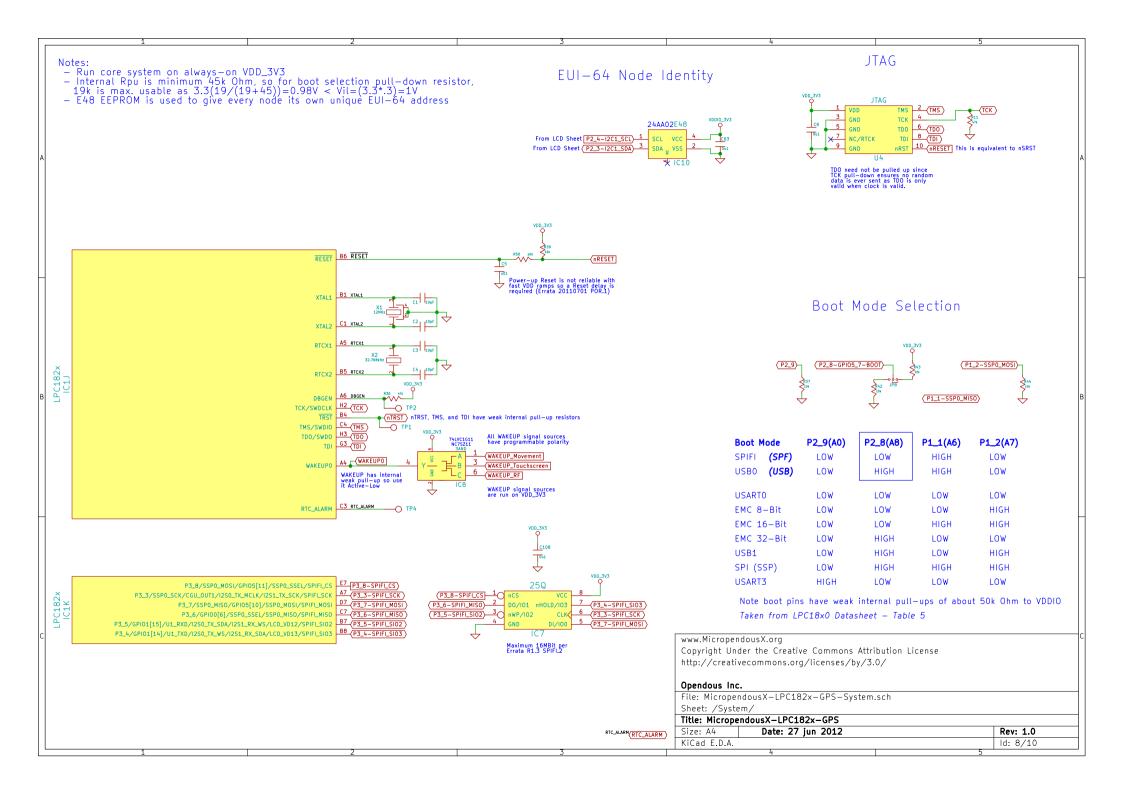
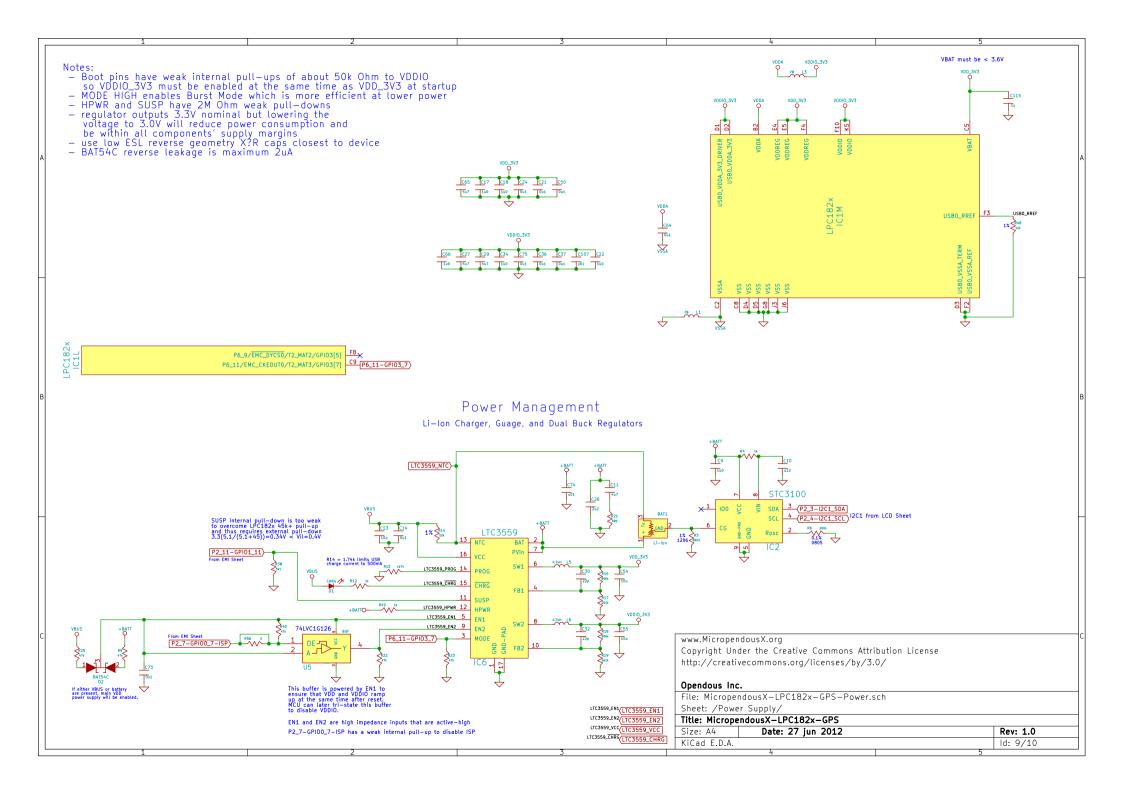
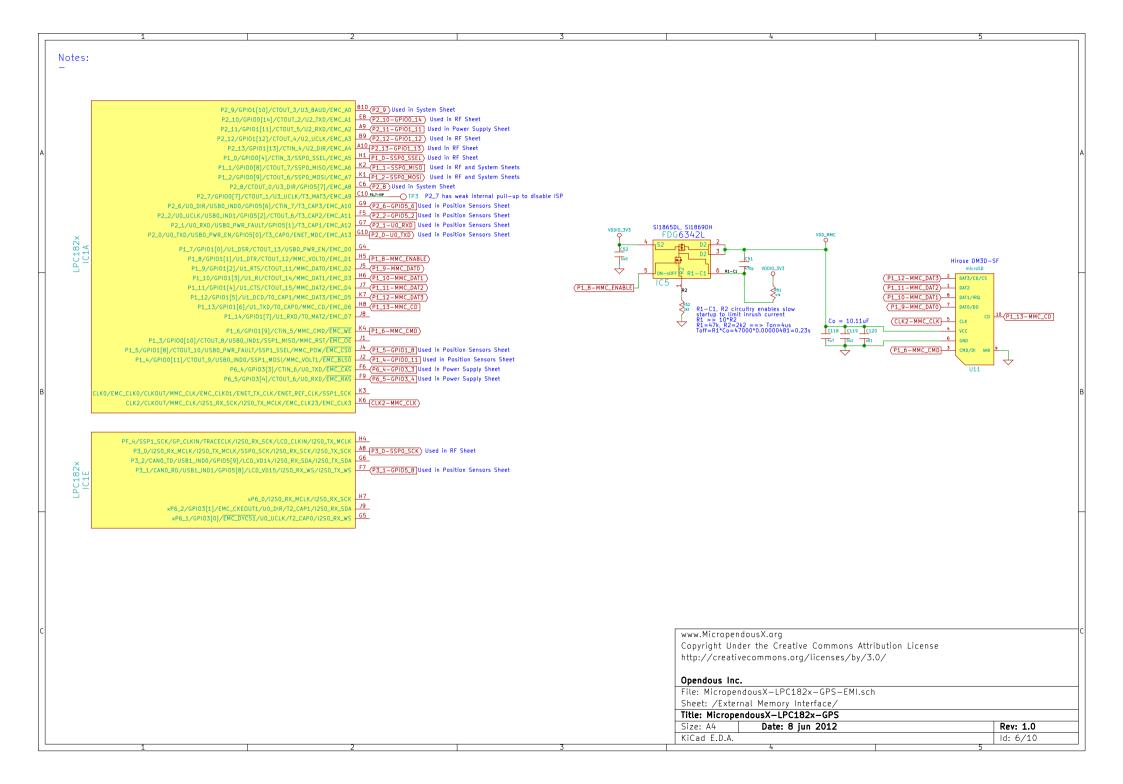
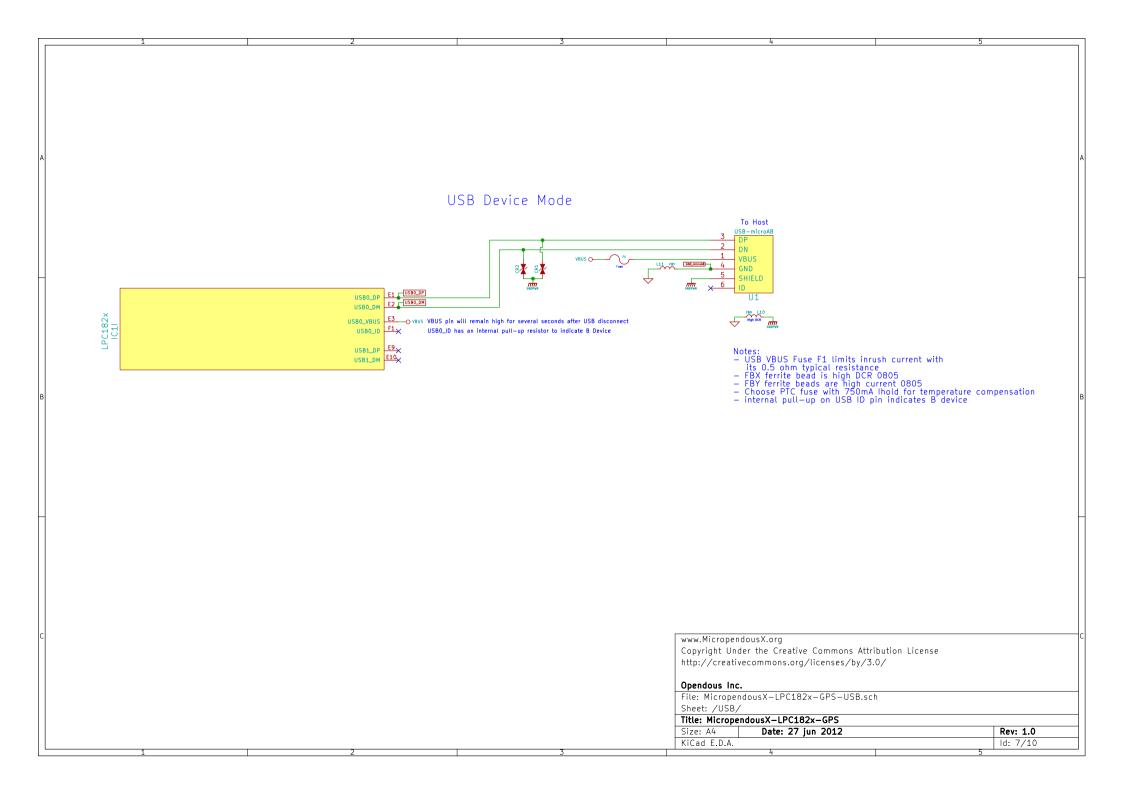
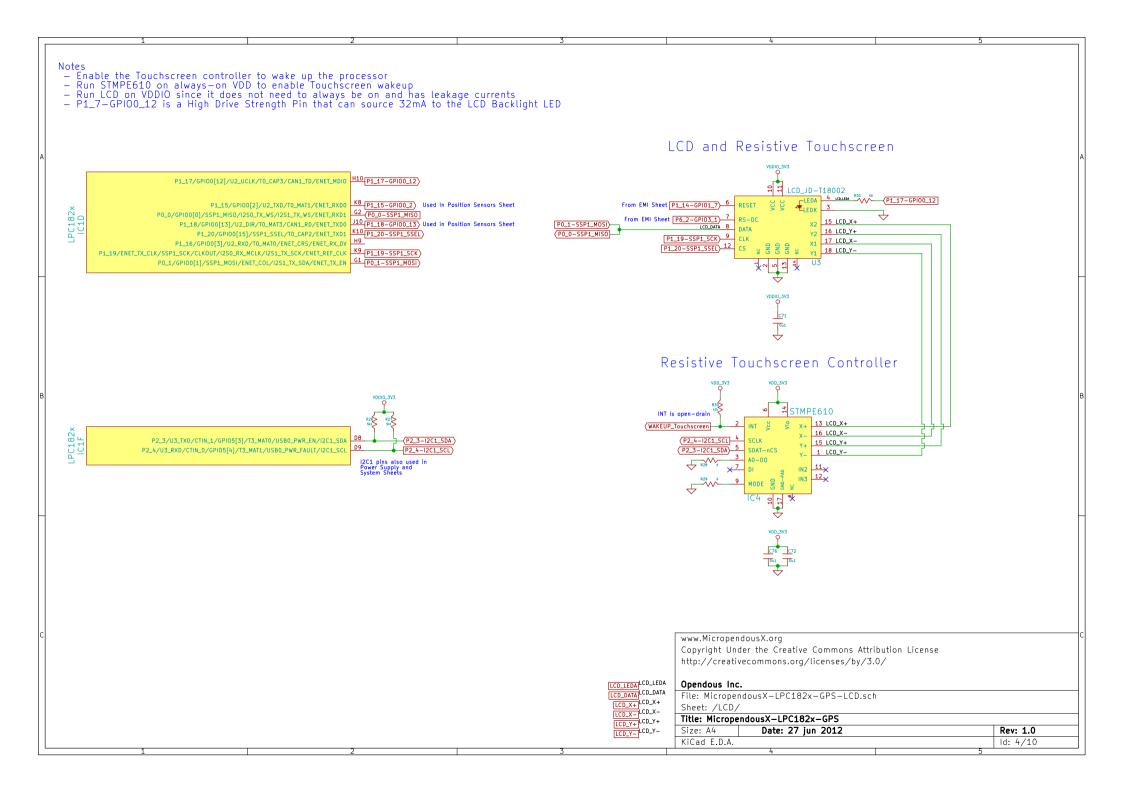
External Memory Interface	
MicropendousX-LPC182x-GPS-EMI.sch USB	Notes: — Design targets Revision 'A' of the LPC182x — Pins with more than one function are labeled with their pin name and function(s) used — VDD controls LPC182x, RF Transceiver, LCD Touchscreen Controller, and Motion Sensor so that these can wake up the device
MicropendousX-LPC182x-GPS-USB.sch System	 VDDIO powers microSD, GPS Module, and LCD Display along with all LPC182x IO pins so that these can be disabled in low-power modes. Only WAKEUP pin can wake up device from Deep Sleep and Power-Down Modes USBO can wake up device only from Sleep Mode
MicropendousX-LPC182x-GPS-System.sch	— Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA
Position_Sensors	
MicropendousX-LPC182x-GPS-Position_Sensors.sch	< Double-click inside a sheet to go to it
RF	
MicropendousX-LPC182x-GPS-RF.sch	
LCD	
MicropendousX-LPC182x-GPS-LCD.sch	
Power Supply	
MicropendousX-LPC182x-GPS-Power.sch	
Expansion	
MicropendousX-LPC182x-GPS-Expansion.sch	www.MicropendousX.org Copyright Under the Creative Commons Attribution License http://creativecommons.org/licenses/by/3.0/
Vias	Opendous Inc. File: MicropendousX-LPC182x-GPS.sch
MicropendousX-LPC182x-GPS-Vias.sch	Sheet: / Title: MicropendousX-LPC182x-GPS Size: A4 Date: 27 jun 2012 Rev: 1.0
	KiCad E.D.A. Id: 1/10

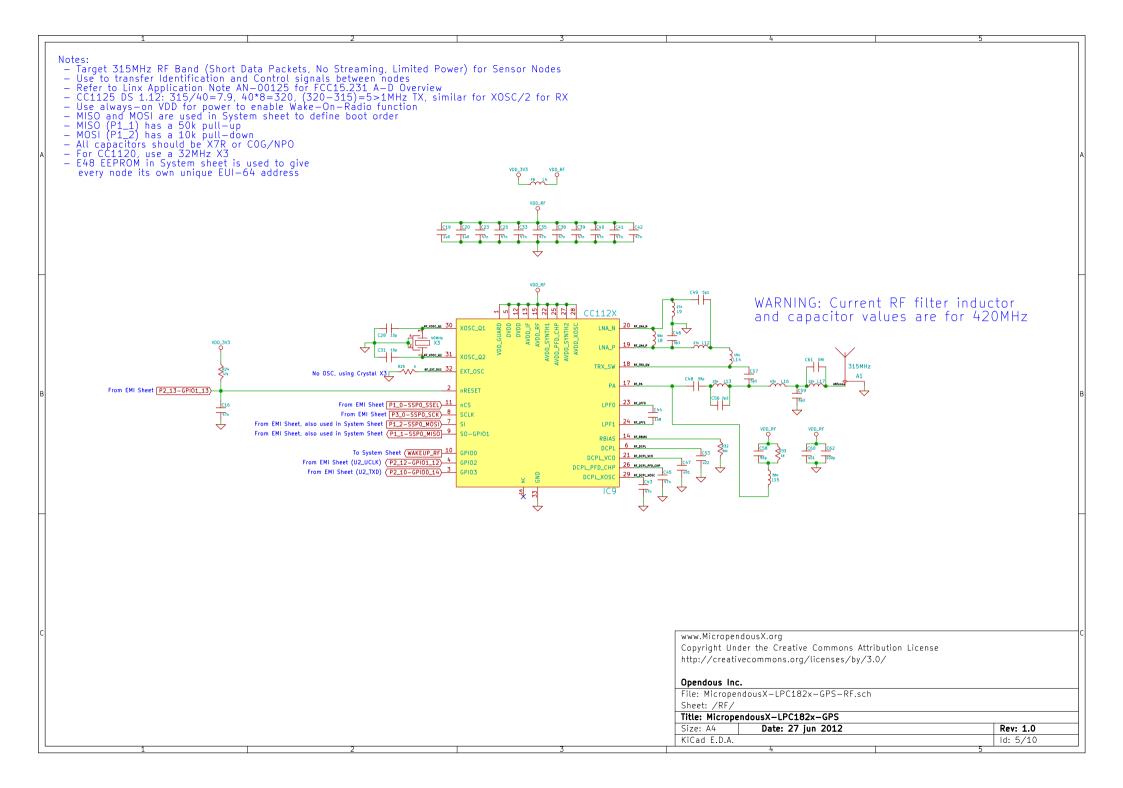


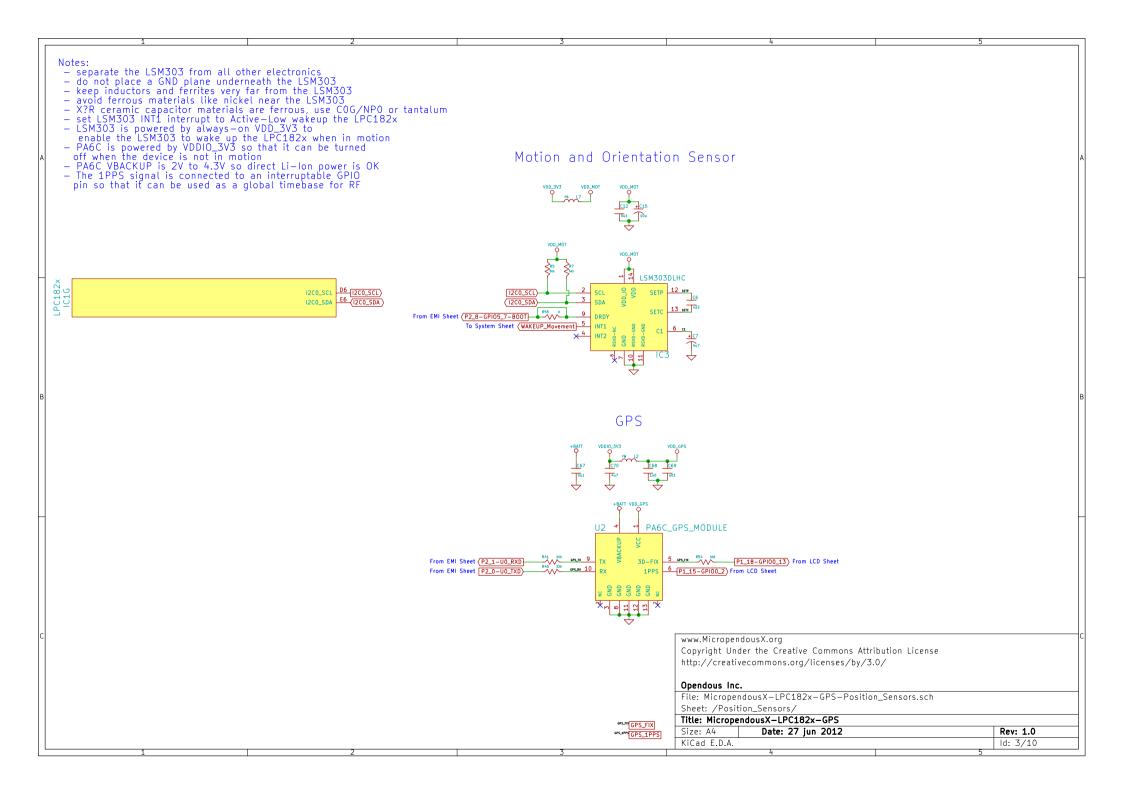












Notes: there isn't enough room on the PCB for a full expansion header
these 3 analog pins and some GPIO are exposed as unmasked vias P2_5/CTIN_2/USB1_VBUS/GPI05[5]/T3_MAT2/USB0_IND0/ADCTRIG1

ADC0_0/ADC1_0/DAC

ADC0_1/ADC1_1

ADC0_2/ADC1_2

ADC0_3/ADC3

A3_ADC0_3 www.MicropendousX.org Copyright Under the Creative Commons Attribution License http://creativecommons.org/licenses/by/3.0/ Opendous Inc. File: MicropendousX-LPC182x-GPS-Expansion.sch Sheet: /Expansion/ Title: MicropendousX-LPC182x-GPS Rev: 1.0 Size: A4 Date: 27 jun 2012 KiCad E.D.A. ld: 10/10