

A

B

C

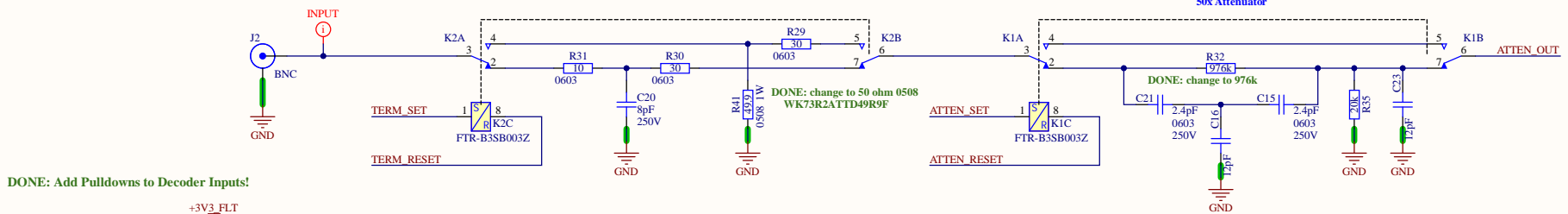
D

A

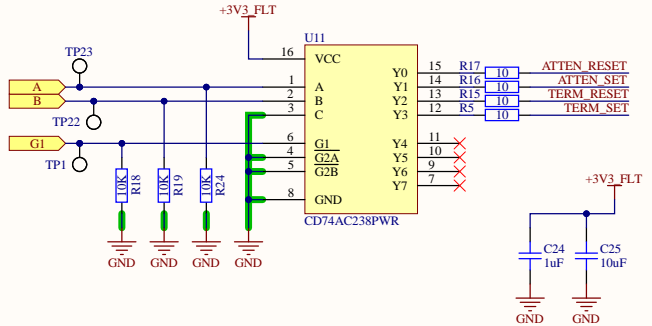
B

C

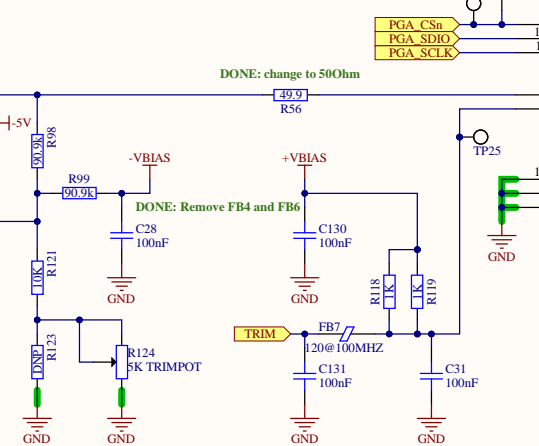
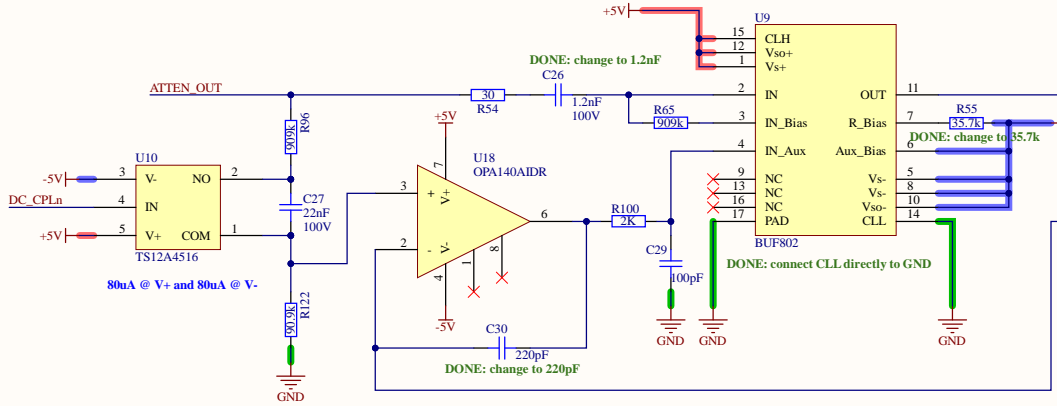
D



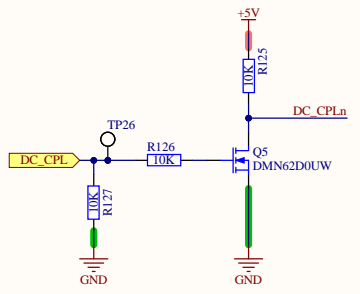
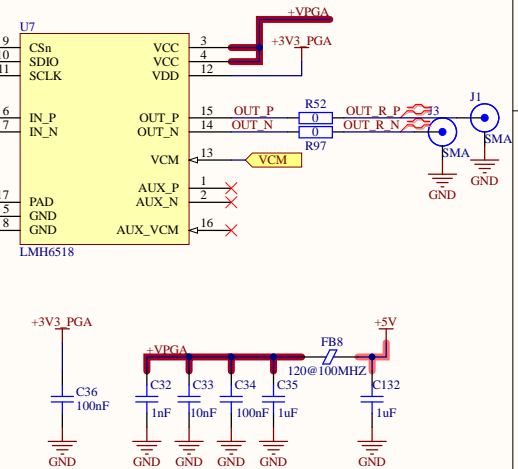
DONE: Add Pulldowns to Decoder Inputs!



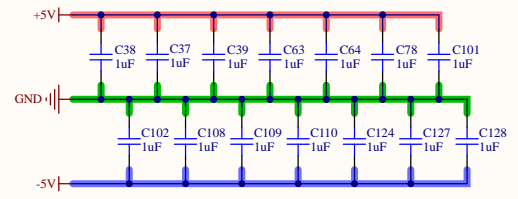
Max current for 35.7kOhm R_Bias: 24mA @ V+ and 24mA @ V-
100k R_Bias will be lower: 17mA per rail was measured on the EVM



Max VCC current before configuration (AUX output on): 0.225A
Max VCC current after configuration turns off AUX output: 0.165A
Max VDD current: 0.35mA



DONE: remove ferrites on +/-5V to make planes easier to keep away from signal



DONE: Revert to Mechanical Trimpot

FTR-B3SA003Z has 64.3 Ohm Coil Resistance, 2.25V Must Operate Voltage, 0.051A @ 3.3V
FTR-B3SA4.5Z has 145 Ohm Coil Resistance, 3.38V Must Operate Voltage, 0.023A @ 3.3V
All 4.5V relays tested worked down to 3V

Use 3V relay instead of 4.5V (unit 9 ch3 atten relay could not switch)
but add a resistor in line with the coil to reduce current draw.