

Revision History:

Date: Revision: Comments:

Initial Revision

Additional Notes:

Important Notes about this Schematic:

DESIGN NOTE:

Design notes in gray text boxes give information about design requirements and descriptions.

LAYOUT NOTE:

Layout notes in red text boxes give information regarding layout requirements.

DESIGN NOTE:

- DC motor driver uses 12V as the VM.
- The output of the motor driver should be connected to the 2 pin terminal block.
- Connect PWM1 to a Green status LED with 330 Ohm current limiting resistor.
- Connect PWM2 to a Green status LED with 330 Ohm current limiting resistor.
- Connect the SENSE pin to two (2) 0.200 Ohm resistors in parallel.

DESIGN NOTE:

Add 501.9 test points to the following signals

- PWM1
- PWM2
- OUT1
- OUT2
- GND
- 3.3V
- 12V

Title:

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S25 Brushed DC Motor - Student



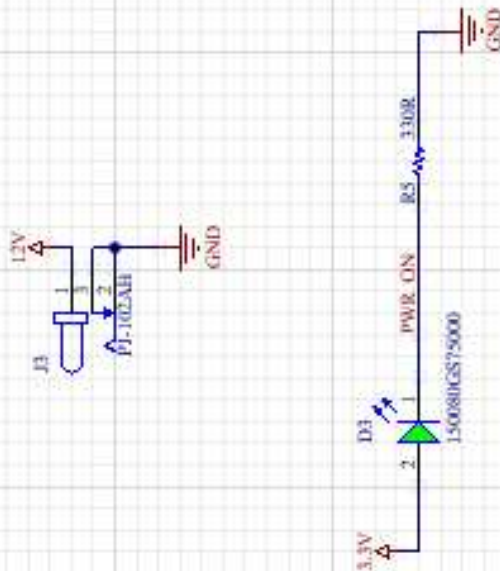
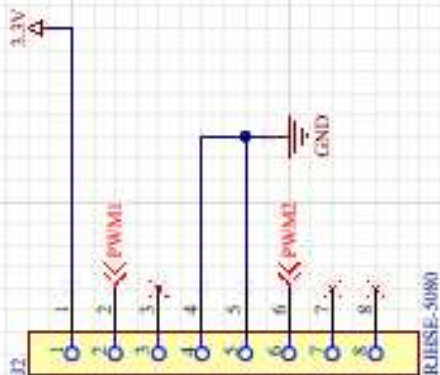
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College of Engineering
1415 Engineering Drive
Madison, WI 53706





Pin	UART	SPI	I2C	PWM	Analog
2	RX	MOSI	SCL	topwm0	
3	TX	MISO	SDA	topwm1	
6		SCLK		topwm2	
7		CS			
8					ADC



Title:

Off Board Connectors

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