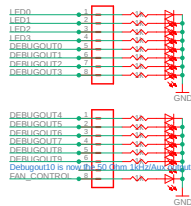


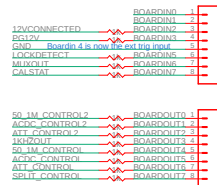




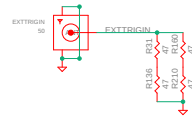
2.5V outputs from  
the FPGA for debugging, etc.  
These go to LEDs for monitoring



2.5V inputs and outputs to/from  
the FPGA for status monitoring  
and control of things, etc.



50 Ohm external trigger input



50 Ohm 1kHz / Aux output



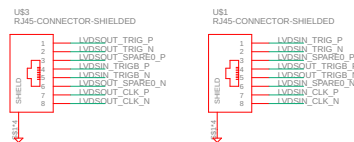
1KOhm 1kHz output for probe compensation



Extra clock input and output

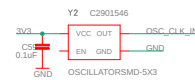


LVDS outputs and inputs for sync between boards



Cyclone IV E left and right I/O banks support  
true LVDS transmitters, so use them for LVDS outputs

50 MHz clock for FPGA

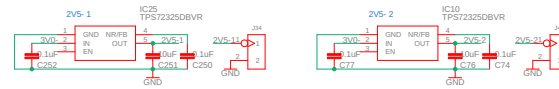
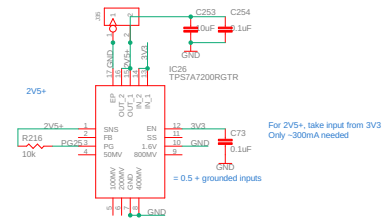
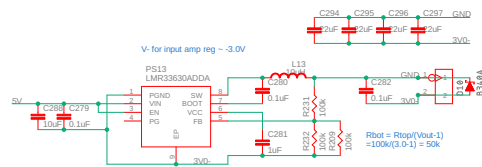




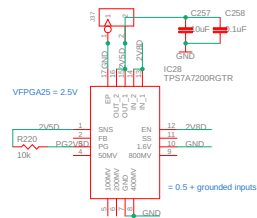
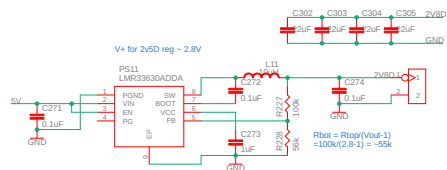
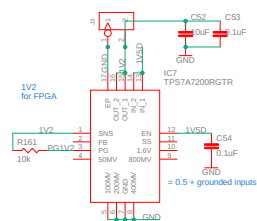




Need + and - 2.5V for the amplifiers



Need separate -2V5 supplies for inputs A and B because each needs more than 100mA and each of these negative regulators can only make 200mA

[illegible]

Need 3v3 plus 1v1 and 1v9 for the main ADC

