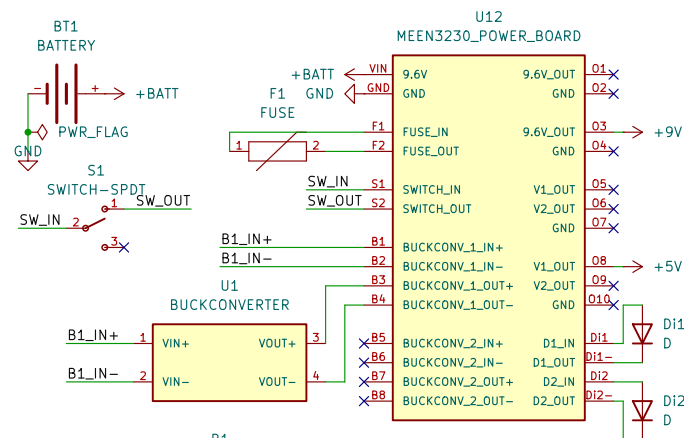
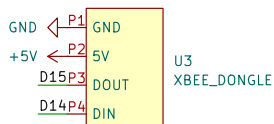
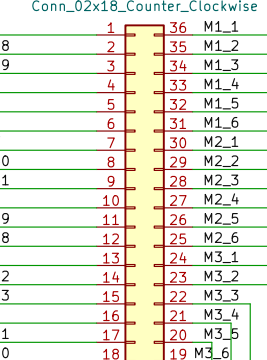


Everything In Here Is Rigidly Attached to the Base



18-Wide Ribbon Cable to Arduino

Conn\_02x18\_Counter\_Clockwise

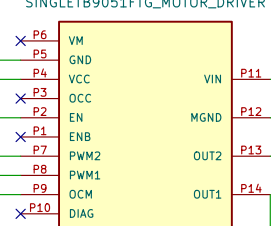


Logic Power from Buck

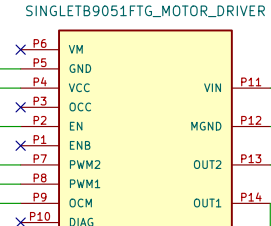
Power from Battery

Motors Ground

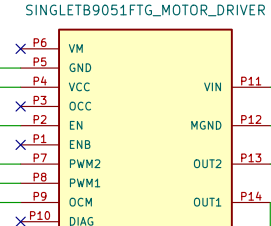
SINGLETB9051FTG\_MOTOR\_DRIVER



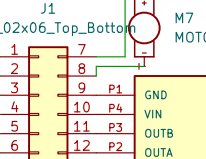
SINGLETB9051FTG\_MOTOR\_DRIVER



SINGLETB9051FTG\_MOTOR\_DRIVER



1: PWM  
2: Control 1  
3: Control 2  
4: Current Reading  
5: Encoder B  
6: Encoder A



For Motors  
Red: Power+, Black: Power-  
Green: GND, Blue: Encoder VCC (5V)  
Yellow/White: Encoder Outputs

Conn\_02x06\_Top\_Bottom

M7 MOTOR

ENCODER U5

Conn\_02x06\_Top\_Bottom

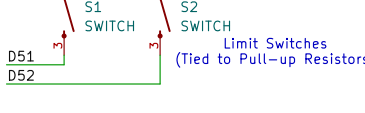
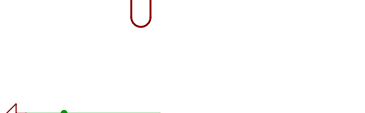
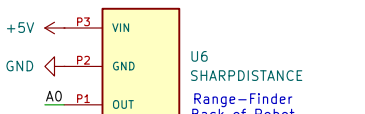
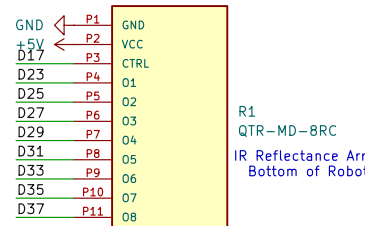
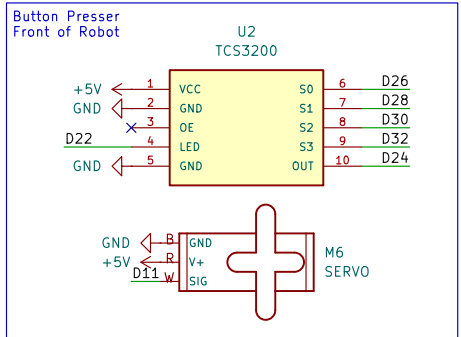
M8 MOTOR

ENCODER U9

Conn\_02x06\_Top\_Bottom

M9 MOTOR

ENCODER U11



These Parts Move

