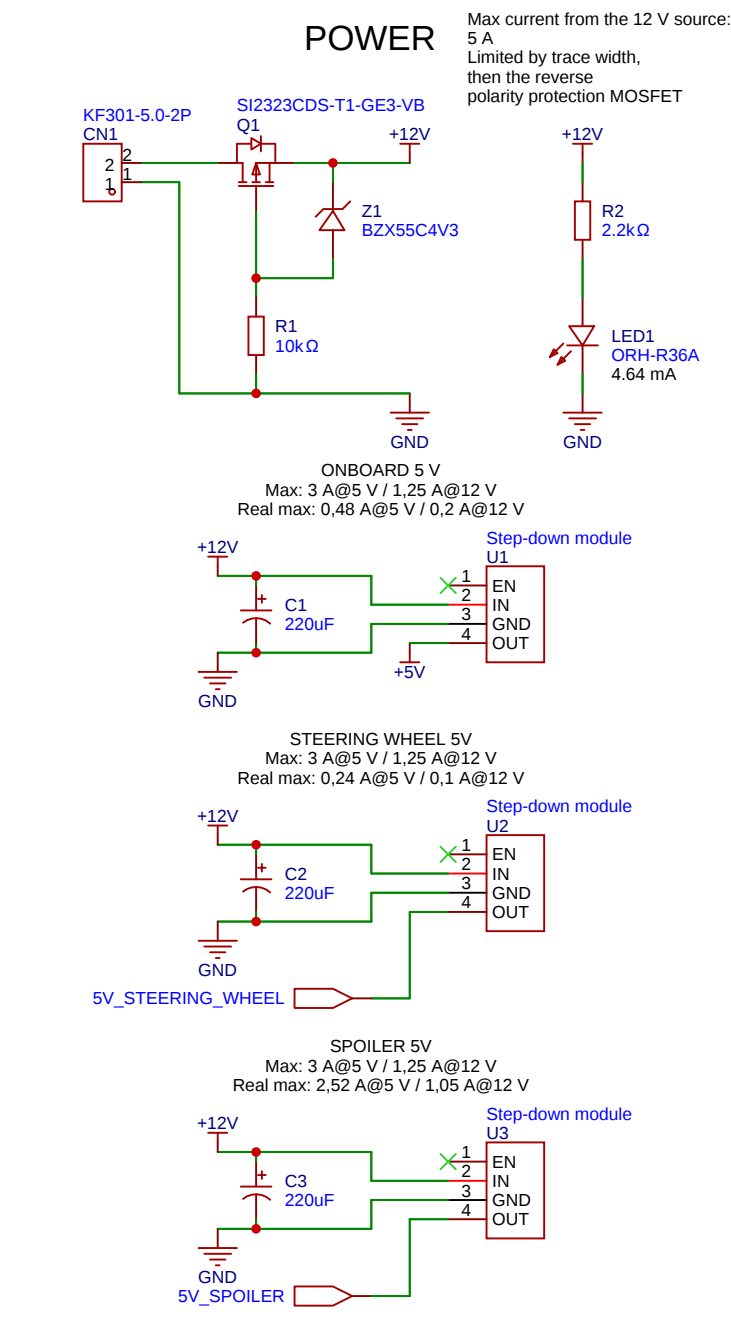
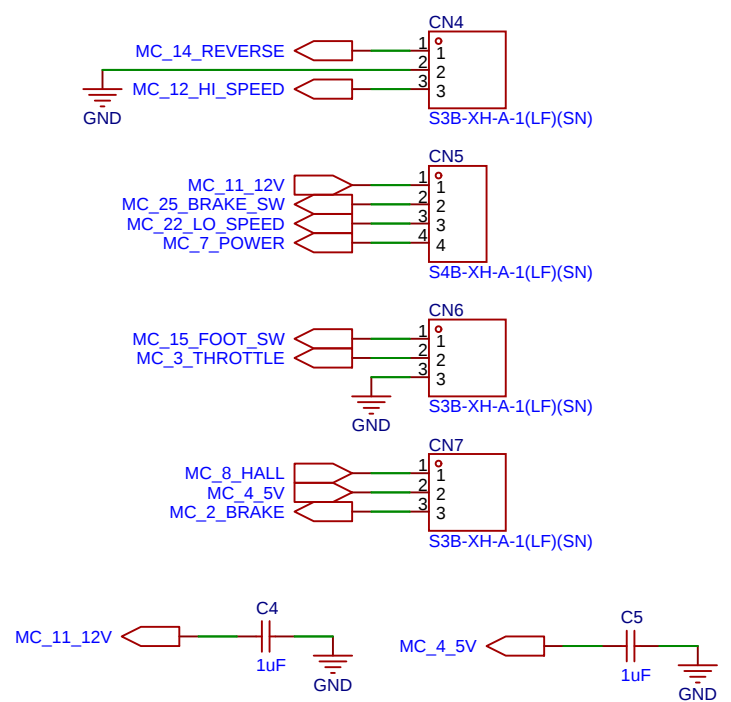
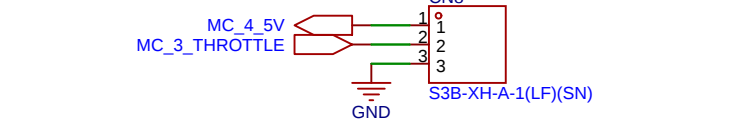




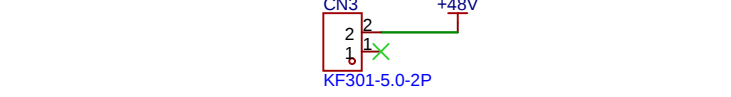
MOTOR CONTROLLER (MC) CONNECTION



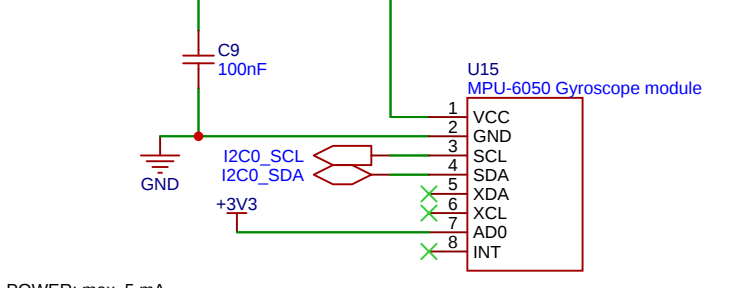
PEDAL CONNECTOR



48V CONNECTOR



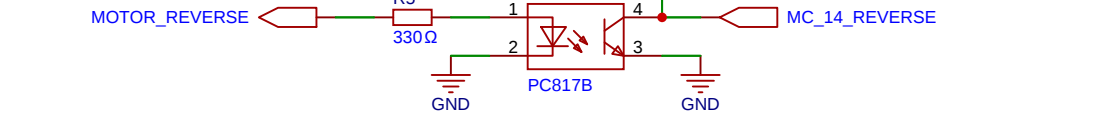
GYRO MODULE MPU-6050



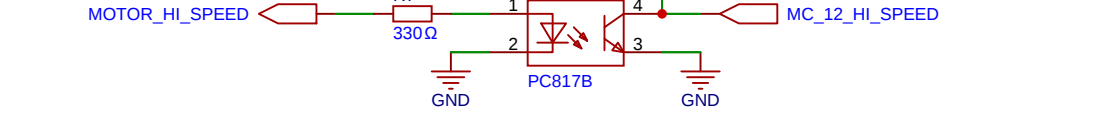
POWER: max. 5 mA

MOTOR CONTROLLER (MC) SIGNALS

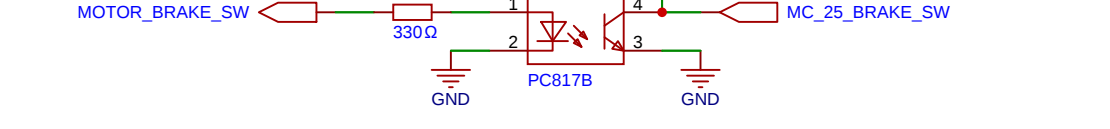
REVERSE



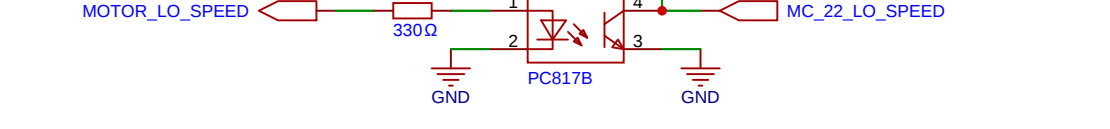
HI-SPEED



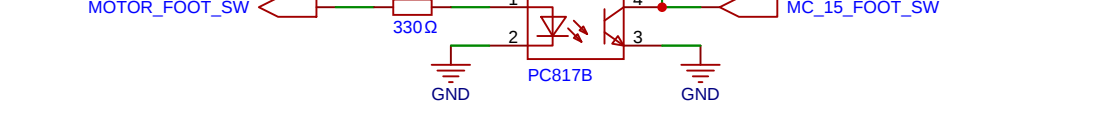
BRAKE SWITCH



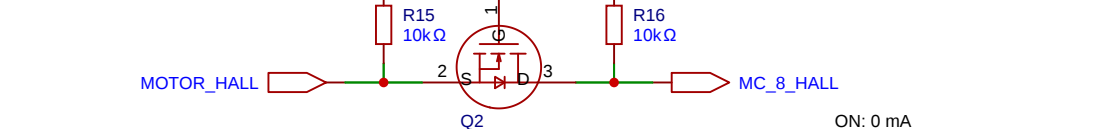
LO-SPEED



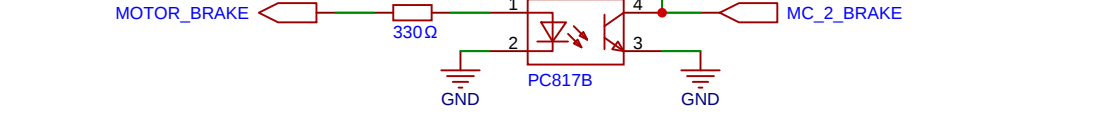
FOOT SWITCH



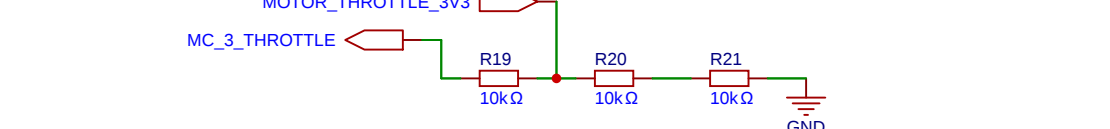
HALL SIGNAL



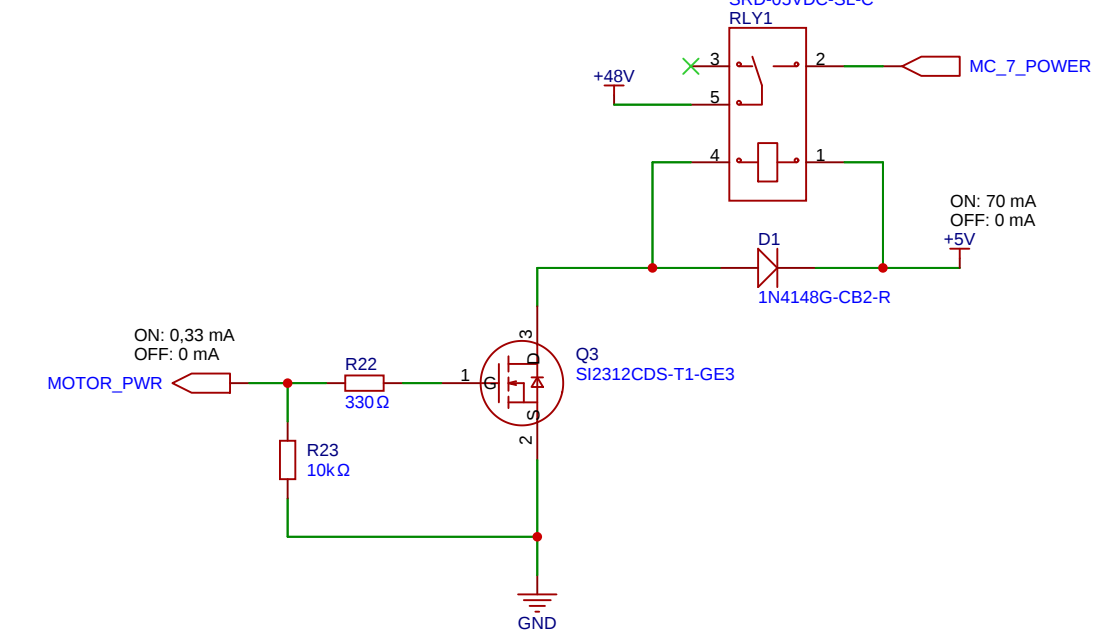
ANALOG BRAKE



ANALOG FOOT PEDAL



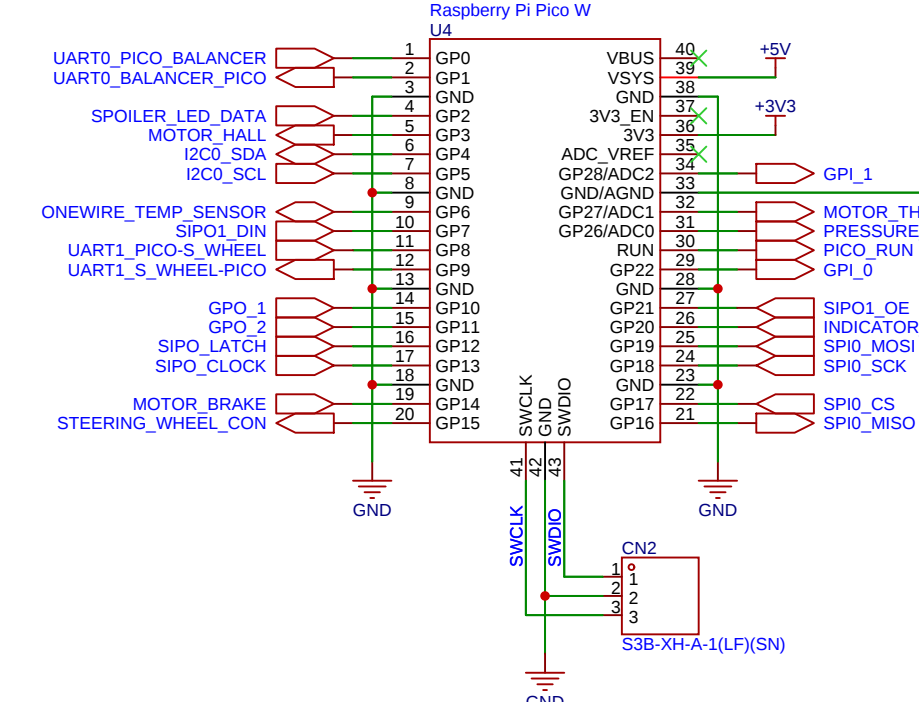
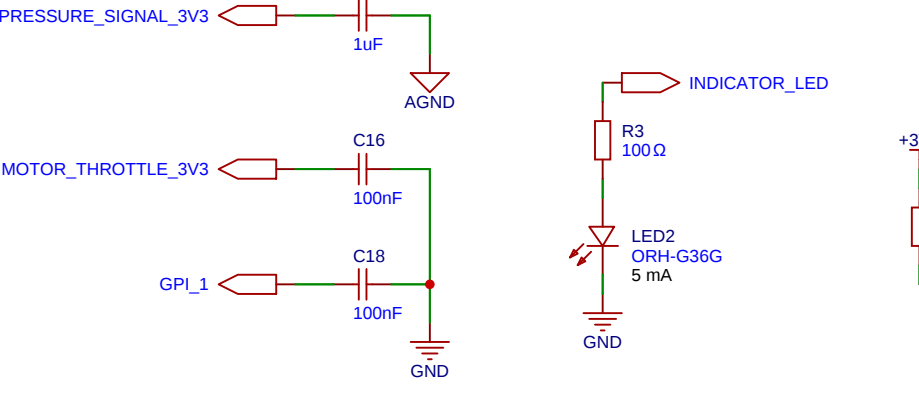
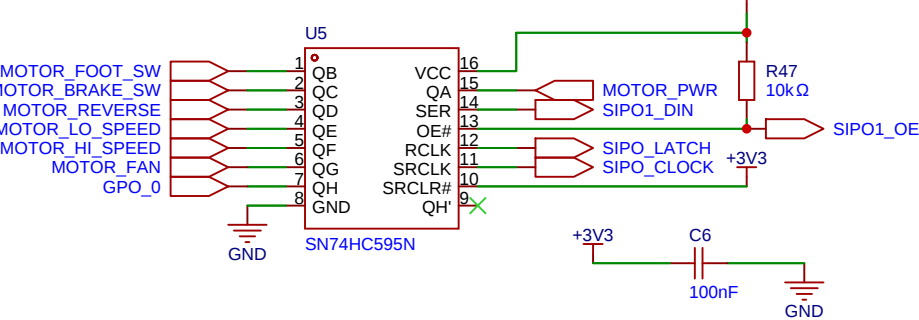
MOTOR PWR SIGNAL



Outer copper weight: 1 oz/ft2

POWER:
12V rail: 1204.64 mA + 5V rails @ 12 V
5V steering wheel rail: 240 mA @ 5 V
5V spoiler rail: 2520 mA @ 5 V
5V rail: 483 mA + 3V3 rail @ 5 V
3V3 rail: 72.46 mA @ 3.3 V
Total 12 V peak power draw: 2575.82 mA @ 12 V

MC SIGNAL SHIFT REGISTER



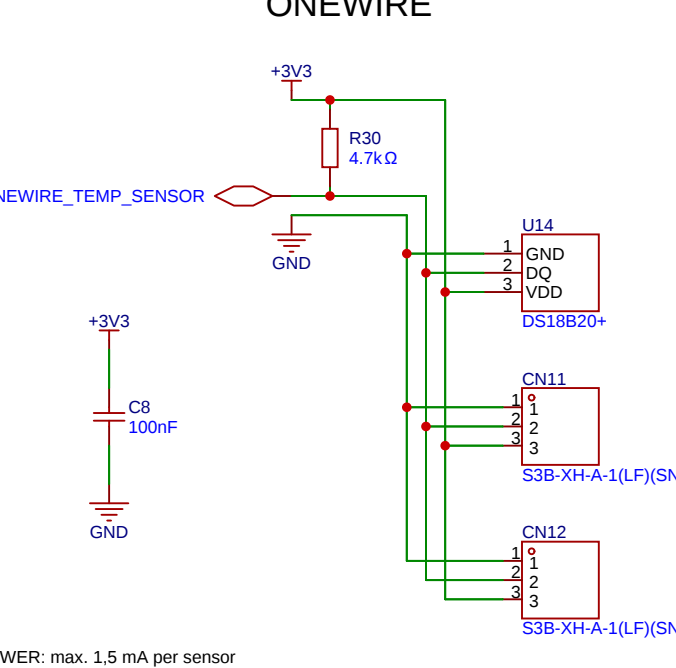
TEMPERATURE SENSORS ONEWIRE



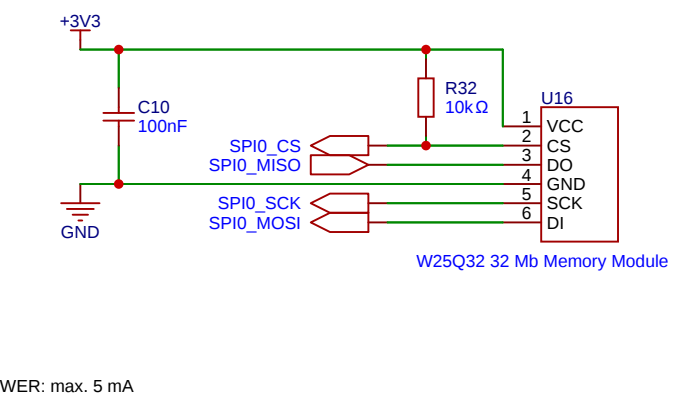
FLASH MEMORY SPI0



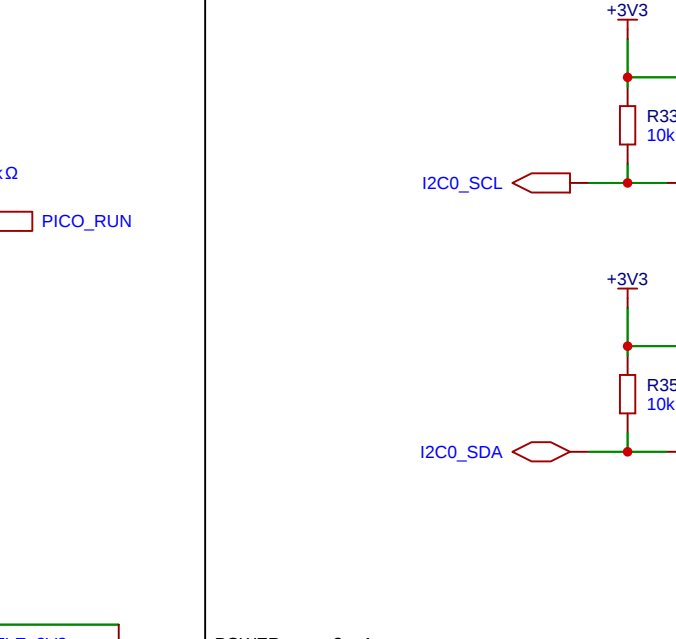
TEMPERATURE SENSORS ONEWIRE



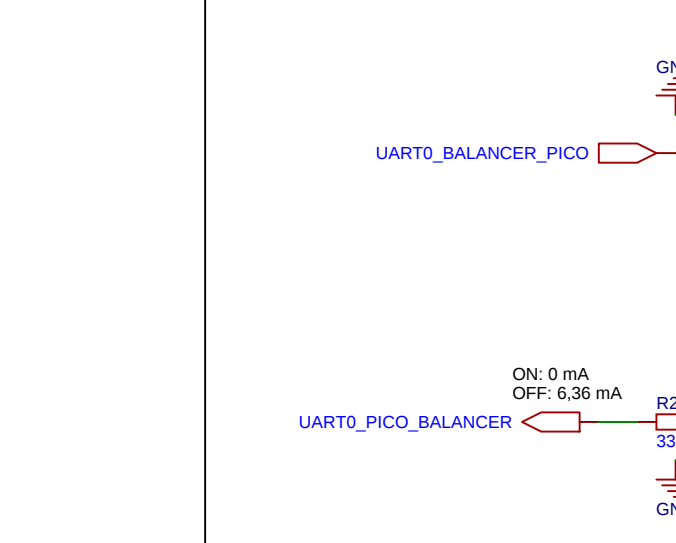
FLASH MEMORY SPI0



RTC MODULE



BALANCER UART1



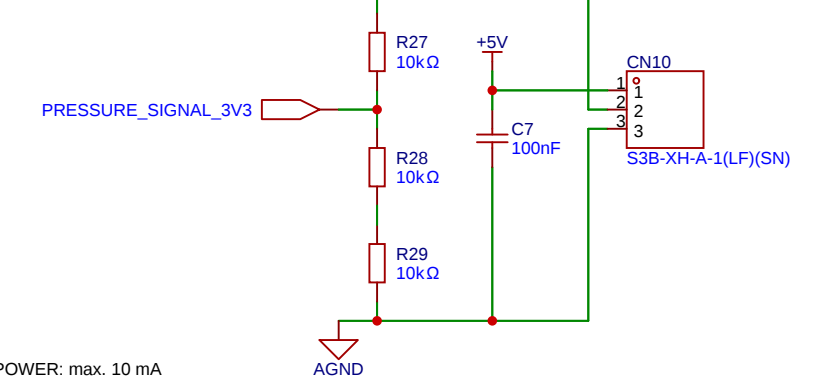
STEERING WHEEL POWER+DATA UART0



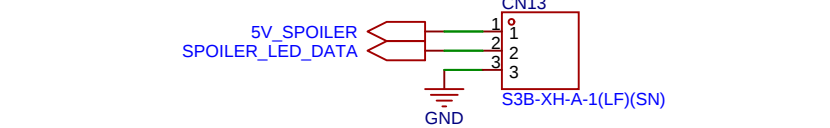
SPOILER LED - WS2812B



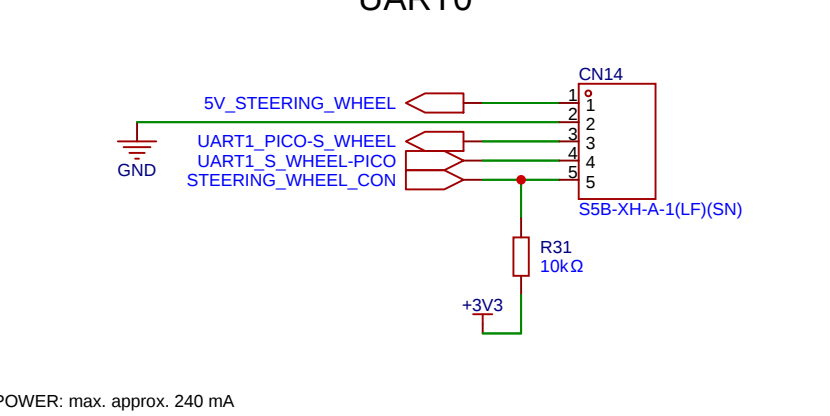
BRAKE PRESSURE SENSOR



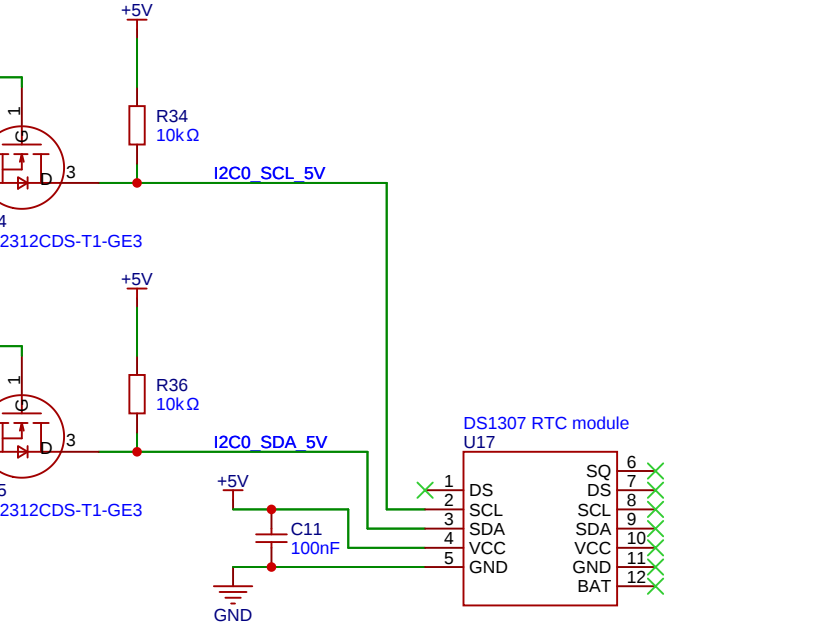
SPOILER LED - WS2812B



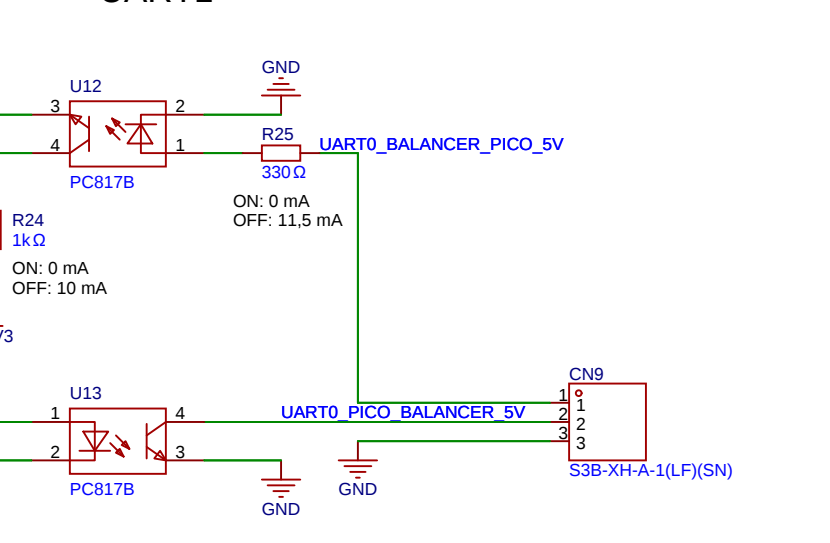
STEERING WHEEL POWER+DATA UART0



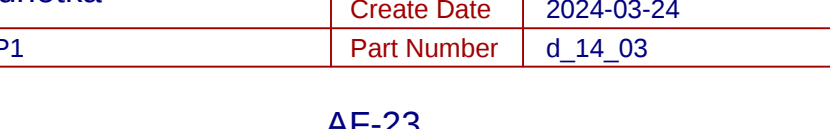
RTC MODULE



BALANCER UART1



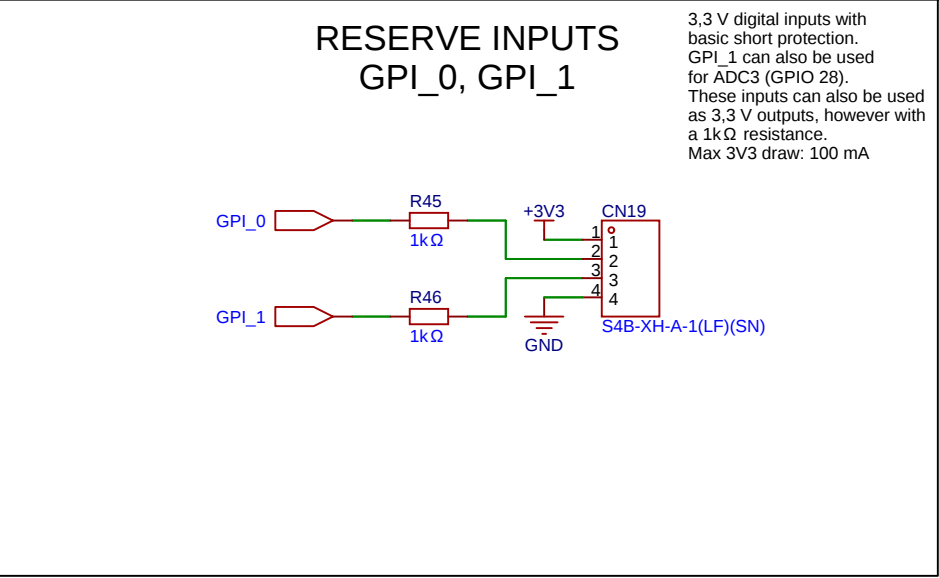
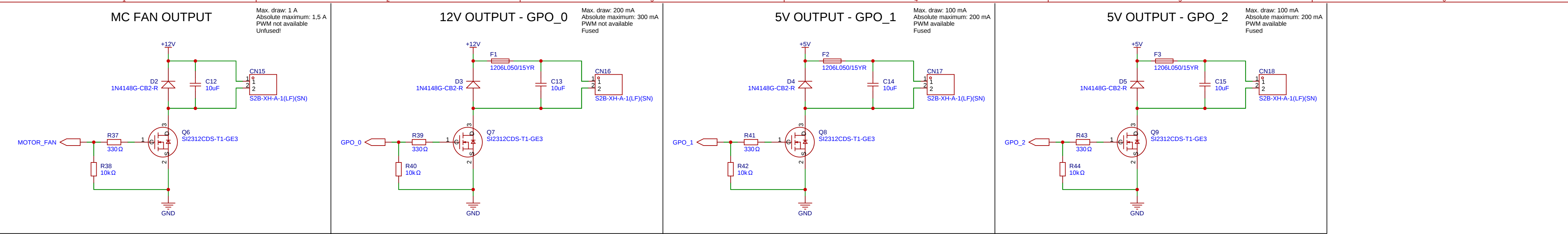
GYRO MODULE MPU-6050



POWER



Schematic	Ídicí jednotka			Update Date	2025-03-08		
				Create Date	2024-03-24		
Page	P1			Part Number	d_14_03		
Drawn	Patrik voma	AF-23					
Reviewed							
		VER	SIZE	PAGE	1	OF	2
		v1.1	A2	SP ár nad Sázavou			



Schematic	řídící jednotka			Update Date	2025-02-23
				Create Date	2025-01-28
Page	P2			Part Number	
Drawn	Patrik voma	AF-23			
Reviewed					
		VER	SIZE	PAGE	2 OF 2
		v0.3	A2	SP ár nad Sázavou	