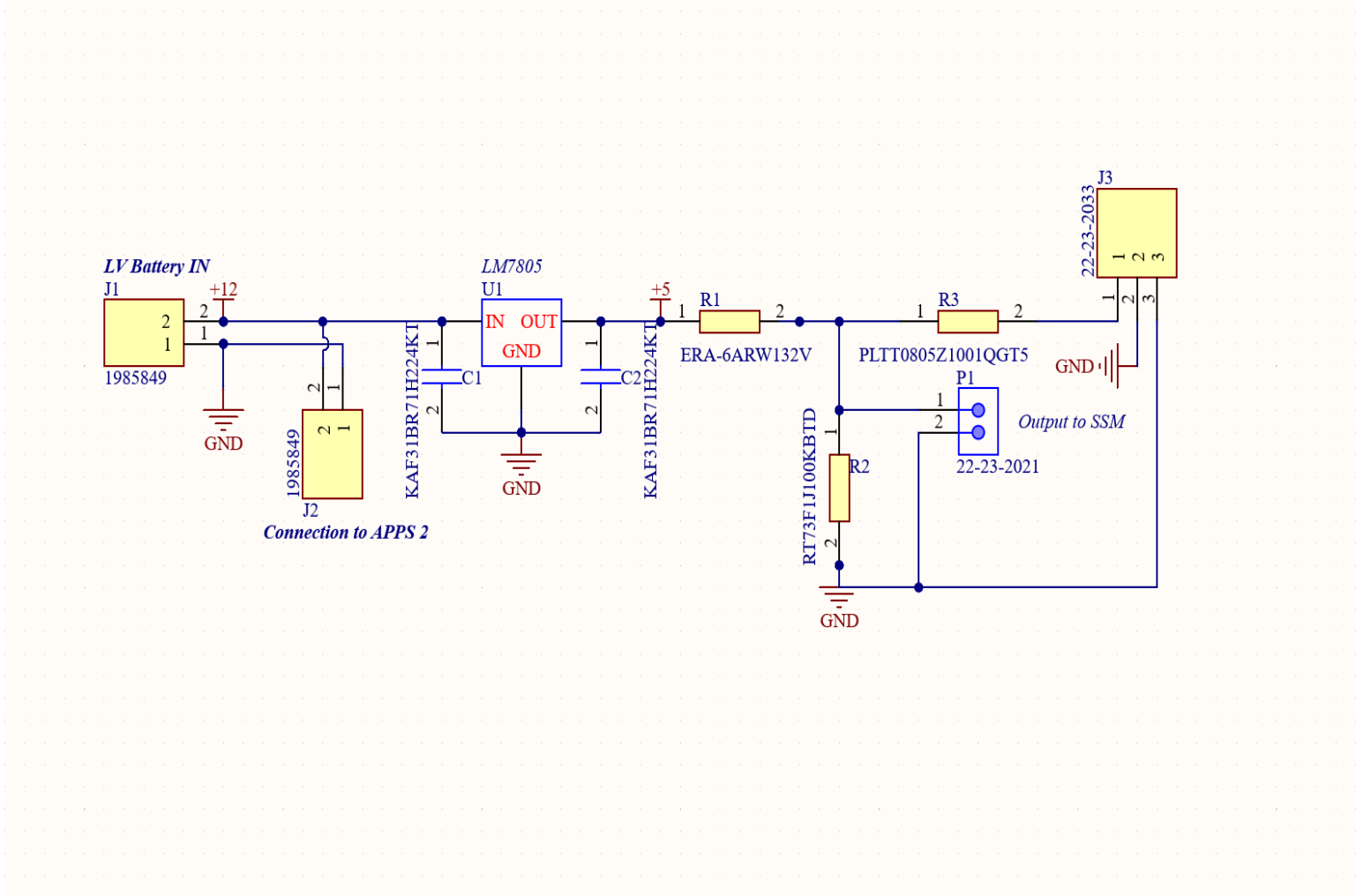
Accelerator Pedal Position

Ongoing Project conducted by Cleveland State SAE Formula Team

- With the help of other teammates, as part of the Cleveland State SAE Formula Team we have designed an APP Sensor Interface designed to bridge the mechanical pedal assembly with the electronic control unit. This circuit schematic features a step down from a 12V LV battery to a clean 5V power supply with an integrated voltage divider and protection circuit that ensures the signal would be sent to the vehicle's motor controller remaining within safe operating parameters.