

Title			
Science Board CAN			
Size	Number		Revision
A4			*
Date:	02/10/19	Sheet *	of *
File:	C:\Users\...\can.SchDoc	Drawn By:*	

A

B

C

D

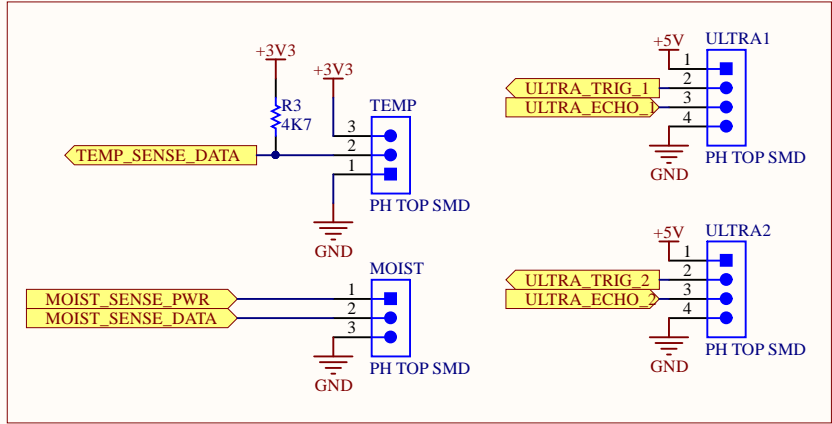
A

B

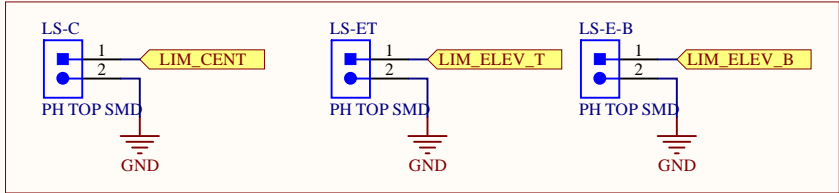
C

D

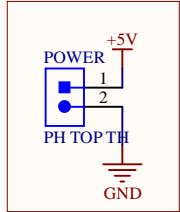
Sensors



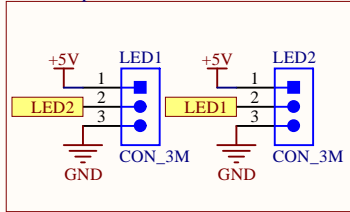
Limit switches



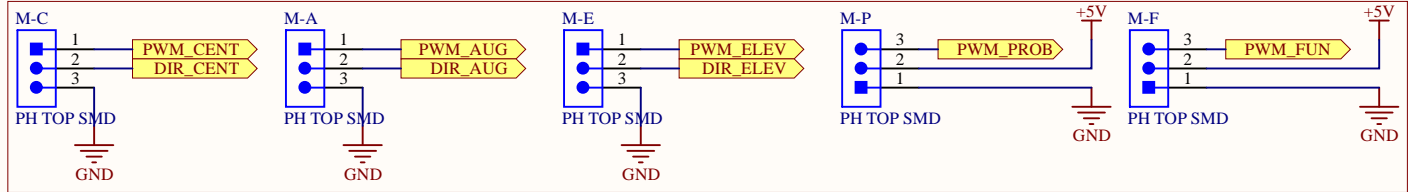
Power



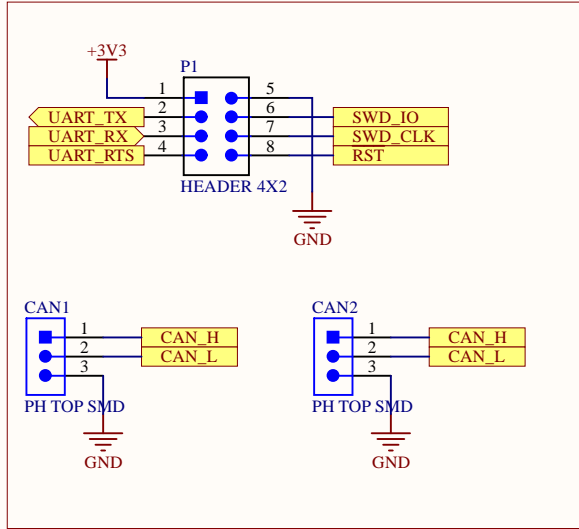
LED Strips



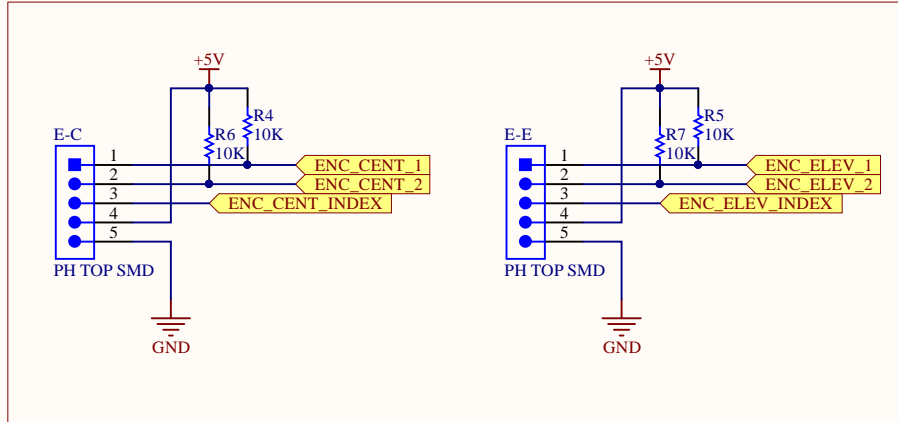
Motors



Communication



Encoders

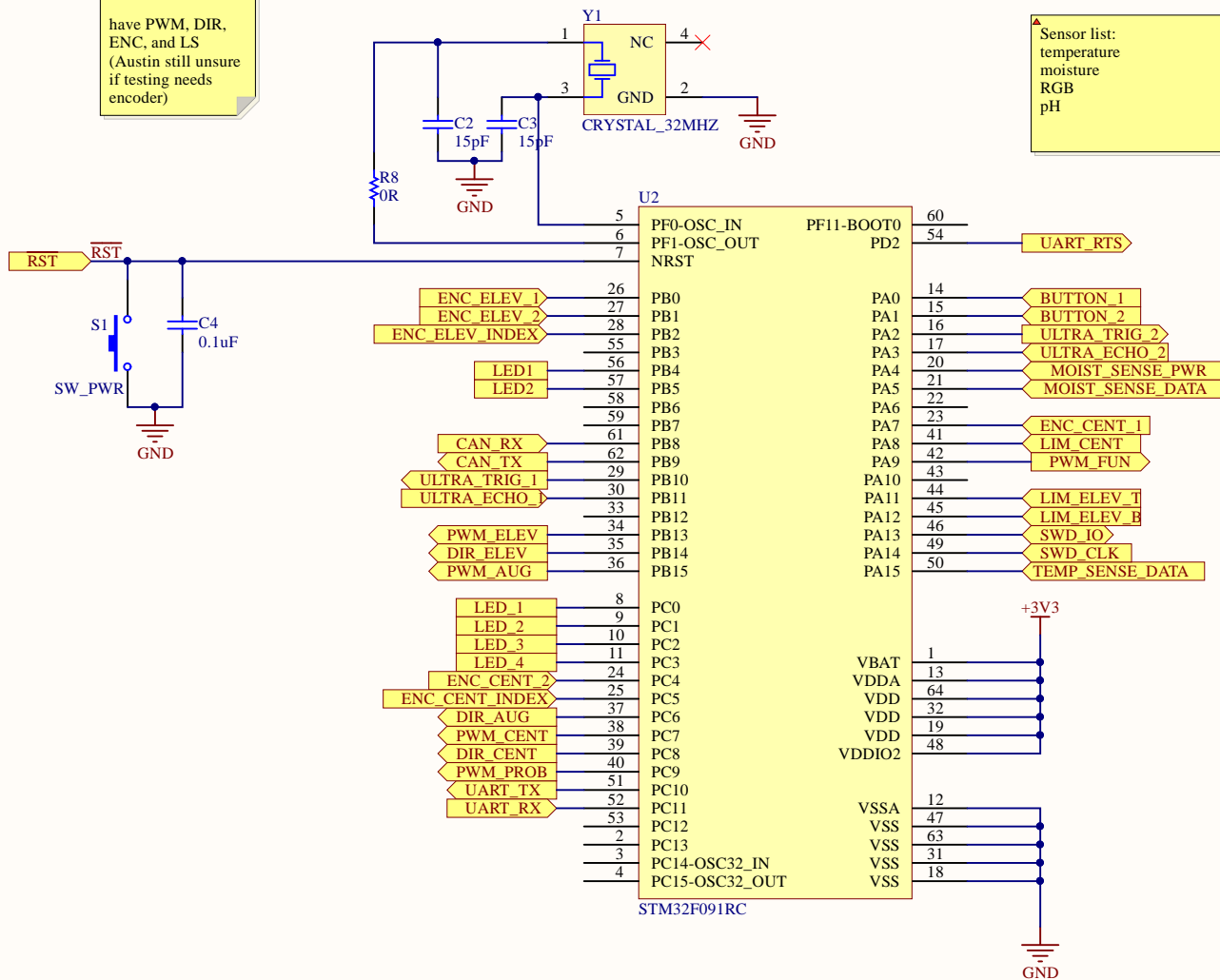


Title		
Science Board Connectors		
Size	Number	Revision
A4		*
Date:	02/10/19	Sheet * of *
File:	C:\Users\...\connectors.SchDoc	Drawn By:Adrianna Ascalon

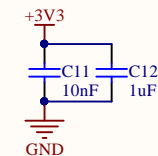
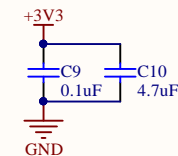
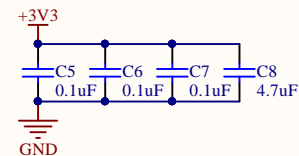
▲ motors:
testing
elevator
auger

have PWM, DIR,
ENC, and LS
(Austin still unsure
if testing needs
encoder)

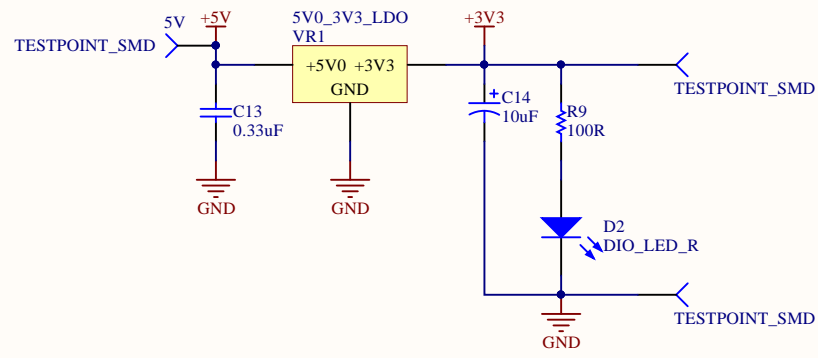
▲ Sensor list:
temperature
moisture
RGB
pH



▲ moisture sensor powered with
digital pin set to HIGH every time
a reading needs to be taken; this
will apparently extend its lifespan

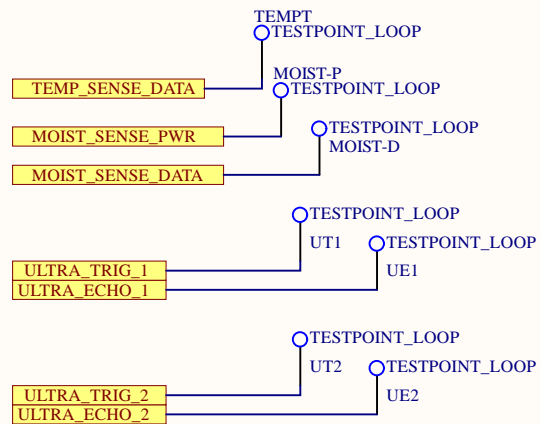


Title			
Science Board MCU			
Size	Number		Revision
A4			*
Date:	02/10/19	Sheet *	of *
File:	C:\Users\...\mcu.SchDoc	Drawn By: Adrianna Ascalon	

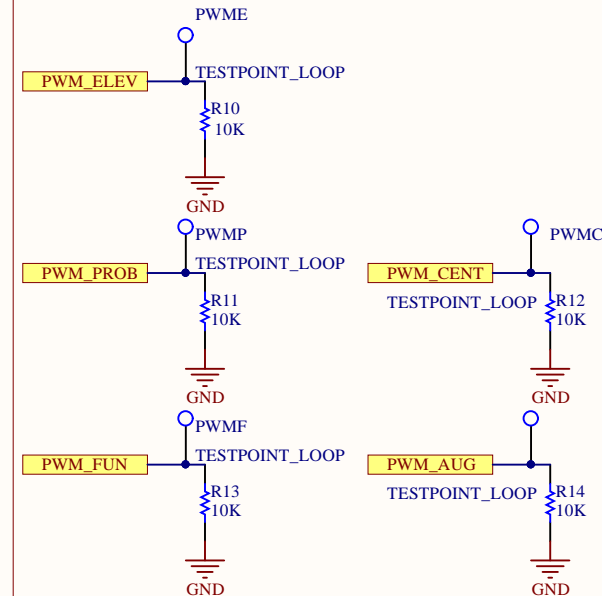


Title			
Power			
Size	Number		Revision
A4			*
Date:	02/10/19	Sheet	* of *
File:	C:\Users\...\power.SchDoc	Drawn By:	Adrianna Ascalon

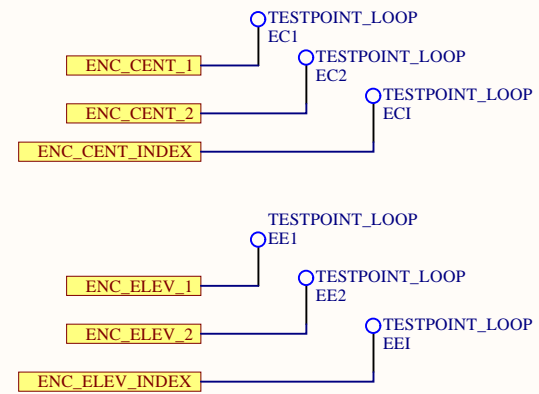
Testpoints



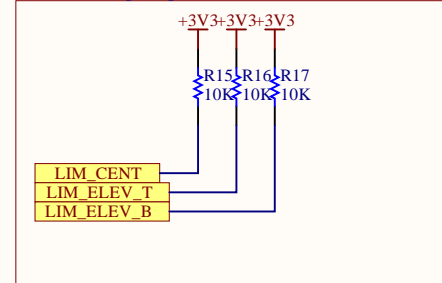
PWM



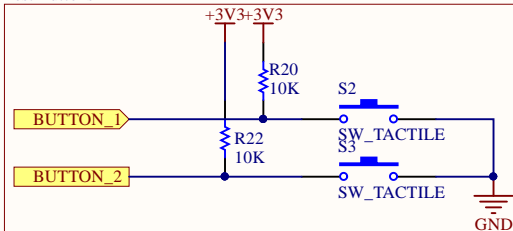
Encoders



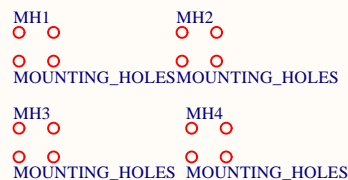
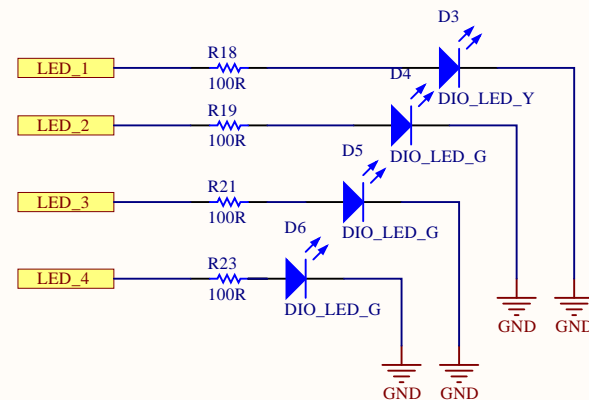
Limit switch pullups



Test Buttons



Test LEDs



Title		
Support		
Size	Number	Revision
A4		*
Date:	02/10/19	Sheet * of *
File:	C:\Users\...\support.SchDoc	Drawn By:Adrianna Ascalon