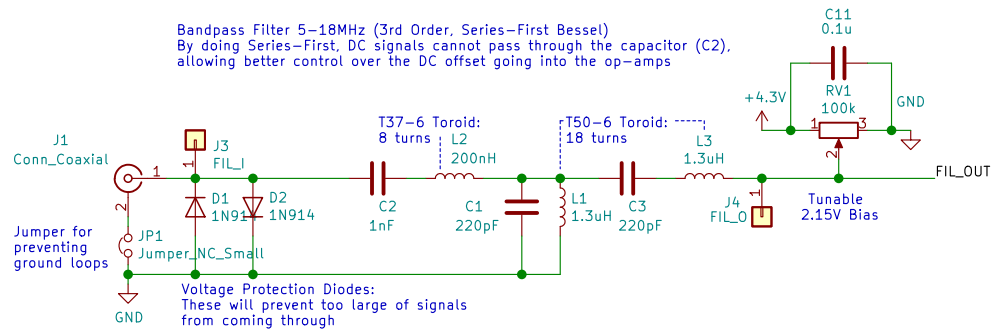
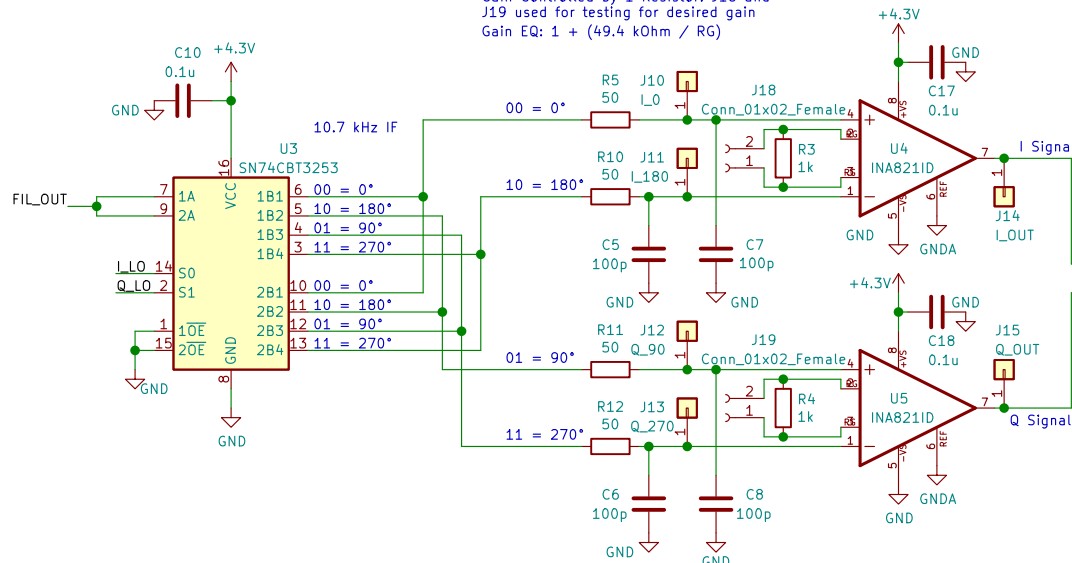


Bandpass Filter 5–18MHz (3rd Order, Series–First Bessel)  
By doing Series–First, DC signals cannot pass through the capacitor (C2), allowing better control over the DC offset going into the op–amps



Low Noise Instrumentation Amplifiers  
Gain Controlled by 1 Resistor, J18 and J19 used for testing for desired gain  
Gain EQ:  $1 + (49.4 \text{ k}\Omega / R_G)$



Johnson Counter CLK/4 Circuit using 74AC74 dual flip flops

