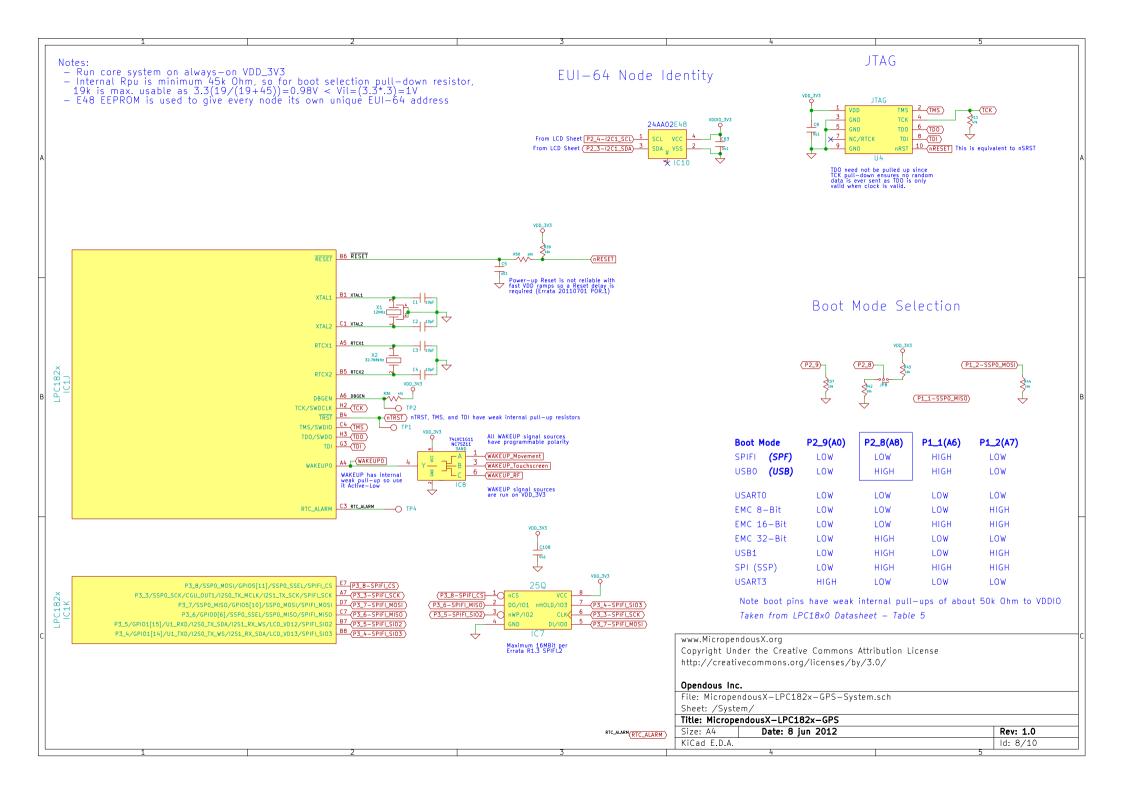
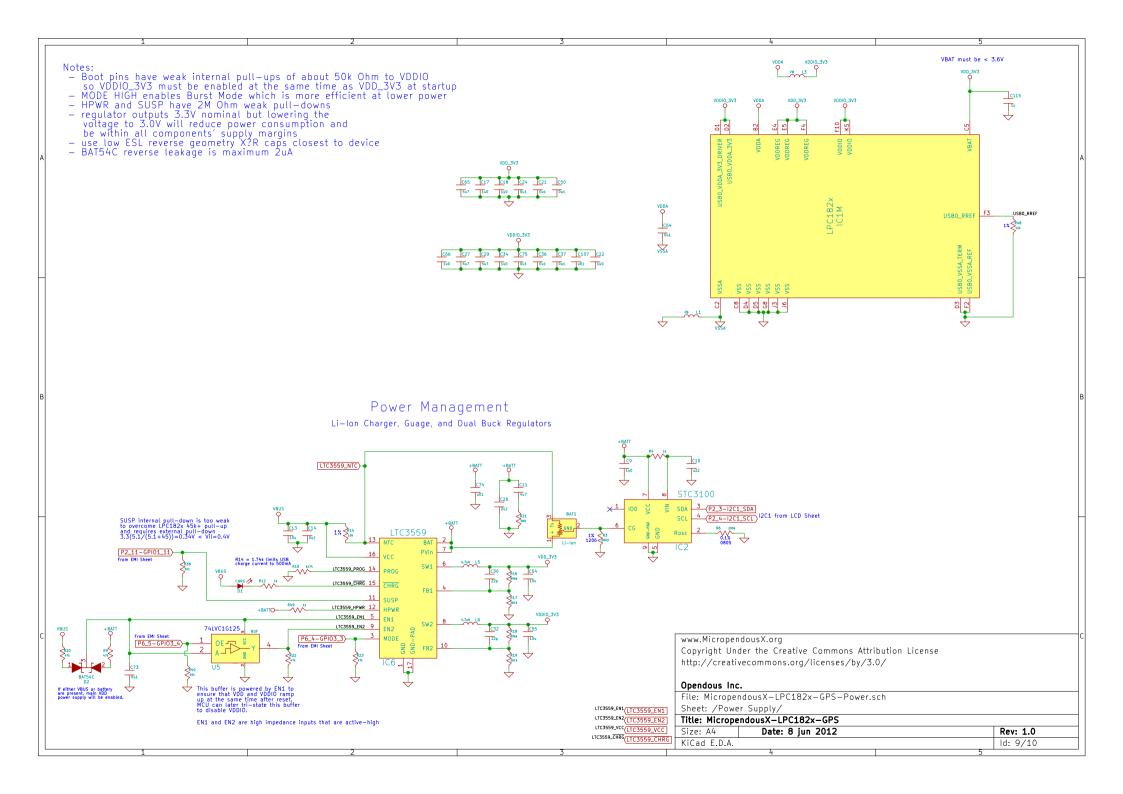
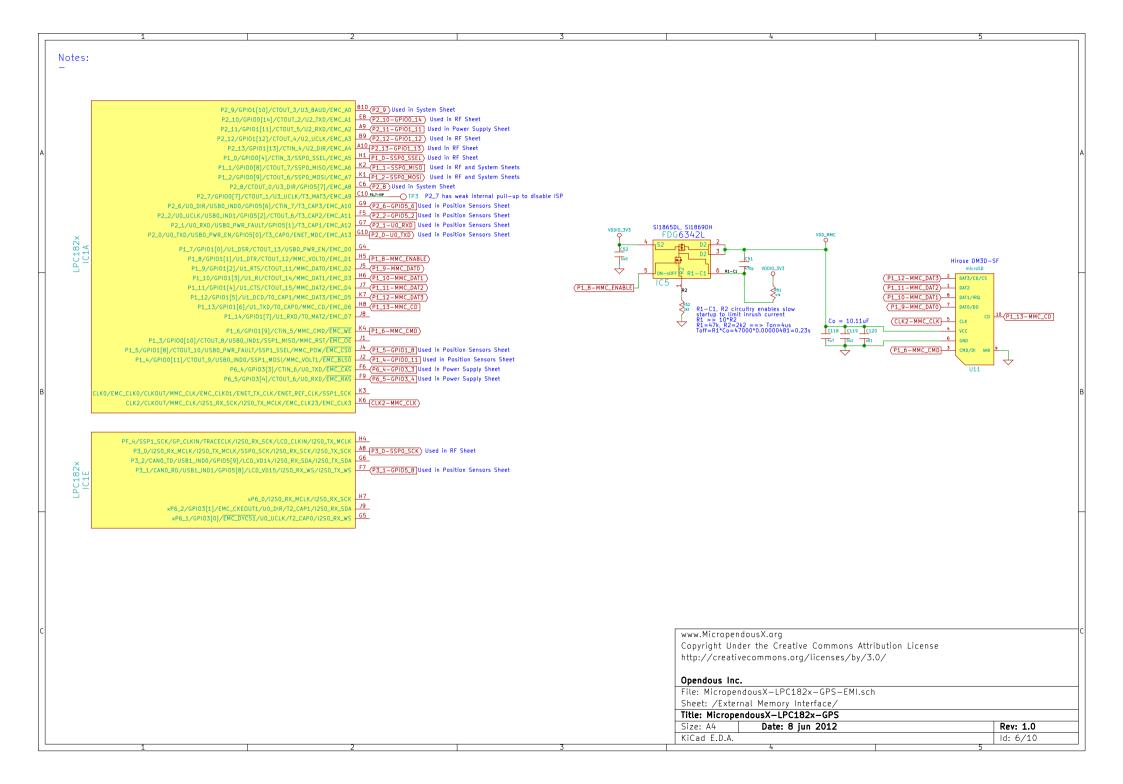
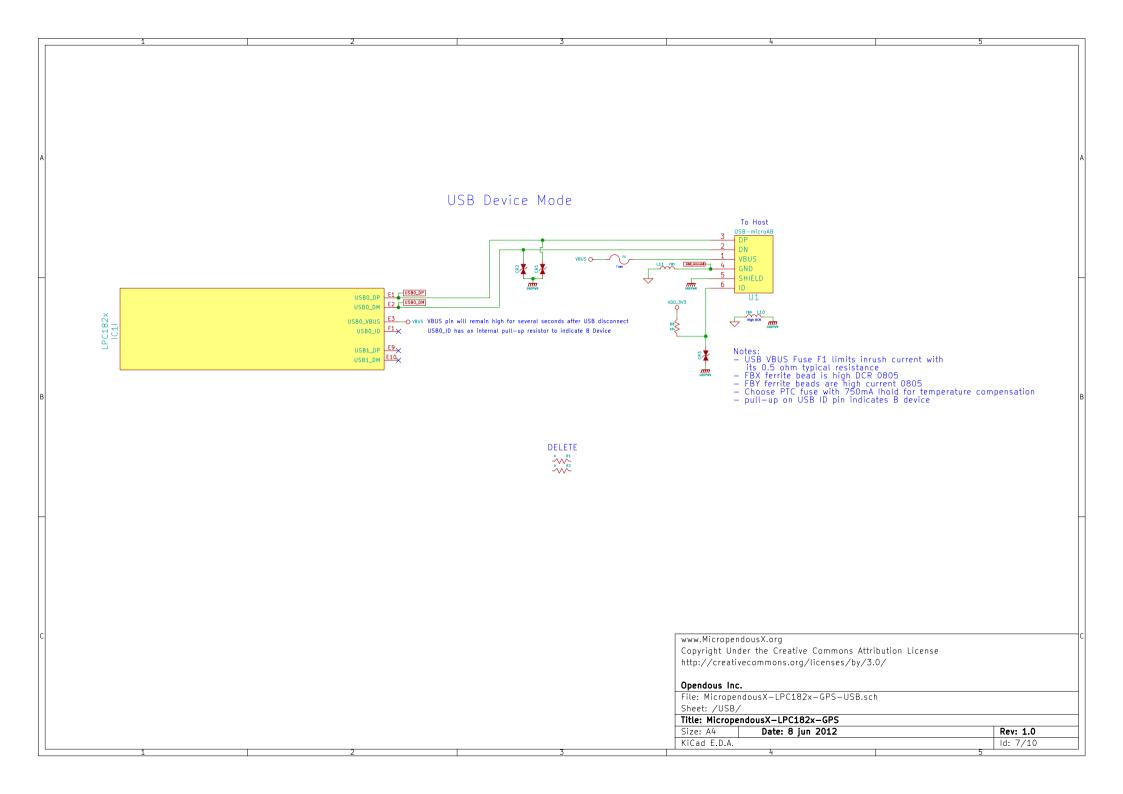
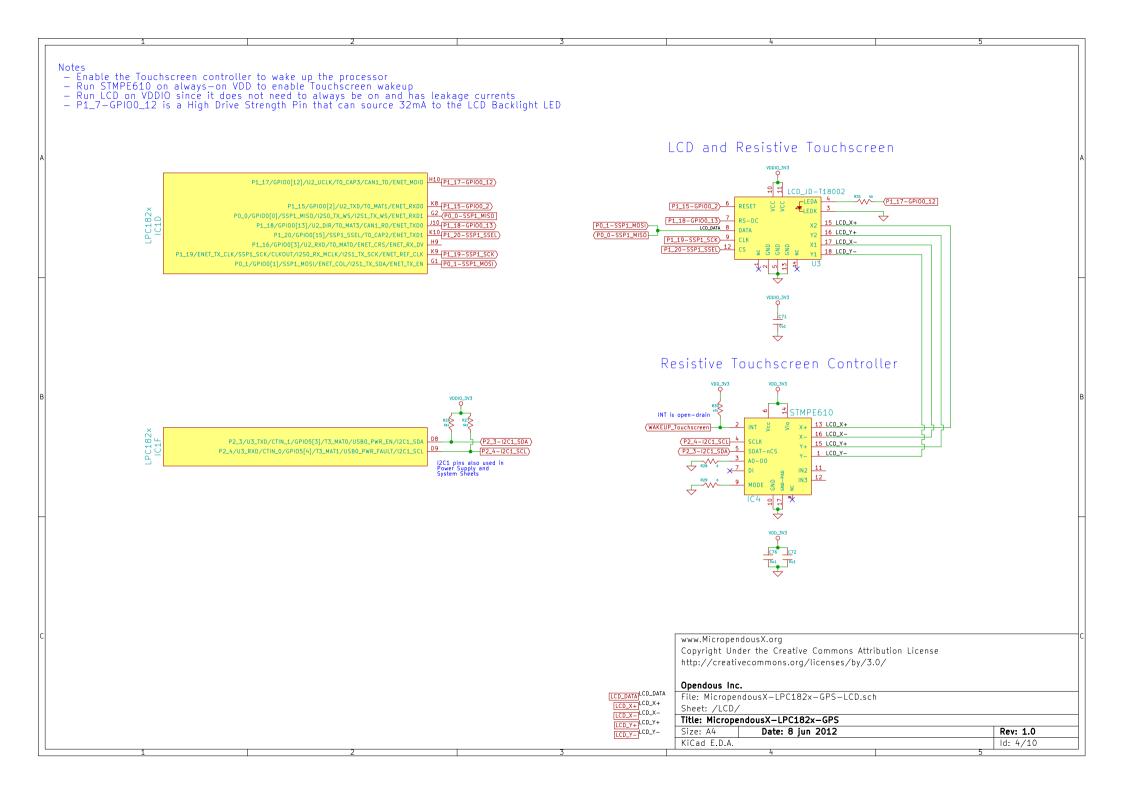
- Pins with more than one function are labeled with their in name and function() used - VDD controls LPCL82x, RT Transceiver, LCD Touchscreen Controller, and Motion Sensor so that these can wake up the device - VDDIO powers microSO, GPS Module, and LCD Display along with all LPC182x ID pins so that these 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 - Power Consumption: Normal 10mA+, Sleep 3.5mA+, Other <1mA **Contion Sensors** - Power Supply - Consumption: Normal 10mA+, Sleep 3.5mA+, Other <1mA **Contion Sensors** - Double—click inside a sheet to go to it **Contion Sensors** - Double—click inside a sheet to go to it **Continuation of the Continuation of the Cont	External Memory Interface	
and Motion Sensor as that these can wake up the device - VDDID powers microSD, SPS Module, and LCD Display along with all LPCIBZX ID pins as that these can be disabled in tow-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 - Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Introperdousx-LPCISZx-DPS-Position Sensors.sch - CD - Introperdousx-LPCISZx-DPS-Position Sensors.sch - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Introperdousx-LPCISZx-DPS-Position Sensors.sch - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Introperdousx-LPCISZx-DPS-Position Sensors.sch - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Power Supply - Consumption: Normal 10mA+, Sleep 5.5mA+, Other <1mA - Consumption: Normal 10mA+, Sleep 5.5mA+, Oth	MicropendousX-LPC182x-GPS-EMI.sch	 Design targets Revision 'A' of the LPC182x Pins with more than one function are labeled
- VDBID powers microsD, SPS Module, and LCD Display along with all LPCIBZX ID pins on that these can be disabled in low-power modes Only MAKEUP pin can wake up device from Deep Sleep and Power-Down Modes - USBO can wake up device only from Sleep Mode - Power Consumption: Normal 10mA+, Sleep 5.5mA+, Other < 1mA Position Sensors - Double—click inside a sheet to go to it - Double—click inside a sheet to go	USB	and Motion Sensor so that these can wake up the device
- Only WAKEUP pin can wake up device from Deep Mode - USBO can wake up device from Steep Mode - Power Consumption: Normal 10mA+, Steep Mode - Power Consumption: Normal 10mA+, Steep S.5mA+, Other <1mA Position Sensors Consumption	MicropendousX-LPC182x-GPS-USB.sch	 VDDIO powers microSD, GPS Module, and LCD Display along with all LPC182x IO pins so that these can be
Comparison	System	— Only WAKEUP pin can wake up device from Deep Sleep and Power—Down Modes — USBO can wake up device only from Sleep Mode
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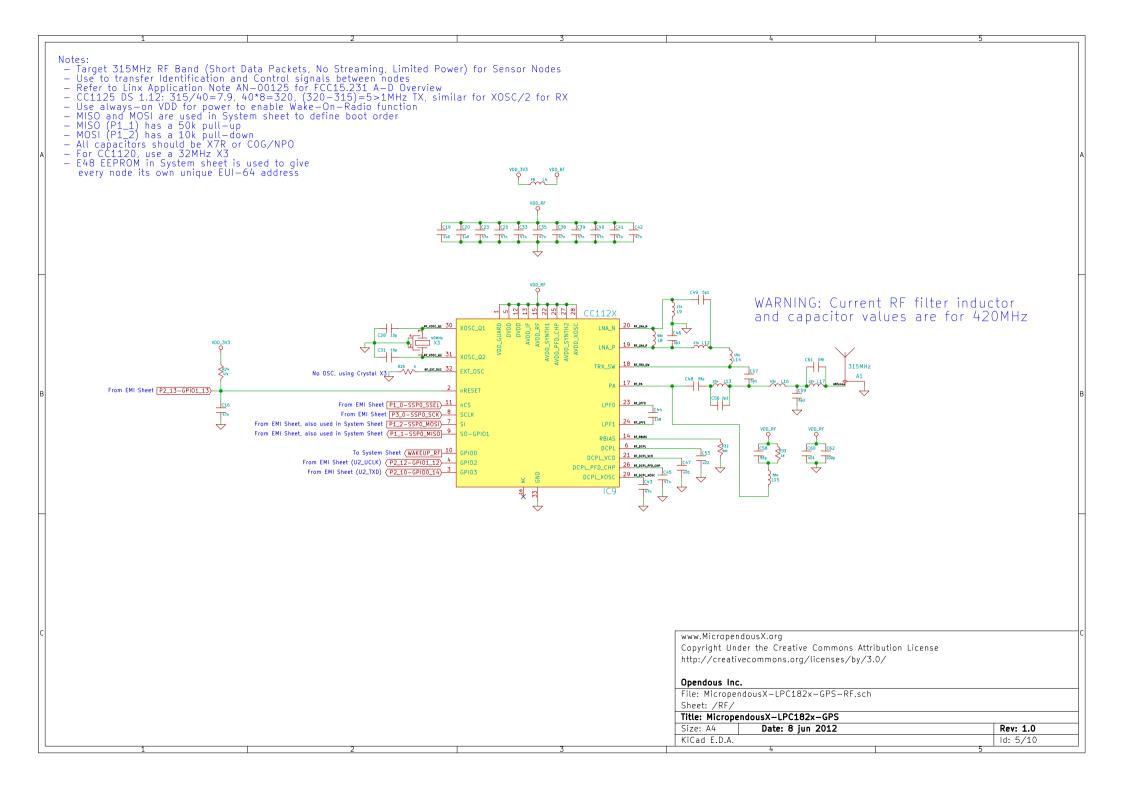


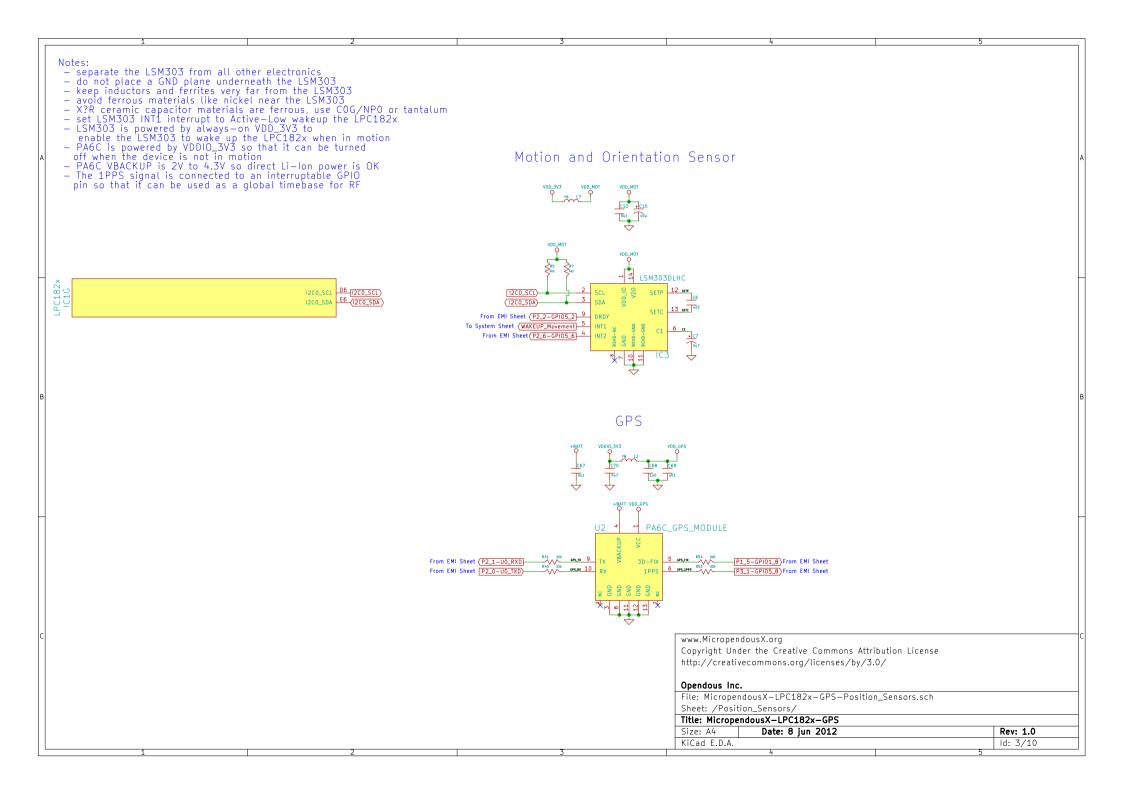












Notes: there isn't enough room on the PCB for a full expansion header
these 3 analog pins and some GPIO are exposed as unmasked vias P2_5/CTIN_2/USB1_VBUS/GPI05[5]/T3_MAT2/USB0_INDO/ADCTRIG1

ADC0_0/ADC1_0/DAC

ADC0_1/ADC1_1

ADC0_2/ADC1_2

ADC0_3/ADC1_3

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: 8 jun 2012 KiCad E.D.A. ld: 10/10