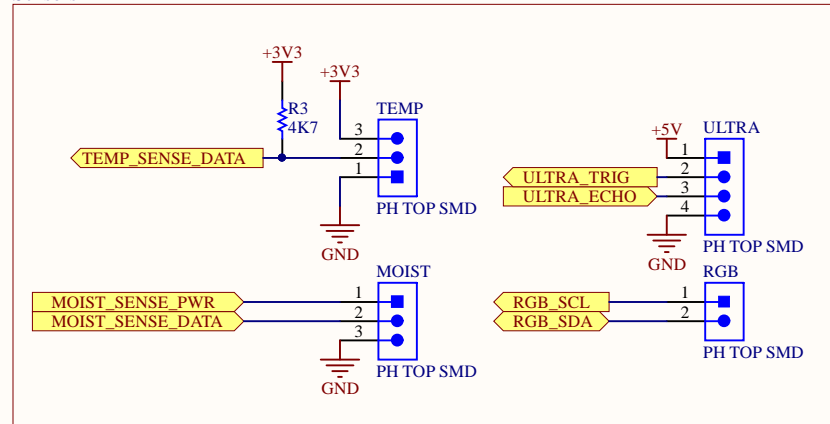
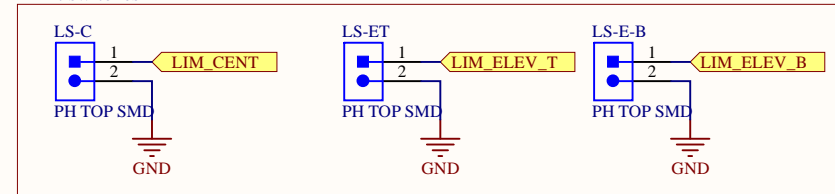


Title			
Science Board CAN			
Size	Number		Revision
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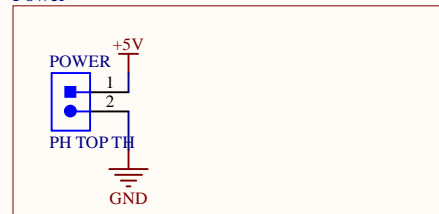
Sensors



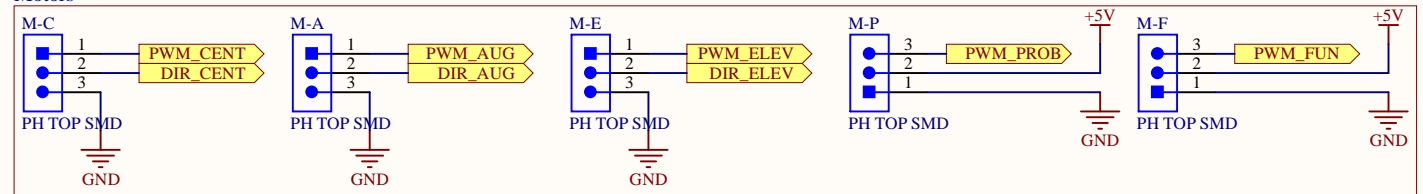
Limit switches



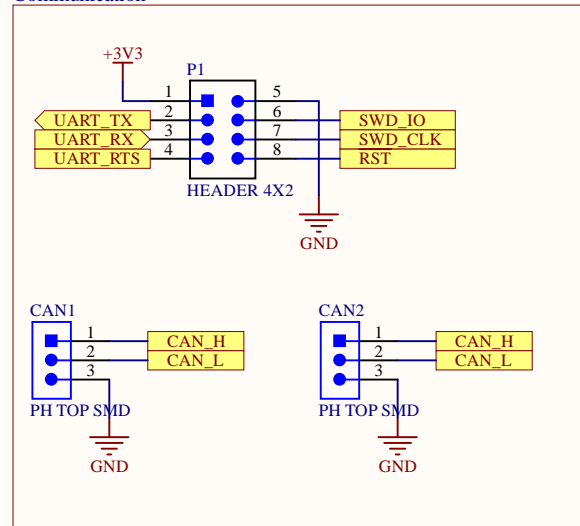
Power



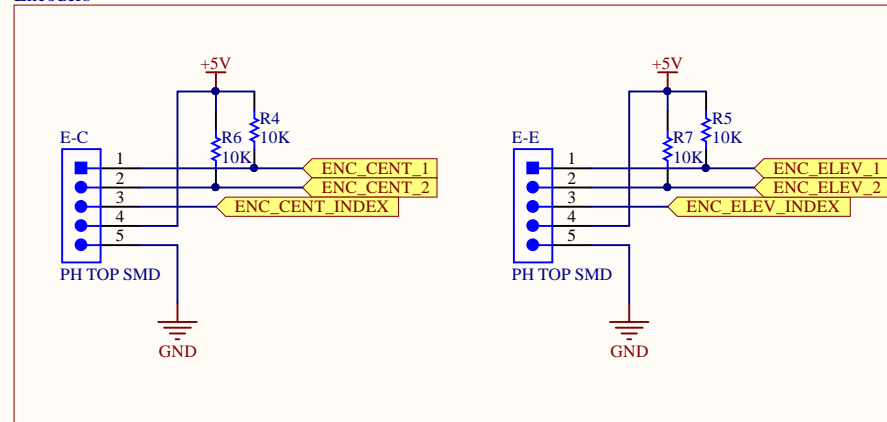
Motors



Communication



Encoders



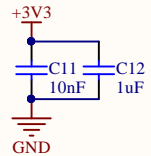
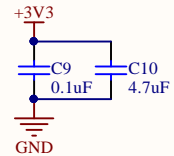
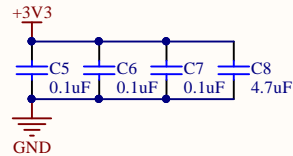
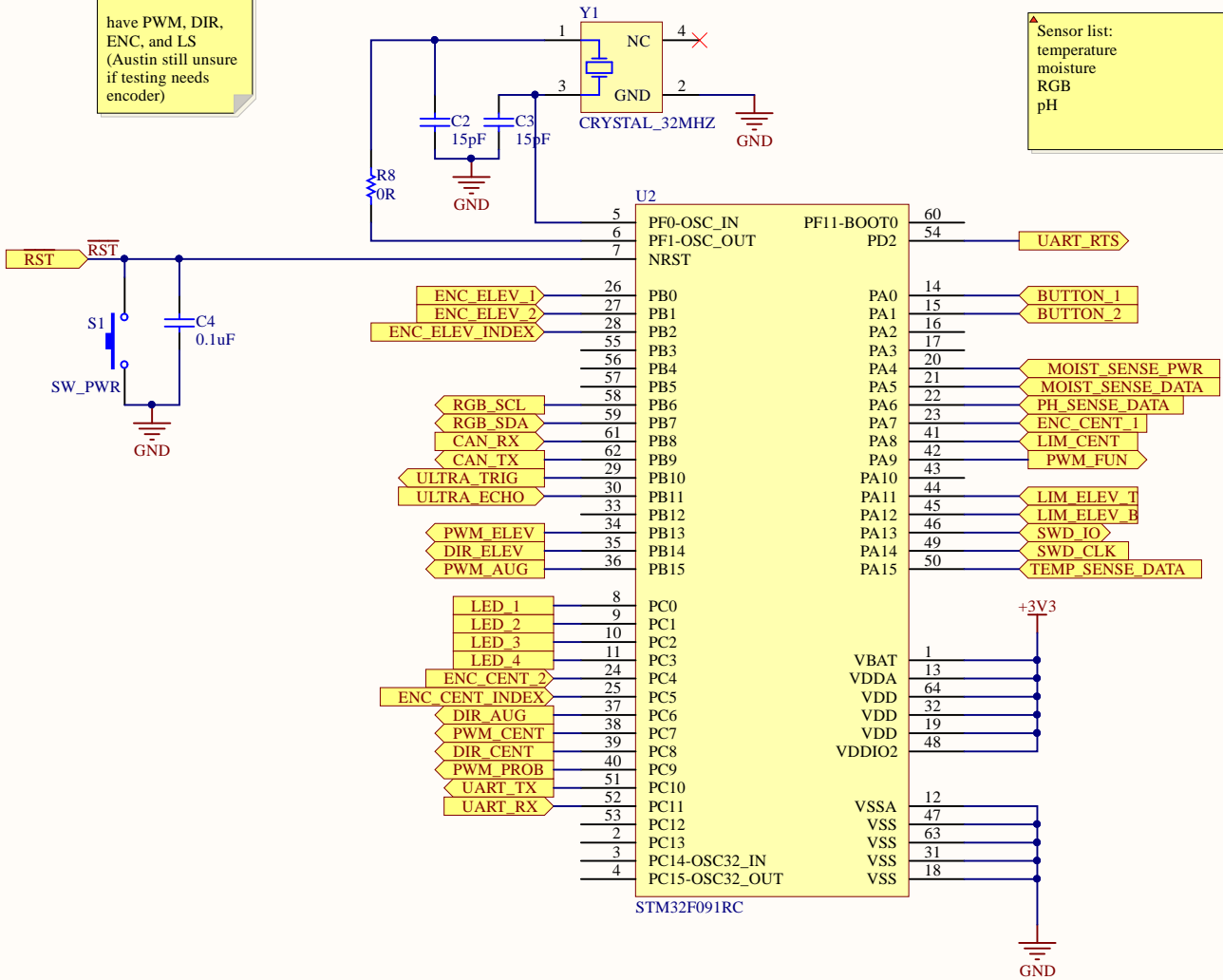
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Science Board Connectors		
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▲ motors:
testing
elevator
auger

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

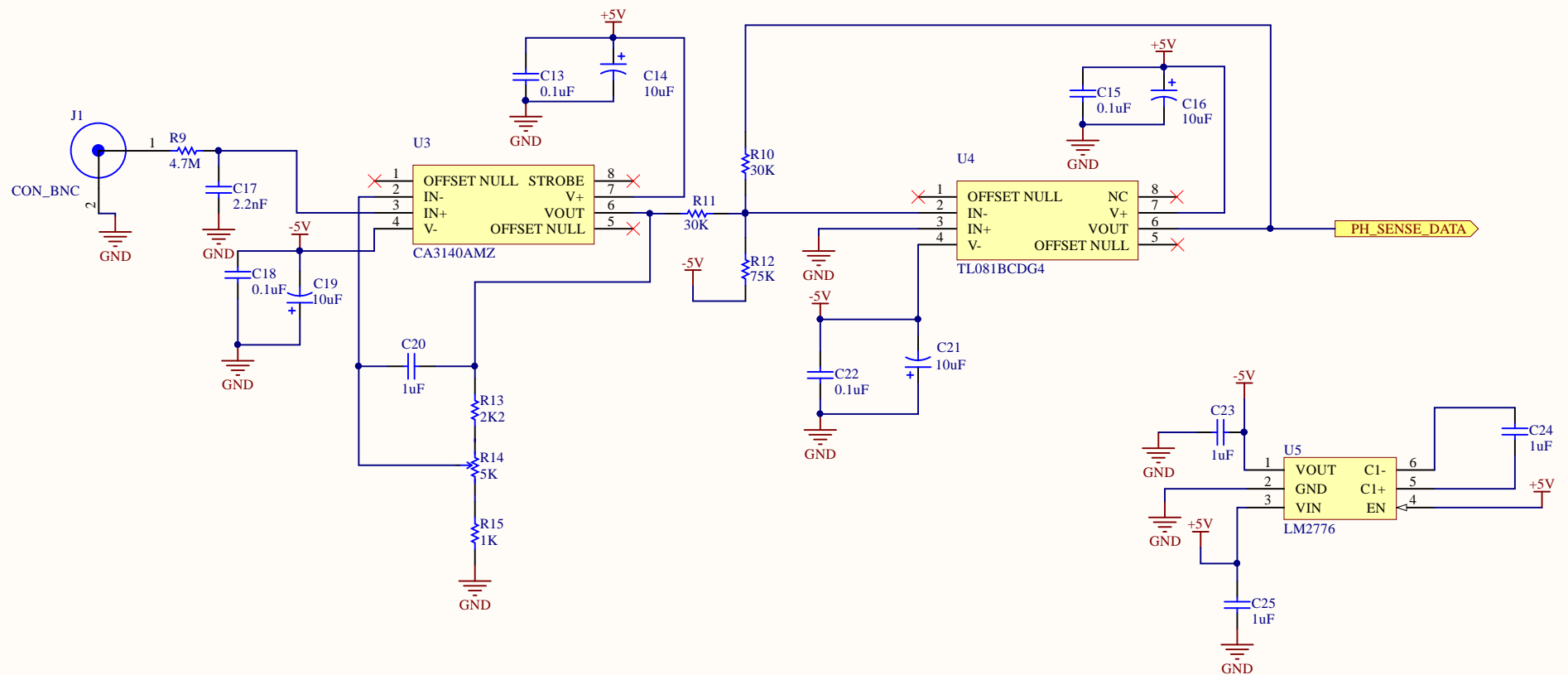
▲ Sensor list:
temperature
moisture
RGB
pH

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

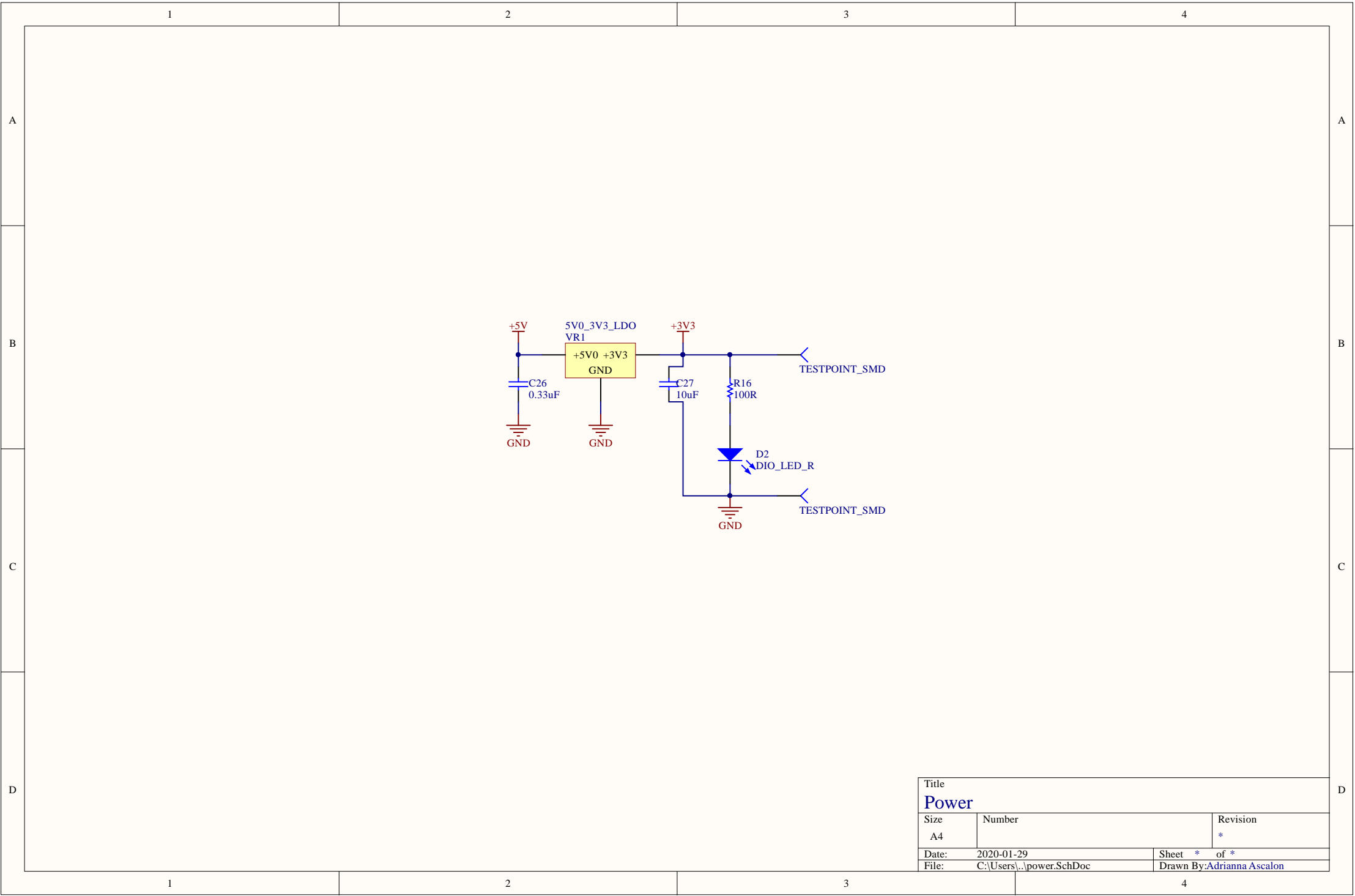


Title		
Science Board MCU		
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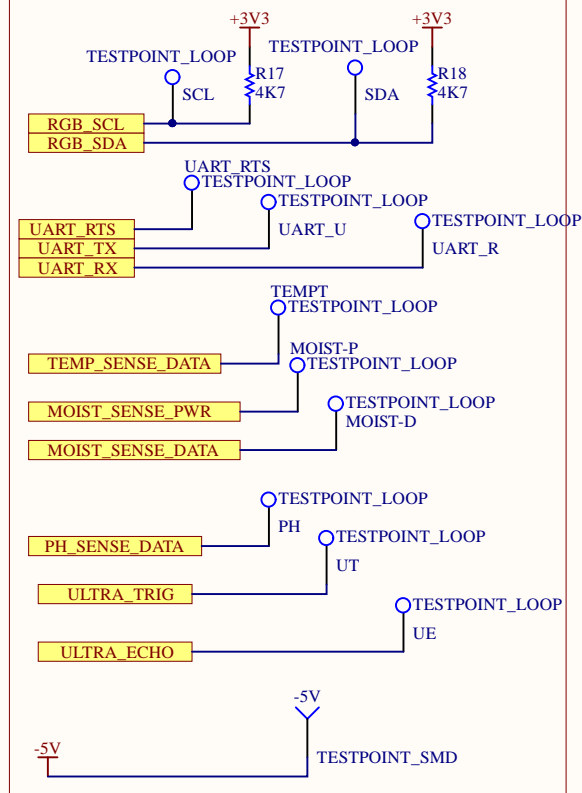
This is a replica of the signal conditioning circuit on the breakout board of the DFRobot SEN0249



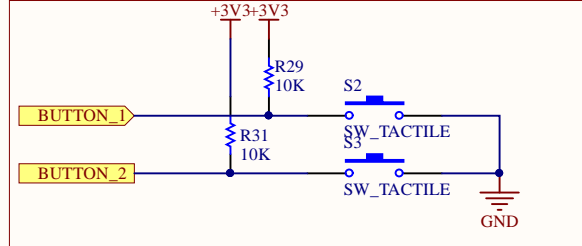
Title			
Science Board pH Sensing			
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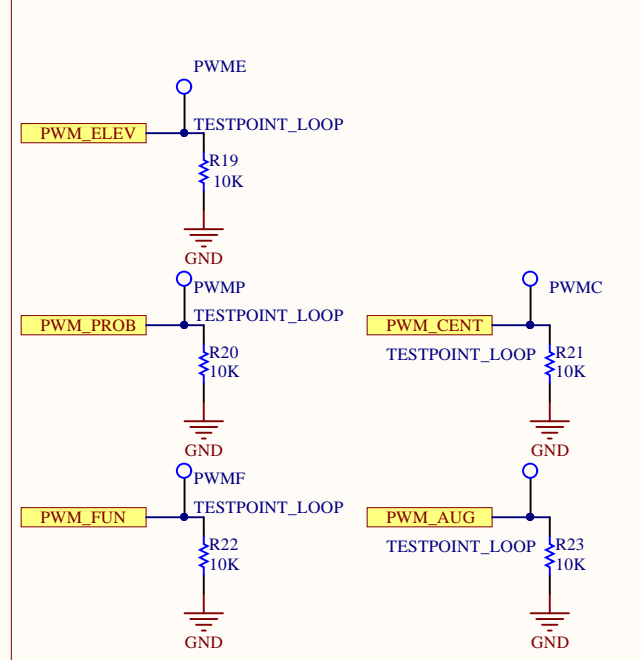
Testpoints



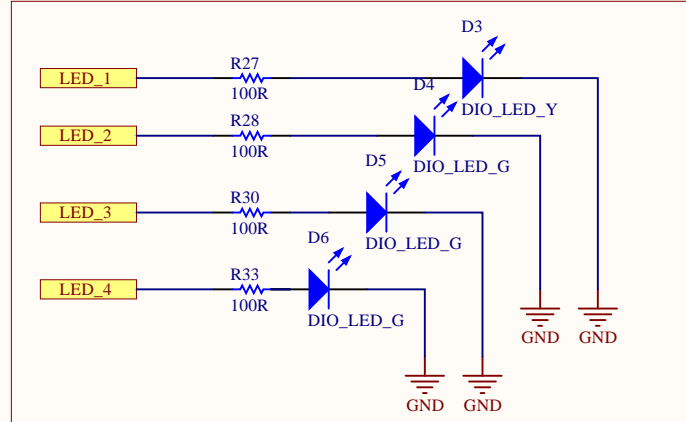
Test Buttons



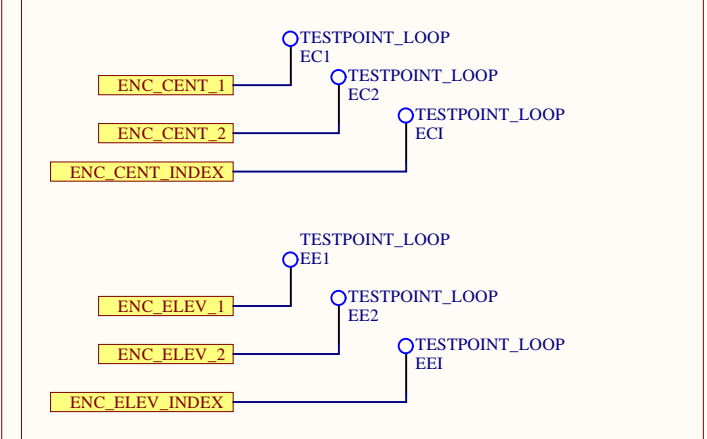
PWM



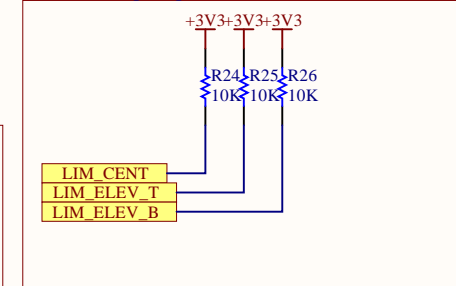
Test LEDs



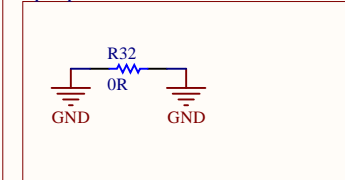
Encoders



Limit switch pullups



Split plane connection



MH1
○
MOUNTING_HOLES

MH2
○
MOUNTING_HOLES

MH3
○
MOUNTING_HOLES

MH4
○
MOUNTING_HOLES

Title		
Support		
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