

Motor Control Progress Report #8

Skittle Sorter Project

Jaidon Lybbert, Motor Control Design Lead, EWU IEEE Student Chapter

Week of 08/23/20

Problem:

- The PCB design for the motor driver circuit was missing current limiting resistors on the I293B outputs
- A team member (Wilson) was interested in the motor control development, but needed assistance catching up to the current state of the project

Research:

- A 2W 2 Ohm resistor was found, and the dimensions were used to choose the correct footprints

Action:

- The PCB design was modified to accommodate the new components
- A meeting was made with Wilson, in which we were able to get his sorter prototype working with the latest code

Value:

- With the new additions, the PCB design is ready to be sent off for manufacturing
- Bringing additional team members up to date will allow for concurrent development