
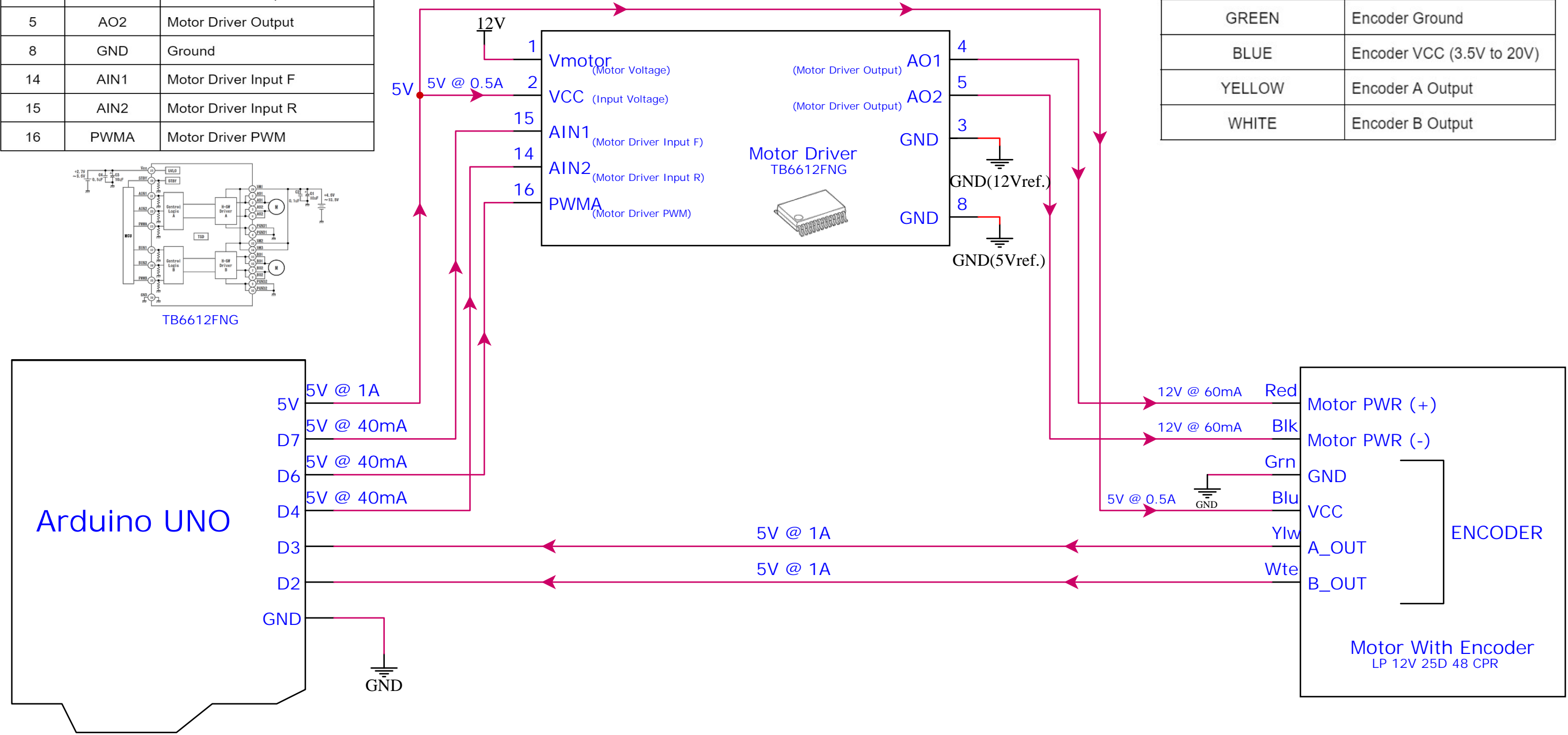


TITLE: DC Motor Control		REV: 1.0
	Company: ECE 3709L	Sheet: 1/1
	Date: 2022-09-06	Drawn By: Tejash, Aaron, Sam, Andrew

TB6612FNG		
Pin	Name	Function
1	Vmotor	Voltage Motor Pin
2	VCC	Input Voltage
4	AO1	Motor Driver Output
5	AO2	Motor Driver Output
8	GND	Ground
14	AIN1	Motor Driver Input F
15	AIN2	Motor Driver Input R
16	PWMA	Motor Driver PWM

LP 12V 25D Motor with Encoder (48 CPR)	
Color	Function
RED	Motor Power
BLACK	Motor Power
GREEN	Encoder Ground
BLUE	Encoder VCC (3.5V to 20V)
YELLOW	Encoder A Output
WHITE	Encoder B Output



California State Polytechnic University, Pomona 3801 W Temple Avenue Pomona, CA 91768 Building 9-435	Name: Aaron Madrigal, Andrew Lombera, Sam Ortega, Tejash Patel
	Evaluated by:
TITLE: DC Motor Schematic ECE 3709L	
REV: 2.0	
Electrical and Computer Engineering Department	
Sheet: 1/1	
Date: Wednesday September 23rd, 2022	