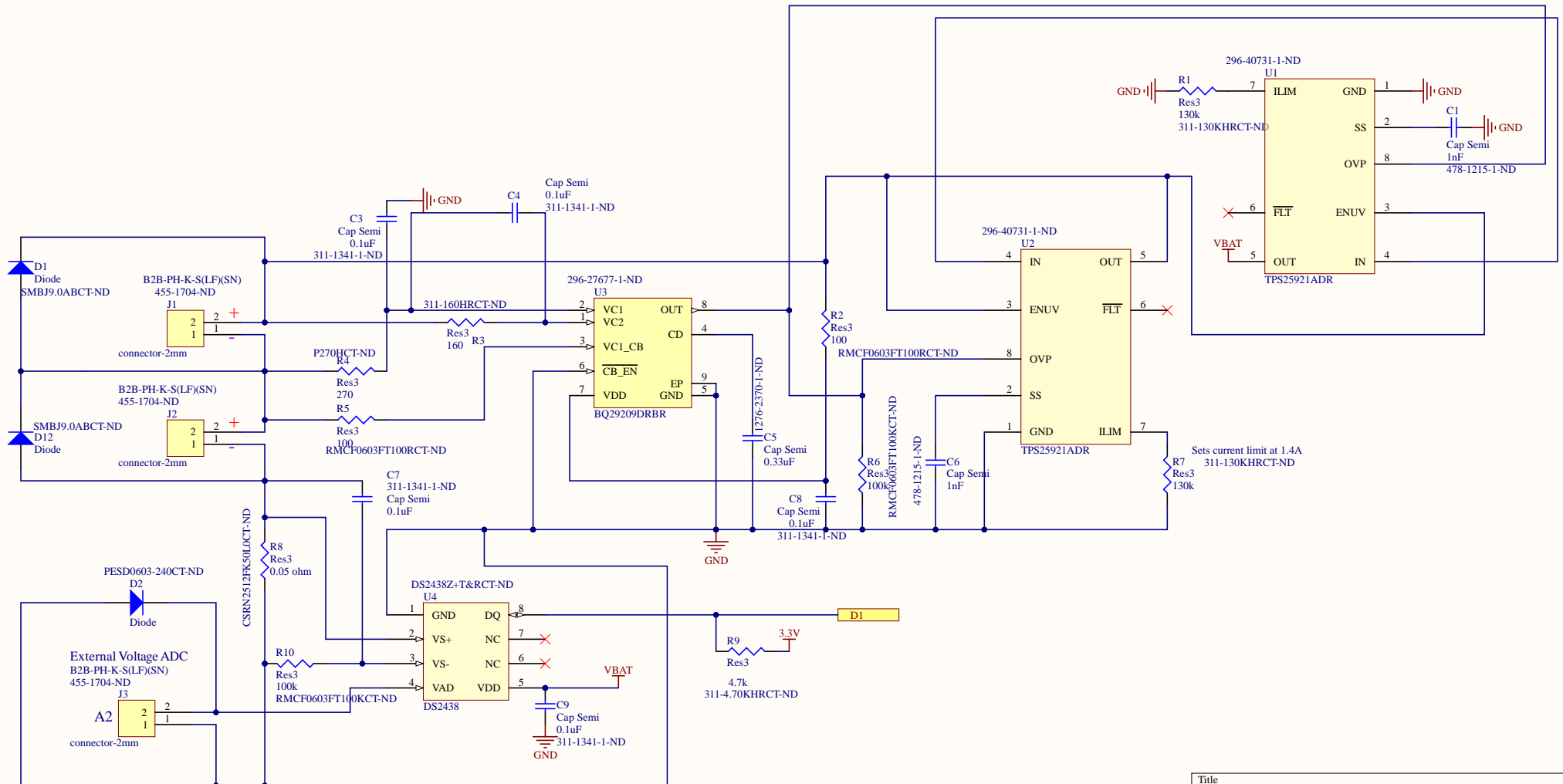
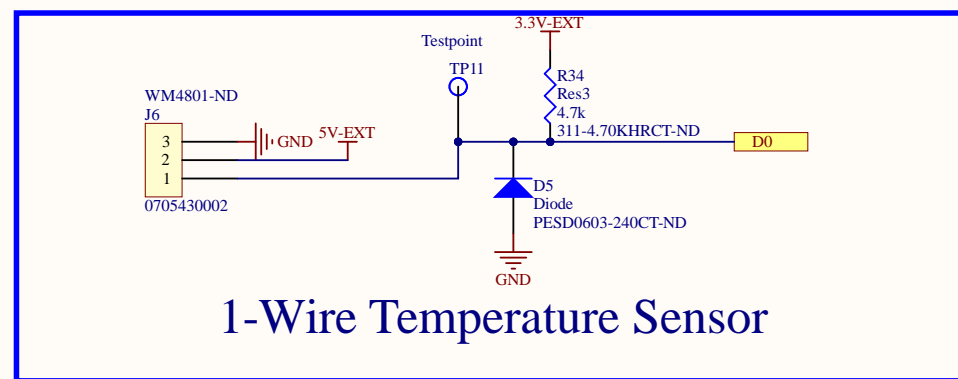
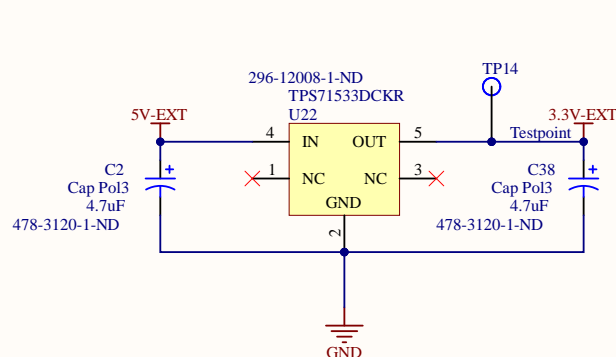
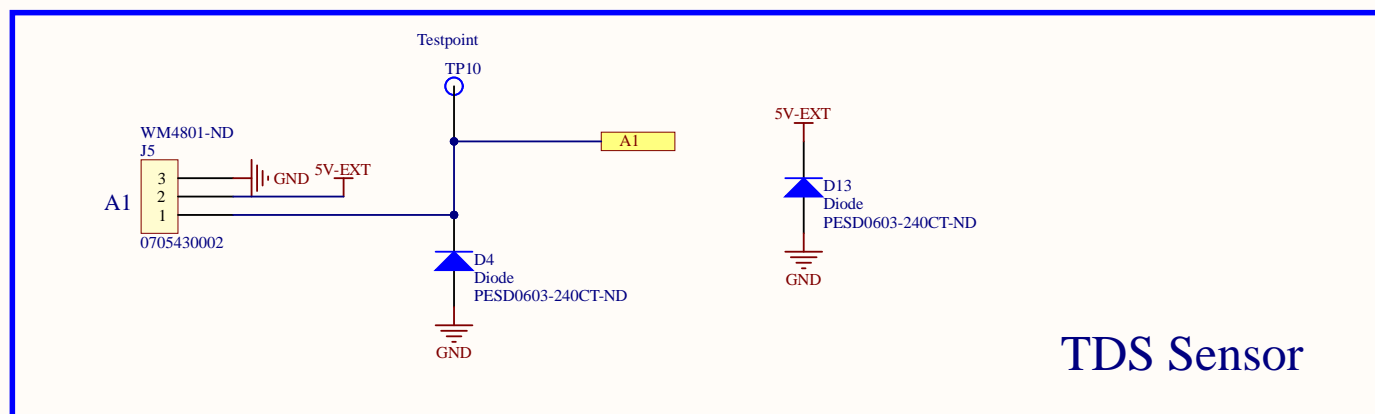
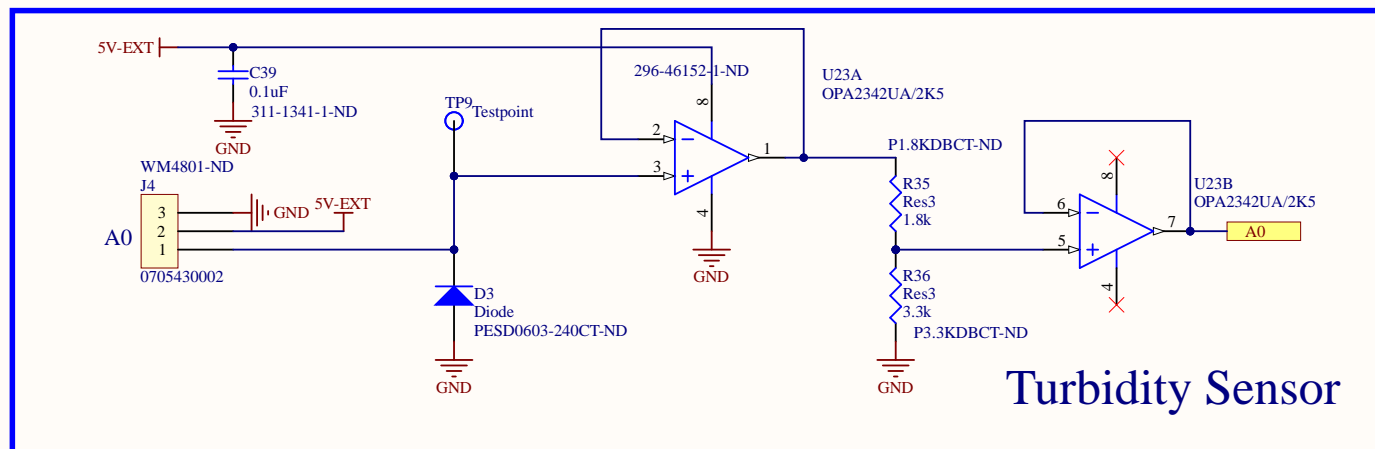


Battery Protector / Charge Balancing / Fuel Gauge



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Date:	4-09-2021	Sheet of
File:	K:\OneDrive\...\battery-balancer.SchDoc	Drawn By:



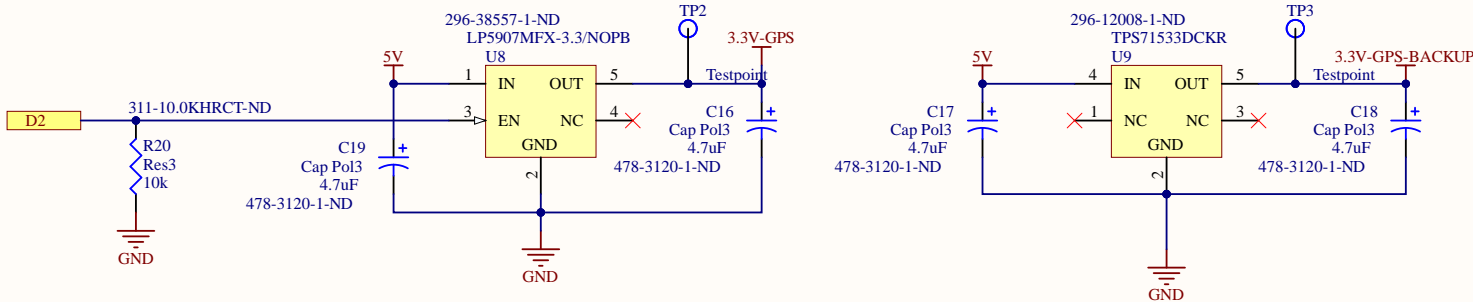
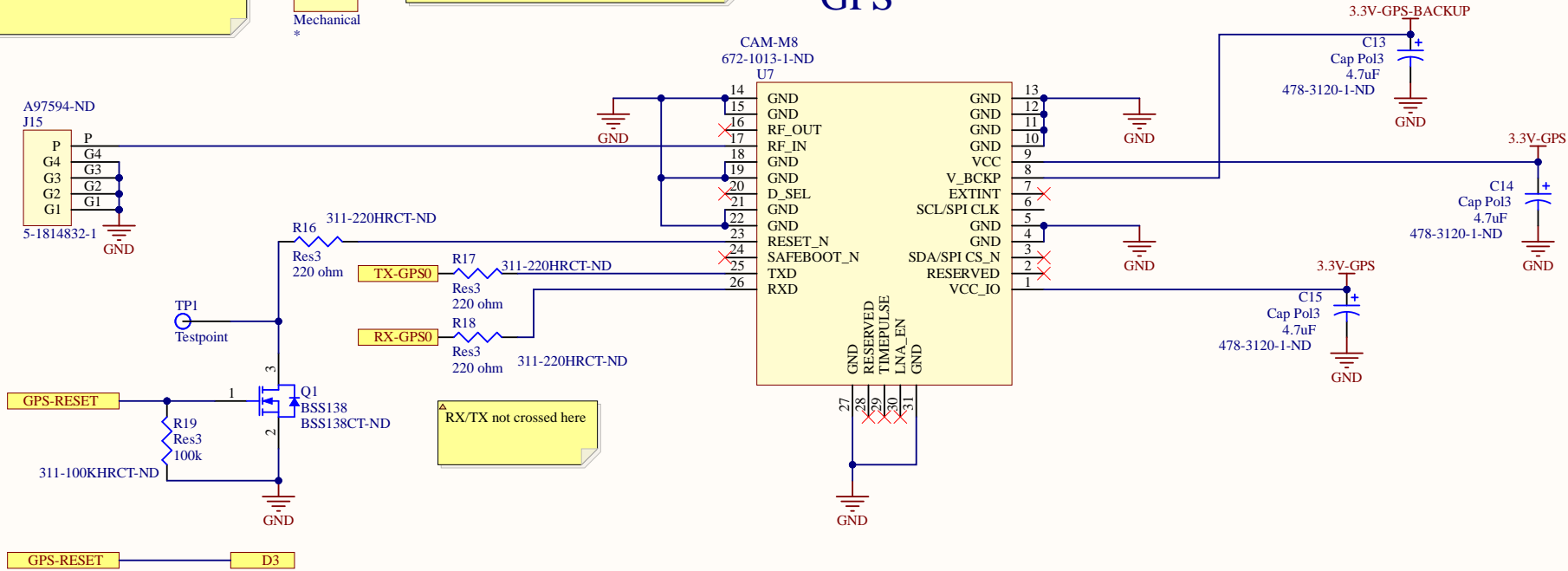
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File:	K:\OneDrive\...\breakout-1.SchDoc	Drawn By:

Control impedance of antenna trace with width 0.75 mm. Control impedance to 50 ohms. Starting trace width at 0.75 mm and trace gap at 0.15 mm with surrounding GND plane. Adjust trace width and gap accordingly to attain specified impedance.

A.80.A.10111
931-1528-ND
U6
Mechanical
*

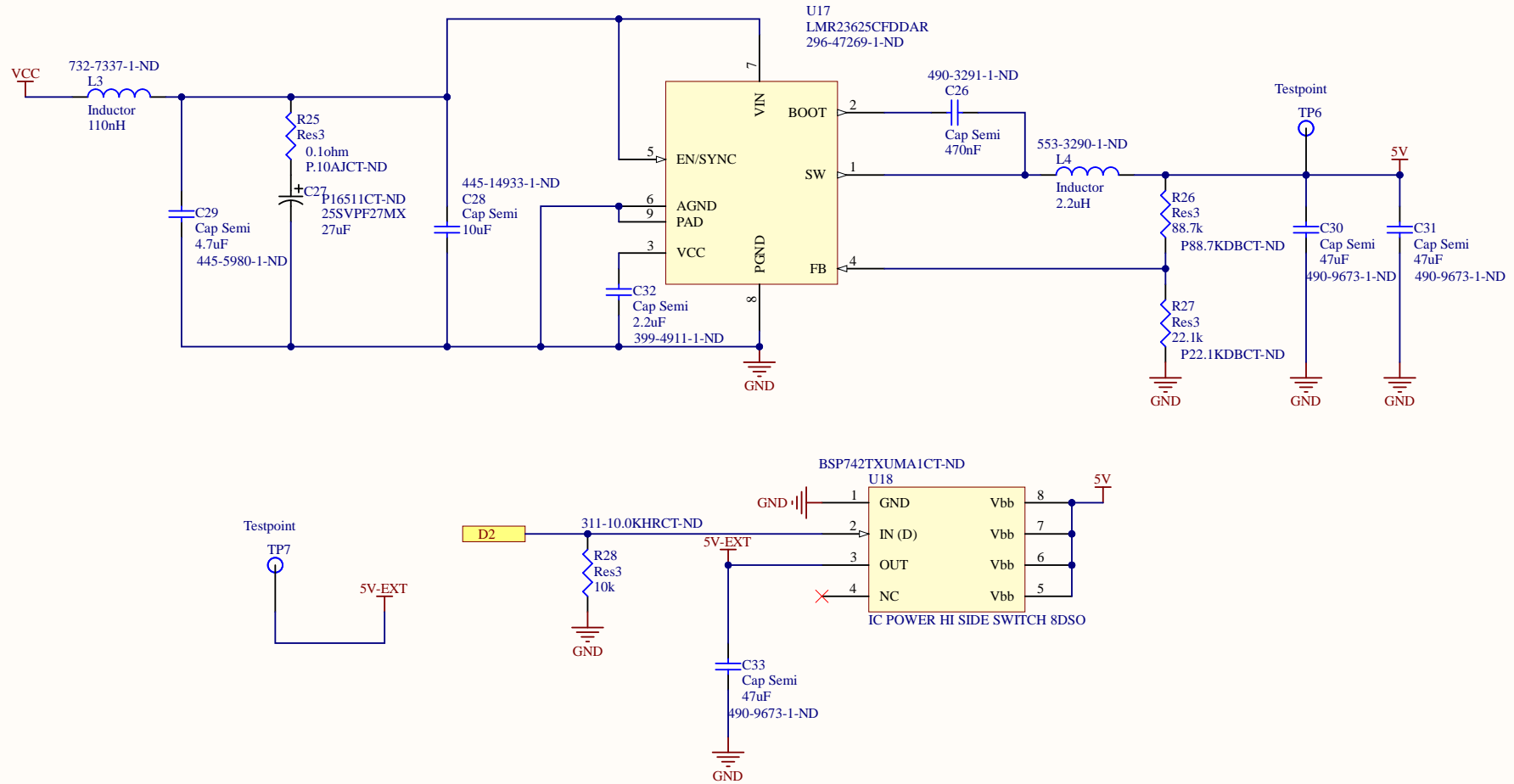
An external bias tee is required for the RF antenna to work. On an updated version of the PCB, the bias tee should be present on the PCB.

GPS

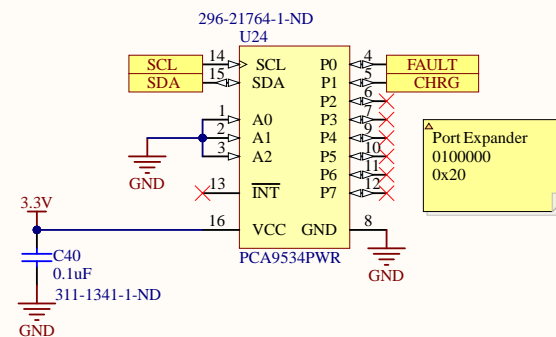
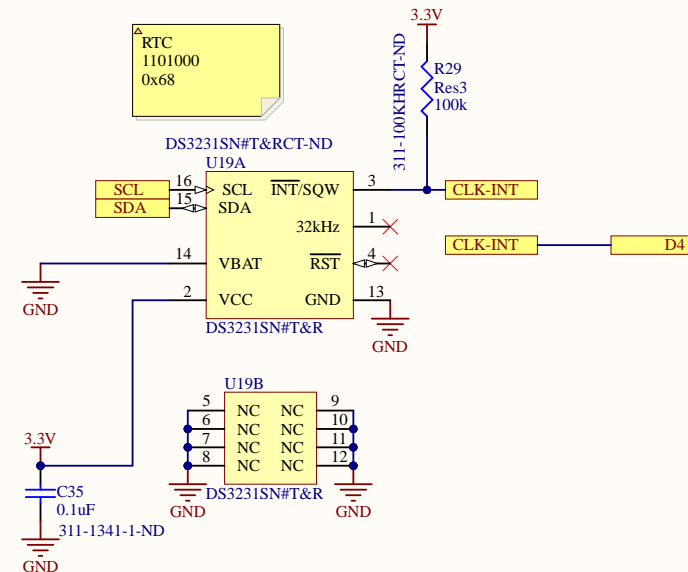
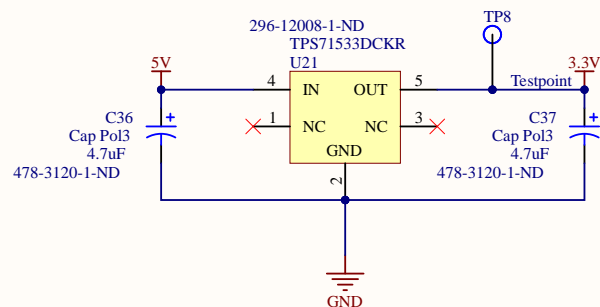
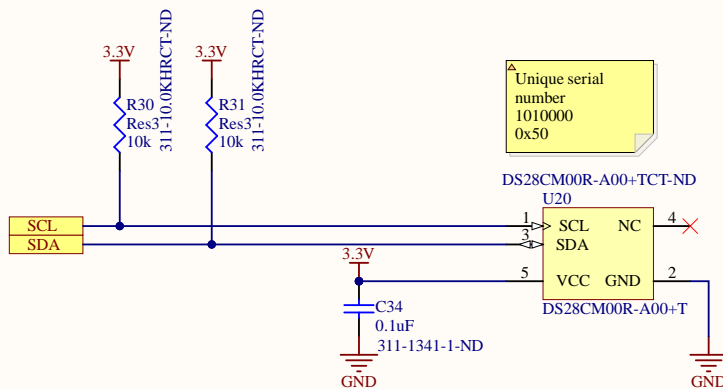


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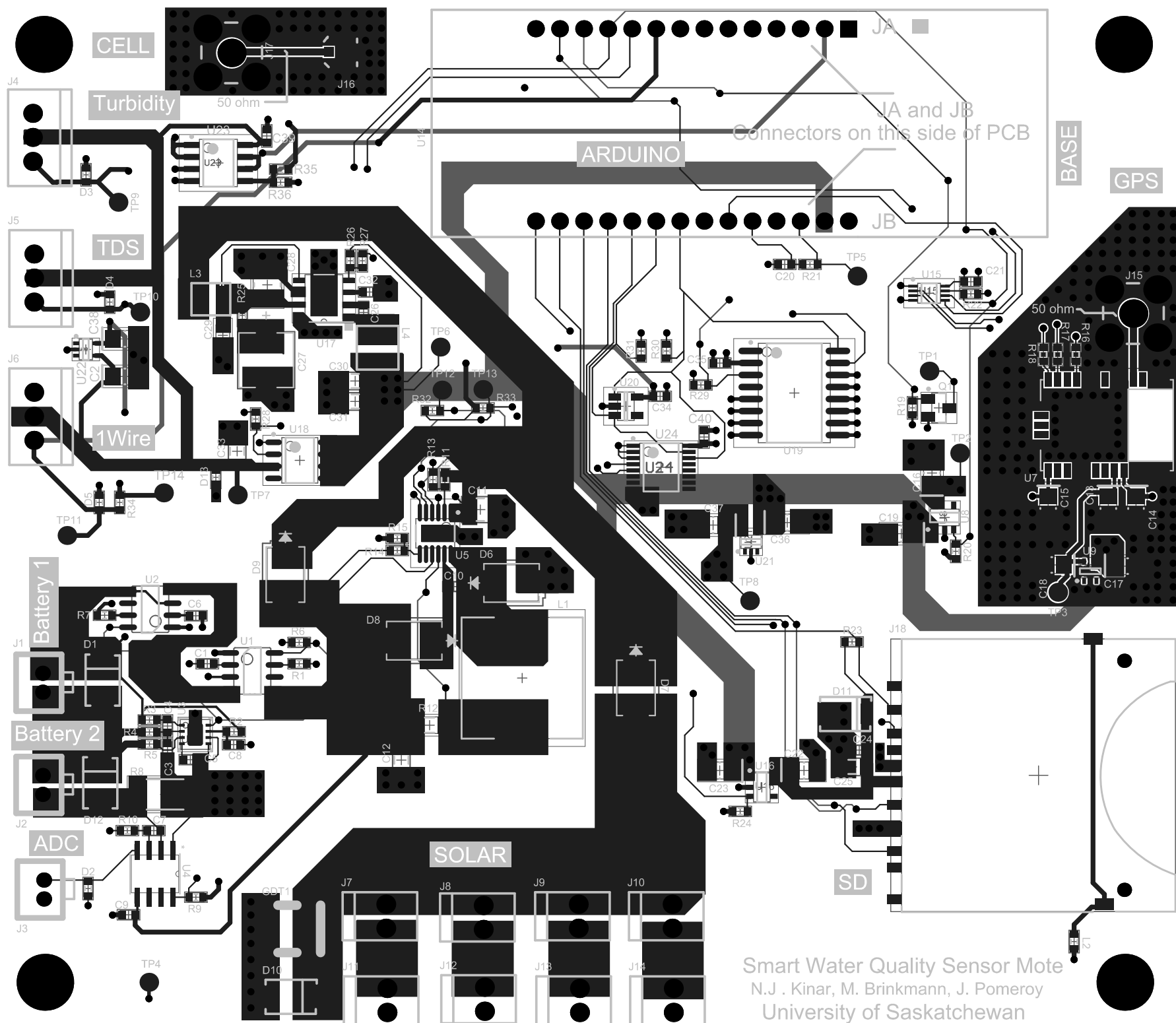
5V Power Supply



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Title		
Size	Number	Revision
Letter		
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File:	K:\OneDrive\rtc.SchDoc	Drawn By:



Smart Water Quality Sensor Mote
 N.J. Kinar, M. Brinkmann, J. Pomeroy
 University of Saskatchewan