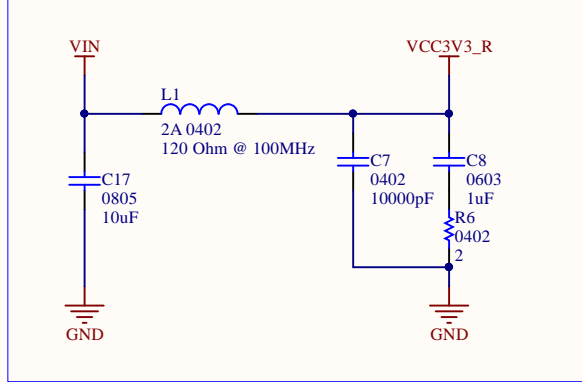
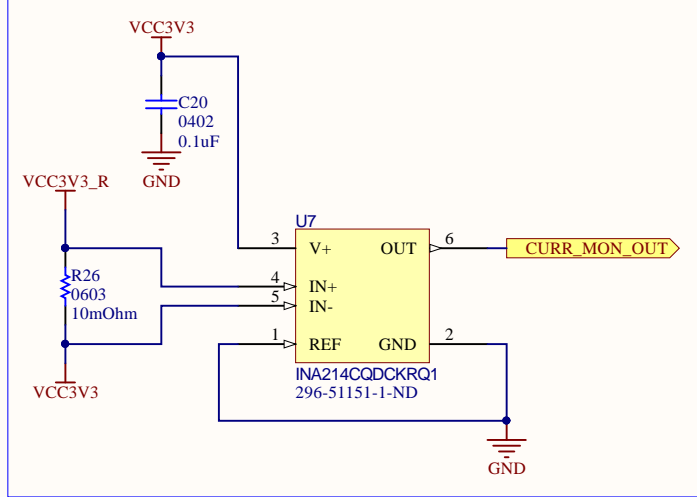


Title		
ATMEGA8A.SchDoc		
Size	Number	Revision
A4	2	3.2
Date:	2019-07-14	Sheet 2 of 8
File:	C:\Users\...\ATMEGA8A.SchDoc	Drawn By: Dylan Vogel

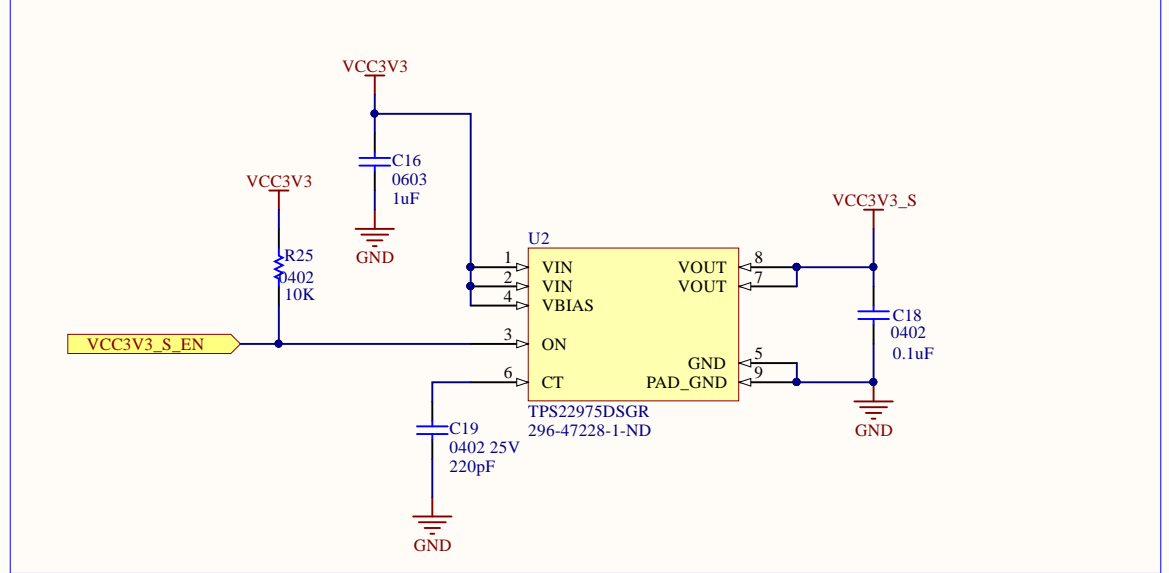
INPUT FILTERING



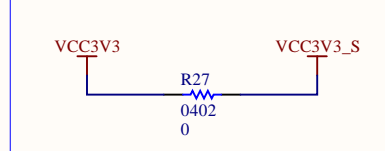
CURRENT MONITOR



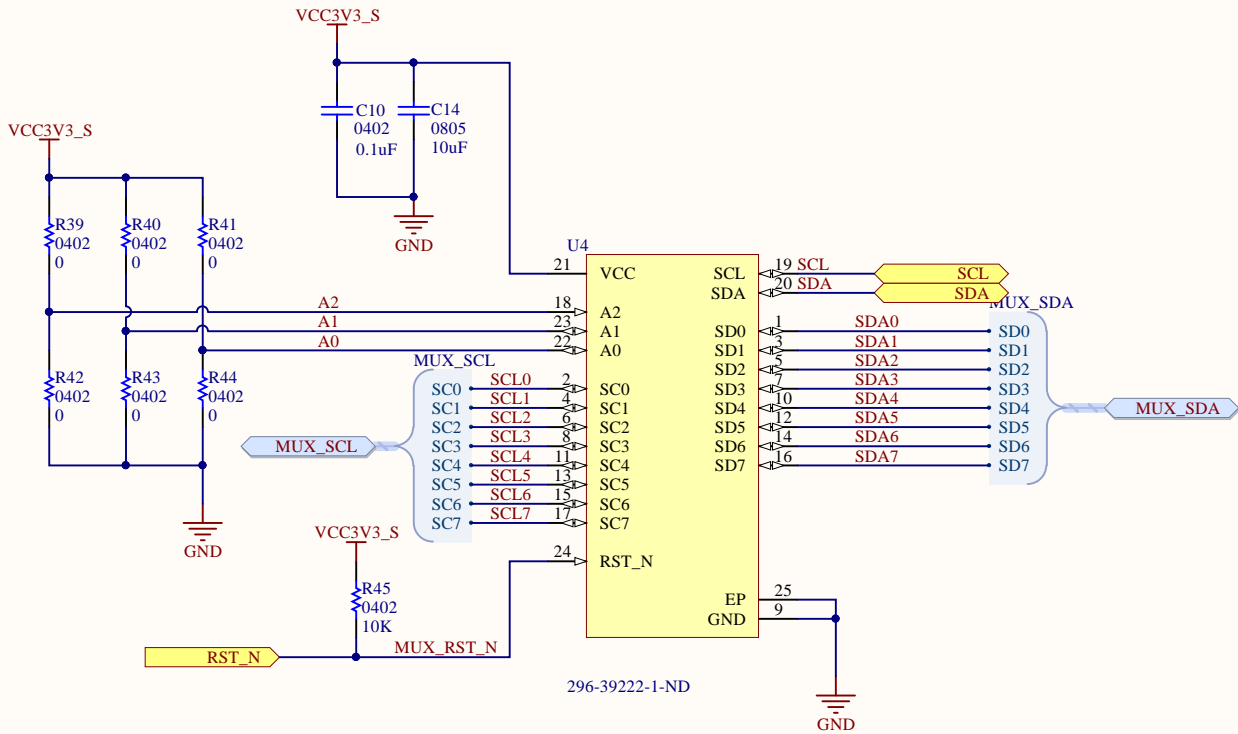
3V3 SENSOR SUPPLY SWITCH



EMERGENCY "I DON'T WANT ANY OF THIS NEWFANGLED SWITCH NONSENSE" SHUNT

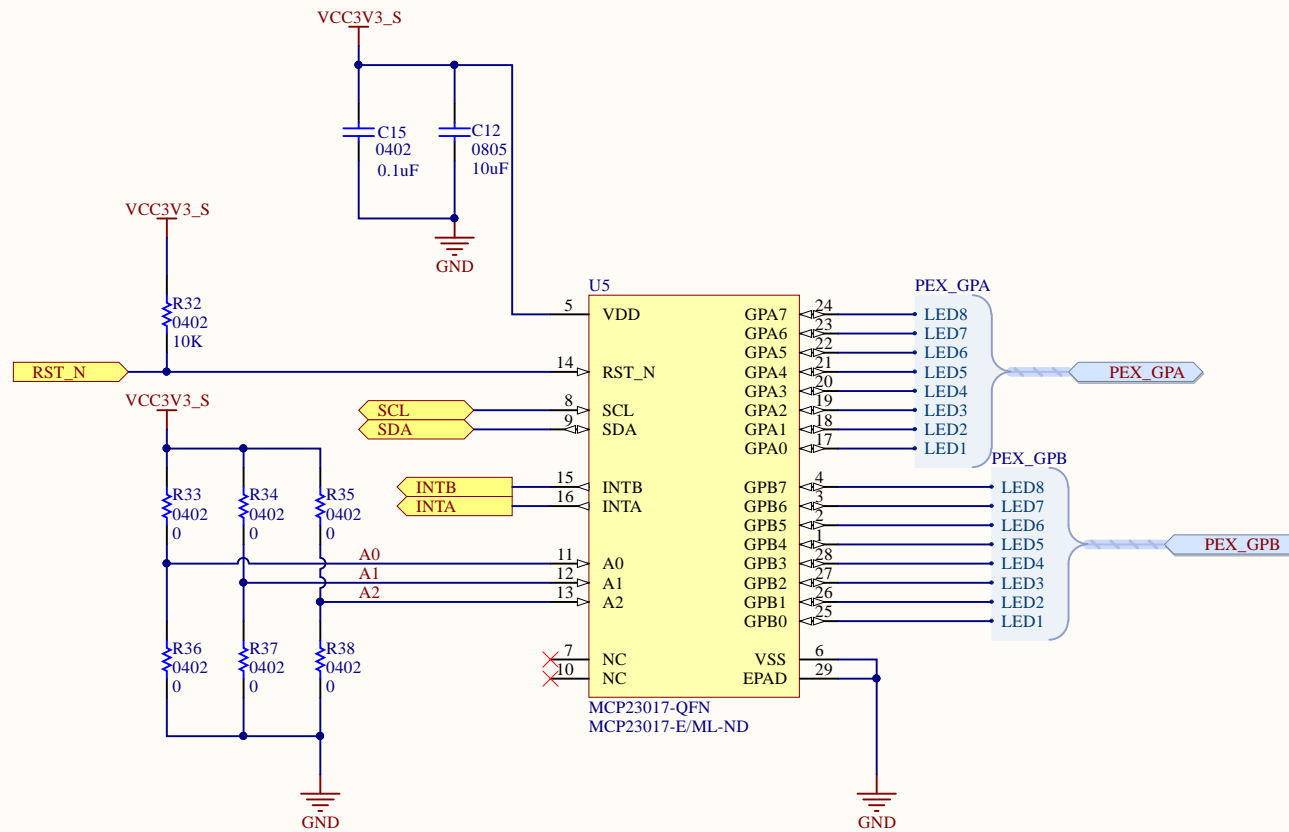


Title		
Power.SchDoc		
Size	Number	Revision
A4	3	3.2
Date:	2019-07-14	Sheet 3 of 8
File:	C:\Users\...\Power.SchDoc	Drawn By: Dylan Vogel



ADDRESS:

Title		
I2C Mux.SchDoc		
Size	Number	Revision
A4	4	3.2
Date:	2019-07-14	Sheet 4 of 8
File:	C:\Users\...\I2C Mux.SchDoc	Drawn By: Dylan Vogel



ADDRESS:

Title		
Port Expander.SchDoc		
Size	Number	Revision
A4	5	3.2
Date:	2019-07-14	Sheet 5 of 8
File:	C:\Users\...\Port Expander.SchDoc	Drawn By: Dylan Vogel

A

B

C

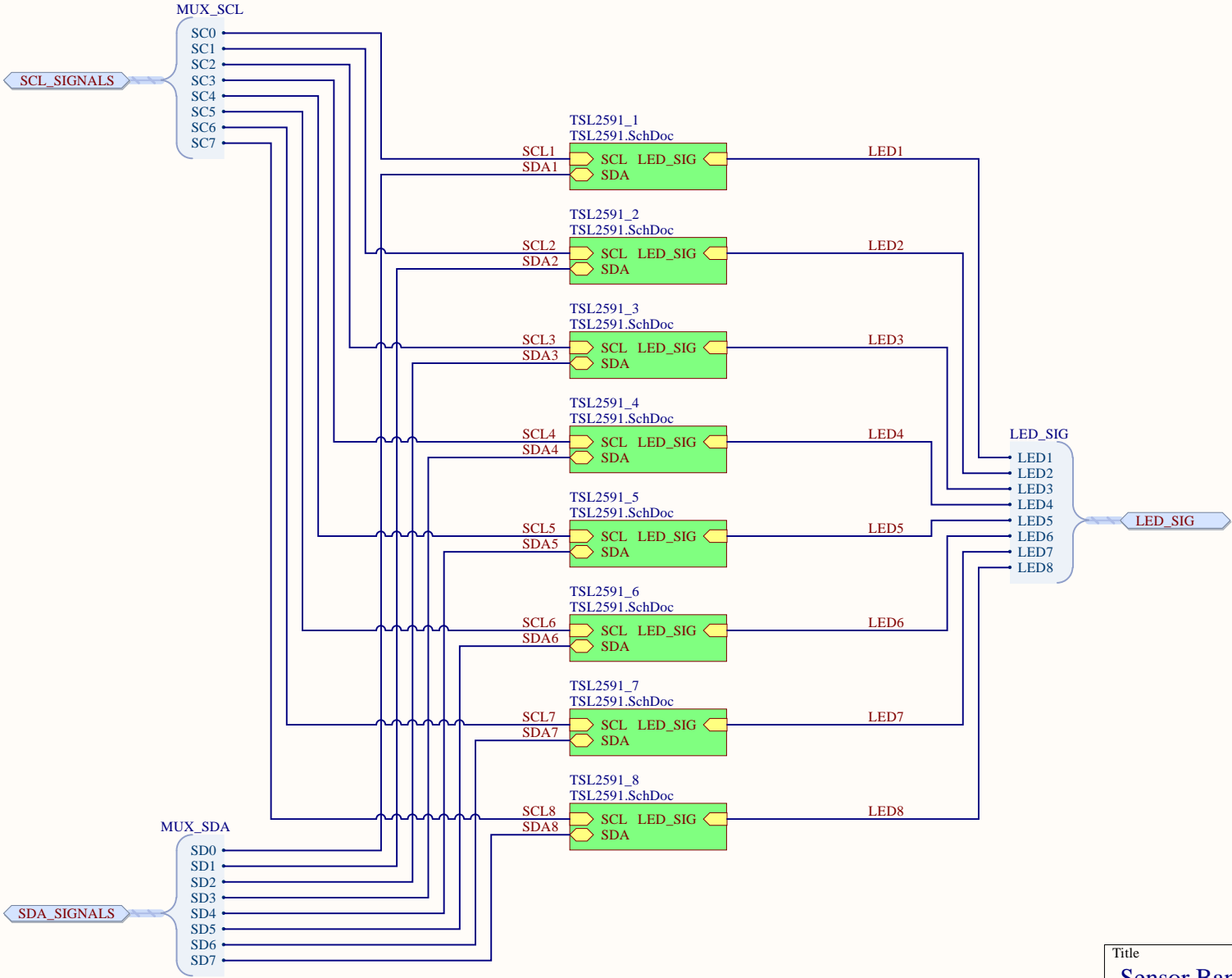
D

A

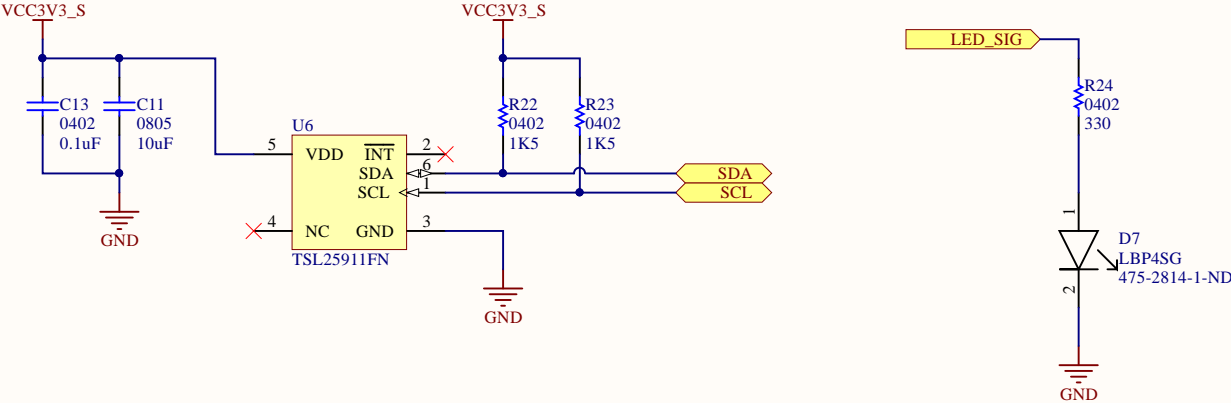
B

C

D

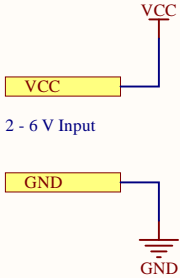


Title		
Sensor Bank.SchDoc		
Size	Number	Revision
A4	6	3.2
Date:	2019-07-14	Sheet 6 of 8
File:	C:\Users\...\Sensor Bank.SchDoc	Drawn By: Dylan Vogel

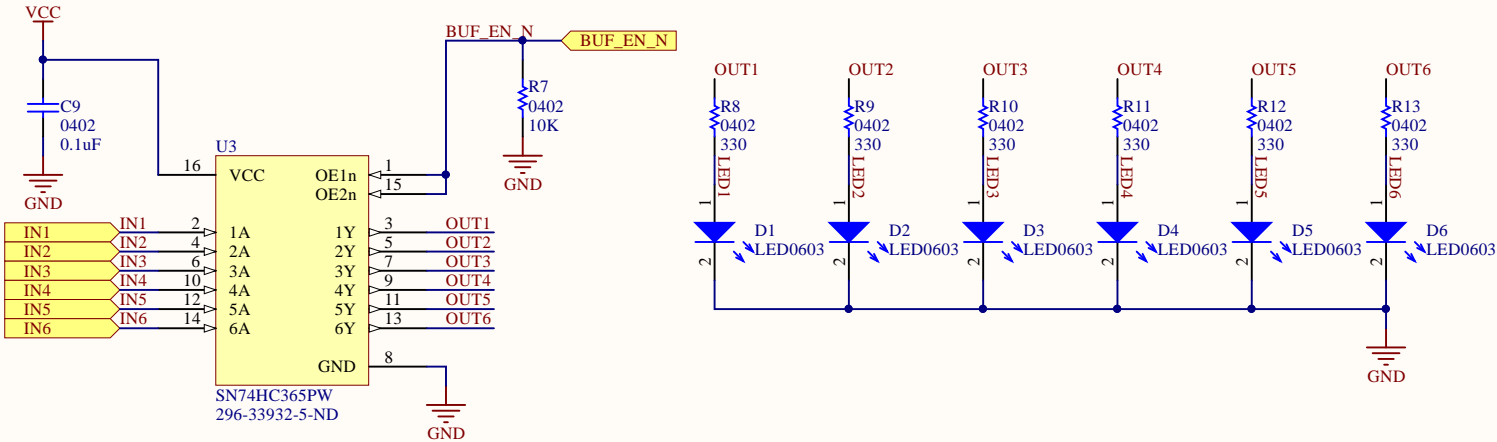


Title			
TSL2591.SchDoc			
Size	Number	Revision	
A4	7	3.2	
Date:	2019-07-14	Sheet	7 of 8
File:	C:\Users\...\\TSL2591.SchDoc	Drawn By:	Dylan Vogel

INPUT POWER



LED BUFFER



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_EN_N input can be connected to a microcontroller 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		
led-monitoring-SN74HC365PW.SchDoc		UTAT SS
Size	Number	Revision
A4	PCBS-COMMON	1.1
Date:	2019-07-14	Sheet * of *
File:	C:\Users\...led-monitoring-SN74HC365PW.SchDoc	Drawn By: Dylan Vogel