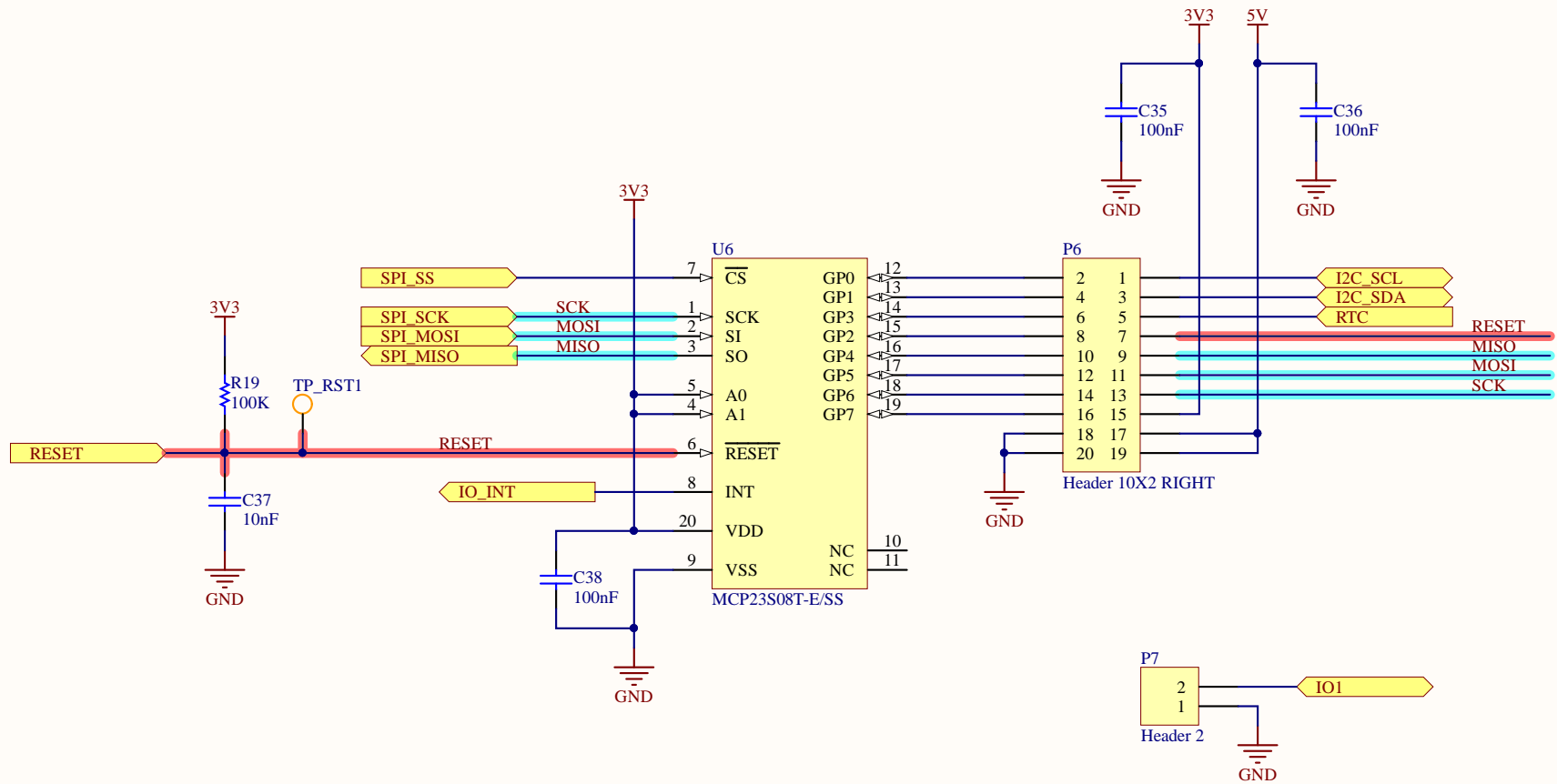
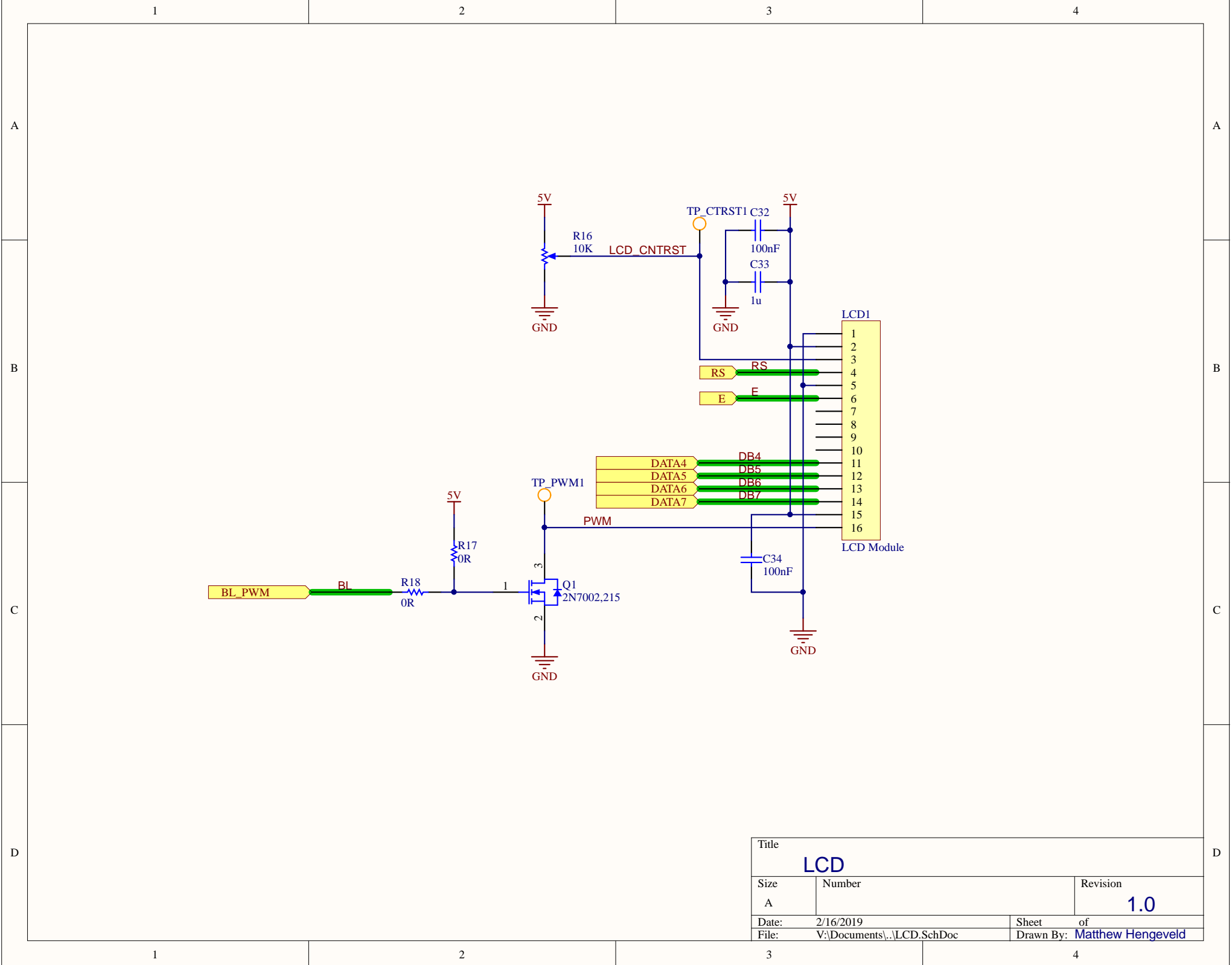
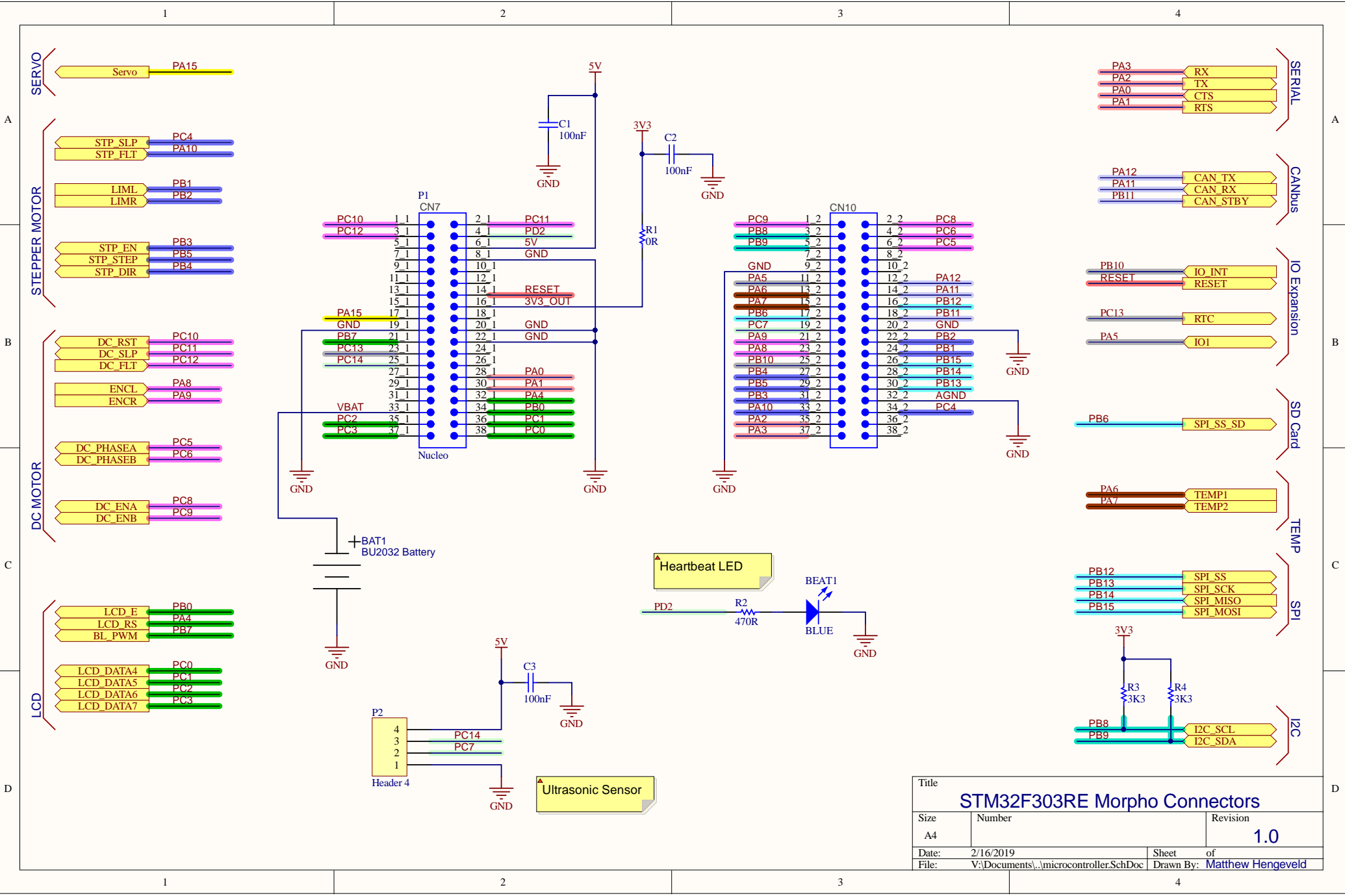


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File:	V:\Documents\...\DC Motor Driver.SchDoc	Drawn By: Matthew Hengeveld

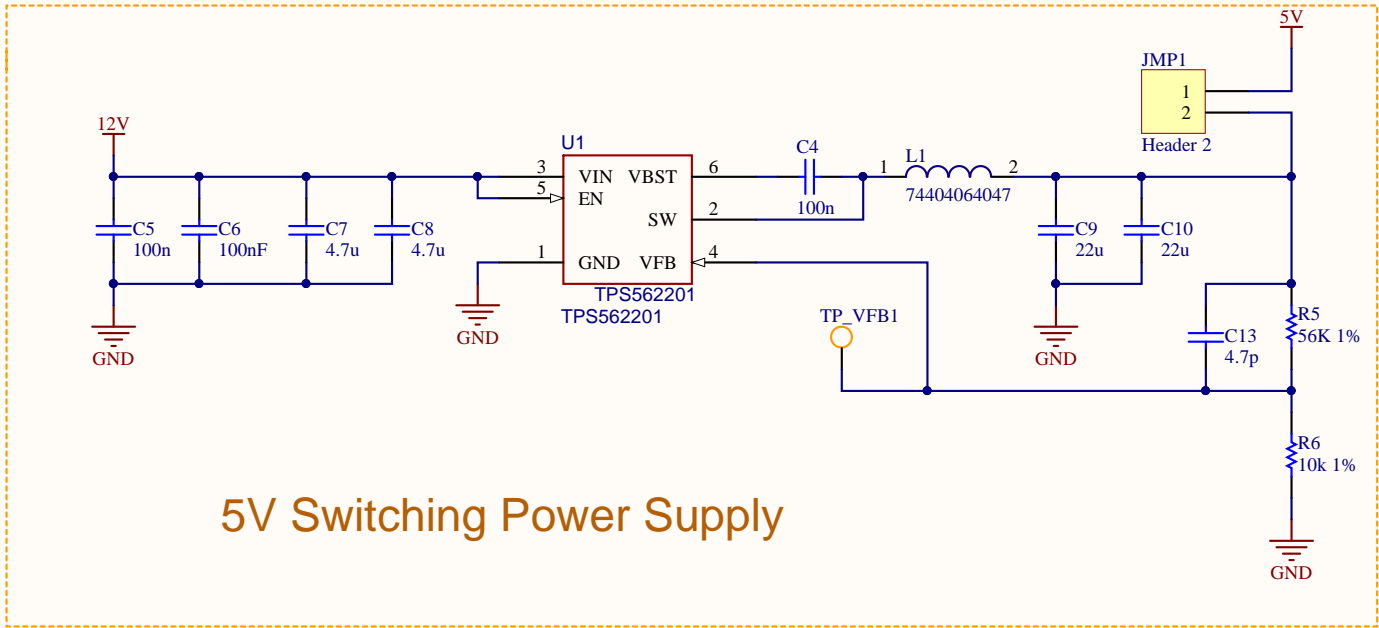


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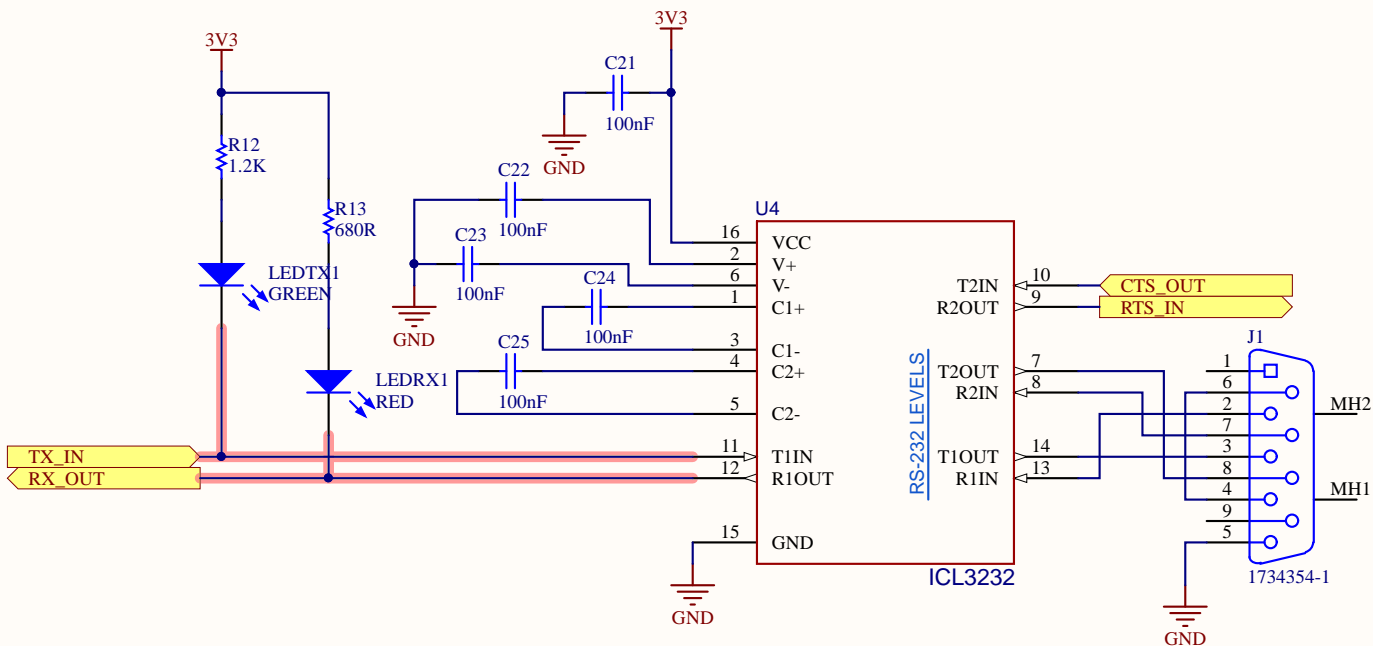
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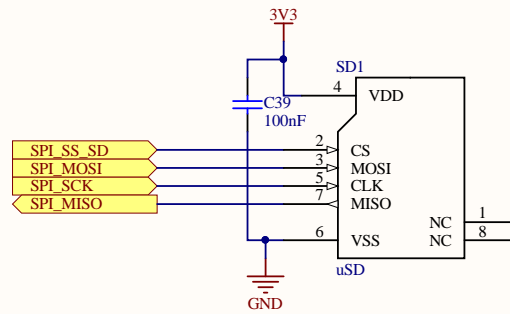
3V3 Linear Power Supply

The diagram illustrates a 3V3 Linear Power Supply circuit. The input is 5V, which is connected to the VIN pin (pin 1) of the voltage regulator U2 (CAT6219-330TDGTT3). The EN pin (pin 3) is connected to the 5V input through capacitor C15 (1uF). The VOUT pin (pin 5) is connected to the 3V3 output. The BYP pin (pin 4) is connected to ground through capacitor C19 (10nF). The output (pin 5) is filtered by capacitor C17 (100nF) and then C18 (3.3uF). The output is connected to a 3V3 header (JMP2) and a green LED (PWR1) through resistor R8 (470R).

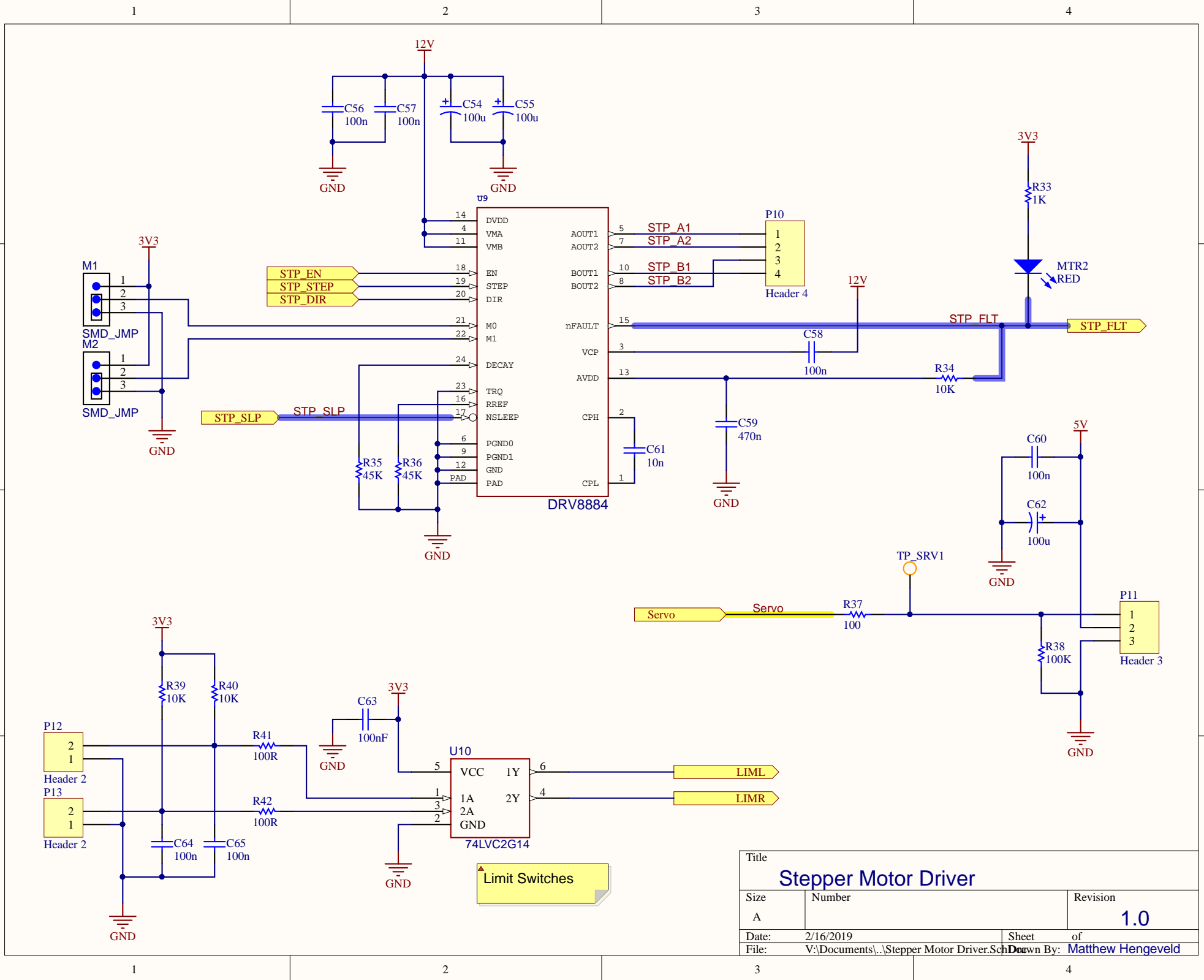
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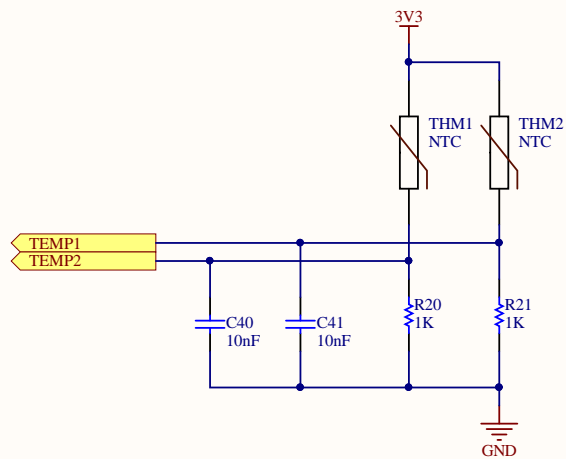
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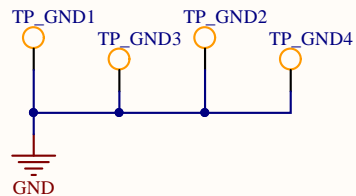
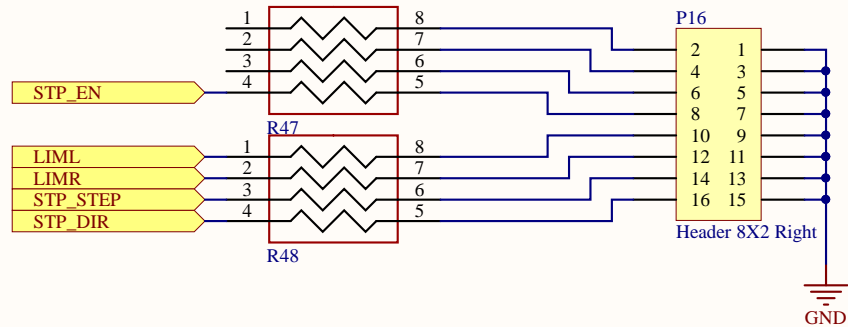
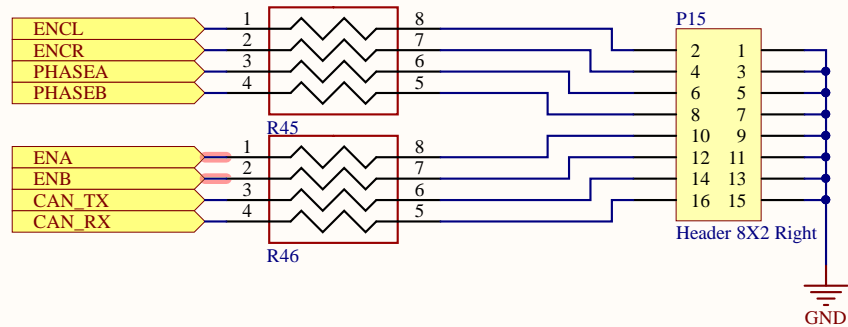
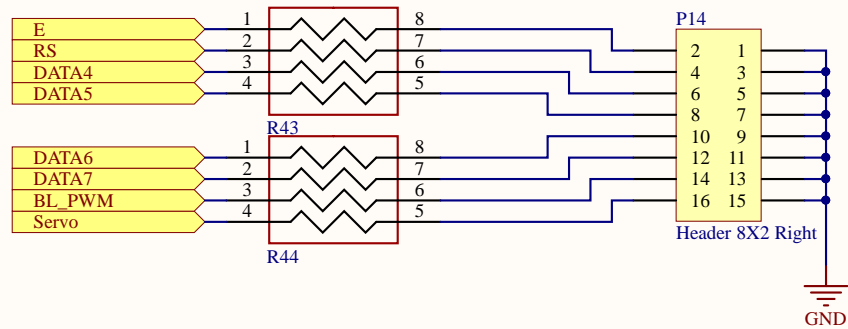
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Title		
Stepper Motor Driver		
Size	Number	Revision
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Date:	2/16/2019	Sheet of
File:	V:\Documents\...\Stepper Motor Driver.SchDoc	Down By: Matthew Hengeveld



Title			NTC Temperature Sensors	
Size	Number		Revision	
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Title		
Test Points		
Size	Number	Revision
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Date:	2/16/2019	Sheet of
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Test Points
TestPoints.SchDoc

Temperature
Temperature.SchDoc

Stepper Motor
Stepper Motor Driver.SchDoc

DC Motor
DC Motor Driver.SchDoc

LCD
LCD.SchDoc

Power Supply
power supply.SchDoc

STM32F303RE
microcontroller.SchDoc

Bluetooth
Bluetooth.SchDoc

Serial
rs232.SchDoc

CANbus
CANbus.SchDoc

Designator
IO Expansion.SchDoc

SD card
SD card.SchDoc

Title Top Sheet			
Size B	Number	Revision 1.0	
Date: 2/16/2019	Sheet 1 of		
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P1

STM32F303 NUCLEO

