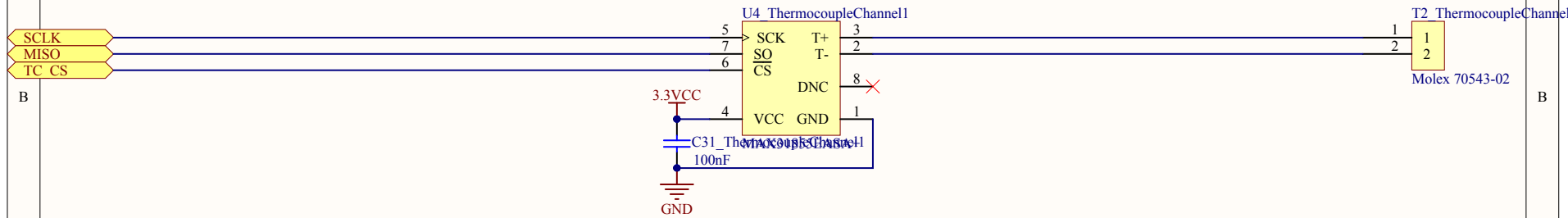
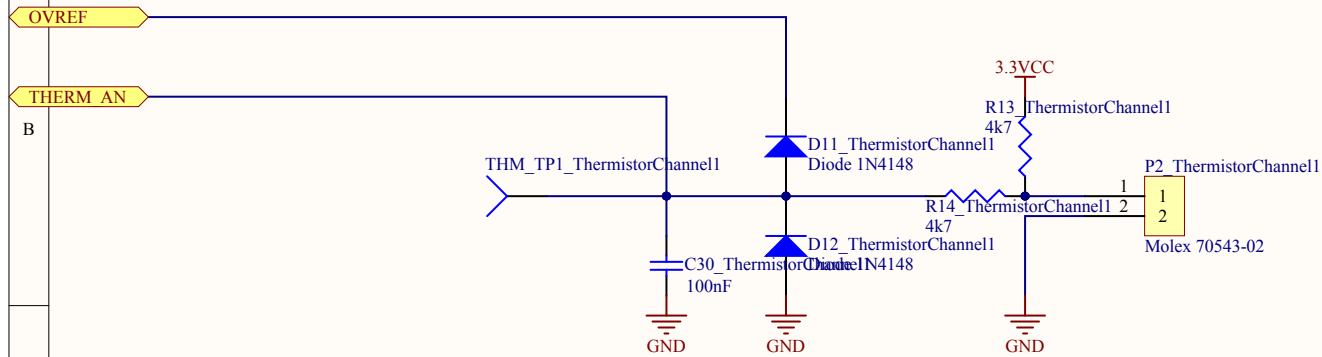


# MAX31855 Thermocouple ADC Channel



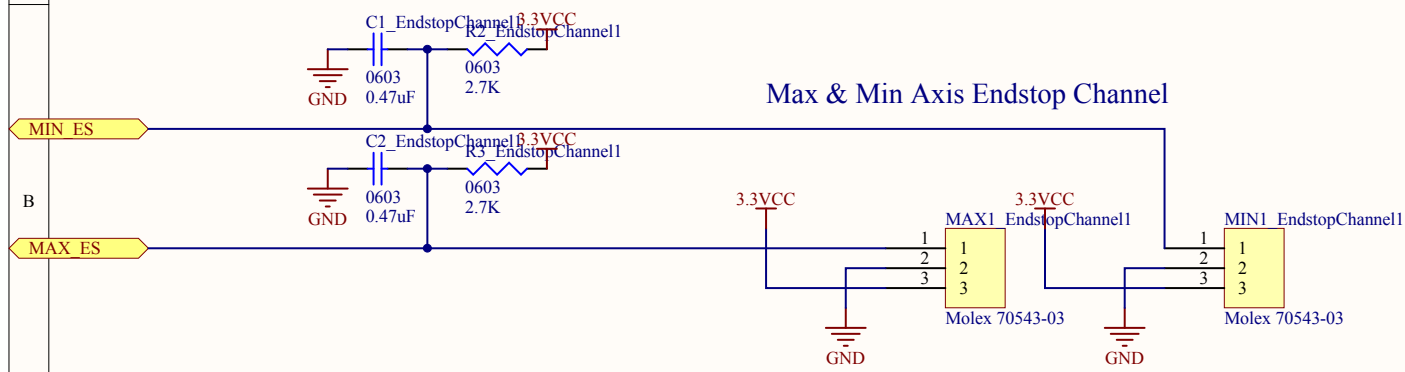
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# Thermistor Channel

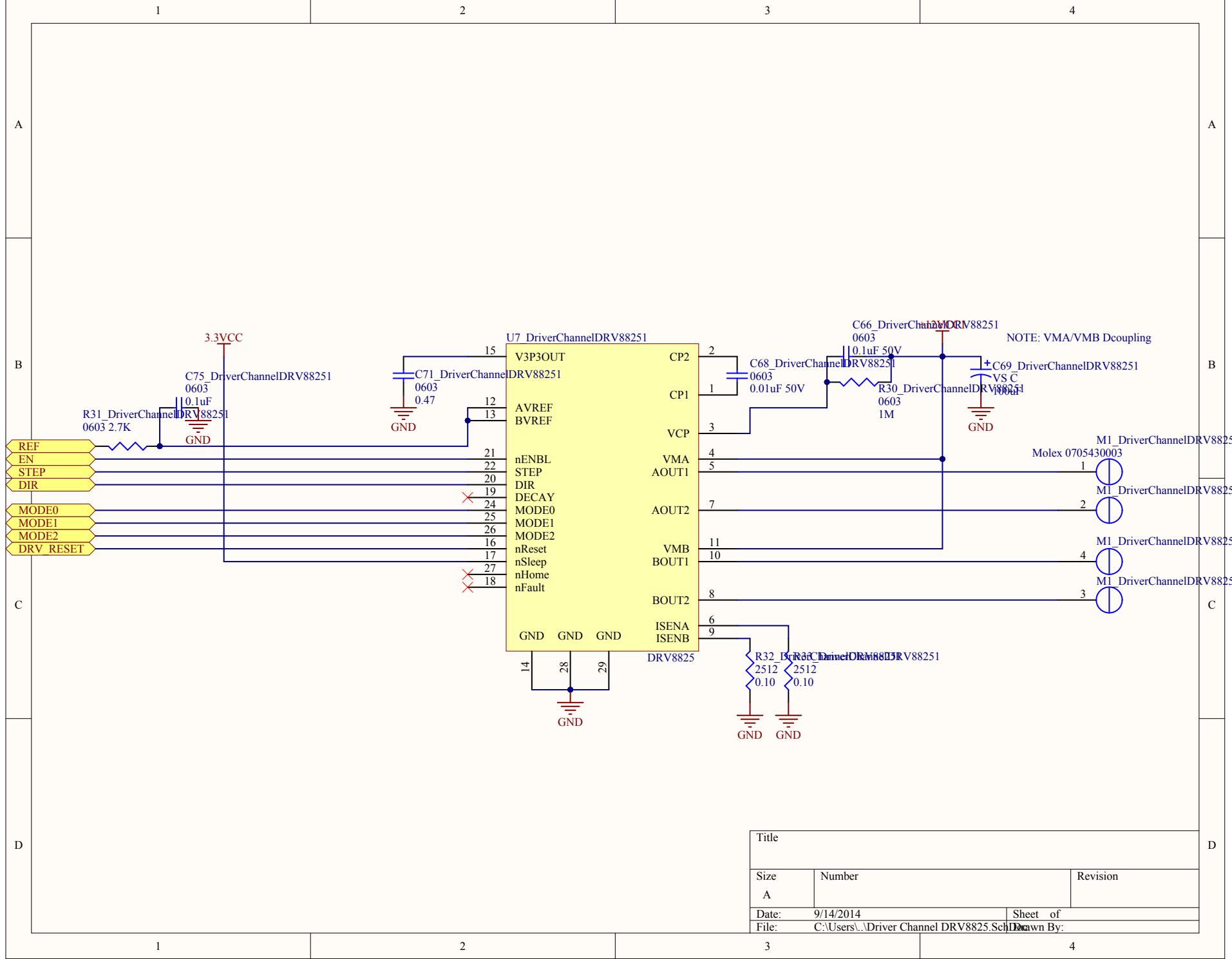


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# End Stop Channel



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A

B

C

D

A

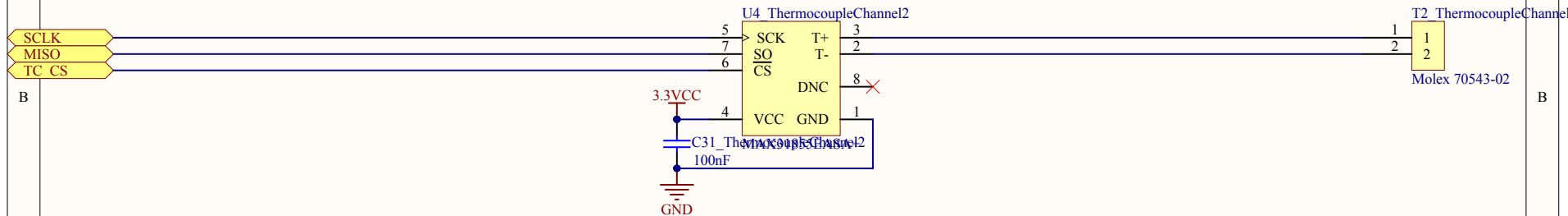
B

C

D

Title		
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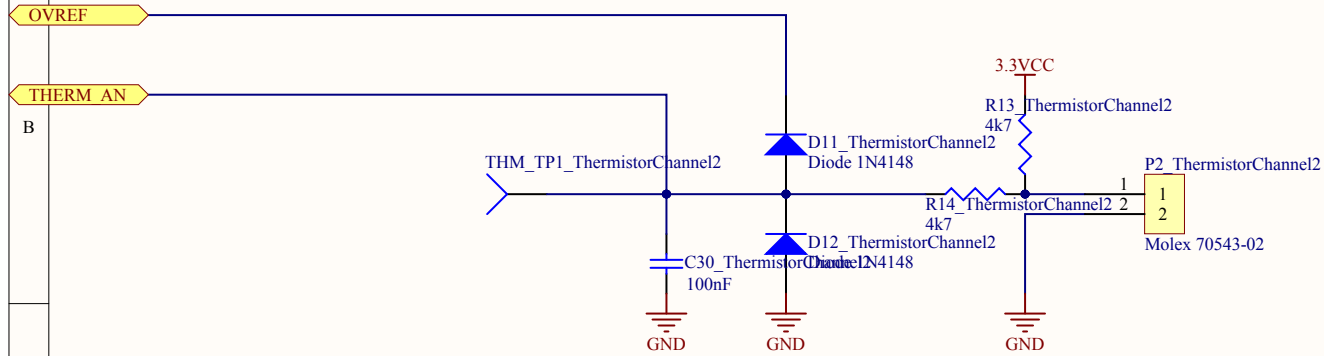
# MAX31855 Thermocouple ADC Channel



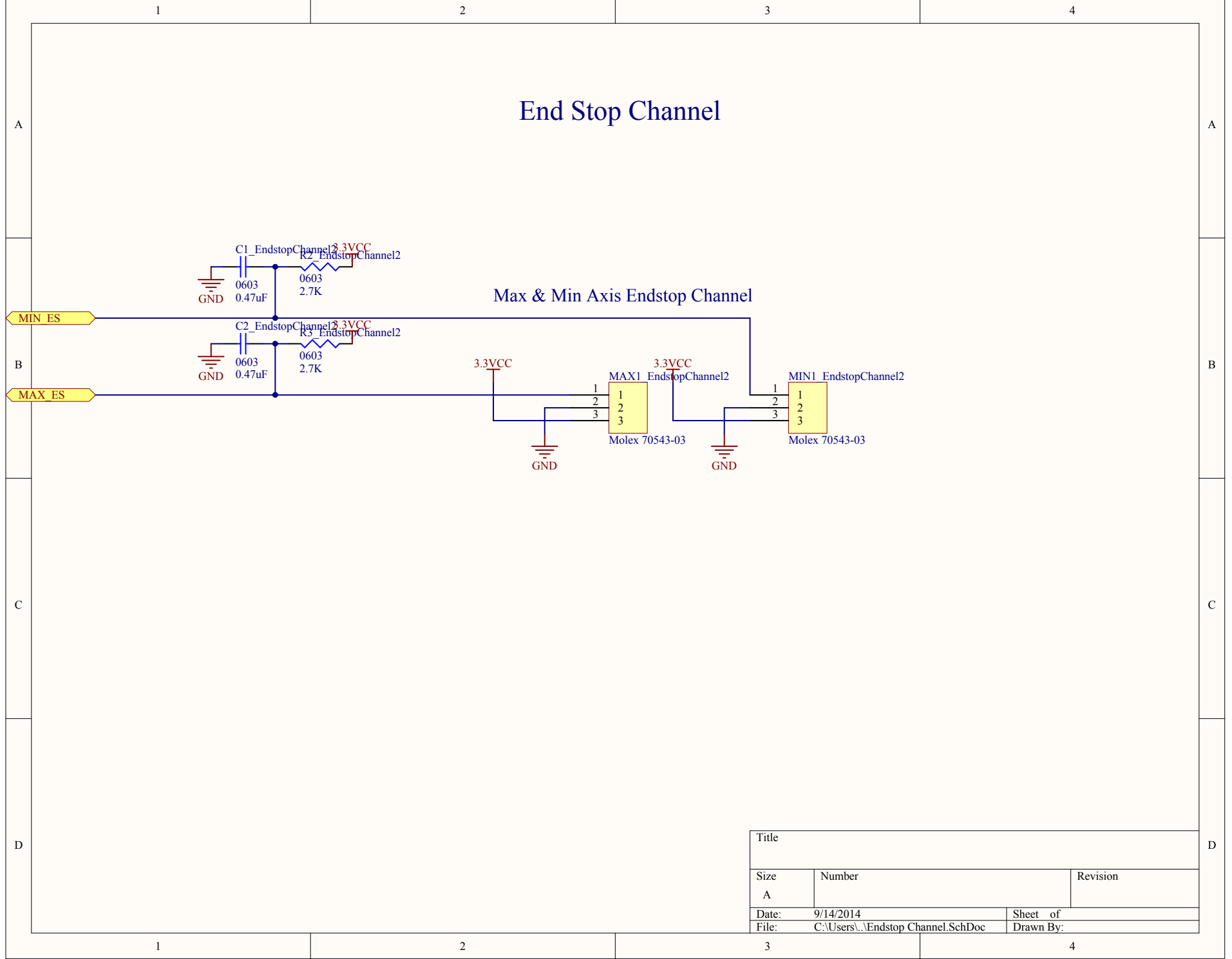
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**Thermistor Channel**

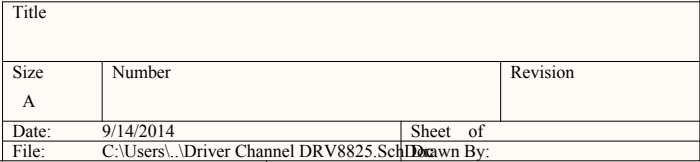
The schematic diagram illustrates the internal circuitry of a Thermistor Channel. It features two primary inputs: **OVREF** and **THERM AN**, both represented by yellow hexagonal symbols. The **THERM AN** input is connected to a network consisting of a 100nF capacitor (**C30**), two 1N4148 diodes (**D11** and **D12**), and two 4k7 resistors (**R13** and **R14**). The **OVREF** input is connected to the same network via a 4k7 resistor (**R13**). The output of this network is connected to a Molex 70543-02 connector (**P2**), which has two pins labeled **1** and **2**. The circuit is powered by a 3.3VCC supply, which is connected to the 4k7 resistor (**R14**) and the Molex connector (**P2**). The ground connections are labeled **GND**. The components are labeled with their respective values and identifiers: **C30** (100nF), **D11** (Diode 1N4148), **D12** (Diode 1N4148), **R13** (4k7), and **R14** (4k7). The Molex connector is labeled **P2** (Molex 70543-02). The overall title of the diagram is **Thermistor Channel**.



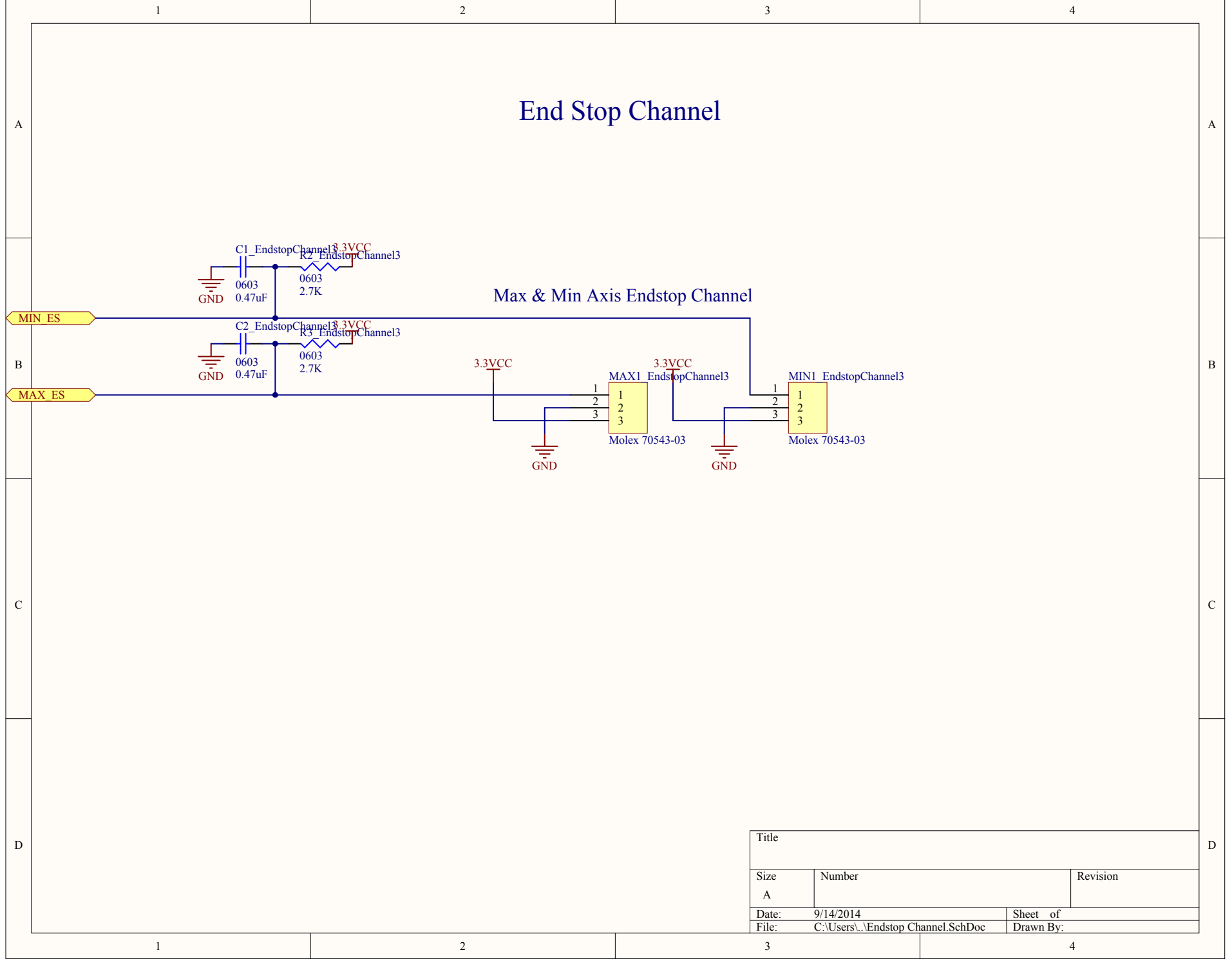
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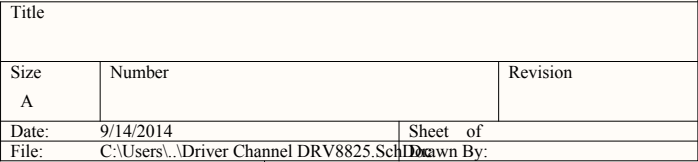
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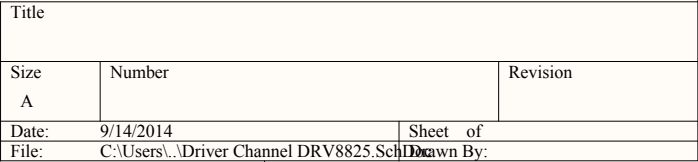


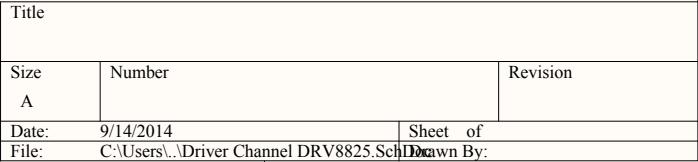




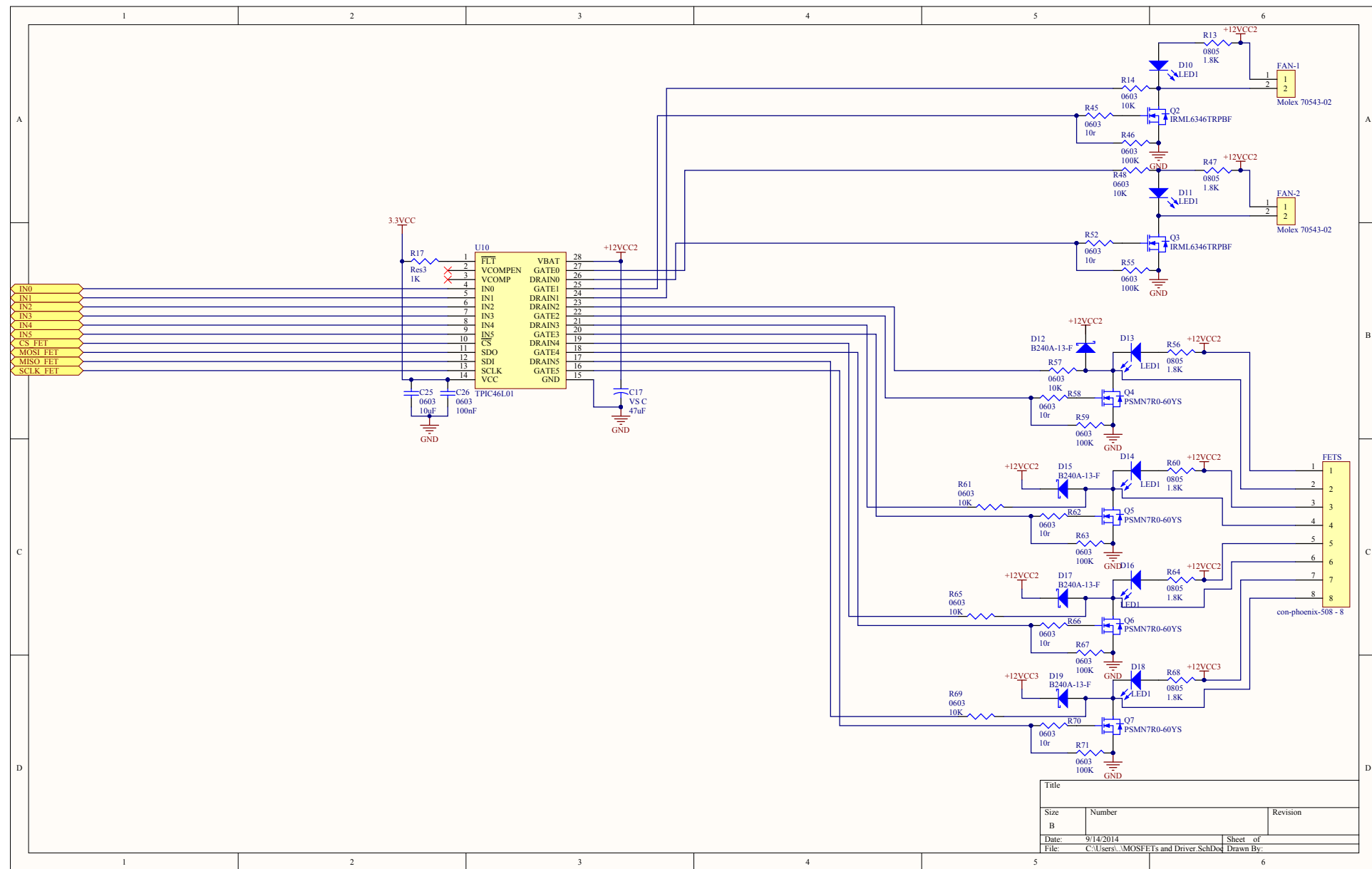
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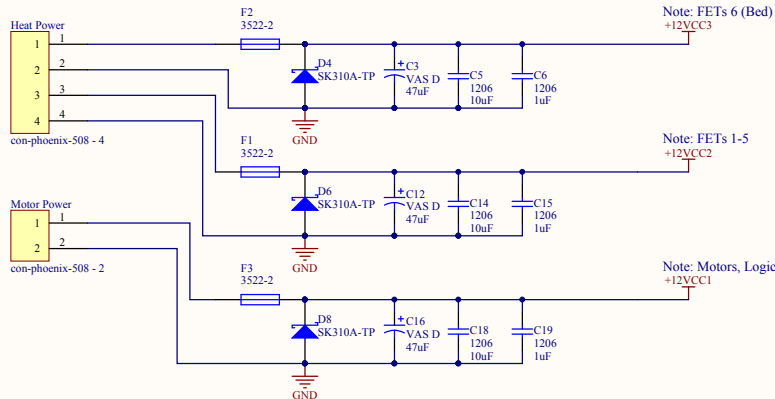






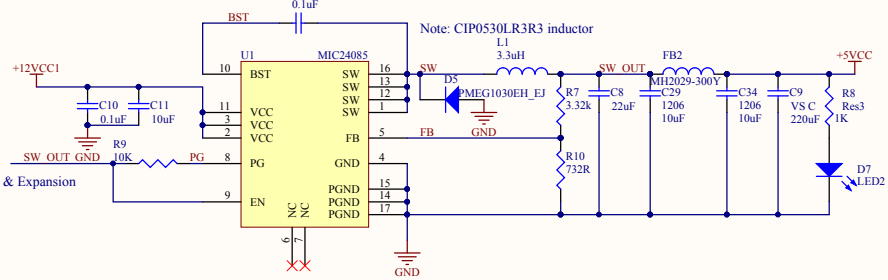




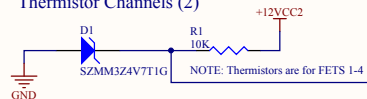


NOTE: Compatible with 24VDC

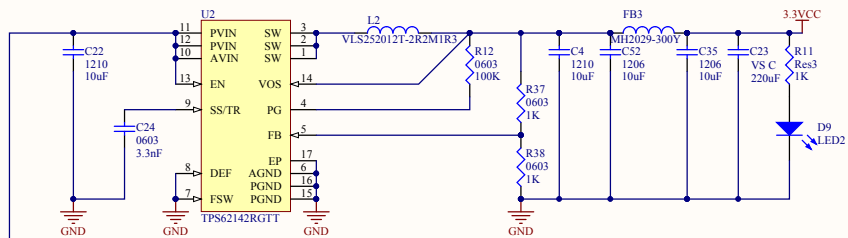
### Five Volt Supply 3A DCDC Switching



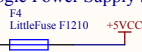
### Thermistor Channels (2)



### Logic Power Supply (3.3VDC)



### Logic Power Supply Select Jumper



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Date:	9/14/2014	Sheet of
File:	C:\Users\...\Power SchDoc	Drawn By:

