3.3V	0	0	0
back	ffd	3.3V	0	0	0	3.3V	0	0	0
back	back	3.3V	0	0	0	0	0	5V	0
ffd	back	0	0	5V	0	0	0	5V	0



Please consider that on Pin3 of Connector A1 / A4 is only 3.3V
if the motor stopps and break is active.
It‘s the same on Pin2 of Connector B1 and B2 (5V)