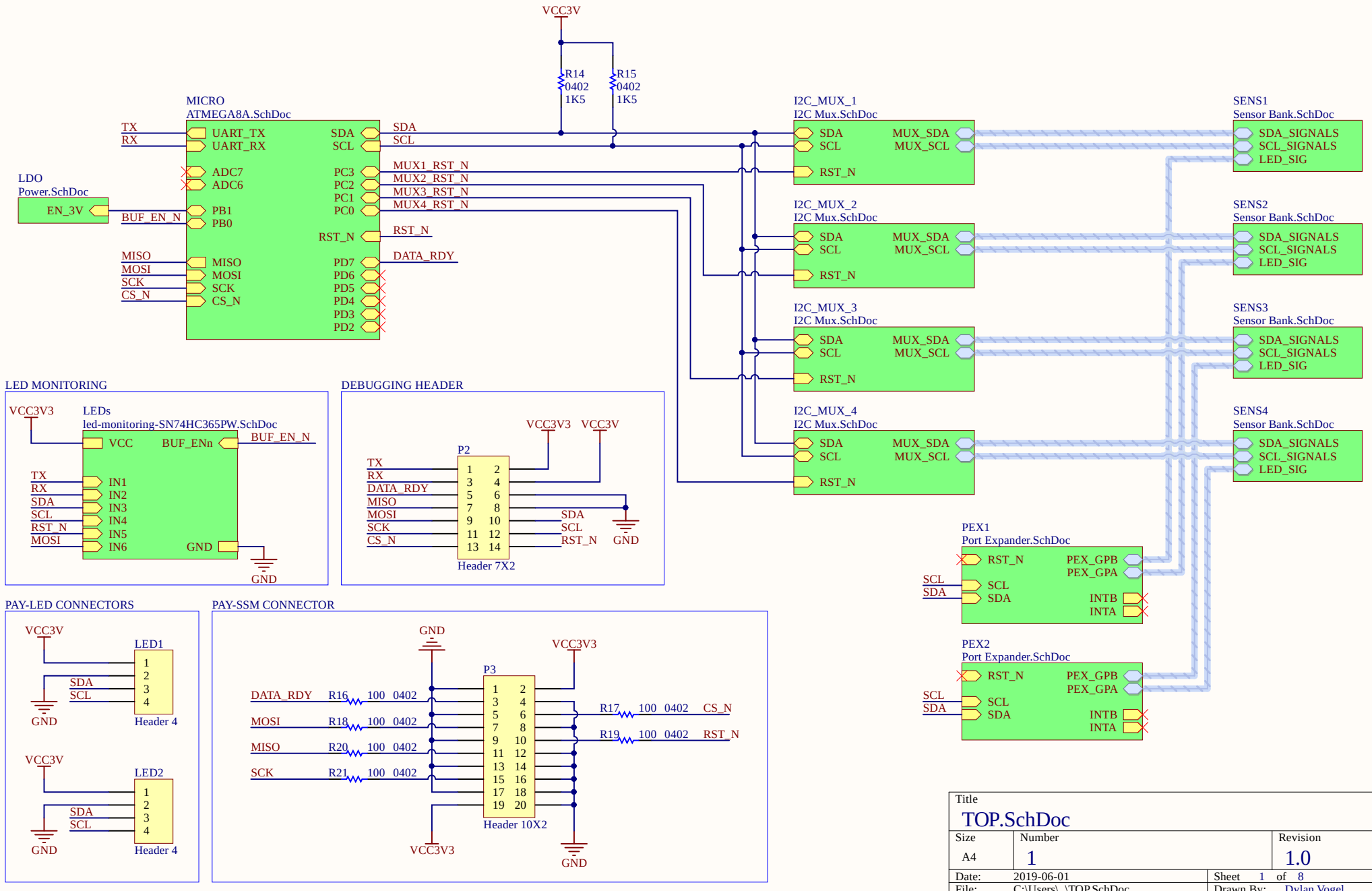

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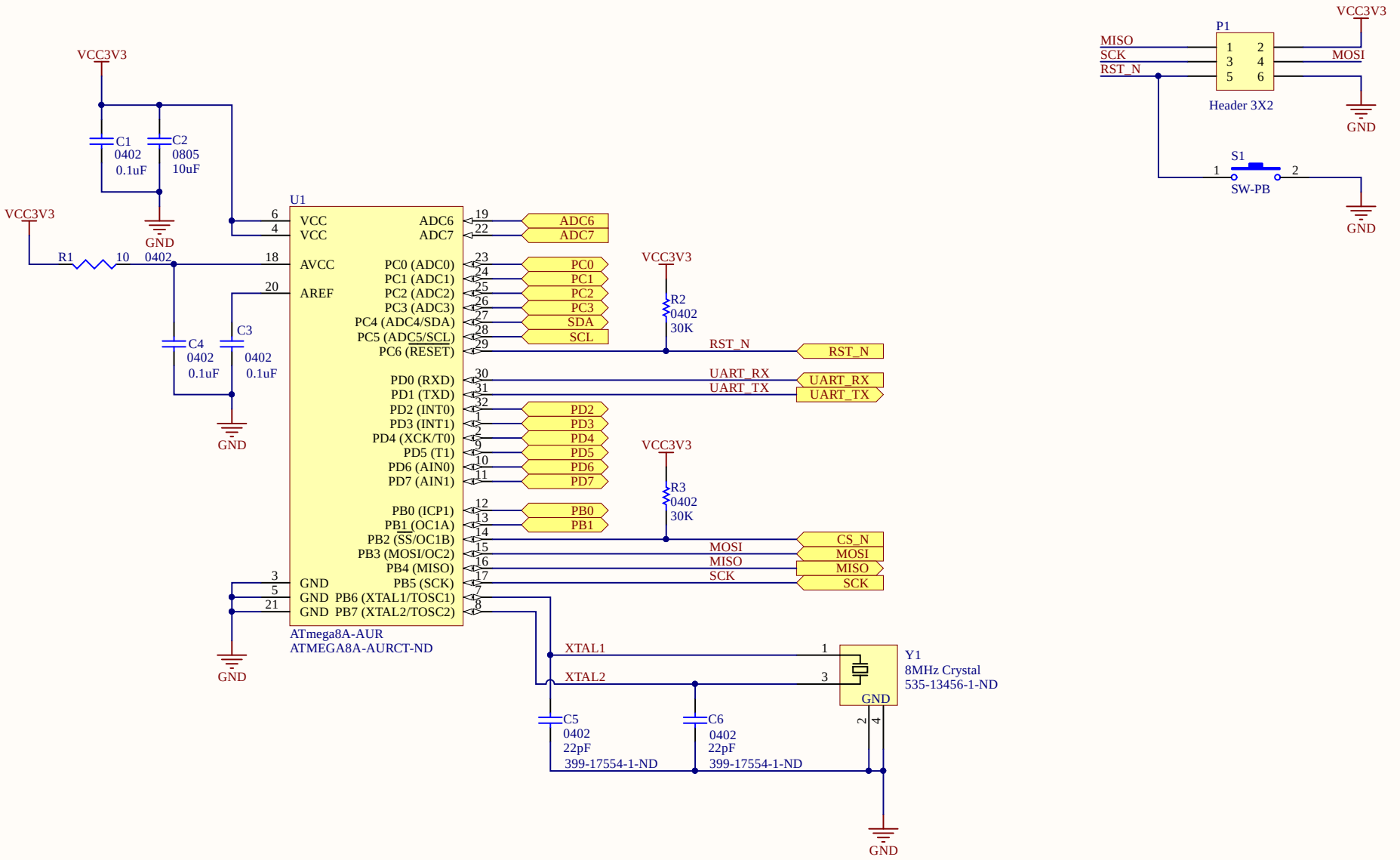
Size: A4	Number: 1	Revision: 1.0
Date: 2019-06-01		Sheet 1 of 8
File: C:\Users\..\TOP.SchDoc		Drawn By: Dylan Vogel



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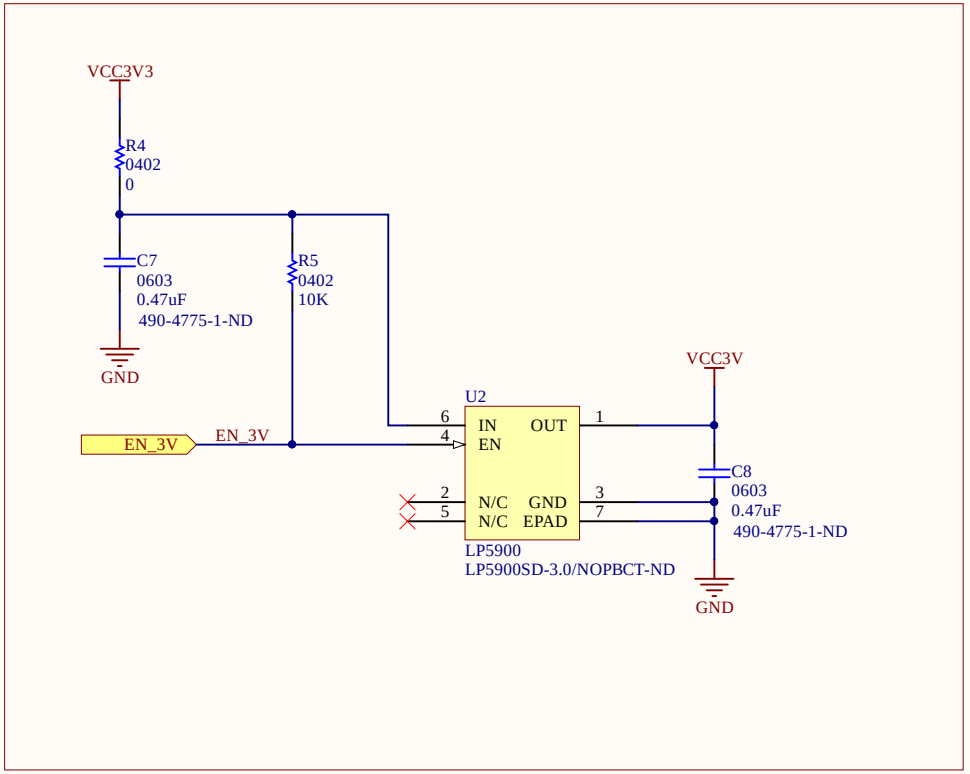

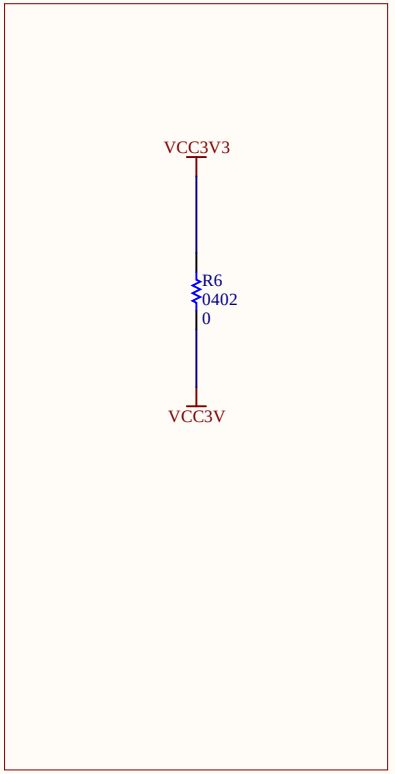

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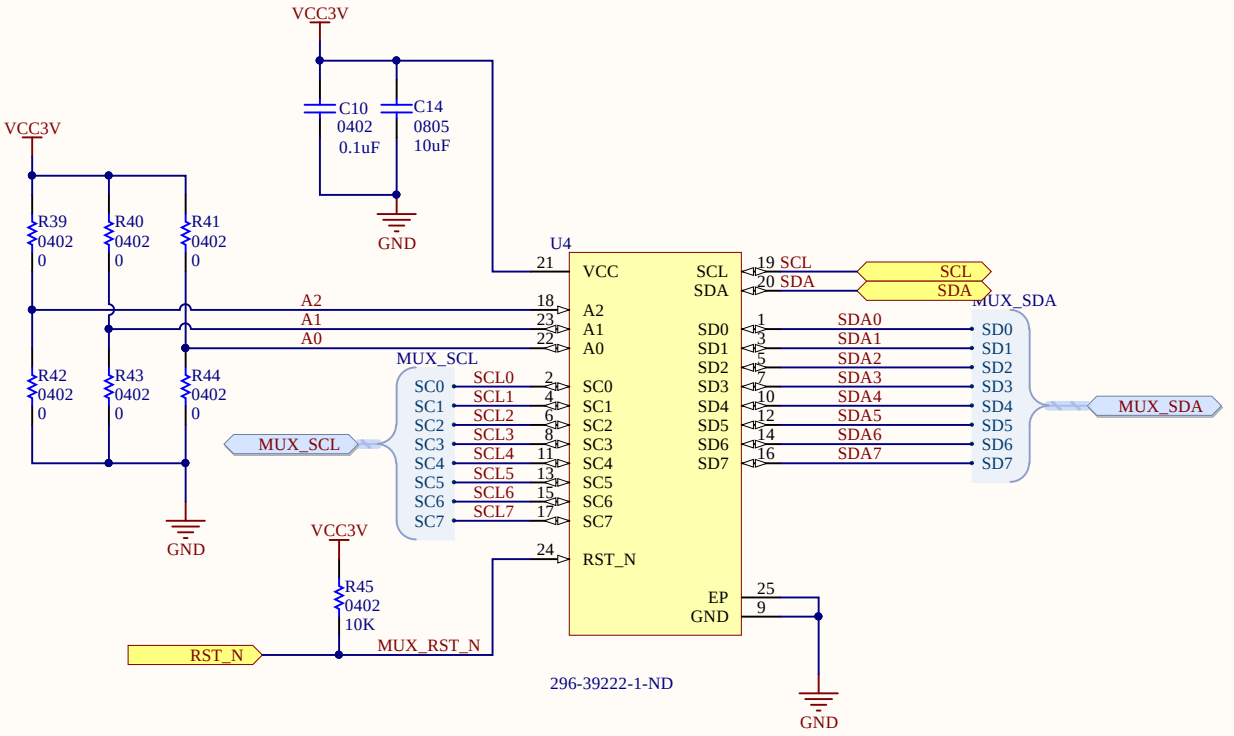

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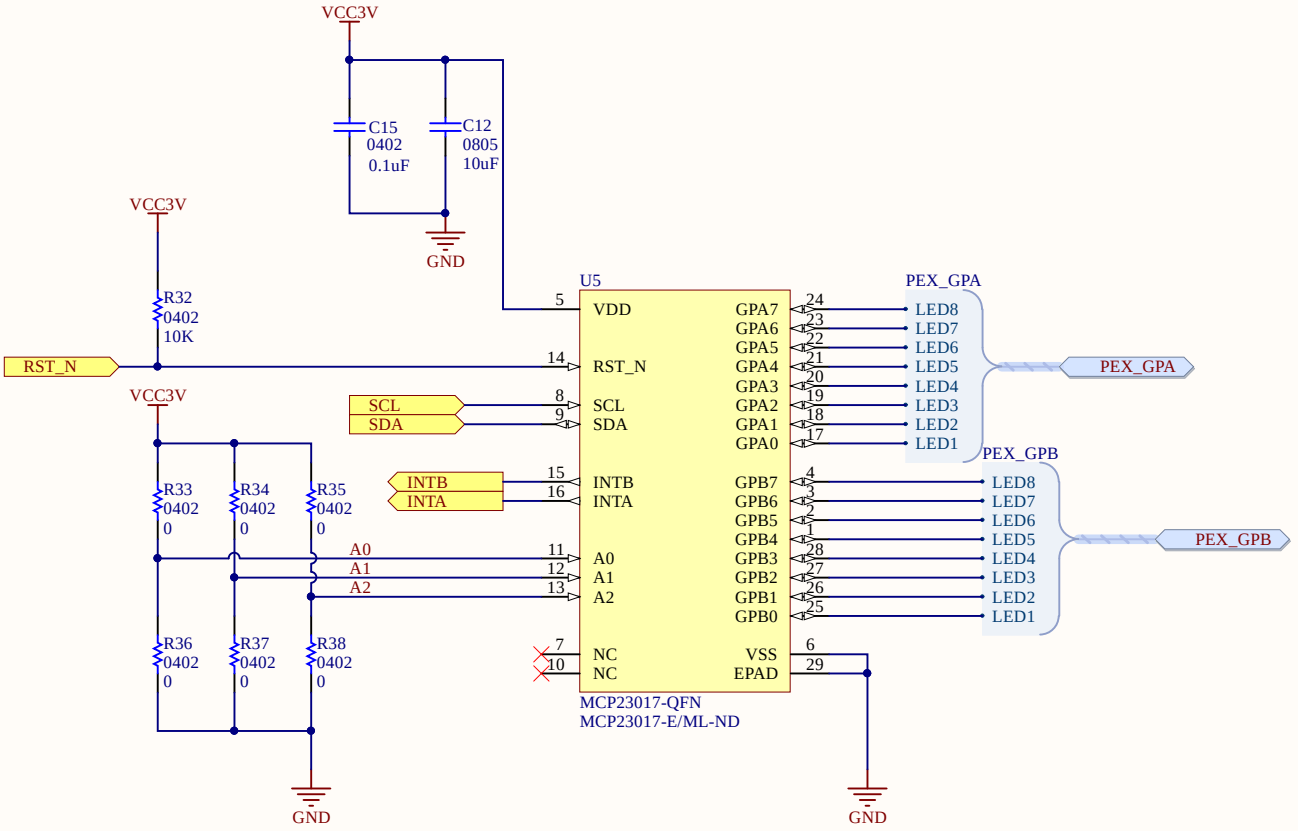

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Date: 2019-06-01		Sheet 5 of 8
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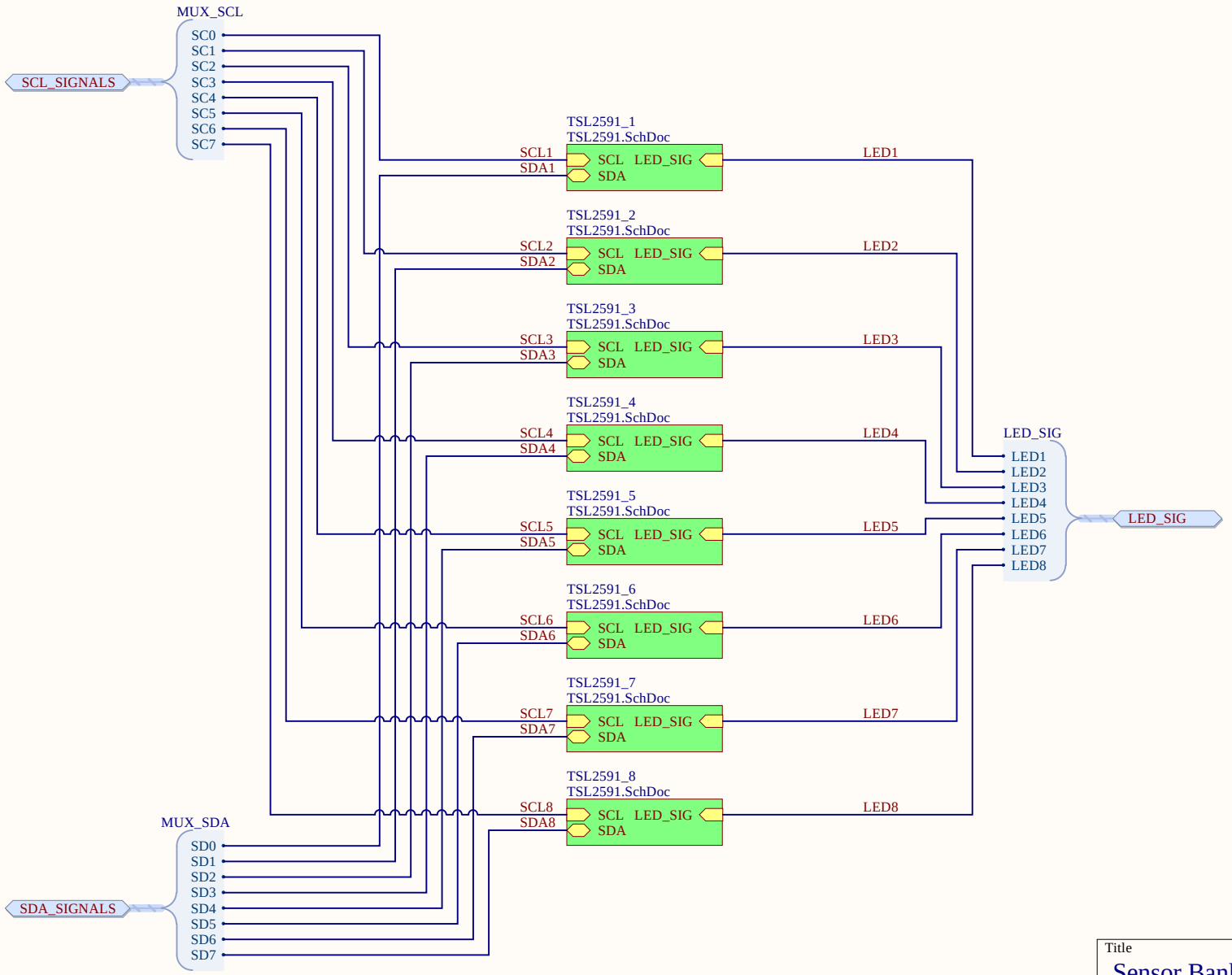

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Date: 2019-06-01	Sheet 6 of 8	
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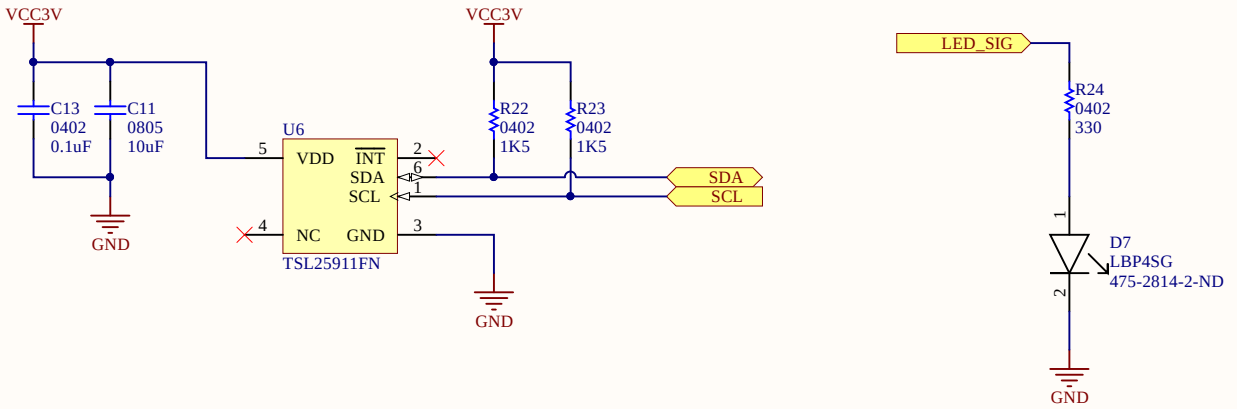

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Size: A4	Number: 7	Revision: 1.0
Date: 2019-06-01	Sheet 7 of 8	
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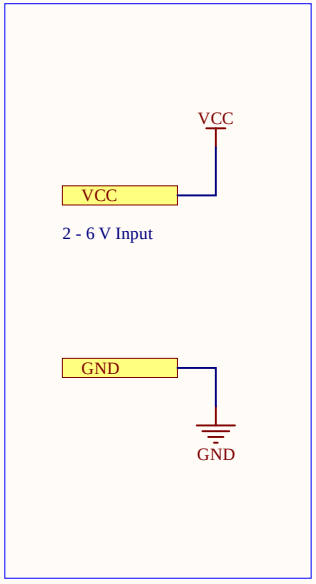

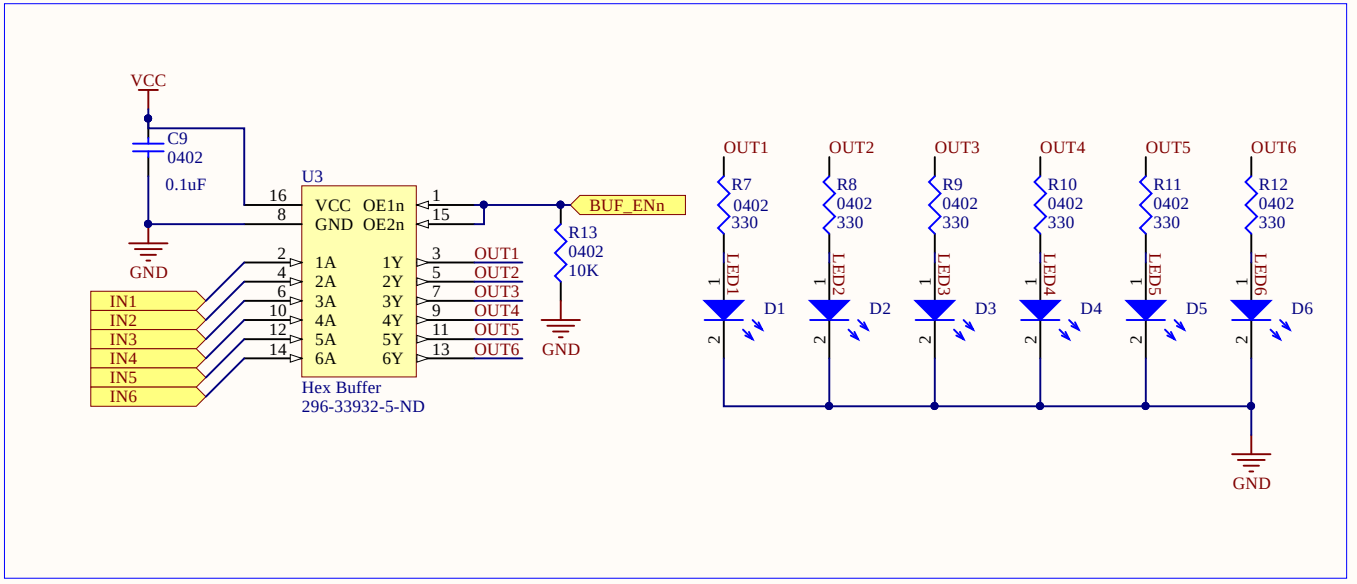

This schematic implements the SN74HC365PW non-inverting, tri-state hex buffer as an LED monitoring circuit. Connecting a signal to IN[1:6] will light up the corresponding LED on OUT[1:6].

- The BUF_ENn input can be connected to a mircocontroller to control the buffer. An input HIGH will set the outputs to high-impedance and disable the LEDs.
- In the schematic symbol which references this schematic sheet, parameters LED[1:6] can be added to specify the colour of each LED. See the micro-circuit common sheet for an example of this.
- Unconnected inputs should be grounded if you don't want random flickering of the LEDs.

Title: SN74HC365PW LED Monitoring		UTAT SS
Size: A4	Number: 8	Revision: 1.0
Date: 2019-06-01	Sheet 8 of 8	
File: C:\Users\..\led-monitoring-SN74HC365PW.SchDoc	Drawn By: Dylan Vogel	