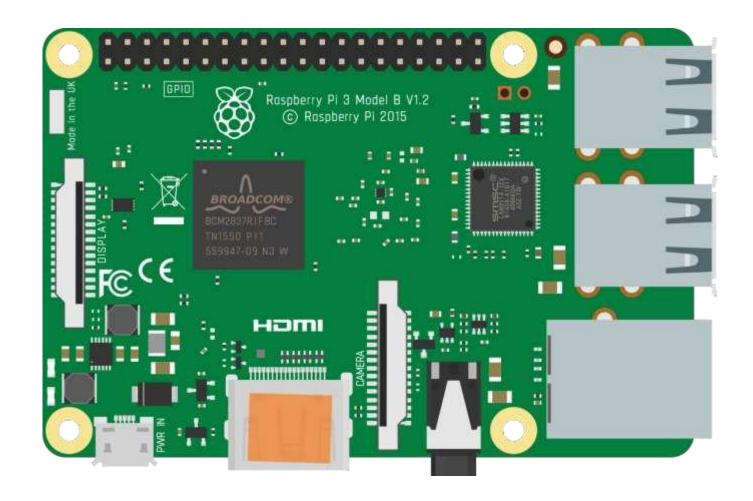
## CAST Robot Wiring Guide

## CAST Bot Contains one CPU

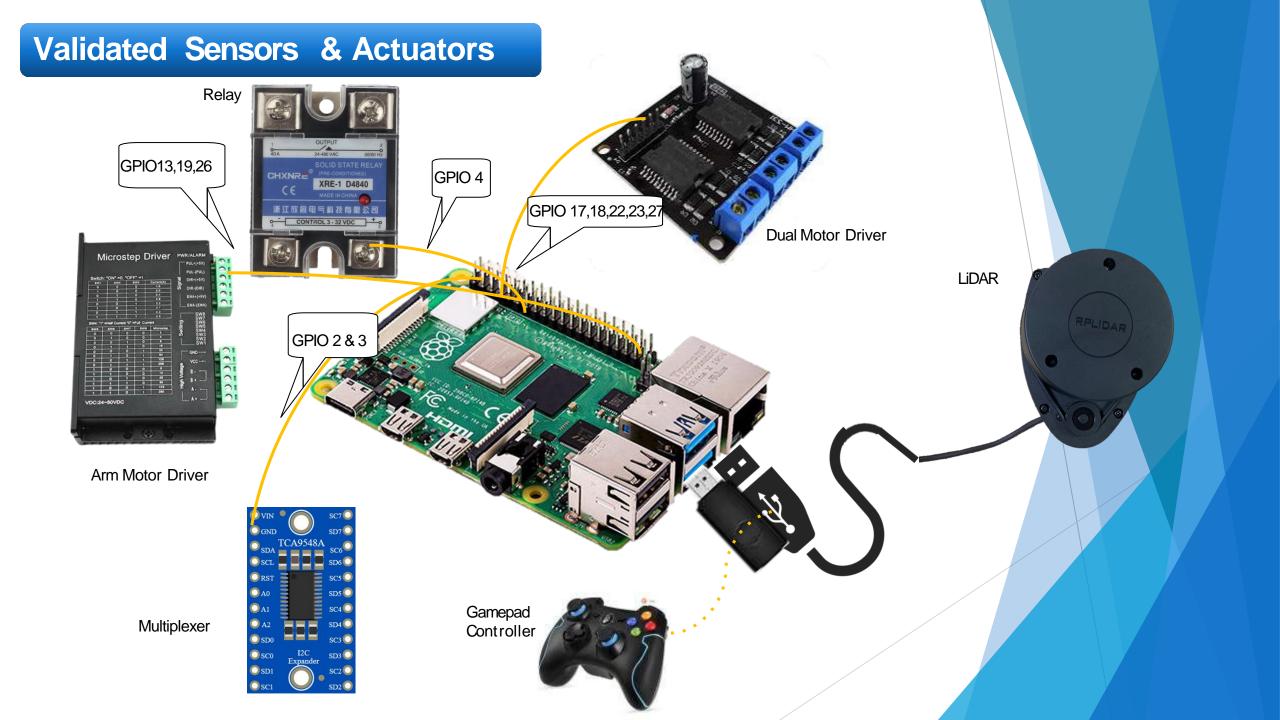




## CAST Wiring For Raspberry Pi 4

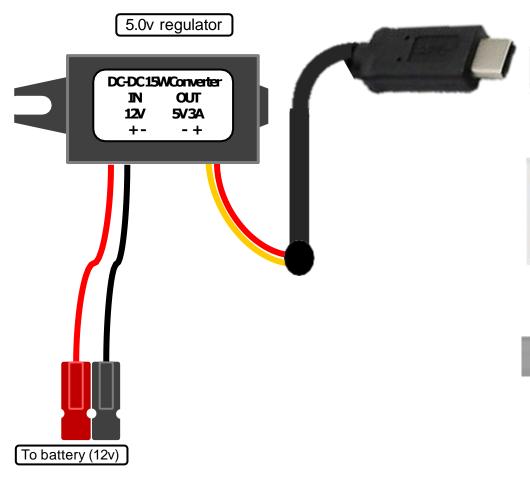


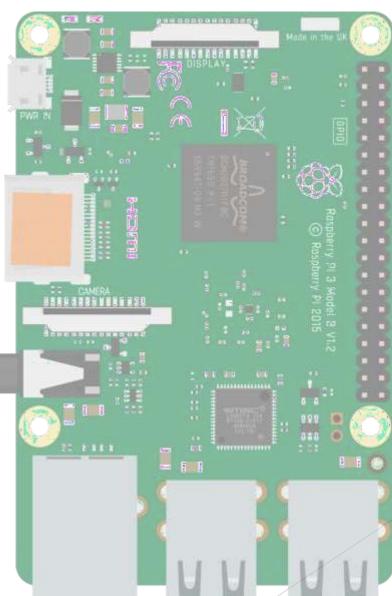




## Pi - Power Supply







### Pi - Motor Driver Signals

Keepthe wires bonded to each other, if possible.

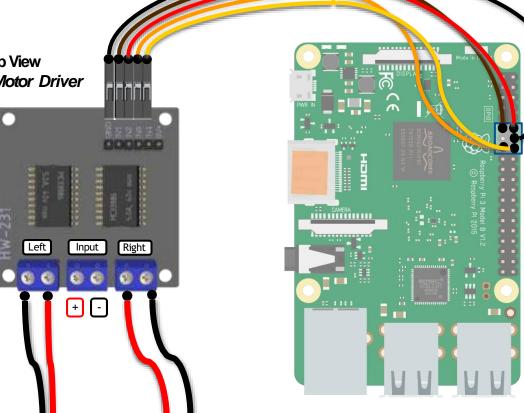




Left

Mot or

Ground is optional if the Pi and Motor Driver have a commonground to the battery pack.



Right

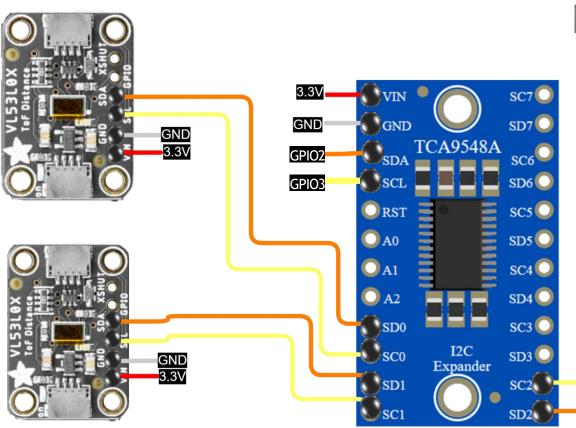
**Not or** 

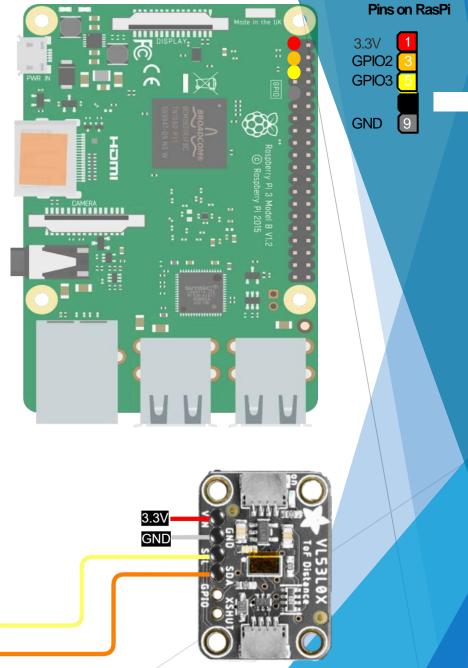
#### Pins on RasPi



#### PI - Stepper Driver - ST-M5045 Pins on RasPi **GPIO13** 35 37 39 **GPIO19 Top View** GPIO26 **Short by** STN5045 Motor Driver GND solder Keepthe wires bonded Microstep Driver to each other, if possible. LAMERA PUL-(PUL) Switch: "ON" =0, "OFF" =1 D(R+(+5V) DIR-(DIR) 24 ENA+[+5V] ENA-(ENA) SW8 SW7 SW6 SW5 SW4 SW3 SW2 SW1 VCC-VDC:24~50VDC The order on the motor may not be the same.

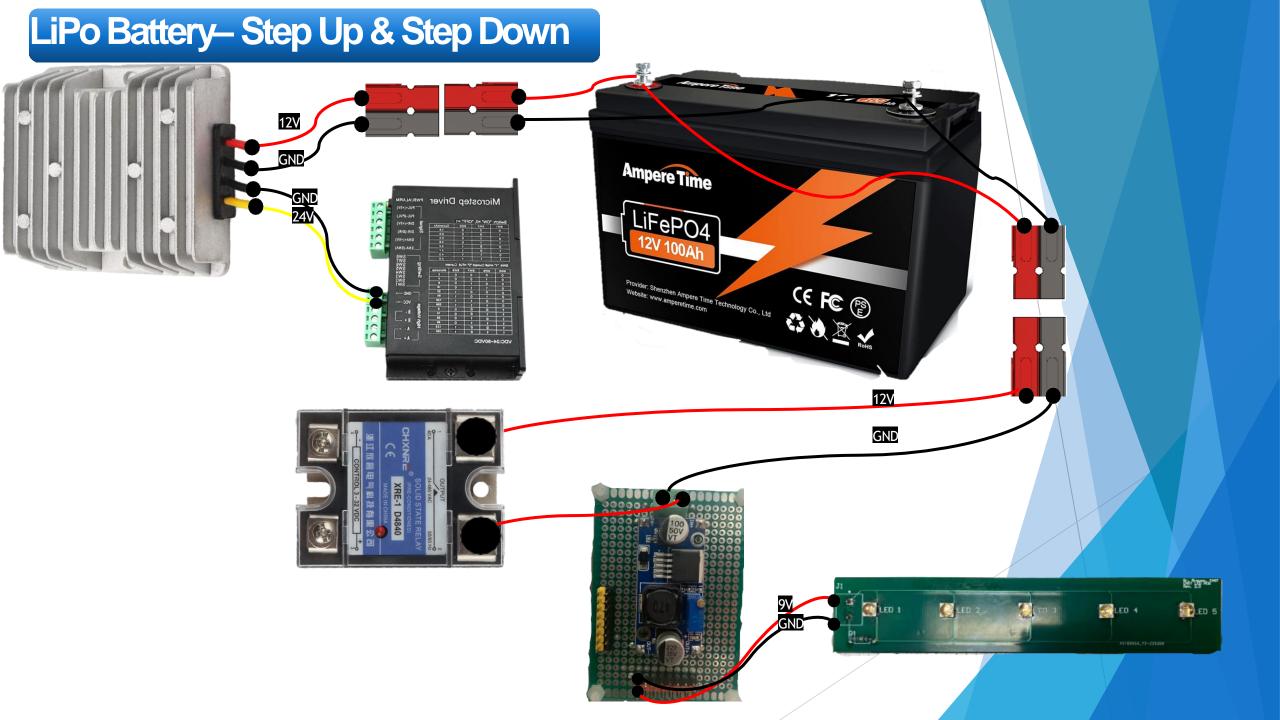
## PI - Multiplexer - TCA9548A





## PI - RPLIDAR

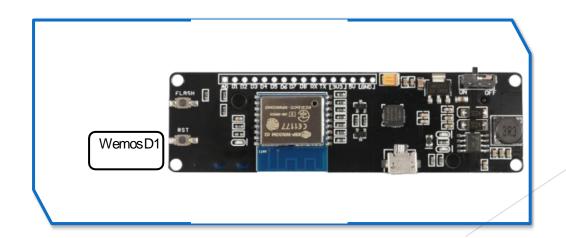




# Bacteria Killed Indicator Wiring Guide

## Bacteria Killed Indicator Contains one CPU





## Wemos D1-Wiring

