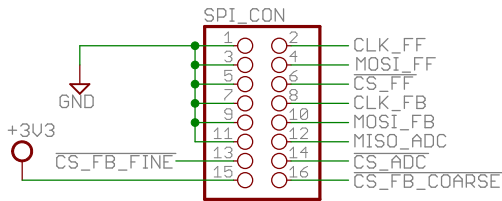


Connections to the main circuit board

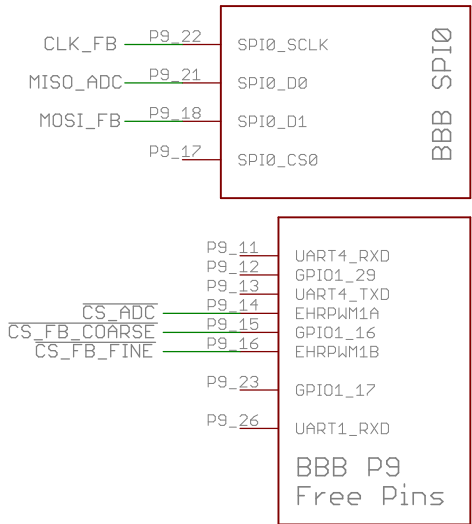
Header connector to the isolators on the main circuit board



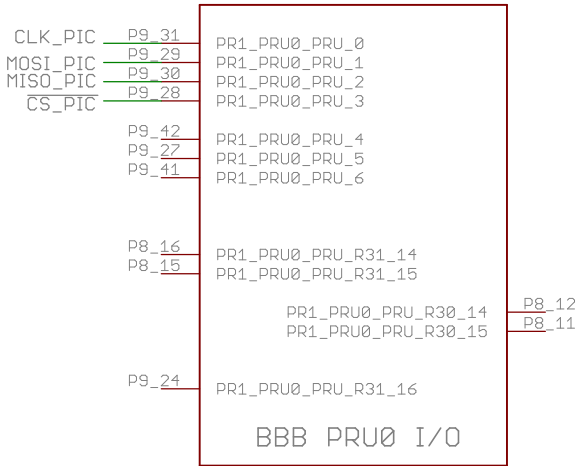
The BeagleBone only supports +3.3V on all I/O pins.
Do not connect to 5V logic signals!

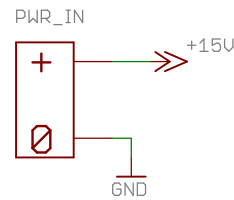
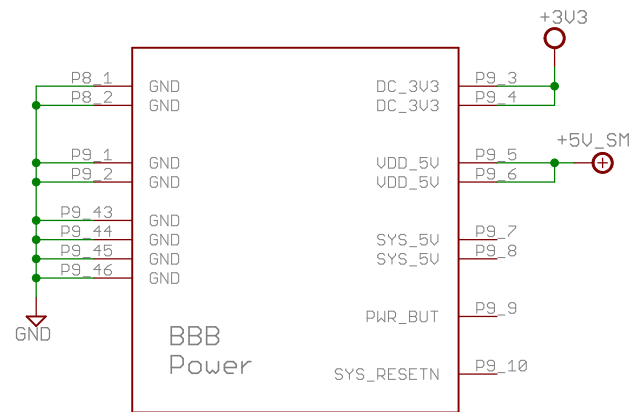
Software is for MOSI_PIC and MISO_PIC pins swapped around - should do this manually for v2 boards and swap traces when designing v3 (JET)

Feedback / ADC SPI connections
(CLK_FB, MOSI_FB, MISO_ADC, CS_FB_COARSE, CS_FB_FINE, CS_ADC)



Feedforward SPI connections
(CLK_FF, MOSI_FF, CS_FF)

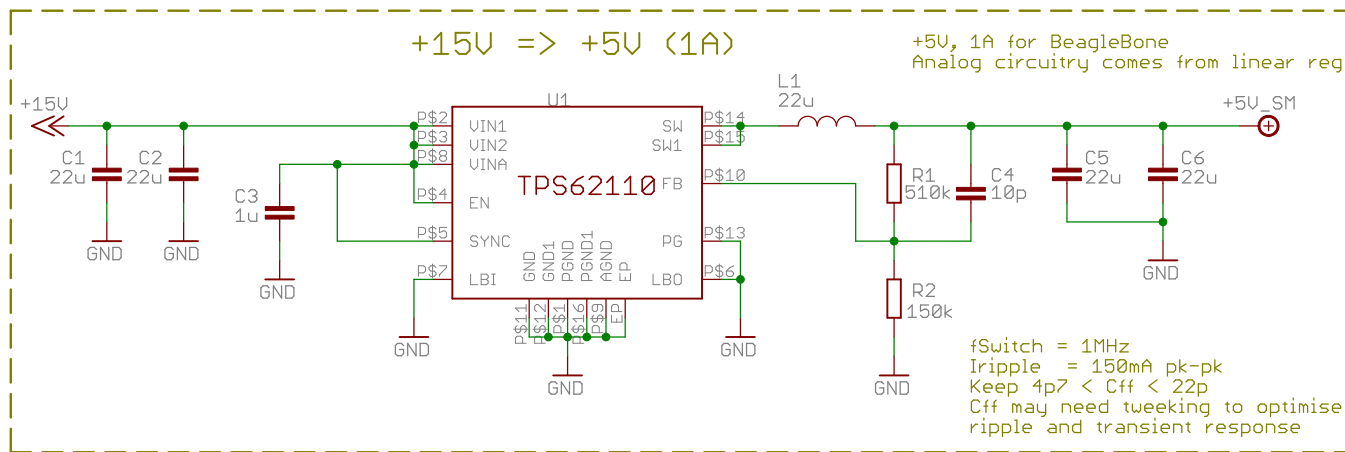


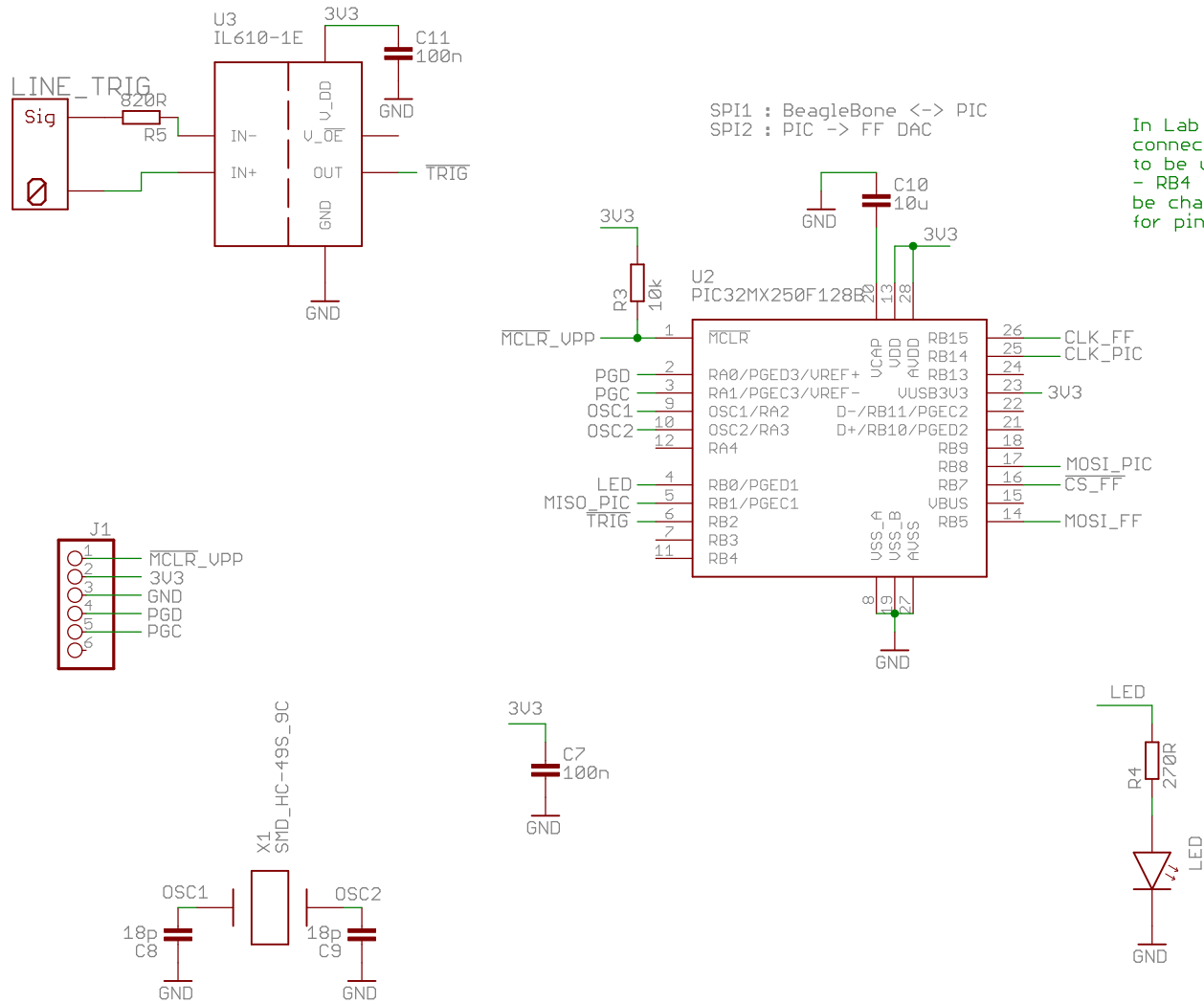


the TPS62110 regulator works for input voltages up to +17V



Screening can
Perancea PFL1T or PCMC1





In Lab 2 version of this board, pin 11 (RB4) is manually connected to pin 28 of P9 to allow for the slave select to be used. A similar connection should be made for v3 - RB4 is used in current firmware, but this could easily be changed to another pin if desired (see datasheet for pins that could be used)