

Embedded Systems...

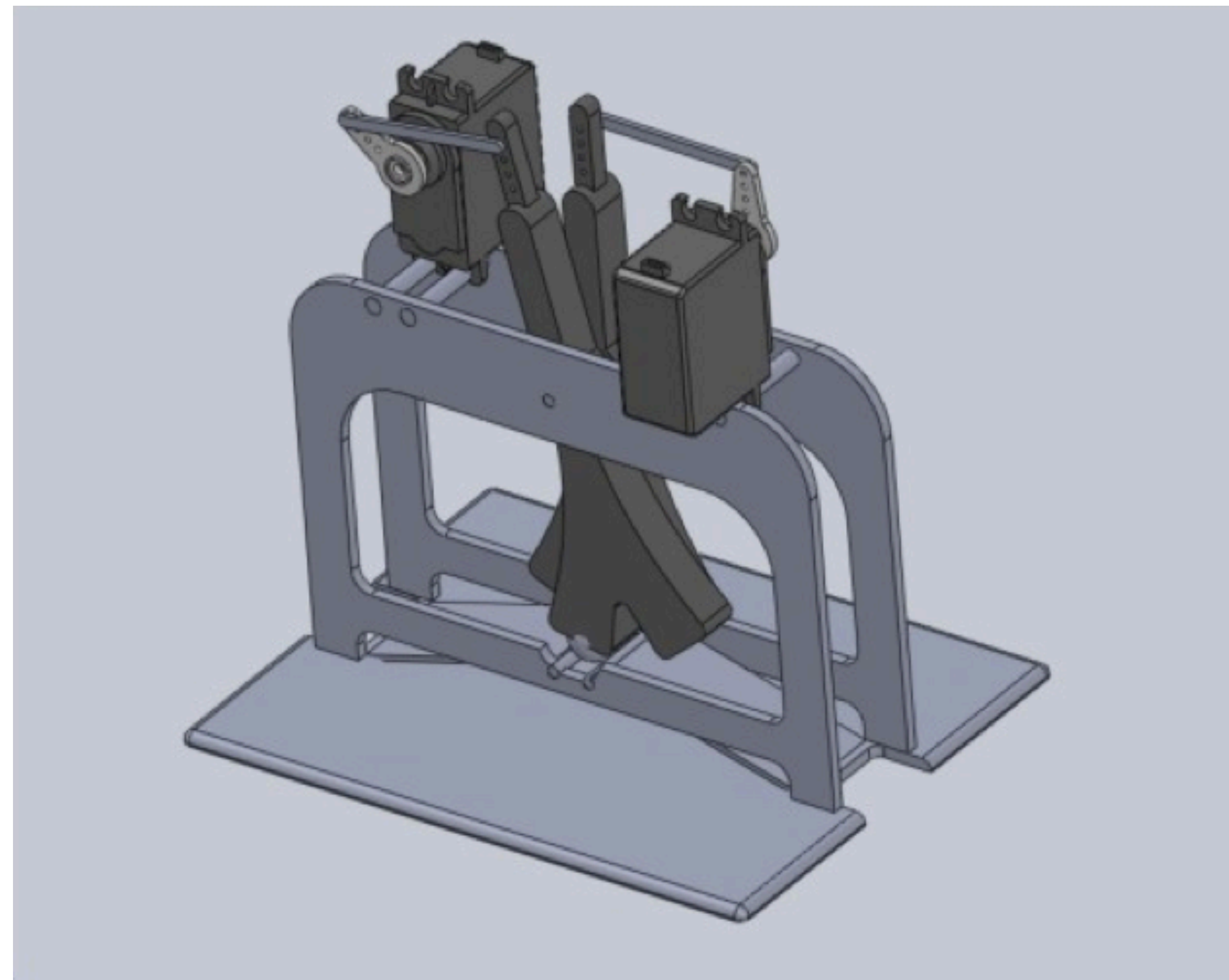
...encompass a wide range of applications from airplanes, cars, computers and toasters

...comprise of microcontrollers (the brain), power systems (the fuel), inputs (eyes & ears), and outputs (everything else)

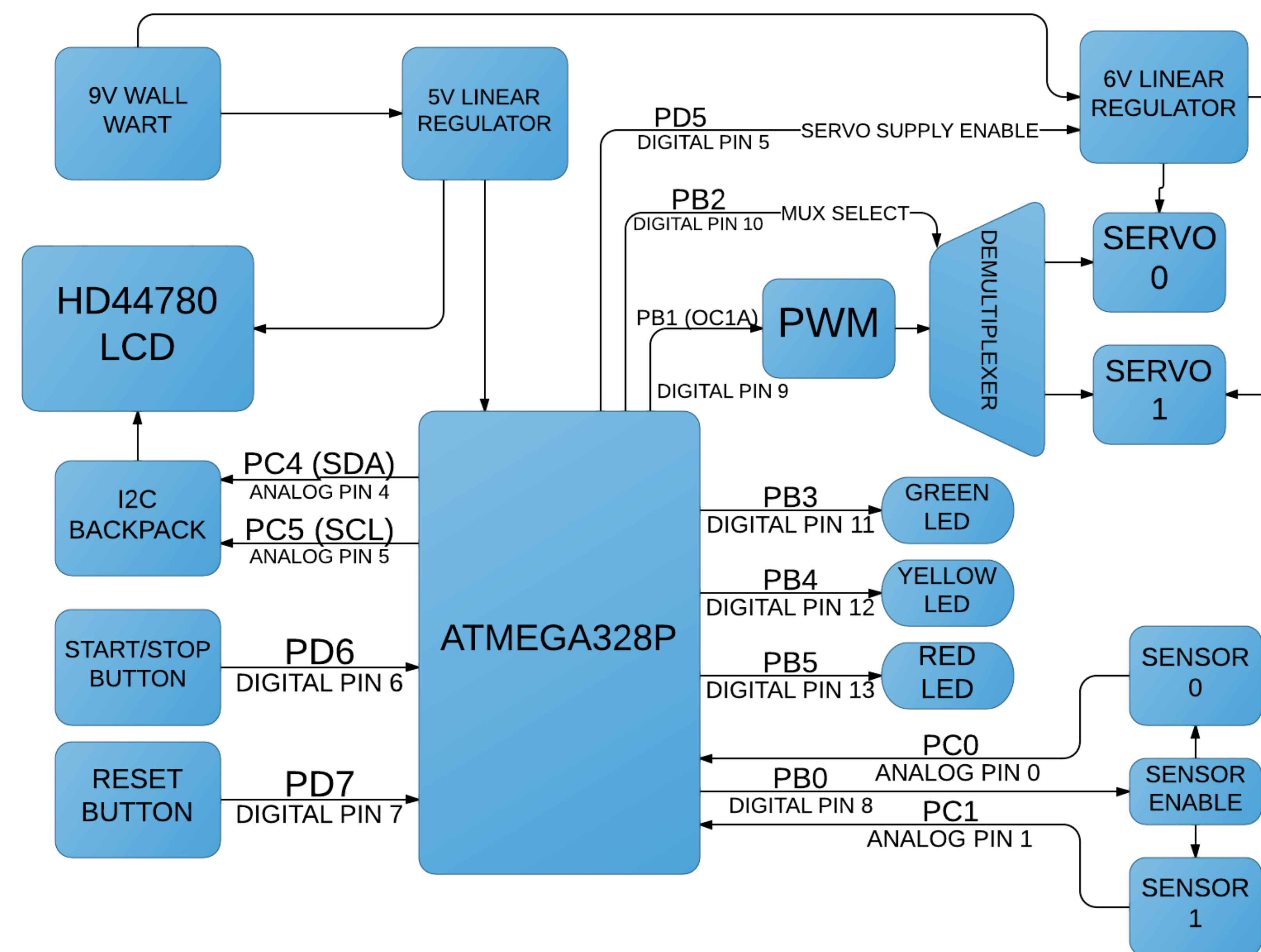
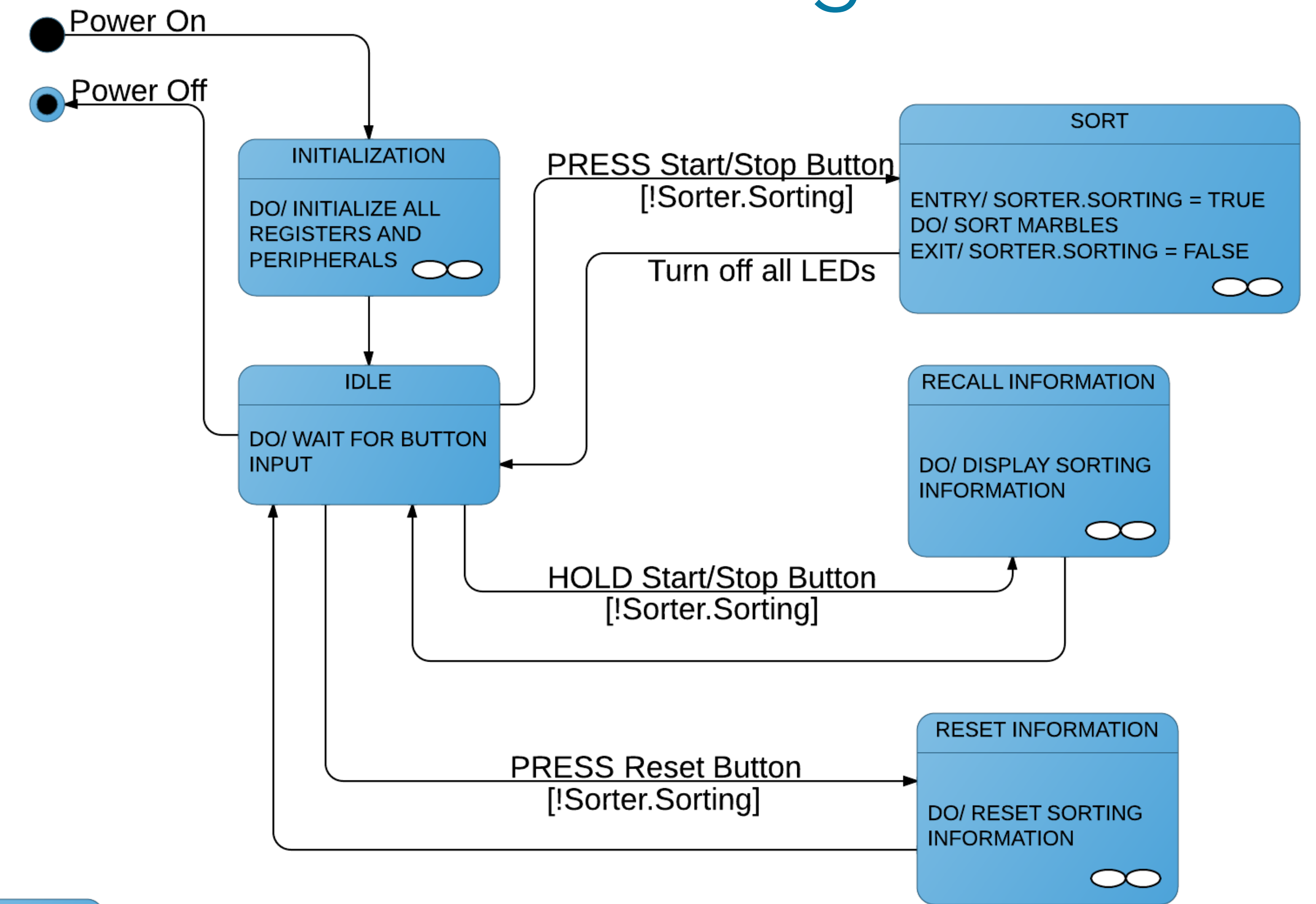
Requirements

- Sort black and white marbles
- Hopper must hold at least 25 marbles
- Keep track of sorting statistics
- Allow recollection of sorting statistics
- Allow reset of sorting statistics

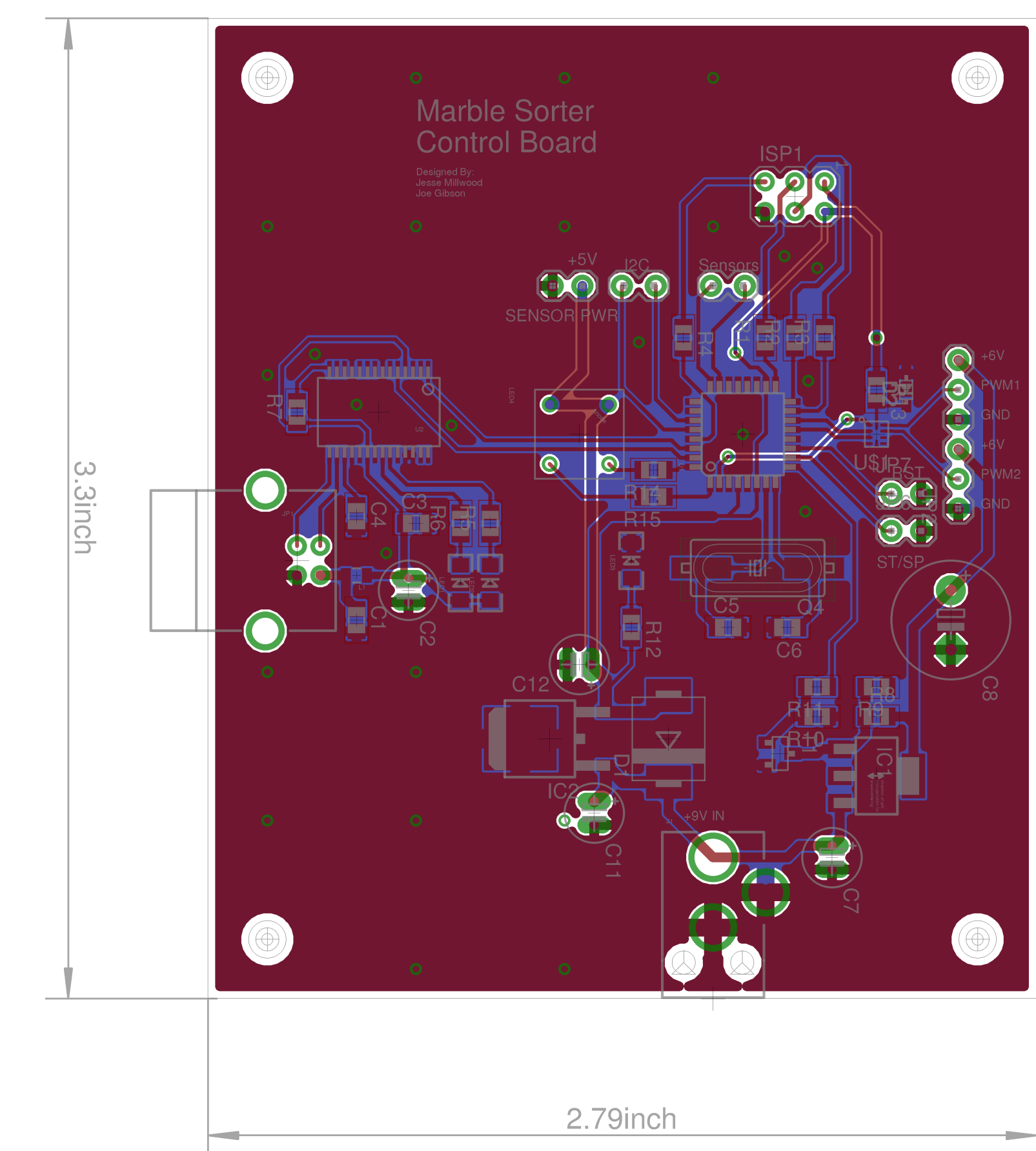
Sorter Drawing



UML Diagram



Board Layout



Block Diagram

Objective

Accurately sort 25 black/white marbles in a timely manner

Marble Sorter

Joe Gibson

Jesse Millwood

EGR 326 - Dr. Rob Bossemeyer

Best Sort Time:
Average Sort Time: