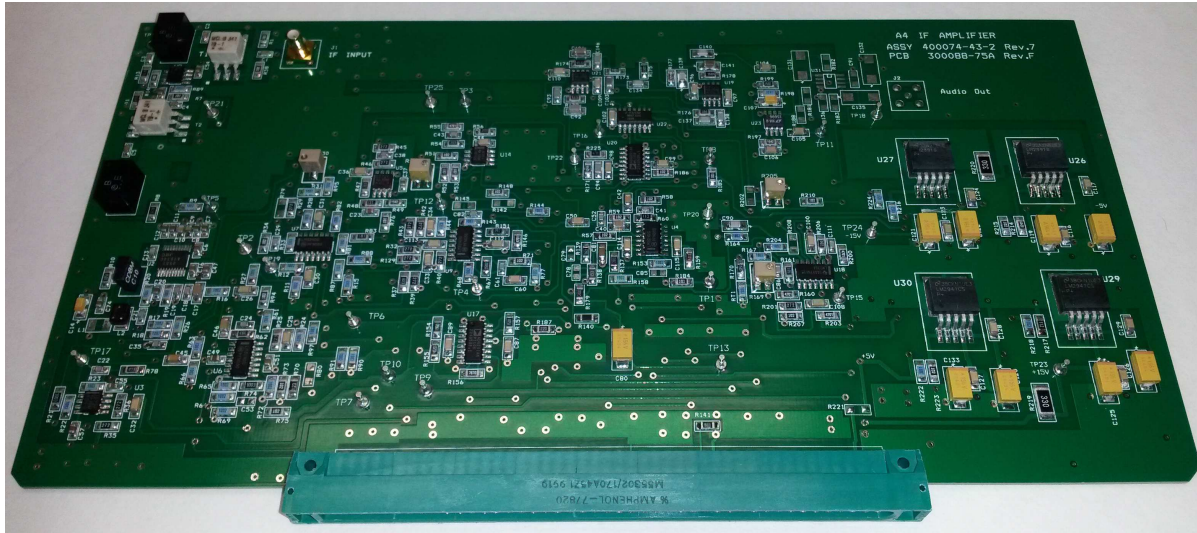


**IF AMPLIFIER 400074-43 REV.7****1. General Information**

Once the A4 board has been installed, it has to be aligned. The original factory alignment may not be suitable for a particular DF Receiver.

**2. Test Points**

Test Point	Function	Typically Measured
TP1	455 kHz Input Signal	-110 to -10 dBm
TP2	AFC	-3V at 440 kHz to +3V at 470 kHz
TP3	Noise Test	Normal +5V, Low if RF amp damaged
TP4	RF Signal Level	0.45@-110 dBm and +4.3@-20 dBm
TP5	455 kHz Signal	-100 to -20 dBm
TP6	FM Audio Output	1.5 to 2 V pp
TP7	DF Spikes Aux Output	Not used
TP8	AM Audio Output	1.5 to 2.5 V pp
TP9	RF Signal Level	0.45@-110 dBm and +4.3@-20 dBm
TP10	DF Spikes Output	Buffered DF spikes
TP11	Demodulated Filtered Audio	1.5 to 2.5 V pp
TP12	AGC Output	-1V@-100 dBm to -13V@-10 dBm
TP13	Audio Output to Front Panel	1 to 10V into 600 ohms load
TP14	DF Spikes Main Output	2Vpp typ.
TP15	AM Dropout	+5V when AM <50%
TP16	RF Signal Present	+5V when RF signal above Squelch
TP17	FM Discriminator Buffered Output	0 to +5V
TP18	Voice Recorder Output	Not used
TP19	RF AGC	not used
TP22	Audio After AM/FM switch	1.5 to 2.5 V pp
P1-A30	AM/FM switch	0V – AM / + 5V FM