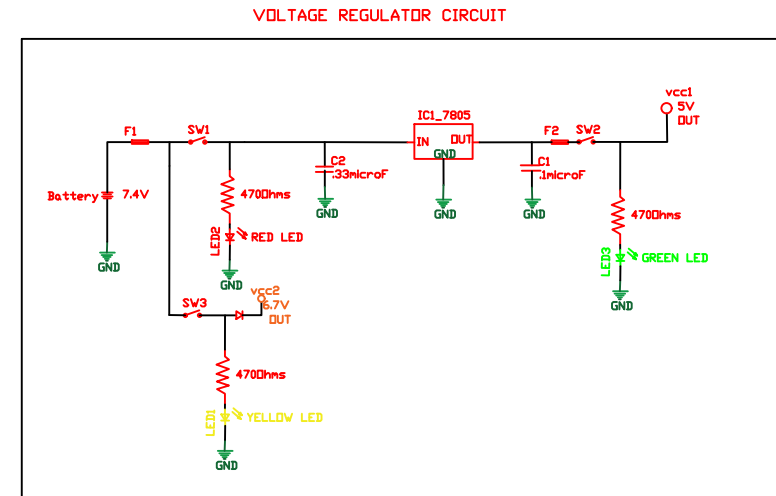
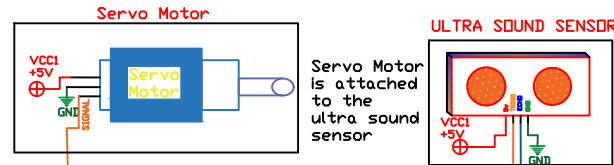
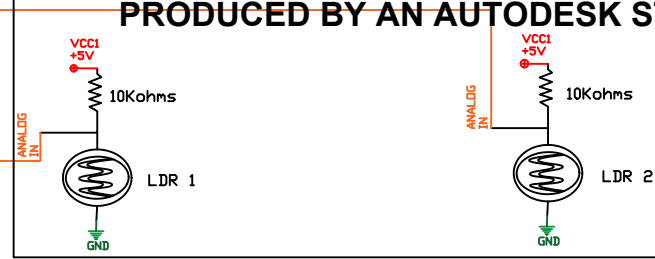


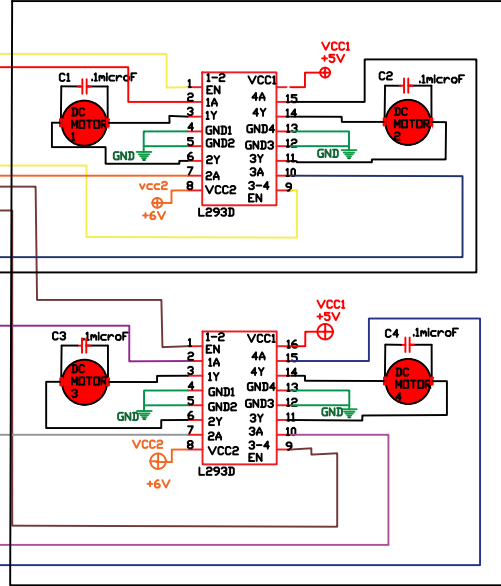
10 APRIL 2020

SALIM EL ATACHE

ELE8392 Robotics and Control



4motors and 2 L293D chips



INFRARED SENSORS



NOTES

ALL THE GROUNDS ARE CONNECTED TO THE SAME GROUND REFERENCE

VCC1 AND VCC2 WITH THE FOLLOWING SHAPE ARE VOLTAGE INPUTS OBTAINED FROM THE VOLTAGE REGULATOR CIRCUIT ABOVE

WIRE COLOR	WIRE FUNCTION
GREEN	VCC1 +5v
ORANGE	VCC2 +6v
WHITE / GREY	GROUND
YELLOW	PWM MOTOR 1/2
BROWN	PWM MOTOR 3/4
RED / ORANGE	MOTOR 1 Forward/ Bac
BLACK / WHITE	MOTOR 2 Forward/ Bac
PURPLE / GREY	MOTOR 3 Forward/ Bac
PURPLE / BLUE	MOTOR 4 Forward/ Bac