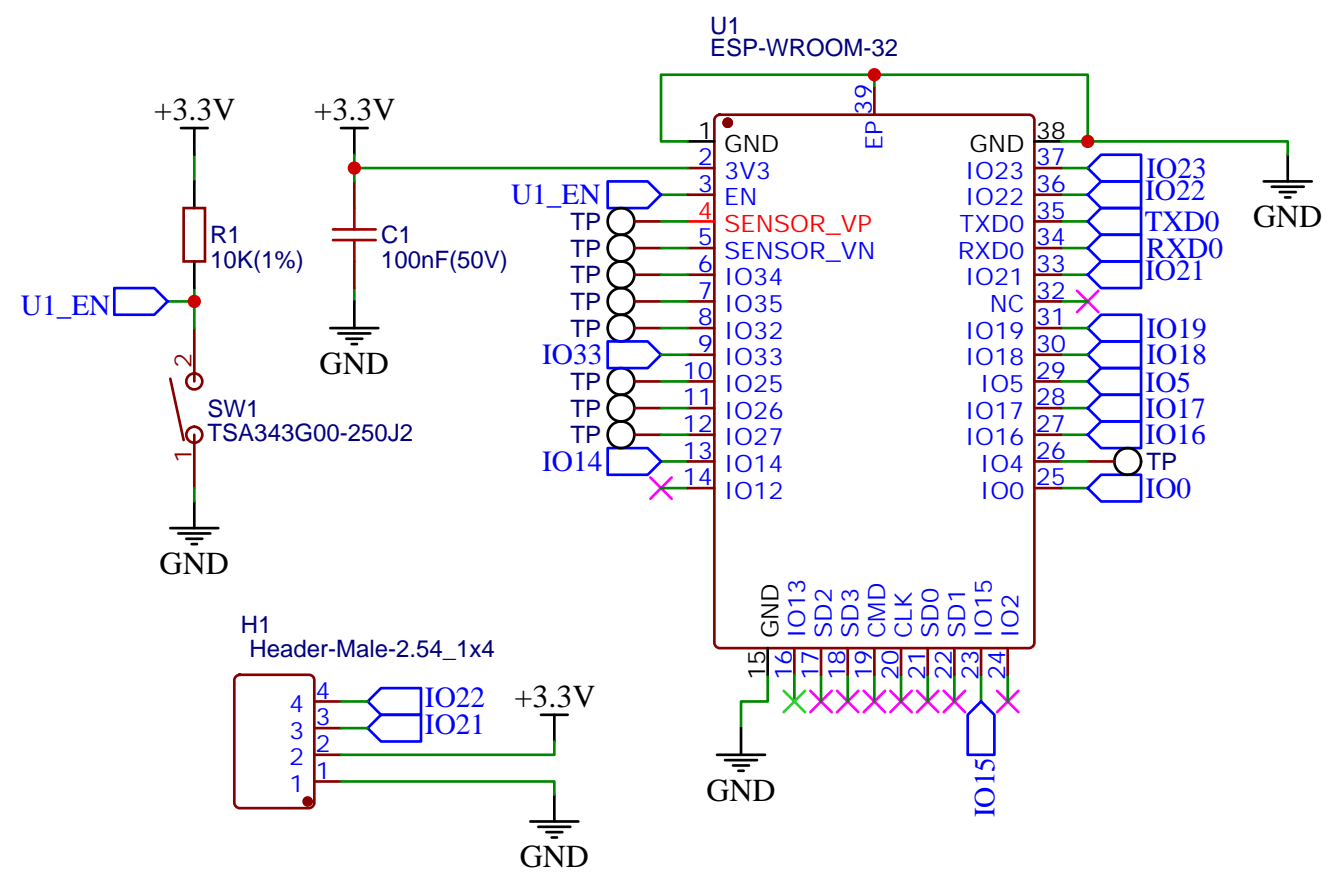
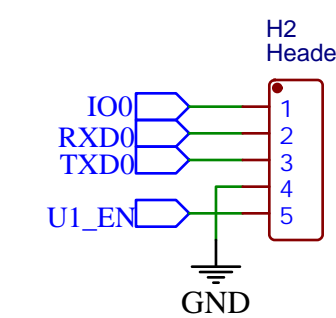


MICROCONTROLLER

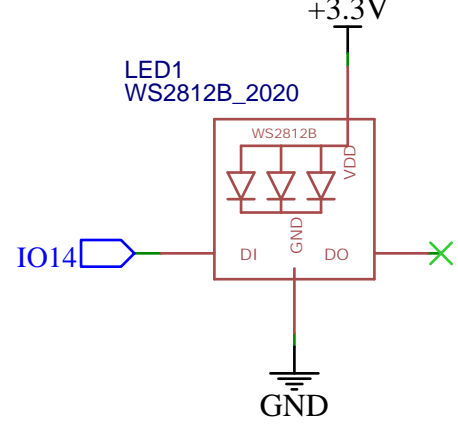


PIN ASSIGNMENT TABLE			
U1_UN	ESP ENABLE/RESET	IO18	SPI SCK
IO33	LDO 5V EN	IO19	SPI MISO
IO14	System LED	IO21	I2C SDA
IO15	SPI CS SD CARD	RXD0	ESP UART RX
IO0	ESP BOOT/PROGRAM	TXD0	ESP UART TX
IO16	Load Mosfets Gate	IO22	I2C SCL
IO17	Charging Mosfets Gate	IO23	SPI MOSI
IO5	SPI CS ADC128S102		

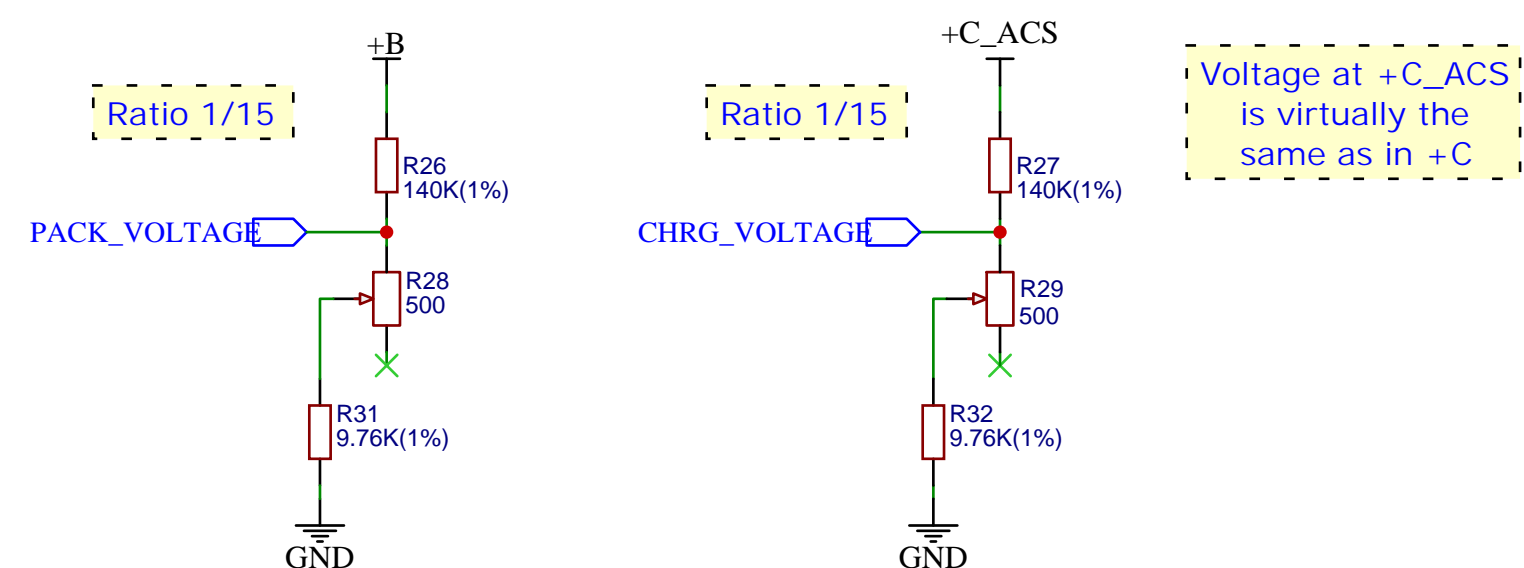
UART



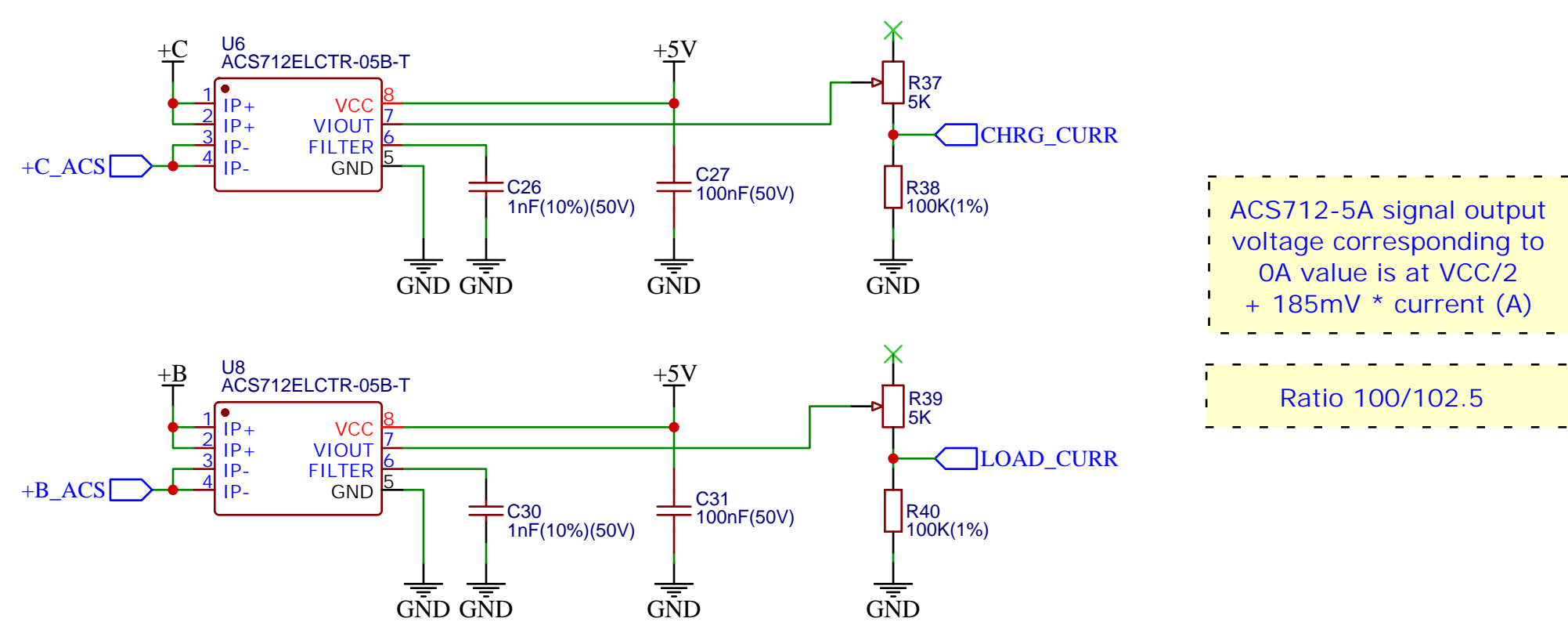
SYSTEM LED



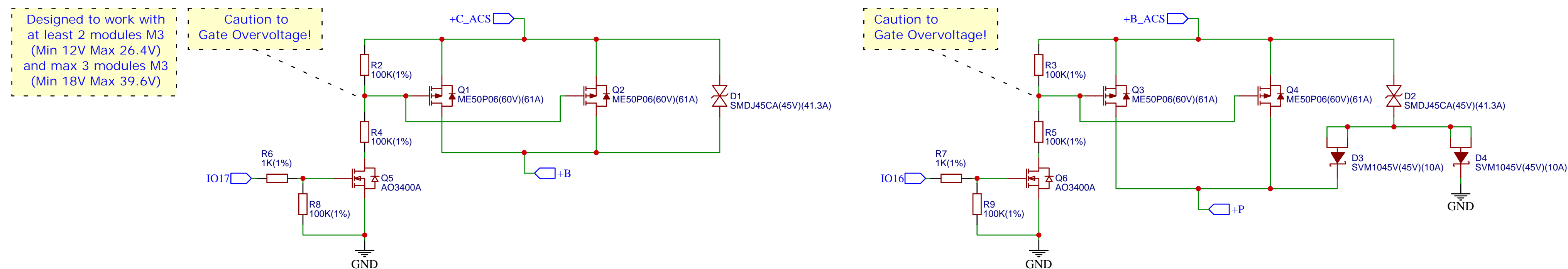
VOLTAGE MEASUREMENT



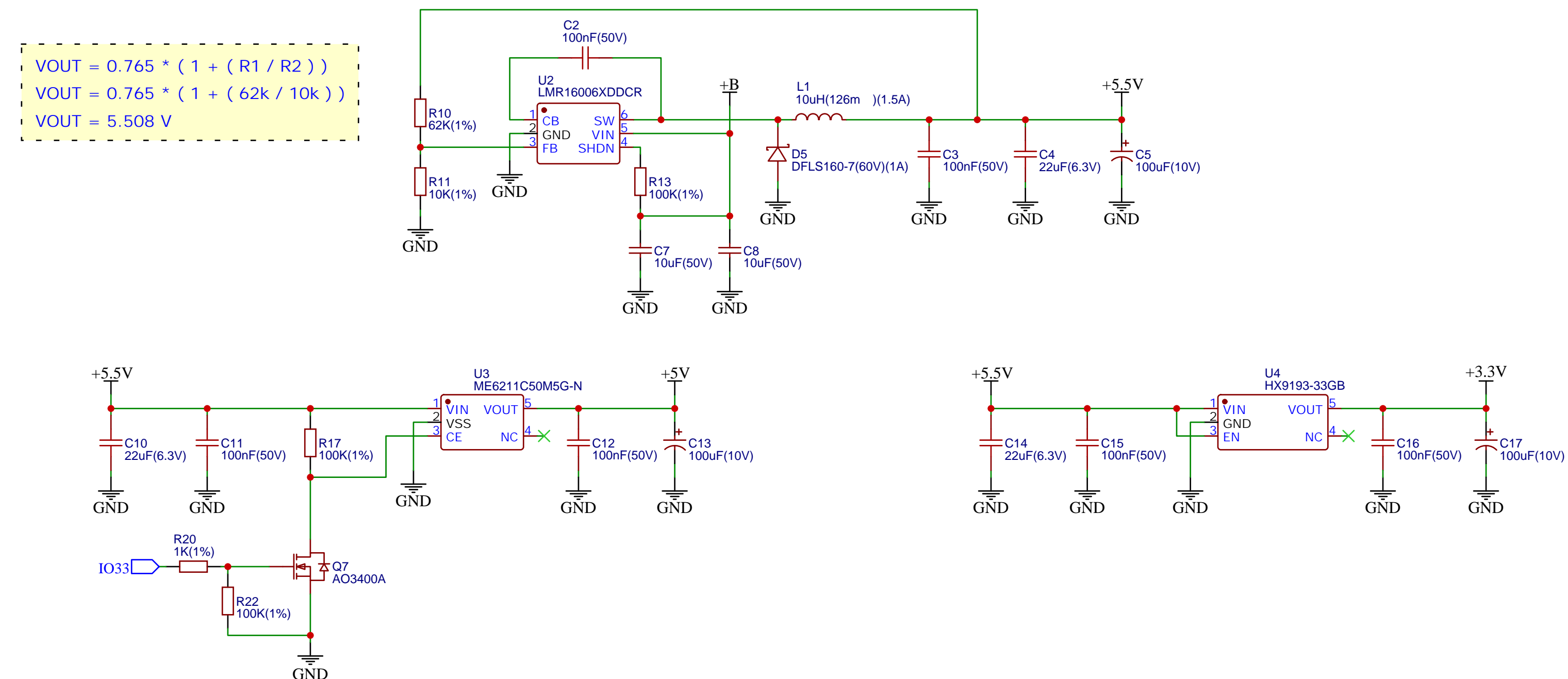
CURRENT MEASUREMENT



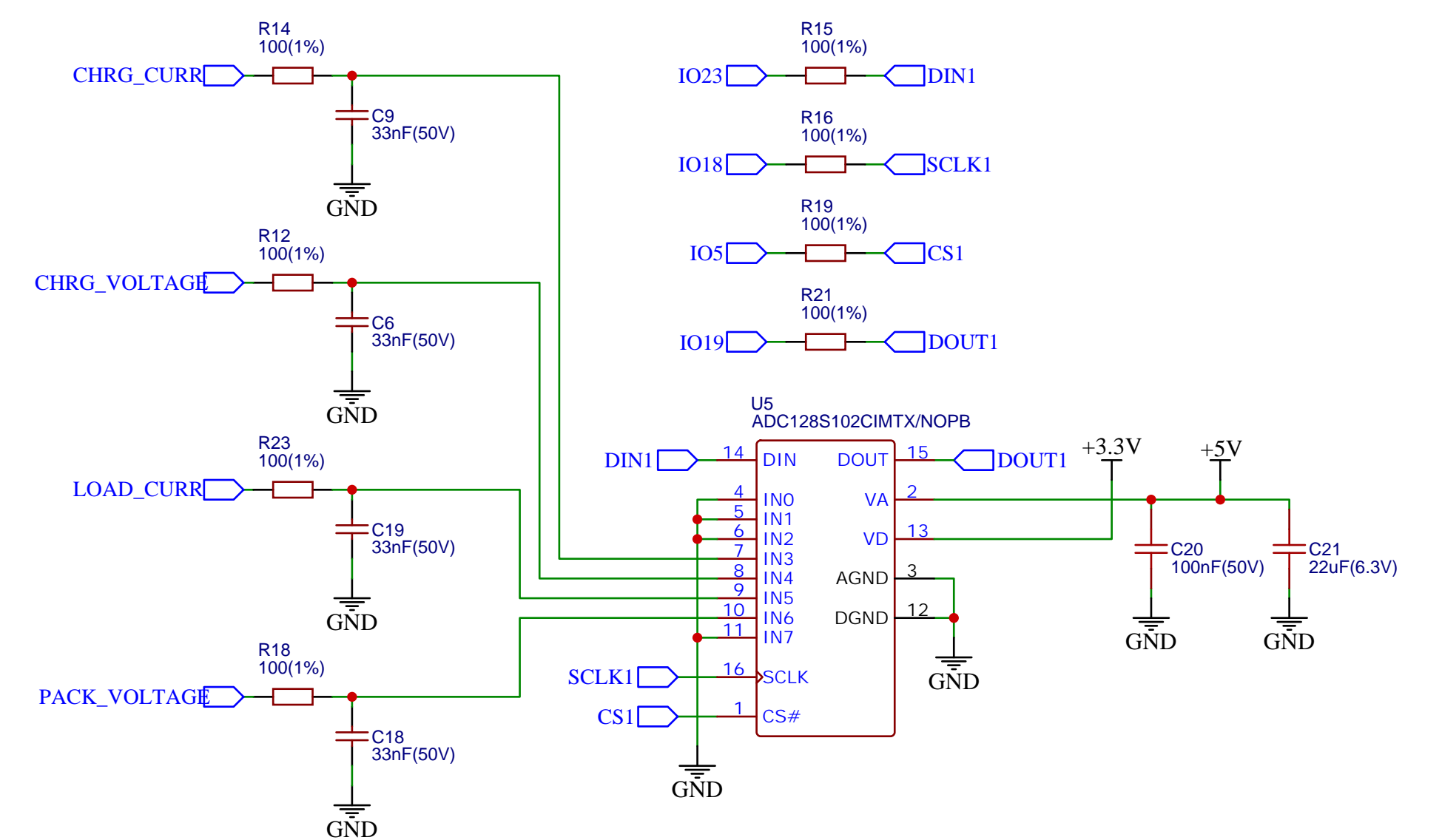
CONTROL MOSFETS



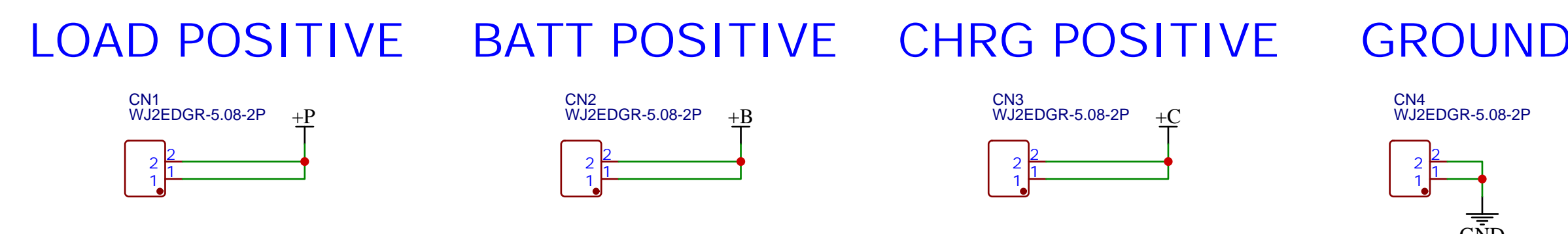
REGULATORS



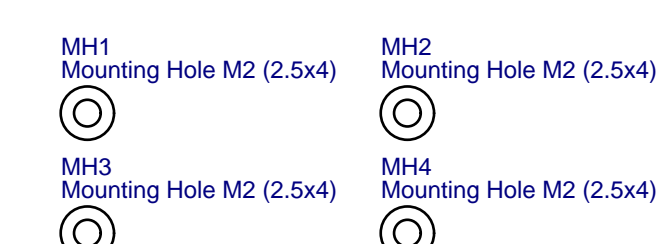
ANALOG TO DIGITAL CONVERTER



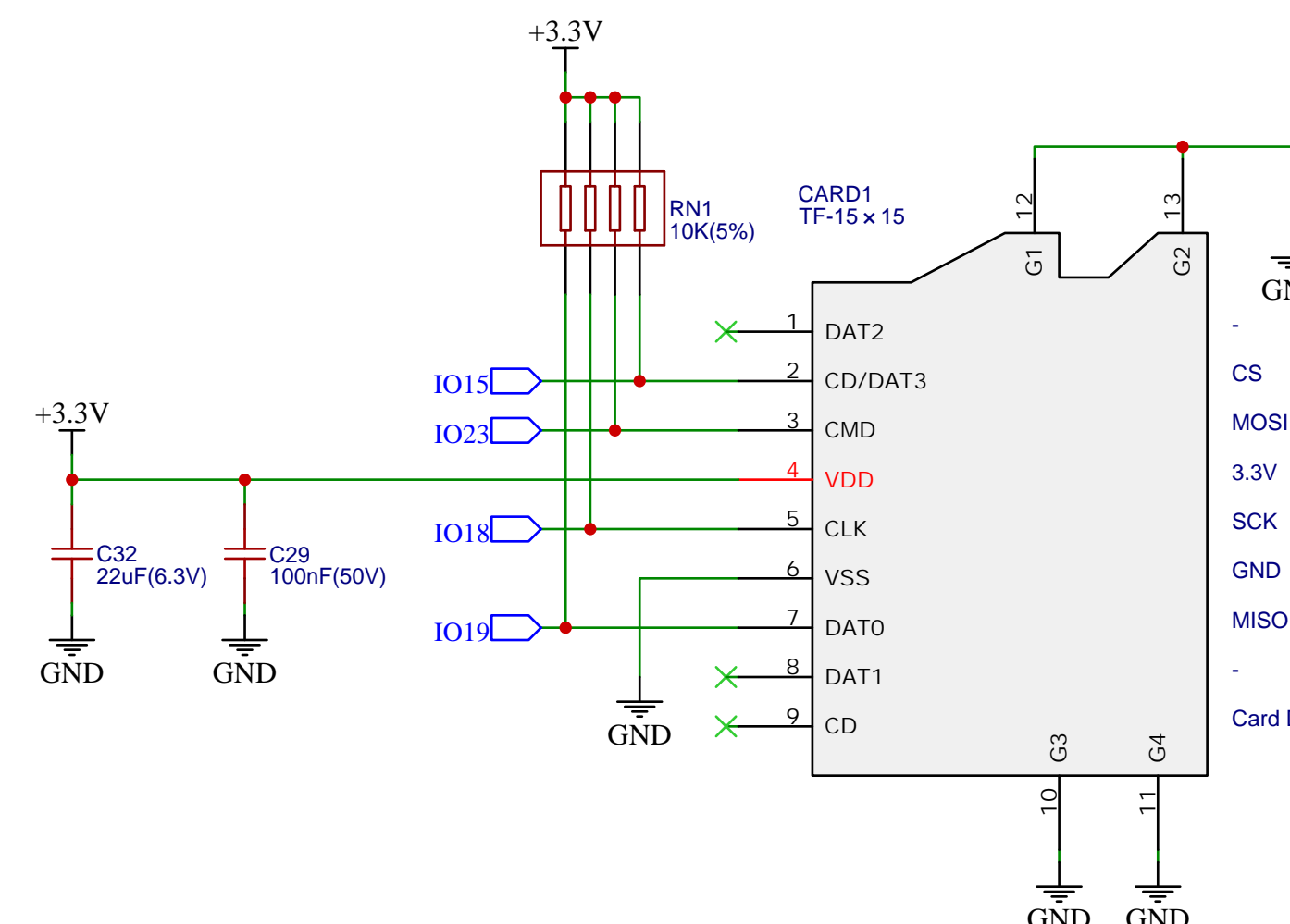
CONNECTORS



MOUNTING HOLES



μ SD CARD



RTC

