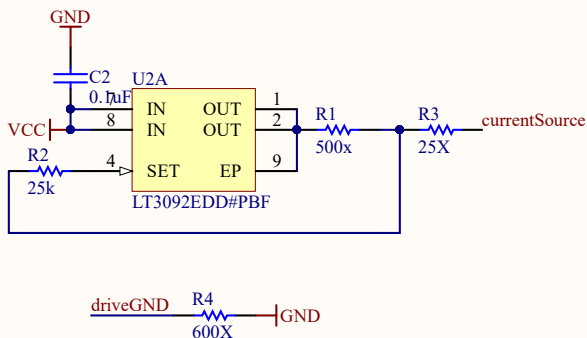
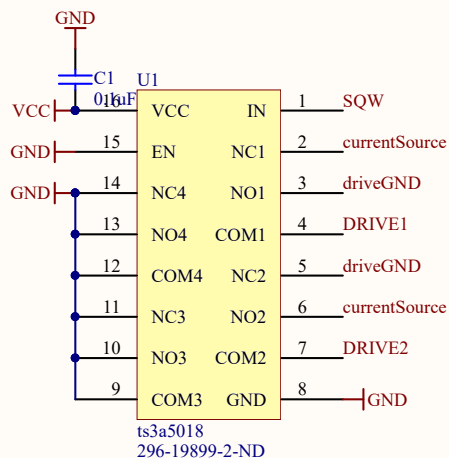


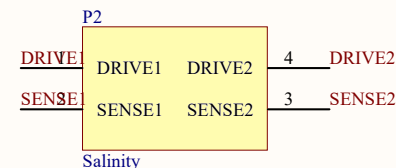
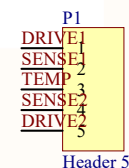
50 mA constant current source  
Resistors should be high precision, low TCR; Vishay PLT series  
Create guard ring around SET and tie to OUT



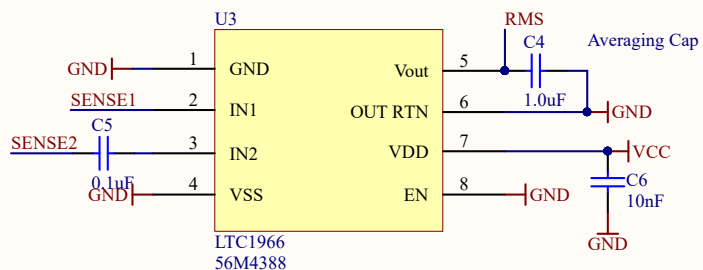
SPDT switch; switches current between drive pins



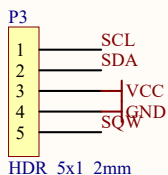
-Check Temperature pads layout  
- Check LTC1966 pads  
- Check LTC pads



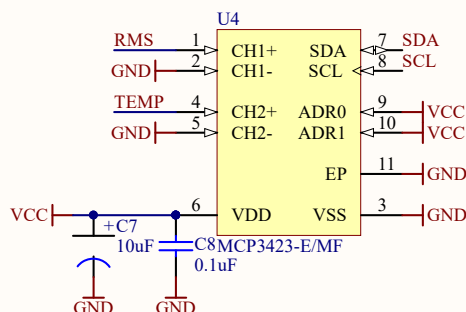
RMS to DC converter for sense electrodes



Not sure will need DC blocking cap on Sense2

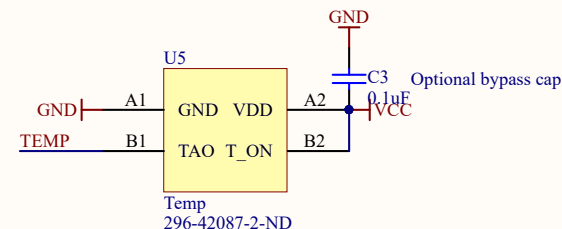


2 Channel ADC  
I2C address 0x6E

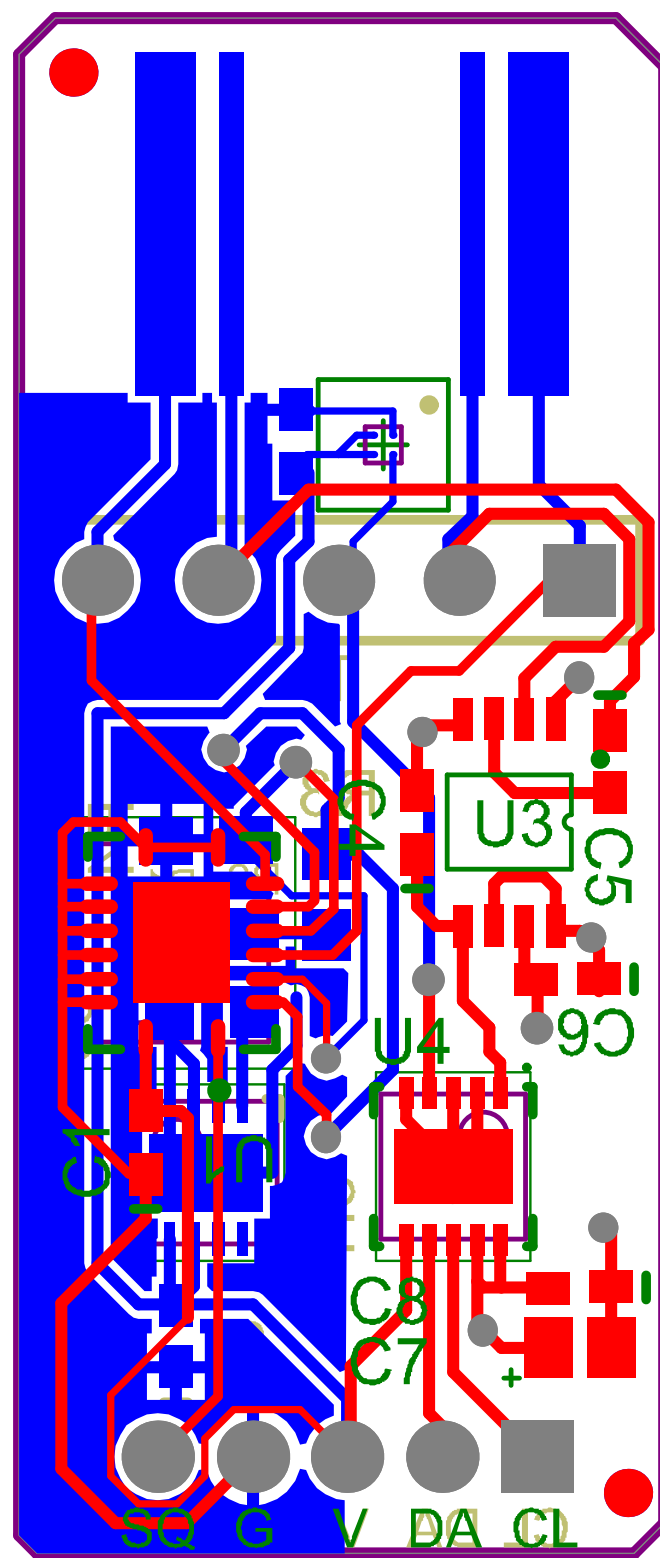


List of I2C addresses  
#define MCP342X\_A0GND\_A1GND 0x68  
#define MCP342X\_A0GND\_A1FLT 0x69  
#define MCP342X\_A0GND\_A1VCC 0x6A  
#define MCP342X\_A0FLT\_A1GND 0x6B  
#define MCP342X\_A0VCC\_A1GND 0x6C  
#define MCP342X\_A0VCC\_A1FLT 0x6D  
#define MCP342X\_A0VCC\_A1VCC 0x6E  
#define MCP342X\_A0FLT\_A1VCC 0x6F

Temperature sensor +/-0.05C



Title			
Salinity sensor			
Size	Number	Revision	
A	Loggerhead Instruments	1.0	
Date:	11/6/2017	Sheet 1 of	1
File:	C:\w\salinity.SchDoc	Drawn By:	D. Mann



Boards