
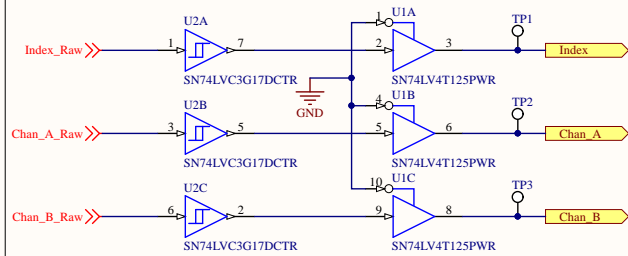
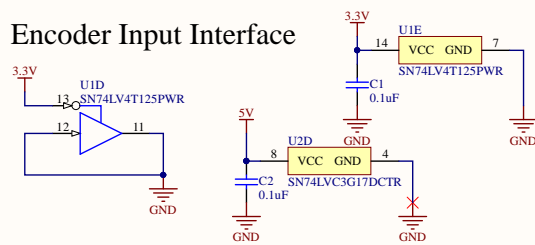


# UOE BLDC Driver Board - 2020

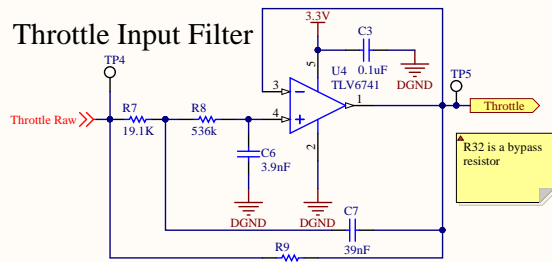
Title <i>Title Page</i>			<i>UOE Racing University of Ottawa Camry M &amp; Nick M</i>	
Size: <i>A</i>	Number: <i>2020</i>	Revision: <i>A</i>		
Date: <i>11/5/2019</i>	Time: <i>8:44:52 AM</i>	Sheet <i>1</i> of <i>4</i>		
File: <i>P:\Uoe\Electrical\Motor-Driver\2019-2020\Schematic\Title Page.SchDoc</i>				



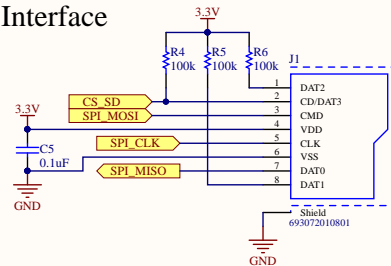
### Encoder Input Interface



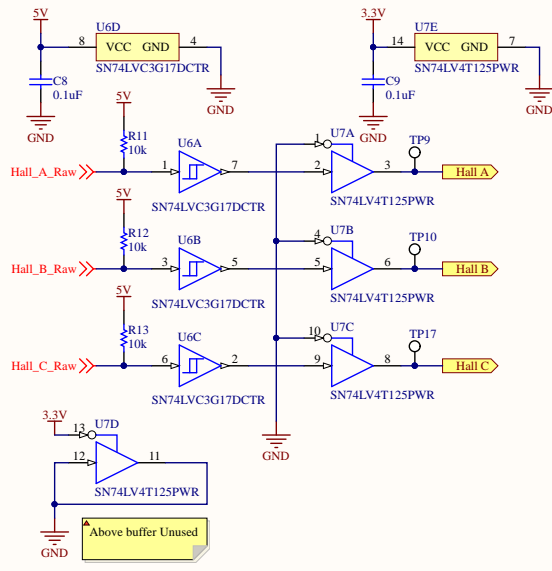
### Throttle Input Filter



### SD Card Interface

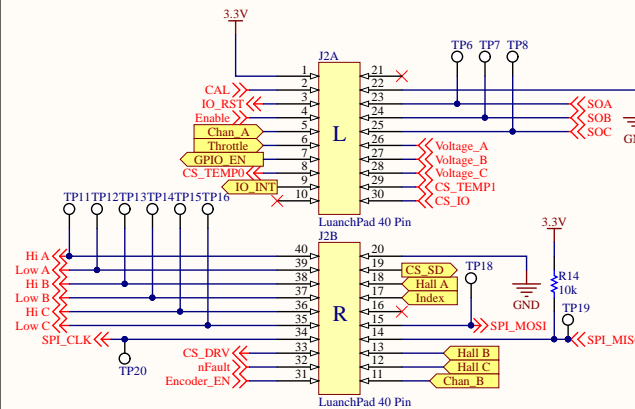


### Hall Input Voltage Translator and Schmit Trigger

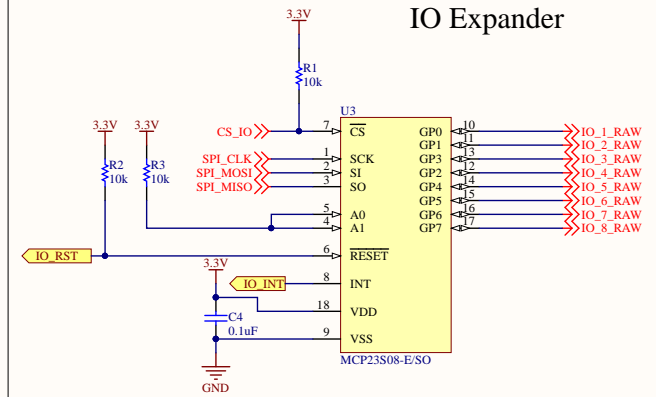


### LaunchPad

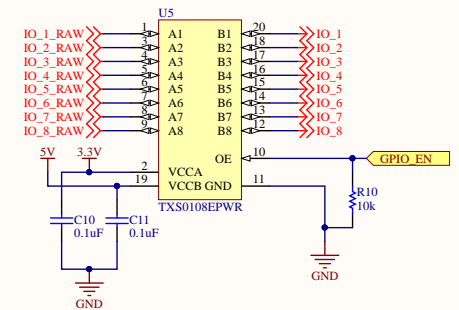
Pin Assignment meant for MSP430F5529, Verify for others!



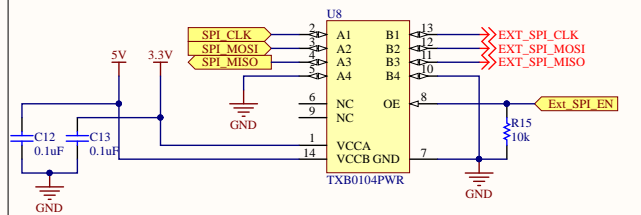
### IO Expander

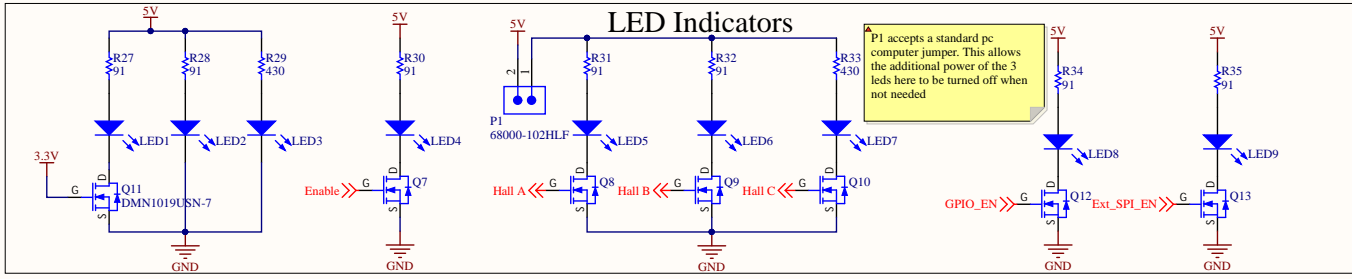
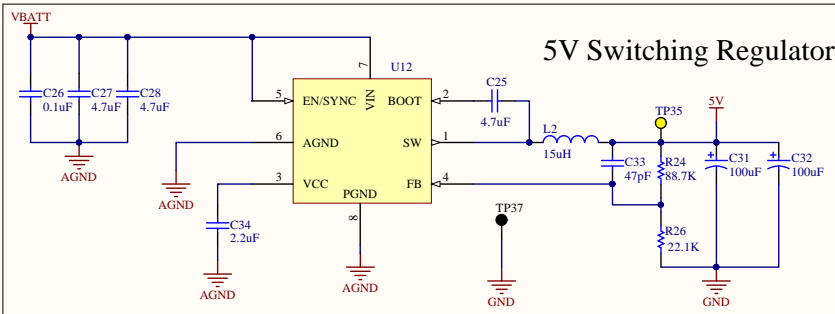
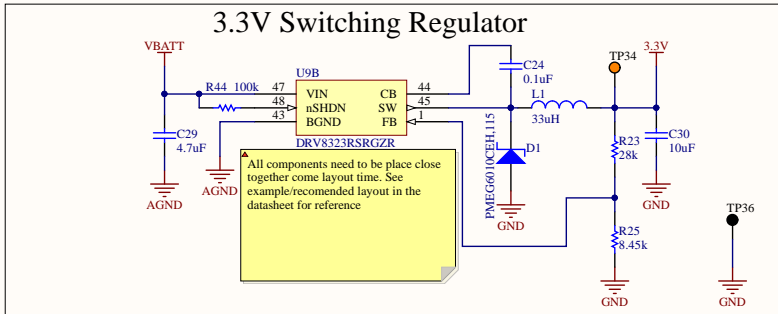
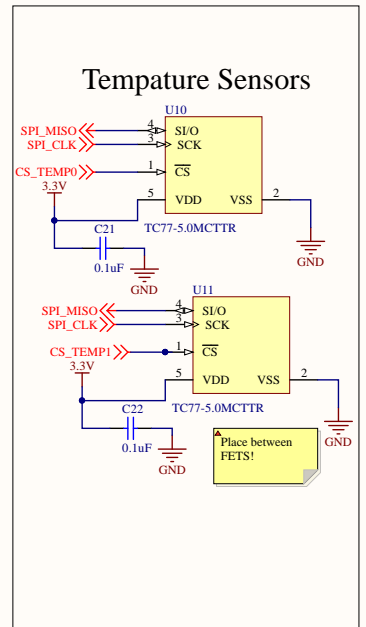
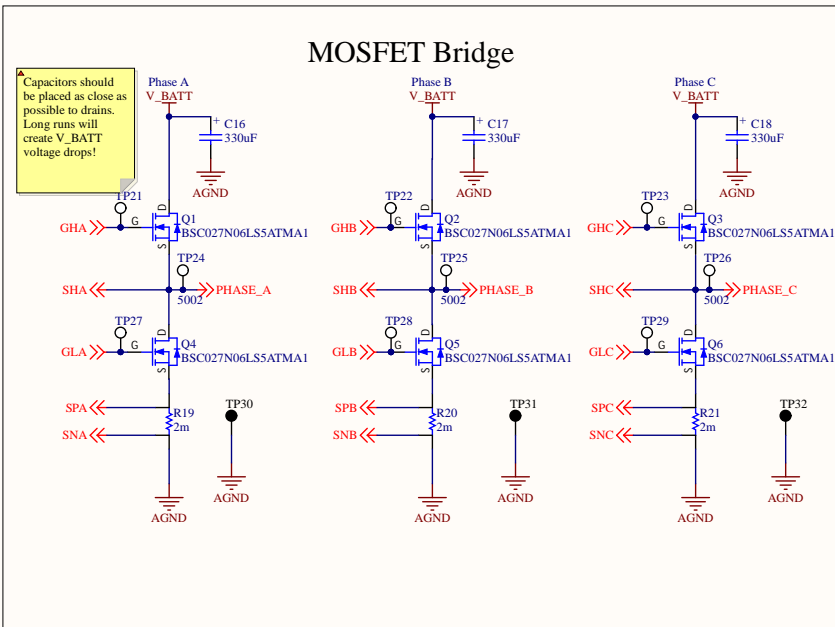
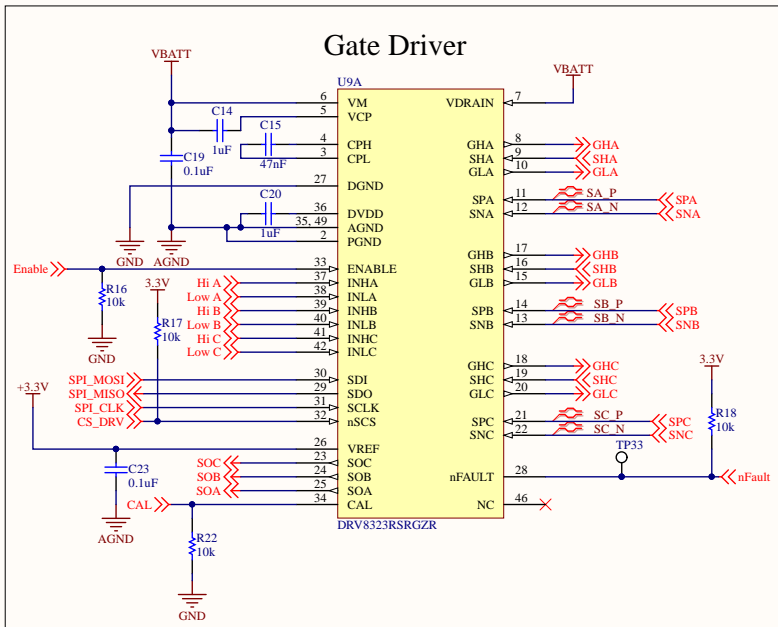


### GPIO Level Shifter Buffer

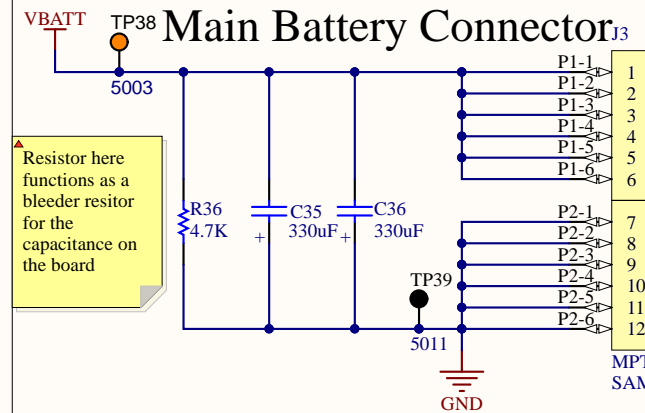
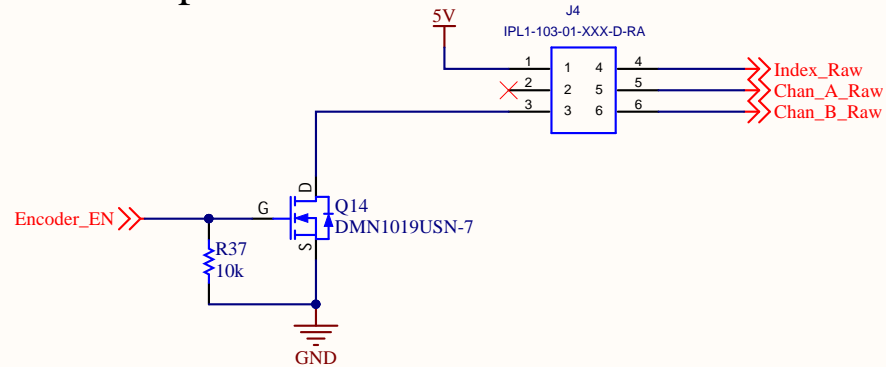


### External SPI Level Shifting Buffer

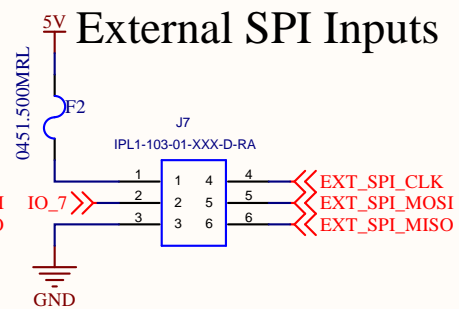
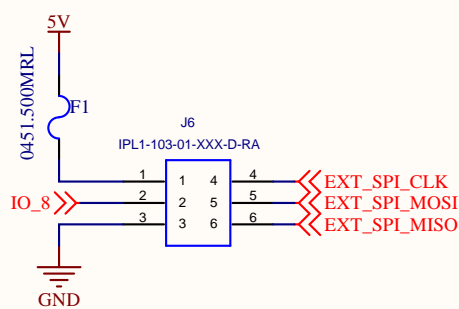
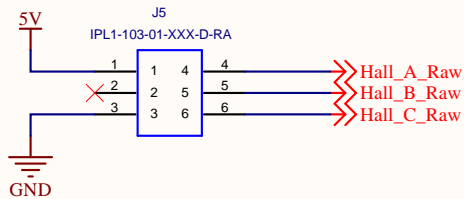




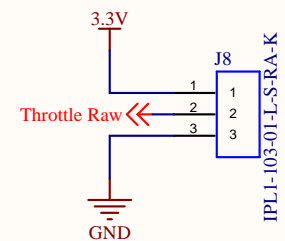
## Encoder Input



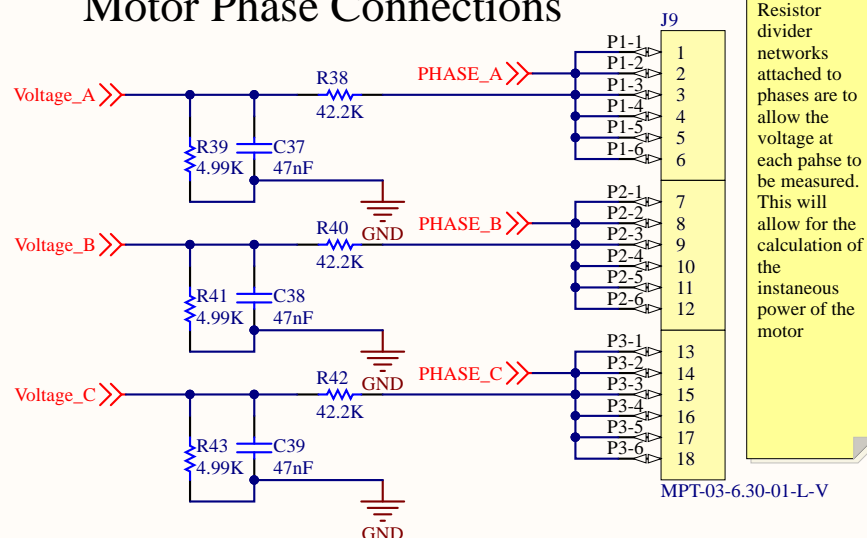
## Hall Effect Input



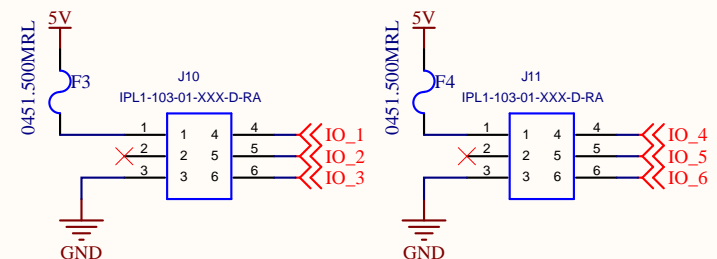
## Throttle Input



## Motor Phase Connections



## External GPIO



Title **Connectors and Inputs**

Size: **A**

Number: **2020**

Revision: **A**

Date: **11/5/2019**

Time: **8:44:53 AM**

Sheet **4** of **4**

UOE Racing  
University of Ottawa  
Camry M  
&  
Nick M



File: **P:\Uoe\Electrical\Motor-Driver\2019-2020\Schematic\Connectors and Inputs.SchDoc**