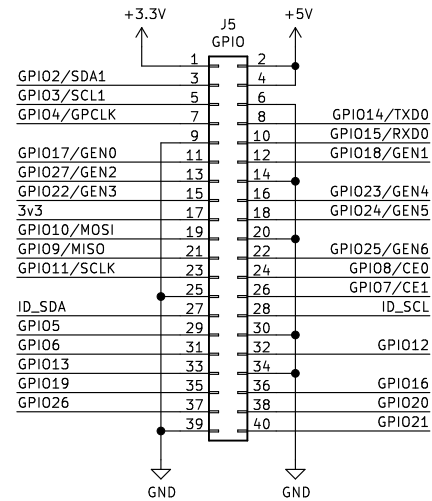
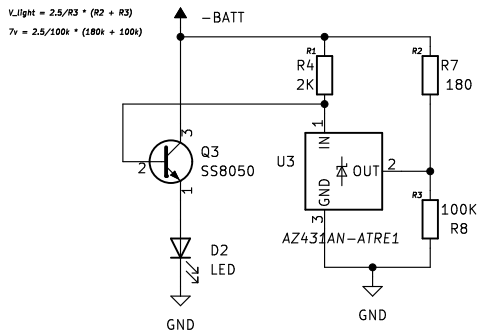


Raspberry Pi Header

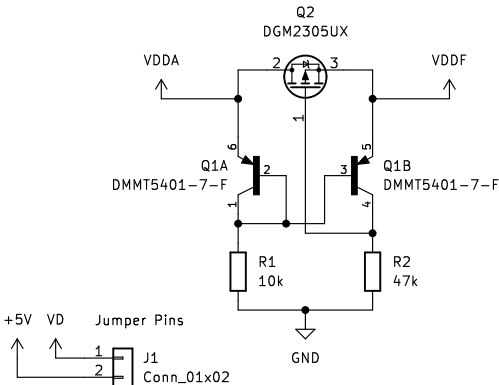


Battery Low Voltage Indicator



REF: https://www.pcbway.com/project/shareproject/Lithium_battery_low_battery_indicator_module.html

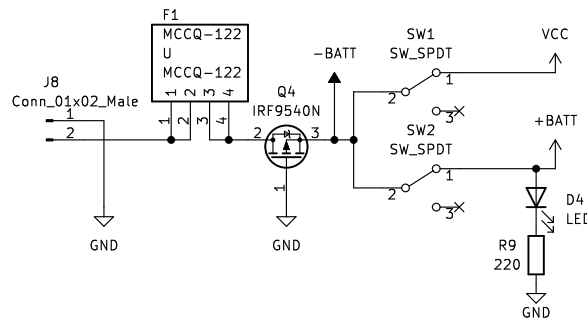
Back Power Protection – ‘Ideal Diode’



REF: <https://github.com/raspberrypi/hats/blob/master/designguide.md>

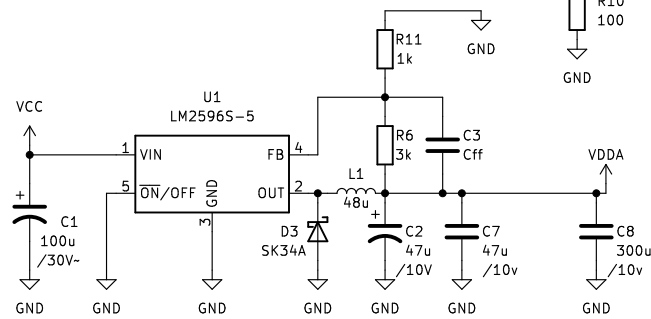
Power Supply

PMOS Reverse Polarity Protection (Hsieh, 2019)

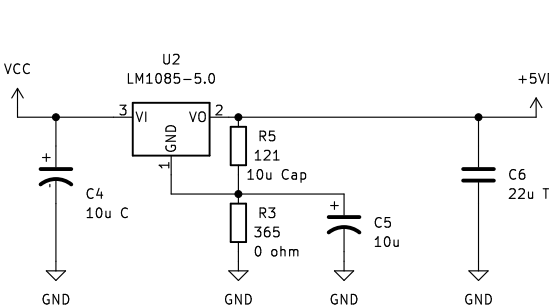


Voltage Regulators

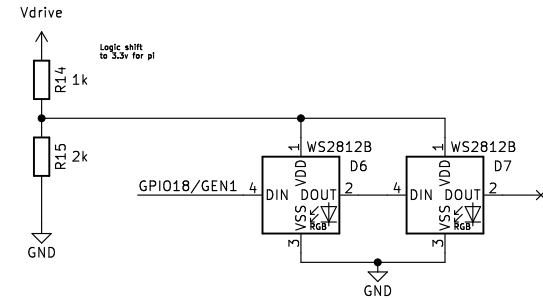
Raspberry Pi Voltage Regulator (ST, 2018)



Servo Voltage Regulator (ST, 2018)

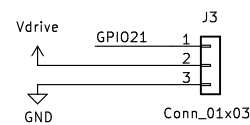


NEO-PIXELS

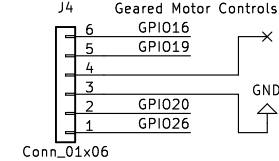


Pinouts

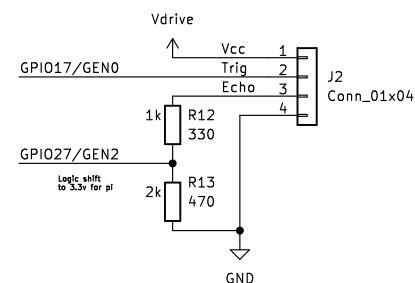
Servo Motor Output



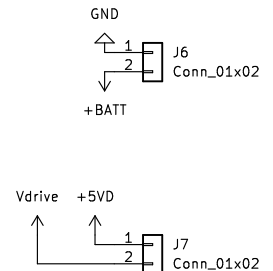
Motor Controller



Ultrasonic Sensor Output/Input



Jumper Pins



ROBOTS101 PI-HAT

Additional pin functions:
<https://pinout.xyz/>