

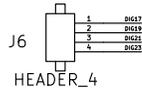
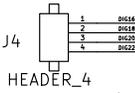
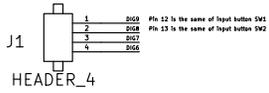
TO H-BRIDGE CONTROL PINS



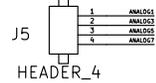
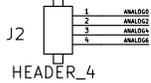
FROM ENCODER SIGNALS



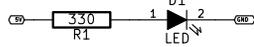
FREE DIGITAL PINS (12 ... 23)



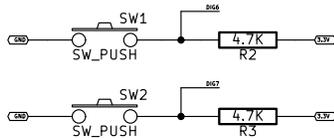
ALL ANALOG PINS (0 ... 7)



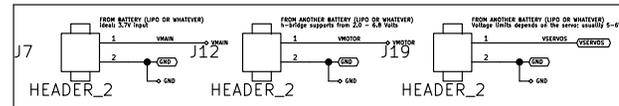
POWER LED



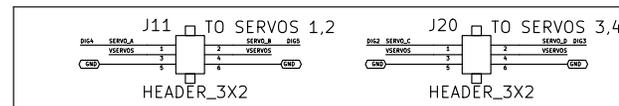
DIGITAL INPUT BUTTONS



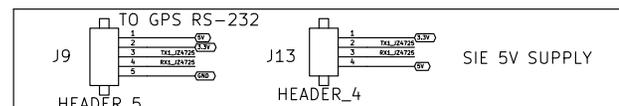
MOTOR OUTPUTS



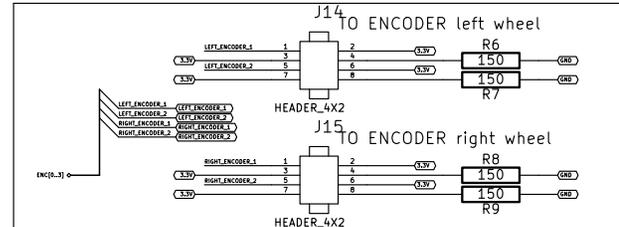
SUPPLY



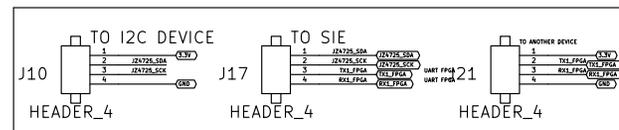
SERVOS



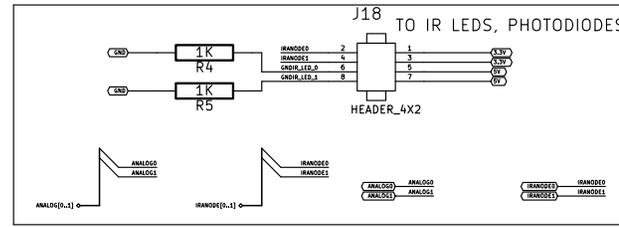
UART (GPS/ultrasonic) SUPPLY TO SIE (5V)



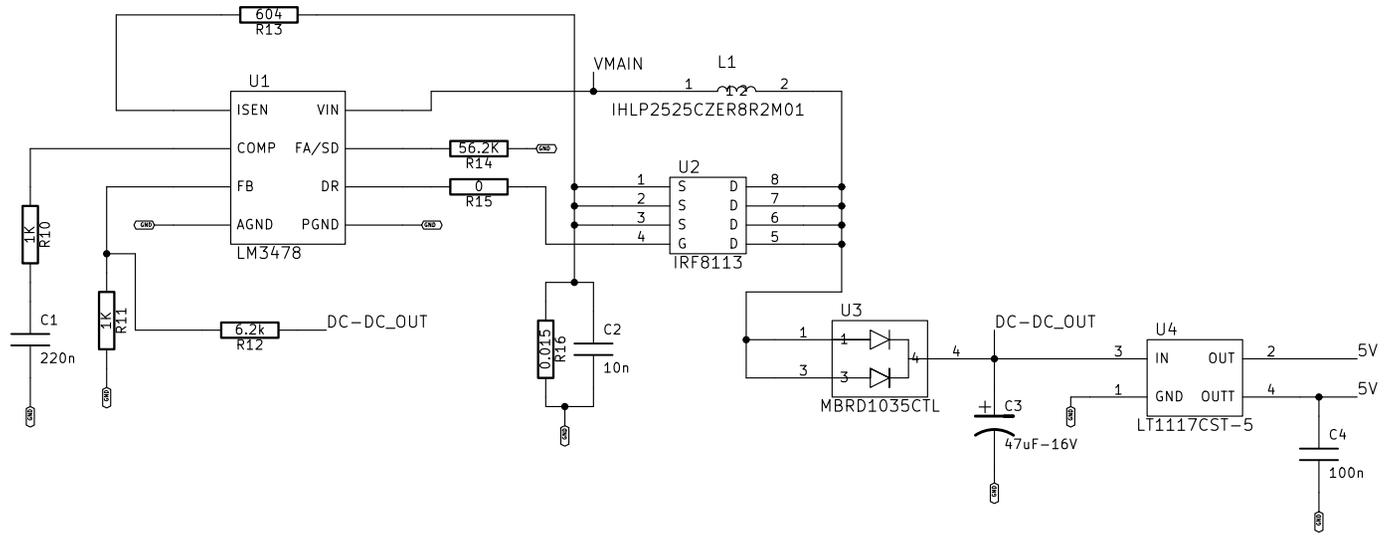
ENCODERS



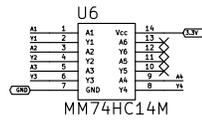
I2C_J24725



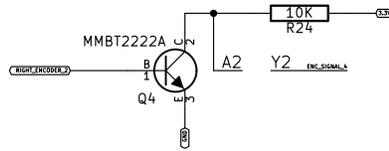
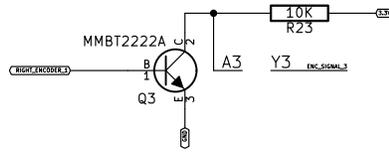
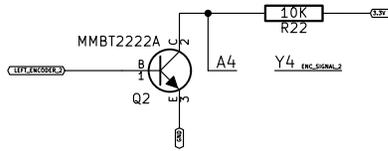
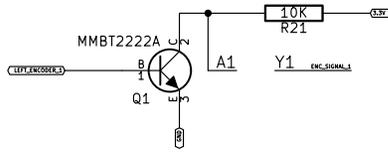
IR ANALOG



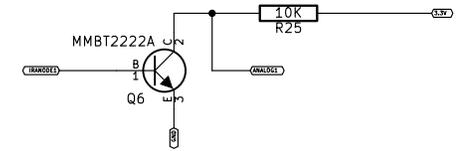
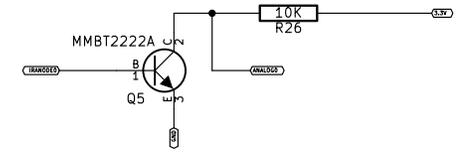
VMAIN \diamond VMAIN
 5V \diamond 5V
 GND \diamond GND



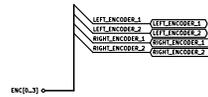
ENCODER SENSORS (CNY70)



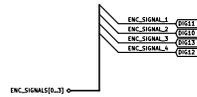
INFRARED SENSORS (PHOTODIODES)



FROM ENCODER'S SENSOR



TO SIE DIGITAL INPUTS



TO SIE ANALOG INPUTS



FROM IR PHOTODIODES

