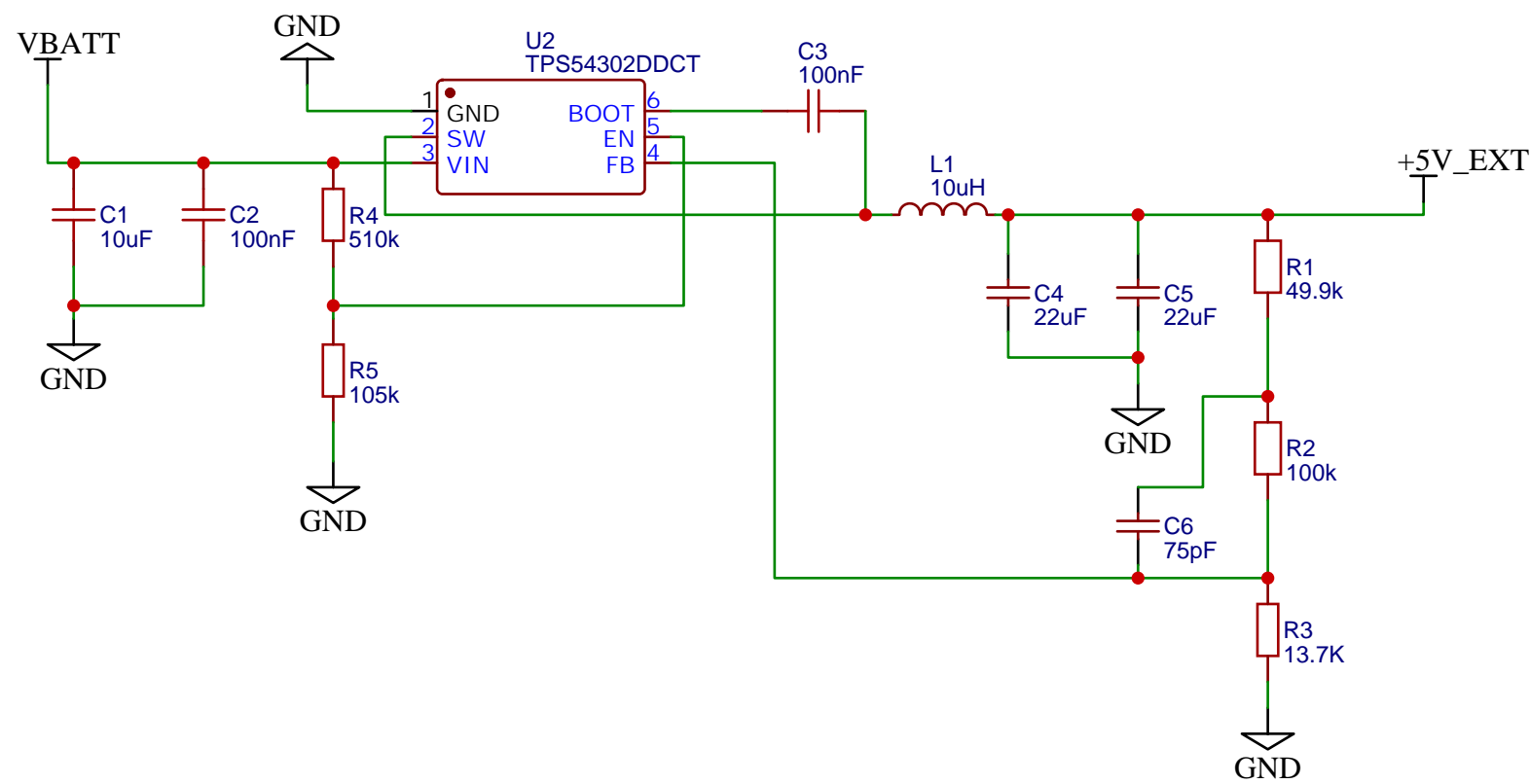
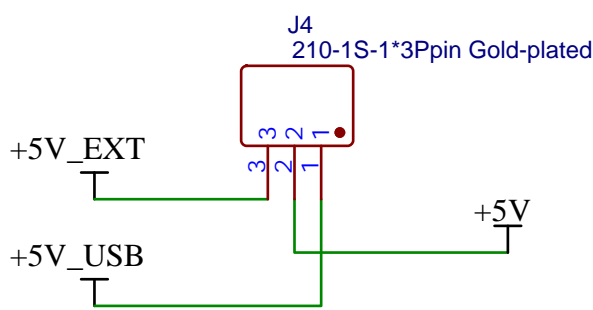


# Port and Power

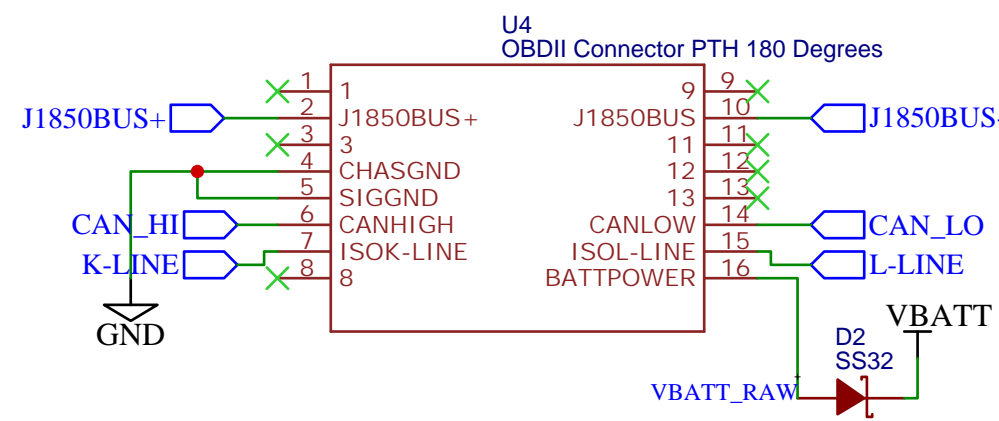
## 5V Power Regulator



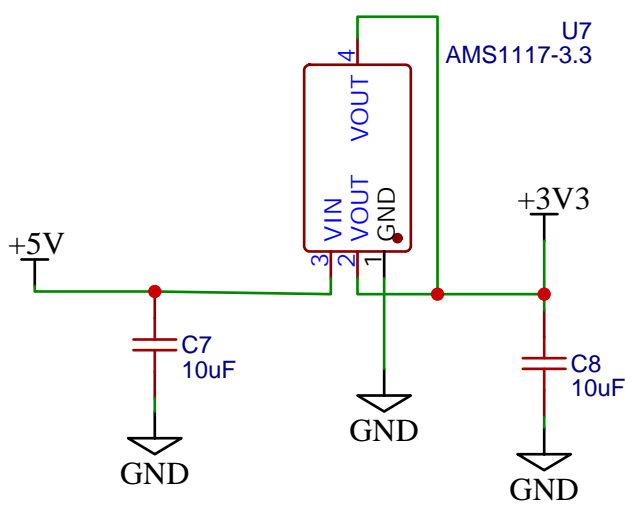
## Power Input Selection



## OBD-II Port



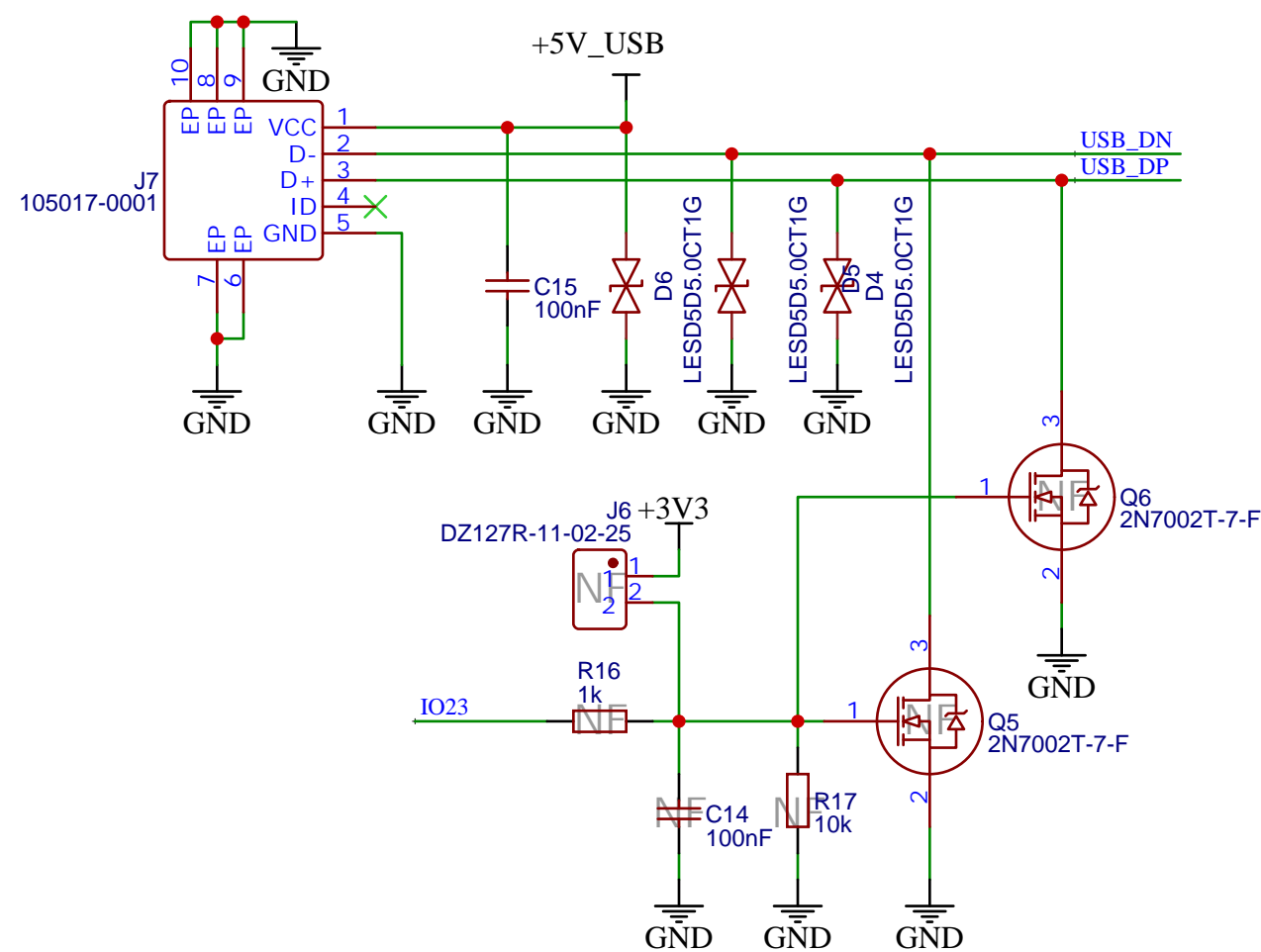
## 3.3V Power Regulator



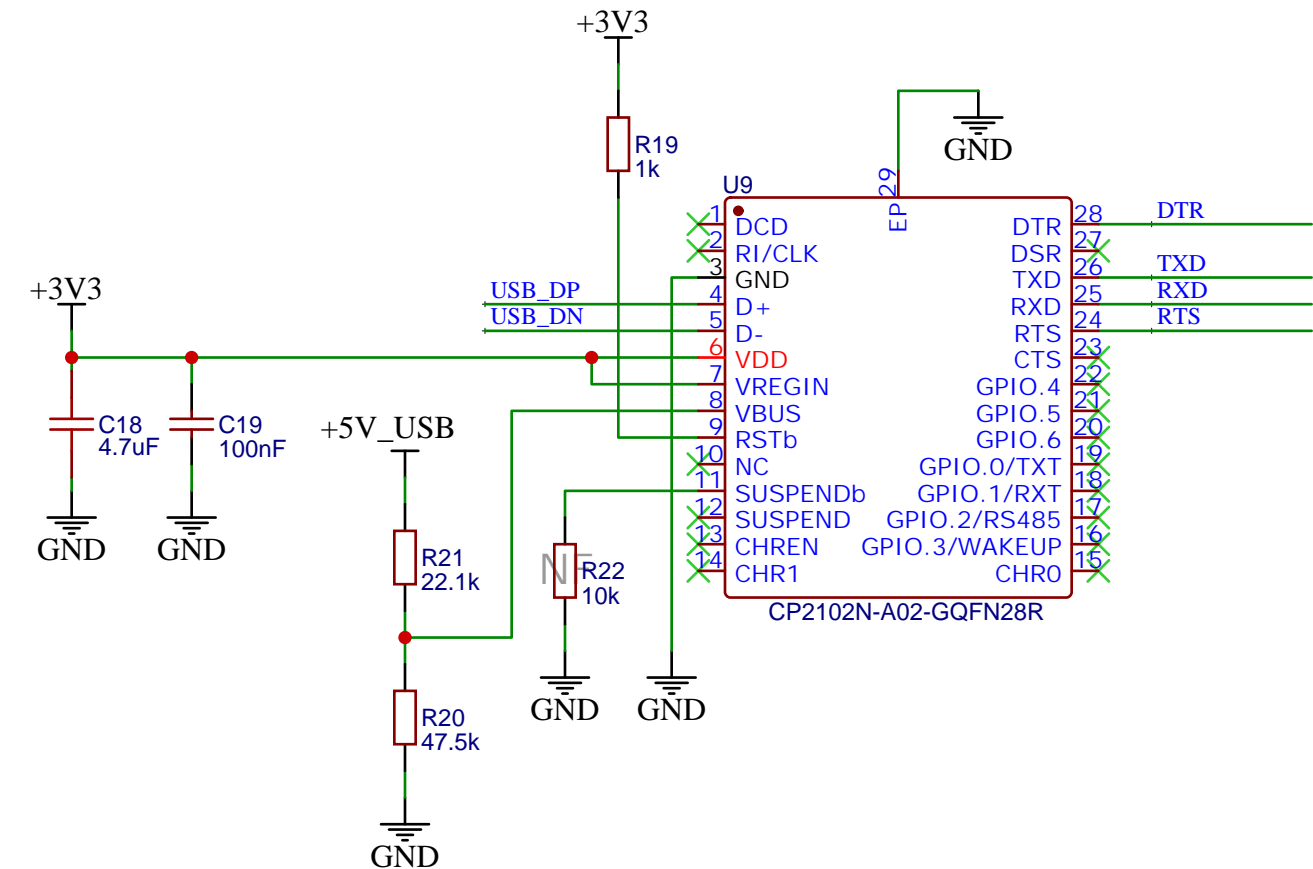
TITLE: Port and Power		REV: 1.0
	Company: UCSD ECE Department	Sheet: 1/4
	Date: 2023-04-22	Drawn By: Abhijit Vadrevu

# Micro Controller

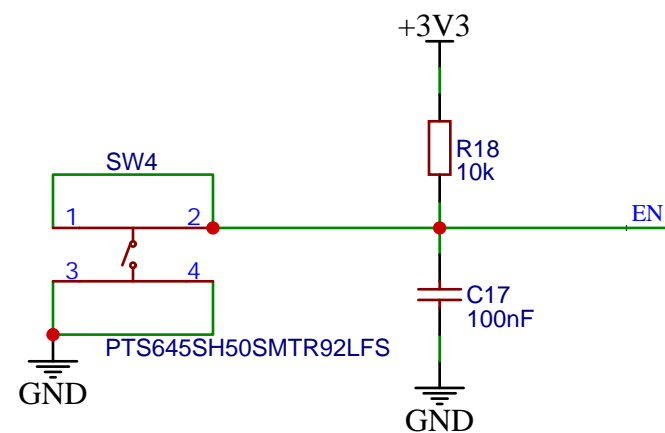
## USB CONNECTOR



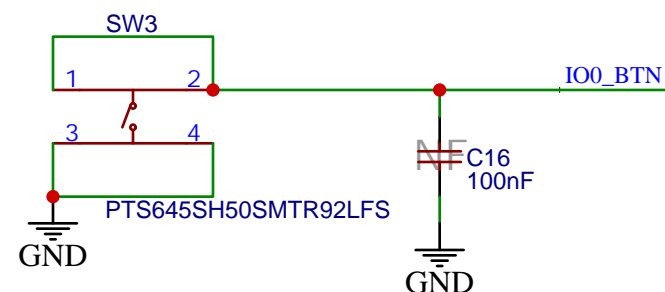
## USB TO SERIAL



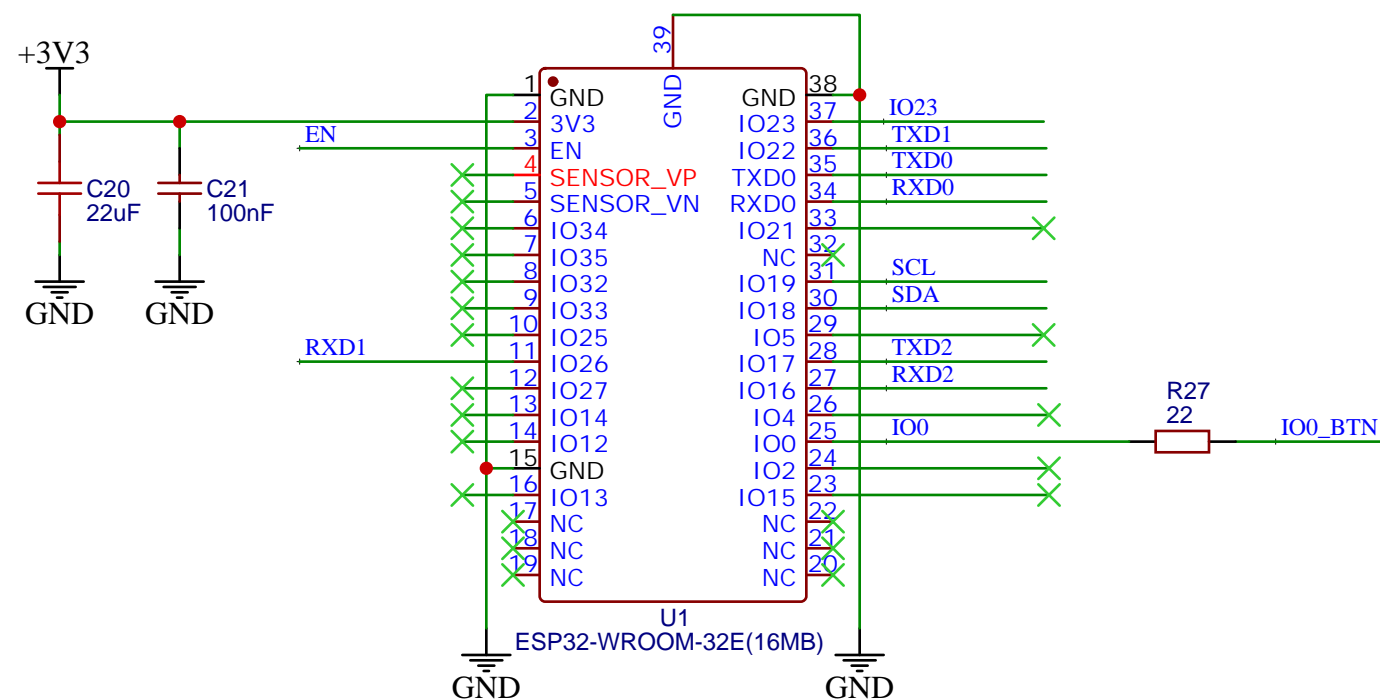
## RESET BUTTON



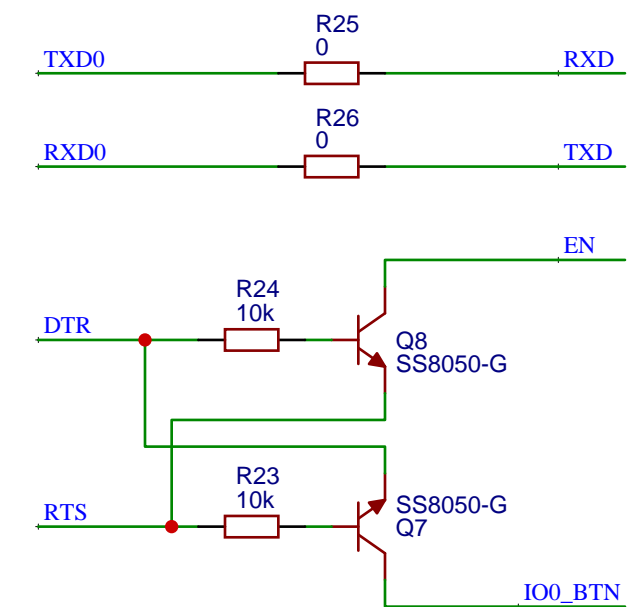
BOOT / USER BUTTON



## ESP32 Module



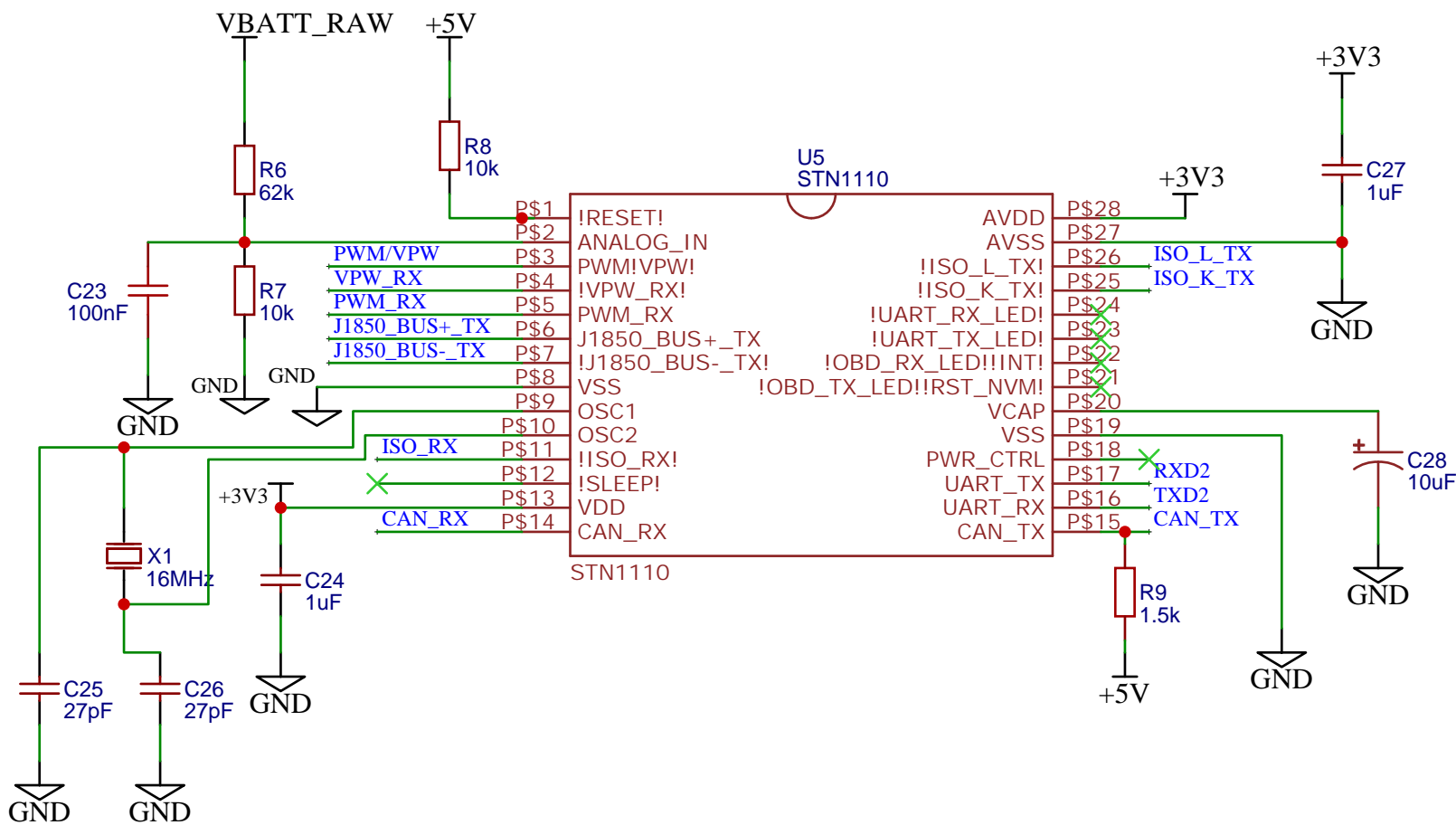
## SERIAL SIGNALS HANDLING



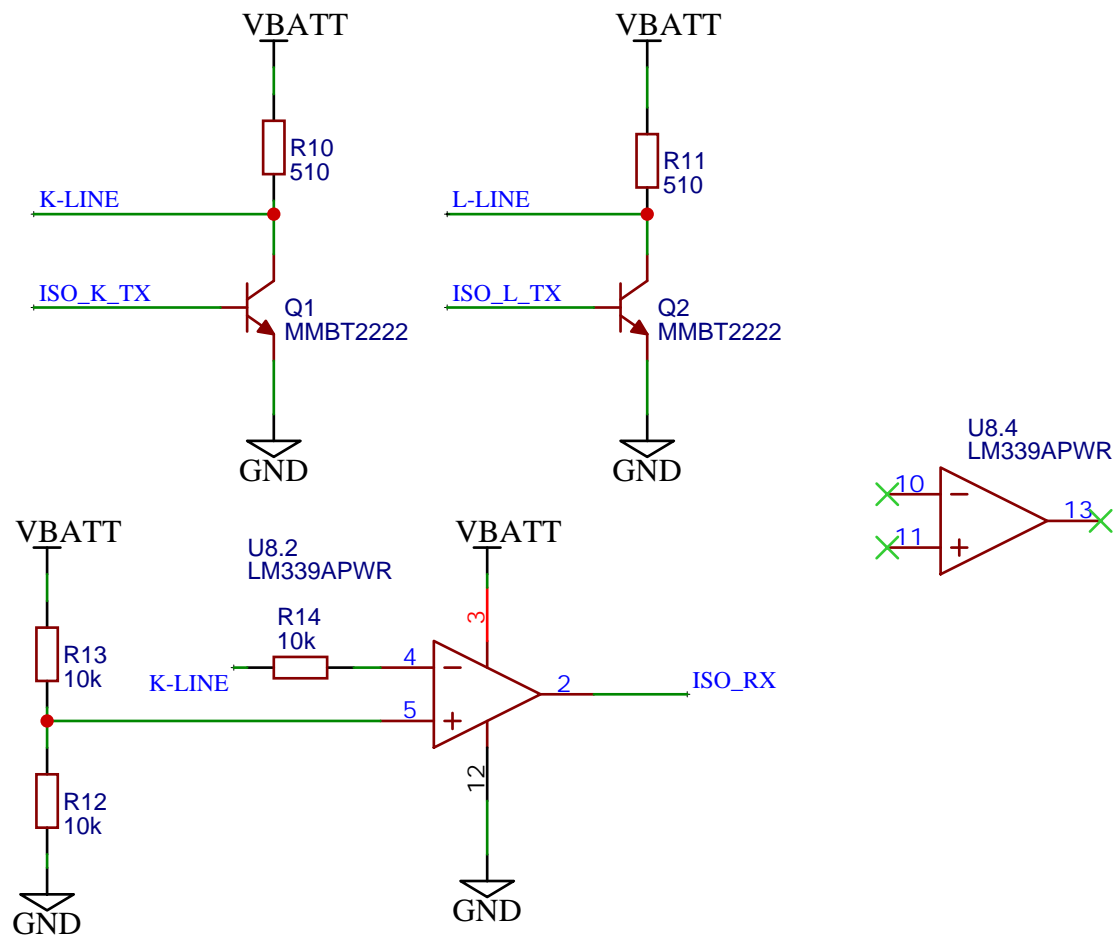
TITLE: Micro Controller		REV: 1.0
嘉立创EDA	Company: UCSD ECE Department	Sheet: 2/4
	Date: 2023-04-23	Drawn By: Abhijit Vadrevu

# OBD-II Interpreter

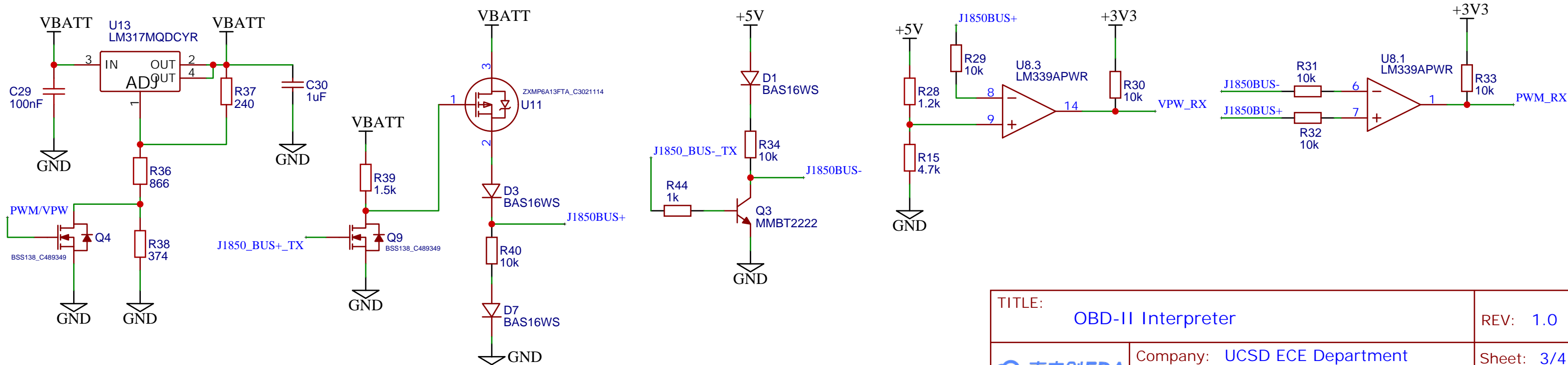
## Main Controller



## ISO Transceiver



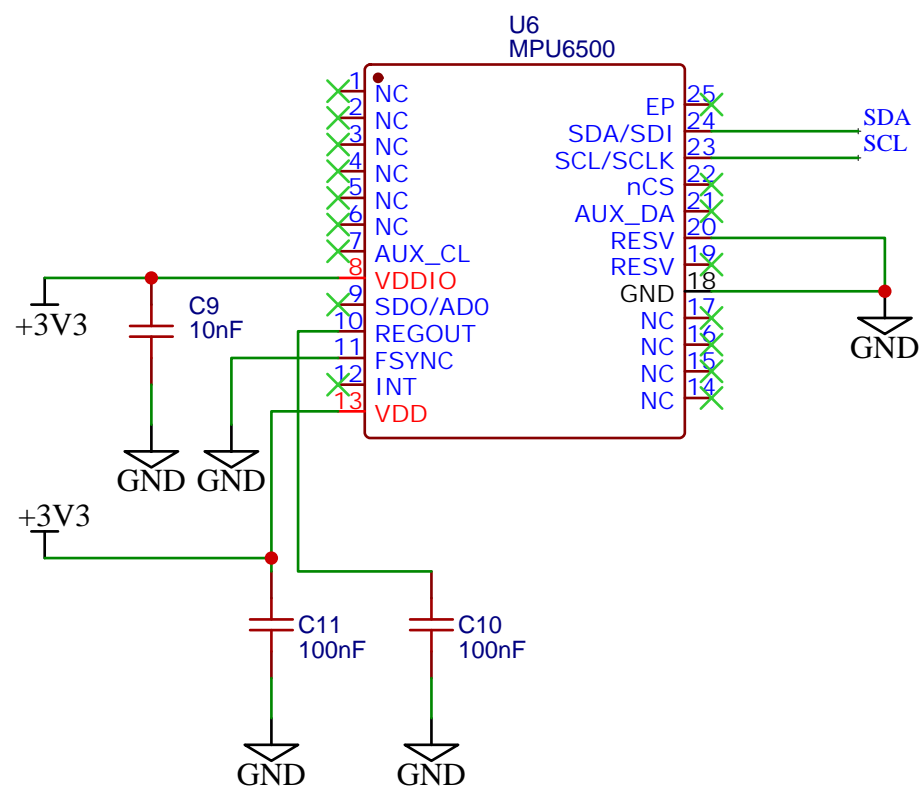
## J1850 Transceiver



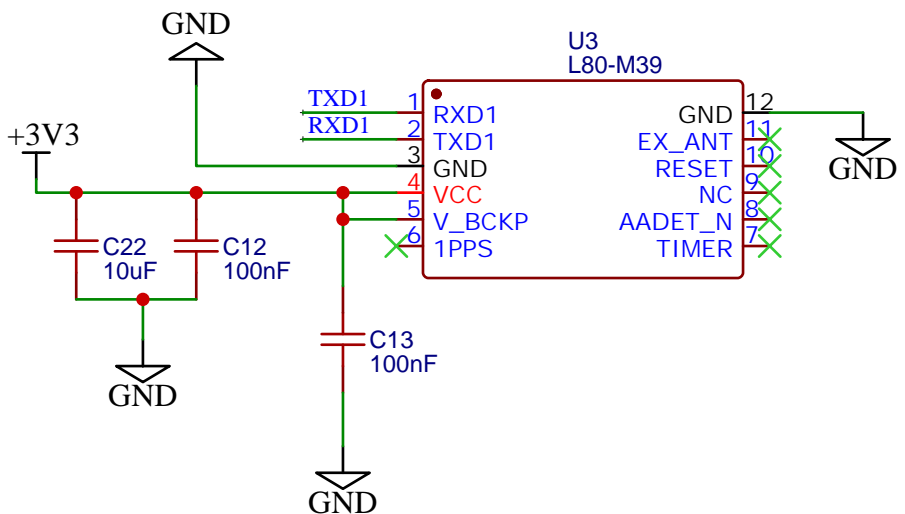
TITLE: OBD-II Interpreter		REV: 1.0
嘉立创EDA	Company: UCSD ECE Department	Sheet: 3/4
	Date: 2023-04-23	Drawn By: Abhijit Vadrevu

# IMU, GPS, CAN

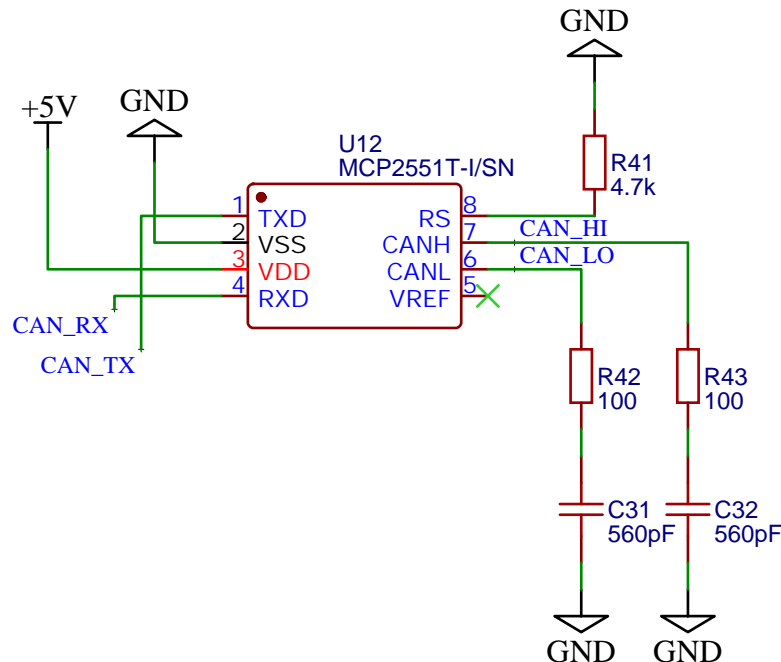
## IMU



## GNSS Receiver (GPS)



## CAN Transceiver



TITLE: IMU, GPS, CAN		REV: 1.0
嘉立创EDA	Company: UCSD ECE Department	Sheet: 4/4
	Date: 2023-04-23	Drawn By: Abhijit Vadrevu