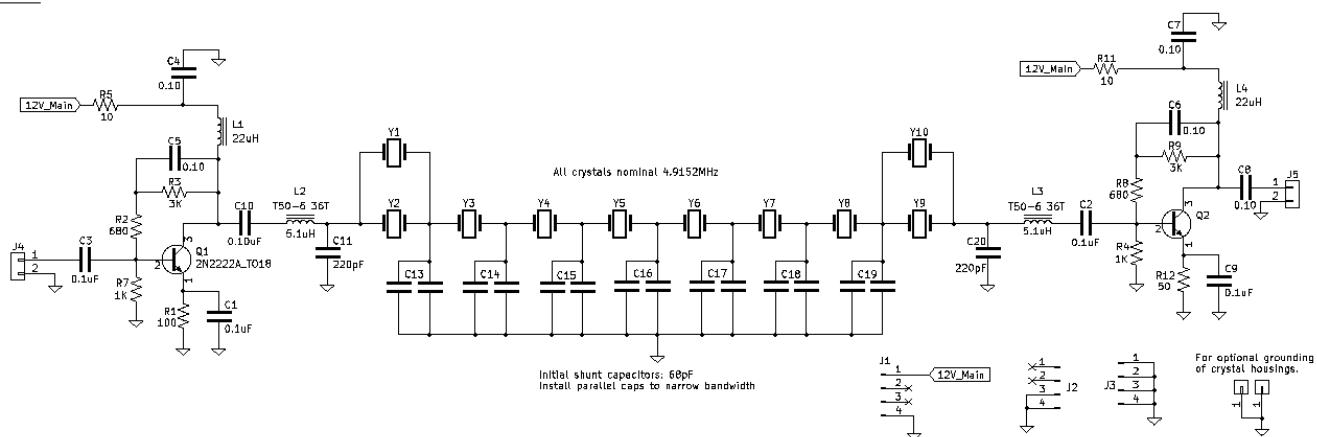


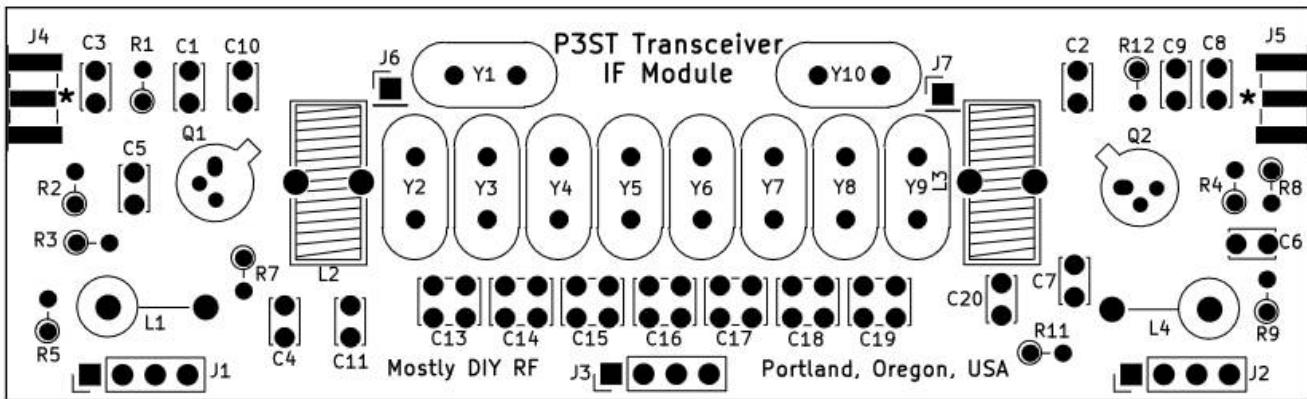
# Mostly DIY RF / P3ST Transceiver Kit

## IF Module

Some would say a crystal-based IF filter is the very heart and soul of a good SSB rig. There's no doubt that a clean, ripple-free and narrow-skirted "xtal" filter is essential for excellent performance, especially in a receiver. This one is an 8-pole QER (quasi-equiripple) type. The parallel crystals at each end minimize passband ripple in a properly-terminated filter. In part, this termination is provided by flanking amplifiers and by L-match networks (L2/C11 and L3/C20). In the P3ST, relays switch the IF module between transmit and receive modes.



## Assembly Diagram



For more information on the assembly and testing of the IF module  
see the project documentation at:

<https://github.com/mostlydiyrf/p3st/tree/main/docs>