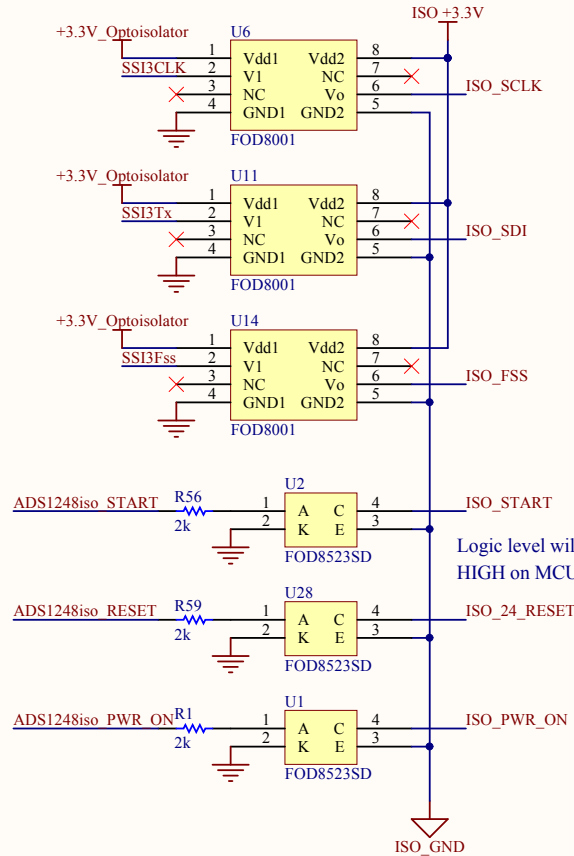
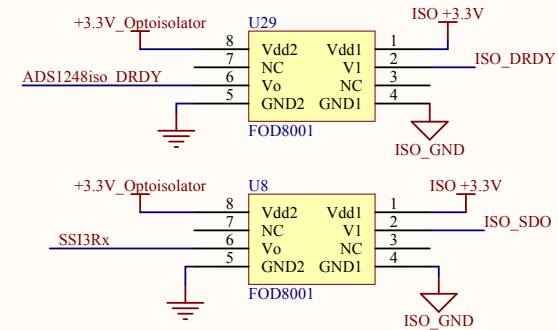


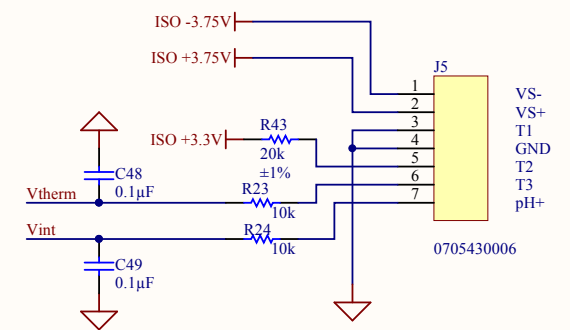
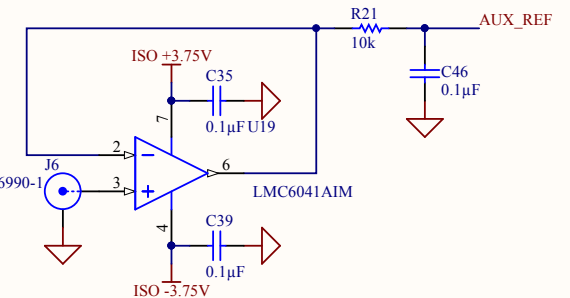
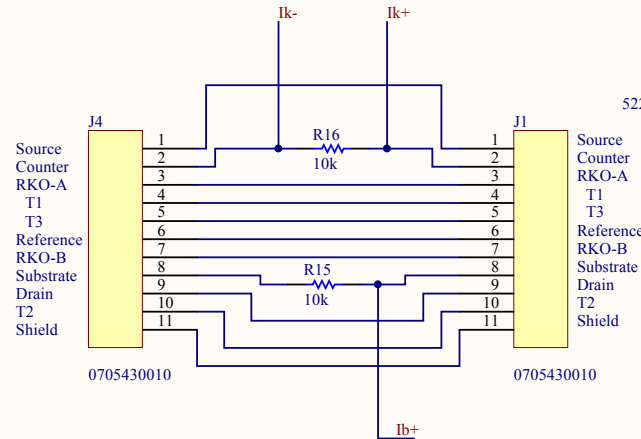
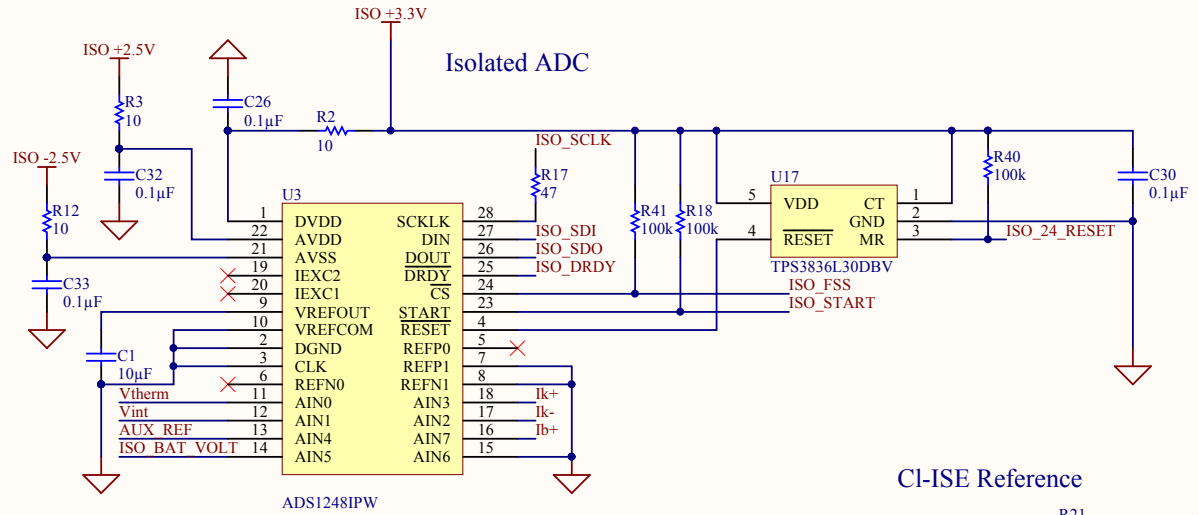
Signal to ADS1248_ISO



Signal from ADS1248_ISO



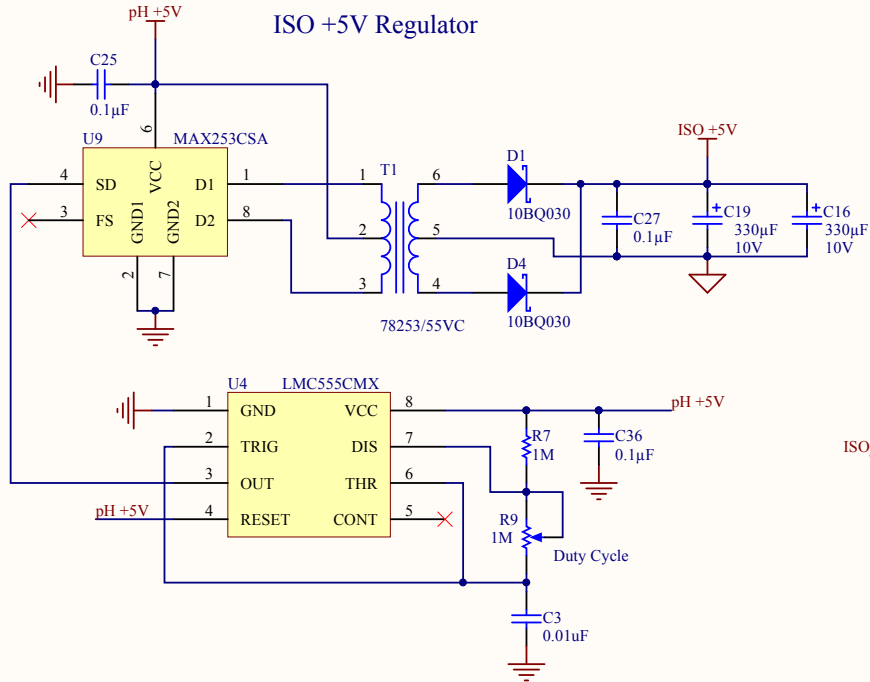
Isolated Circuits



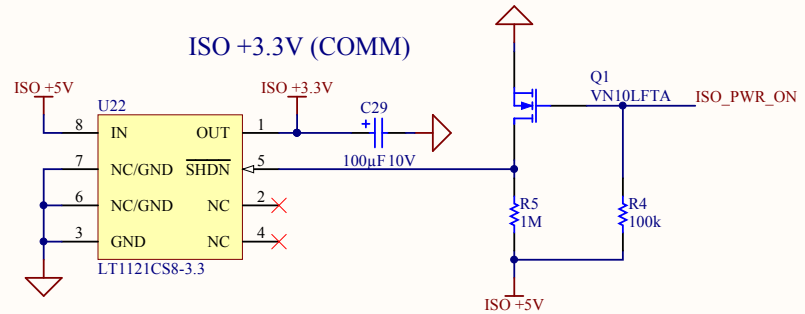
Title <i>SeapHOx ARM Controller</i>			<i>Martz Lab, 858-534-0573</i> <i>trmartz@ucsd.edu</i> <i>Geosciences Research Division</i> <i>Scripps Institution of Oceanography</i> <i>University of California, San Diego</i>	Cannot open file C:\Users\Martz lab\Desktop\we b_color.png
Size: <i>Letter</i>	Number: <i>1</i>	Revision: <i>E</i>		
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Isolated Power Circuits

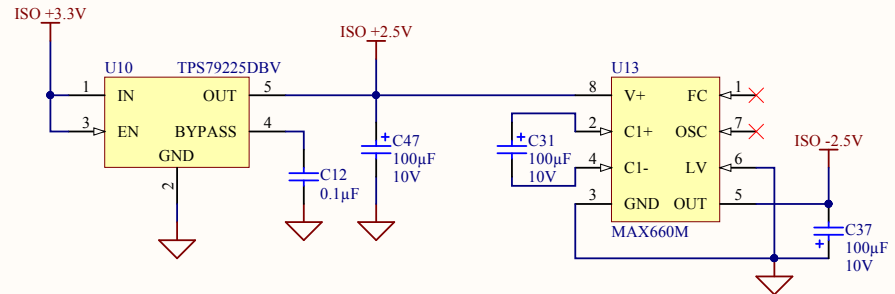
ISO +5V Regulator



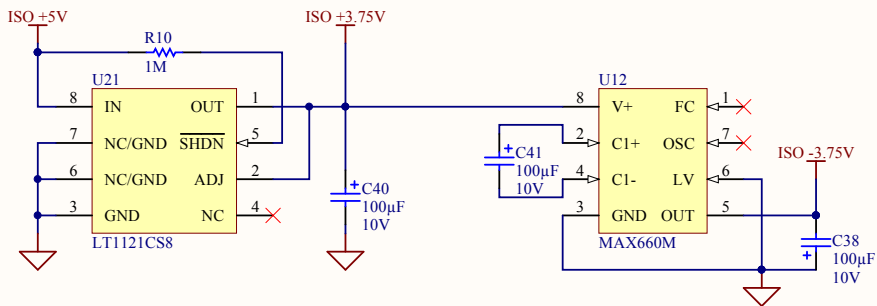
ISO +3.3V (COMM)



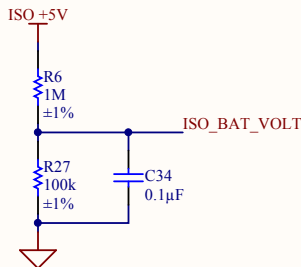
ISO ±2.5V (For ADS1248)



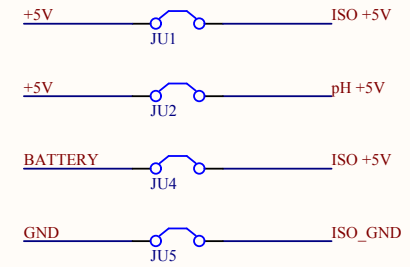
ISO ±3.75V(Durafet)



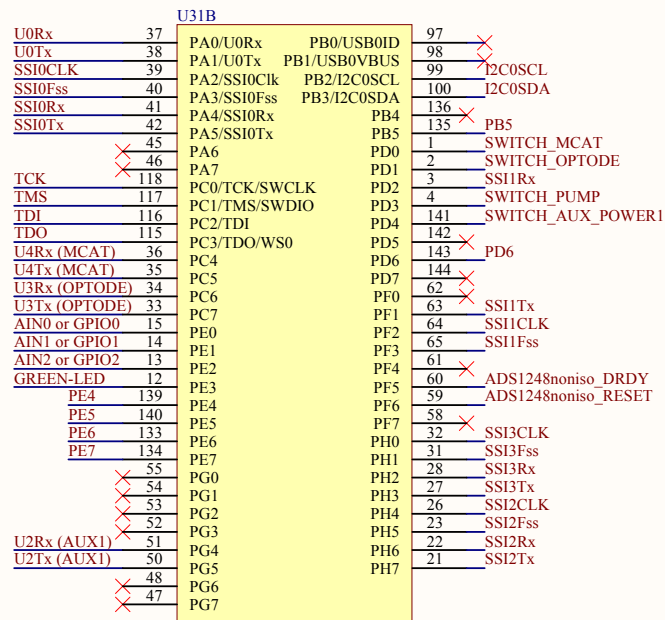
ISO-Batt Voltage Divider



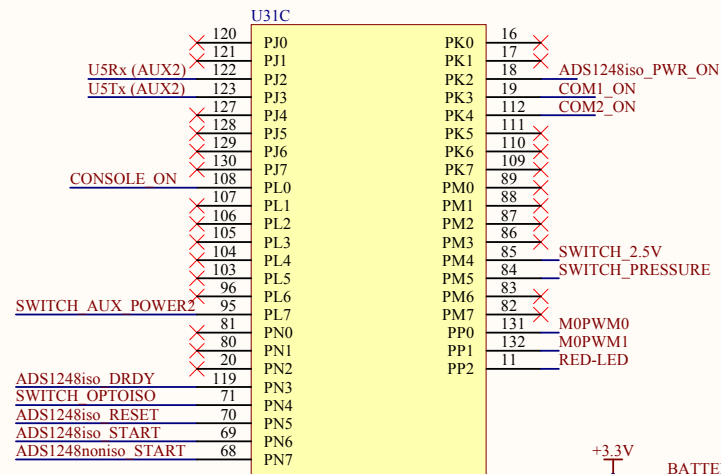
Power Jumpers



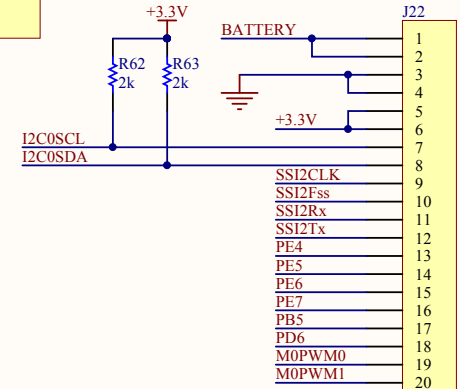
Title <i>SeapHOx ARM Controller</i>			<i>Martz Lab, 858-534-0573</i> <i>trmartz@ucsd.edu</i> <i>Geosciences Research Division</i> <i>Scripps Institution of Oceanography</i> <i>University of California, San Diego</i>	Cannot open file C:\Users\Martz lab\Desktop\we b_color.png
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TM4C123GH6PGEI

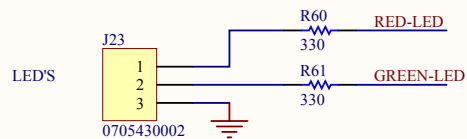


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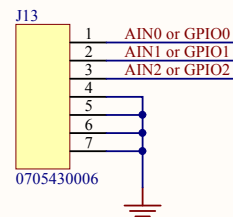


DIC-Shield

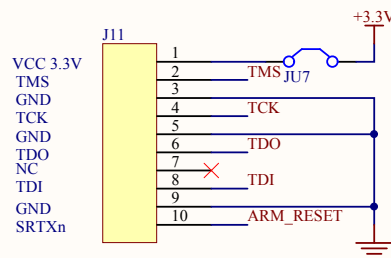
D2520-6002-AR



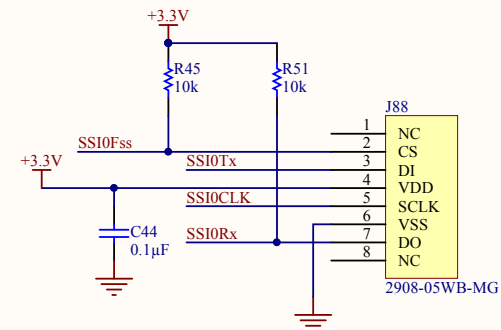
External I/O and ADC (ARM)



Debugger



D2510-6002-AR



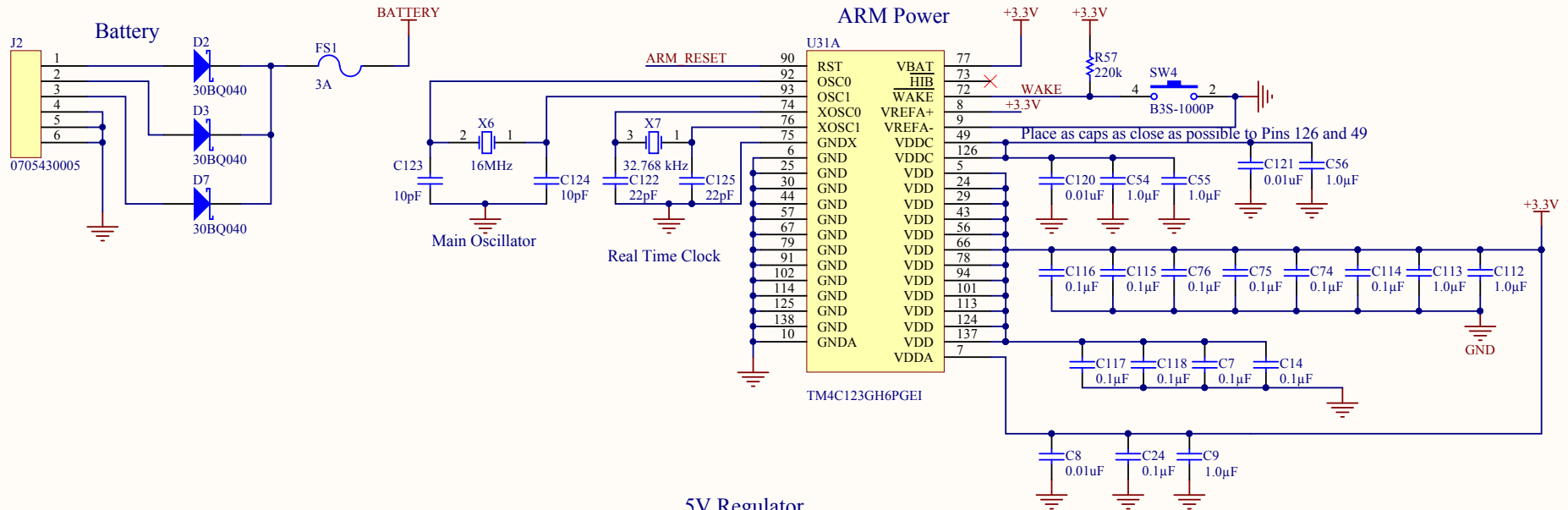
MicroSD Card

Title <i>SeapHOx ARM Controller</i>			Martz Lab, 858-534-0573 trmartz@ucsd.edu Geosciences Research Division Scripps Institution of Oceanography University of California, San Diego	Cannot open file C:\Users\Martz lab\Desktop\we b_color.png
Size: Letter	Number:1	Revision:E		
Date: 11/21/2014	Time: 10:56:47 AM	Sheet3 of 7		
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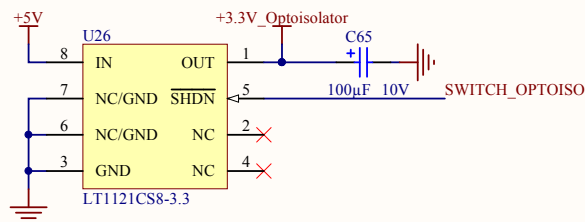
Cortex Power & Voltage Regulators

Battery

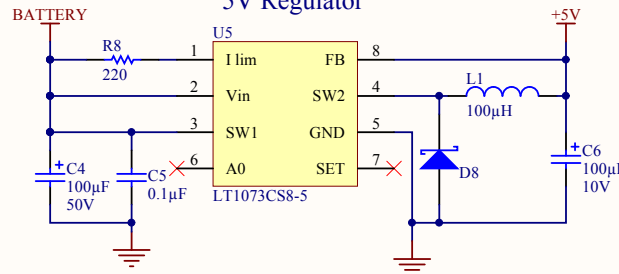
ARM Power



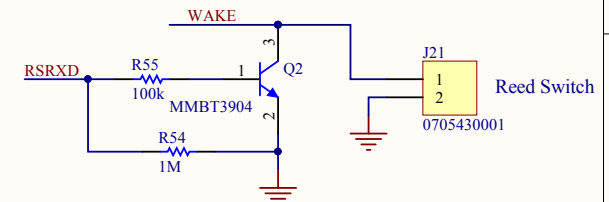
3.3V Regulator for Optoisolators



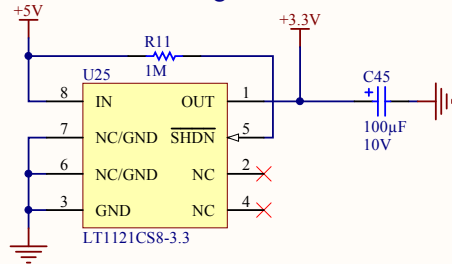
5V Regulator



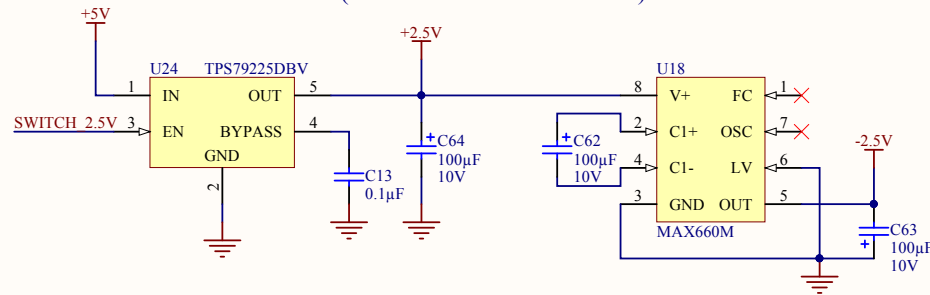
Wake Circuit



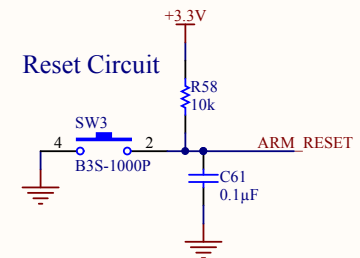
Main 3.3V Regulator



±2.5V (For Non-isolated ADS1248)



Reset Circuit



GND TEST POINT



Title **SeapHOx ARM Controller**

Size: Letter

Number: 1

Revision: E

Date: 11/21/2014

Time: 10:56:47 AM Sheet 4 of 7

File: C:\Users\rob\Dropbox\Glatts\Sch\Cortex Power and Voltage Regulators-E.SchDoc

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Geosciences Research Division
Scripps Institution of Oceanography
University of California, San Diego

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b_color.png

MICROCAT

VBATT TO MICROCAT
DATA TO MICROCAT
DATA FROM MICROCAT
GND

0705430003

OPTODE

5V TO OPTODE
DATA TO OPTODE
DATA FROM OPTODE
GND

0705430003

EXTRA RS232 PORTS

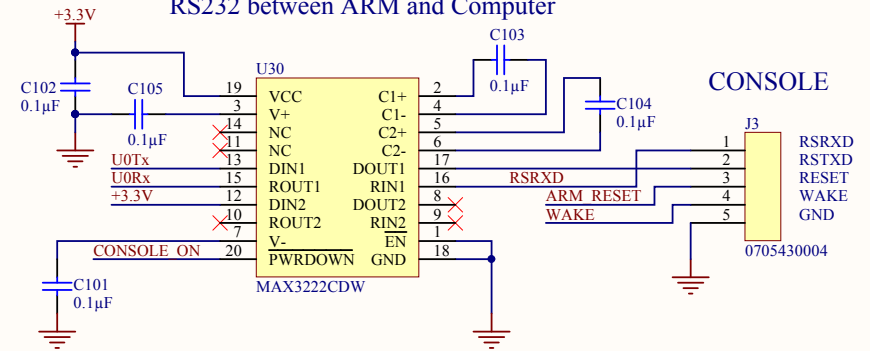
DATA TO RS-232-1
DATA FROM RS-232-1
GND

0705430002

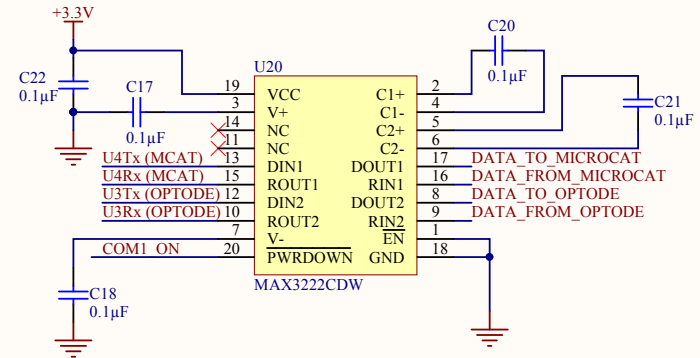
DATA TO RS-232-2
DATA FROM RS-232-2
GND

0705430002

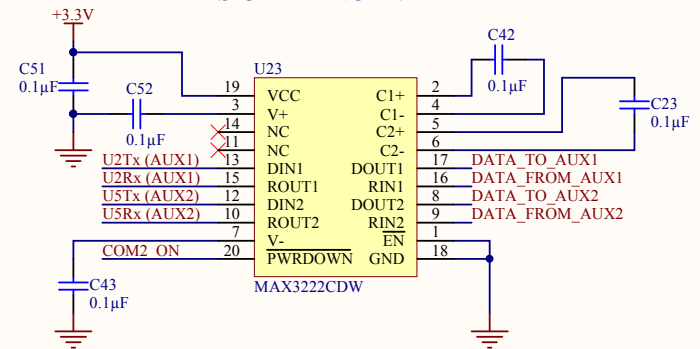
RS232 between ARM and Computer



RS232 TRANCEIVER 1



RS232 TRANCEIVER 2



Title **SeapHOx ARM Controller**

Size: Letter

Number: 1

Revision: E

Date: 11/21/2014

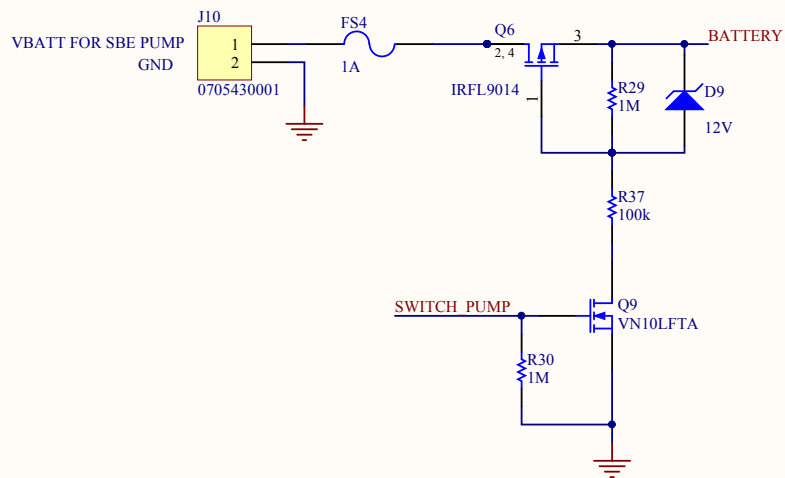
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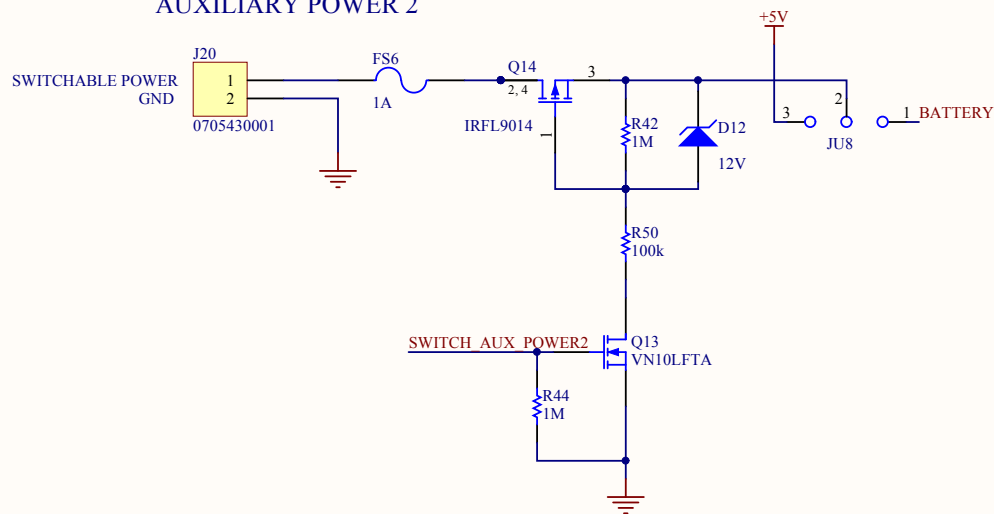
Martz Lab, 858-534-0573
trmartz@ucsd.edu
Geosciences Research Division
Scripps Institution of Oceanography
University of California, San Diego

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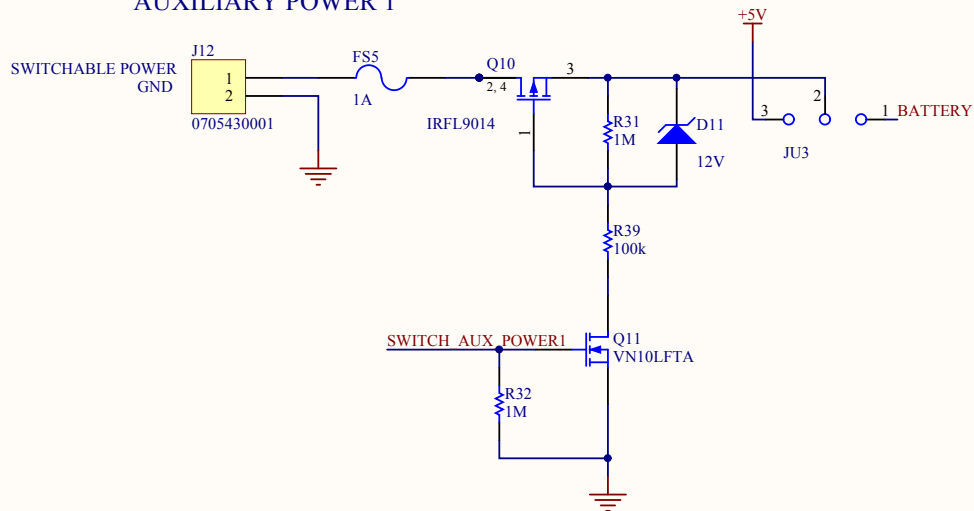
SBE PUMP



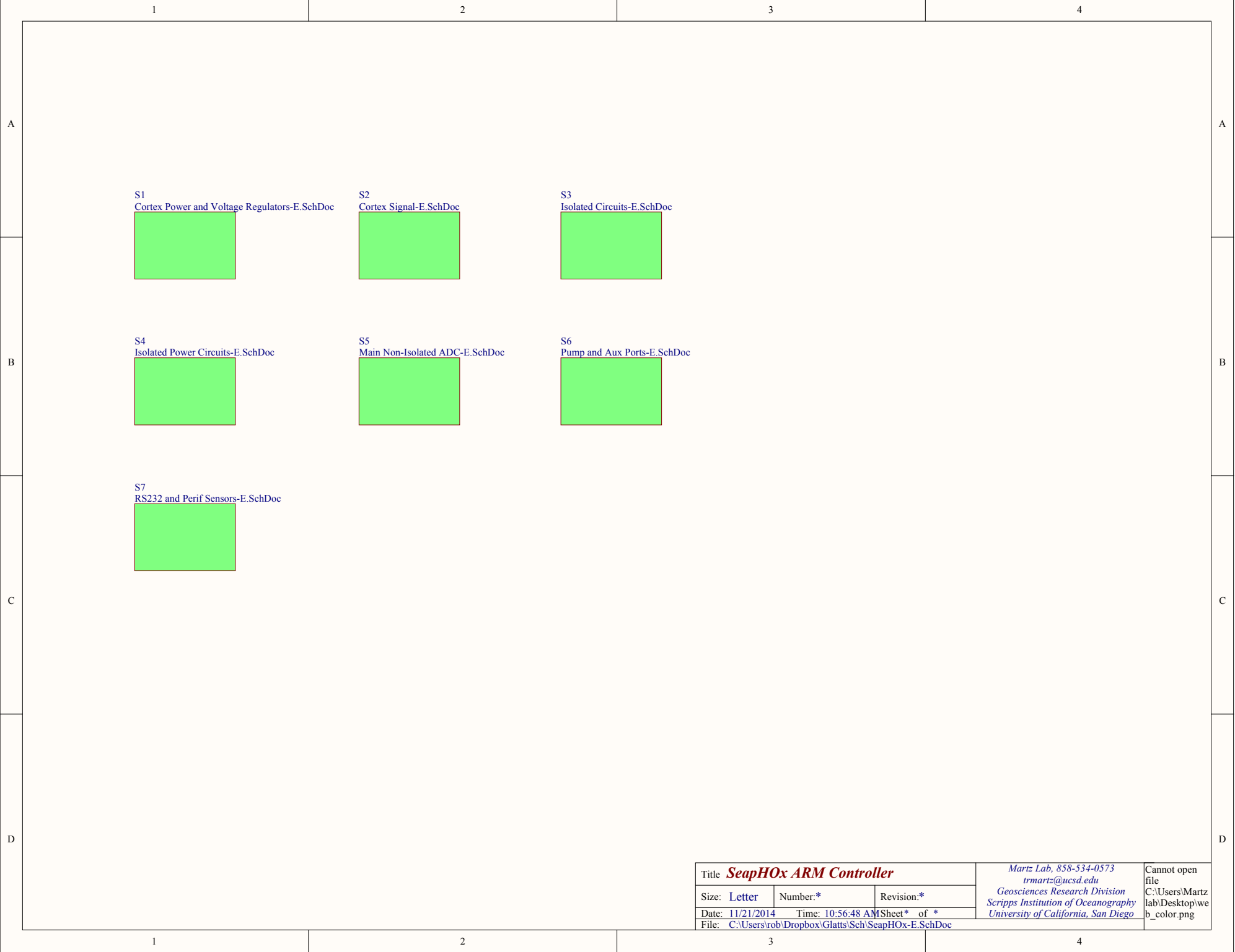
AUXILIARY POWER 2



AUXILIARY POWER 1



Title: SeapHOx ARM Controller			Martz Lab, 858-534-0573 trmartz@ucsd.edu Geosciences Research Division Scripps Institution of Oceanography University of California, San Diego	Cannot open file
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Title <i>SeapHOx ARM Controller</i>			<i>Martz Lab, 858-534-0573 trmartz@ucsd.edu Geosciences Research Division Scripps Institution of Oceanography University of California, San Diego</i>	Cannot open file C:\Users\Martz lab\Desktop\we b_color.png
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