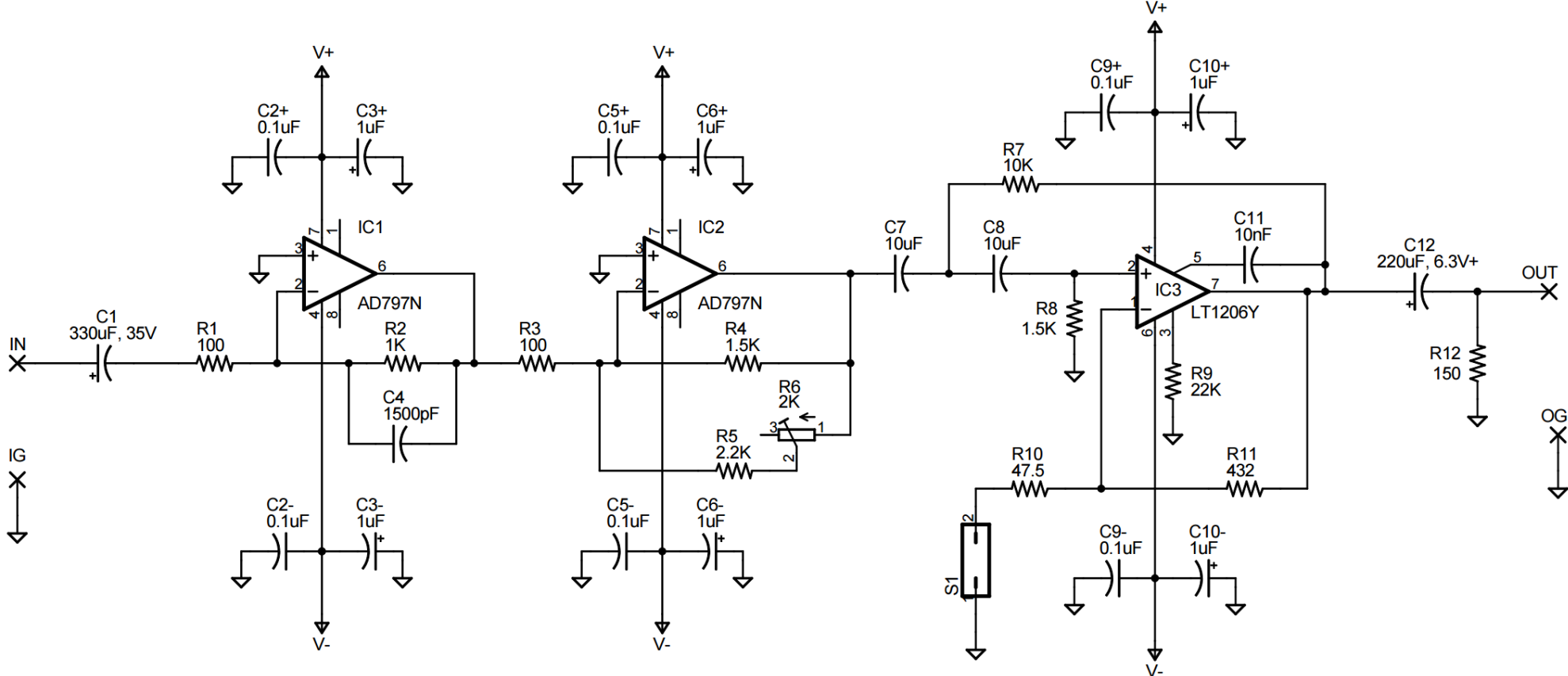
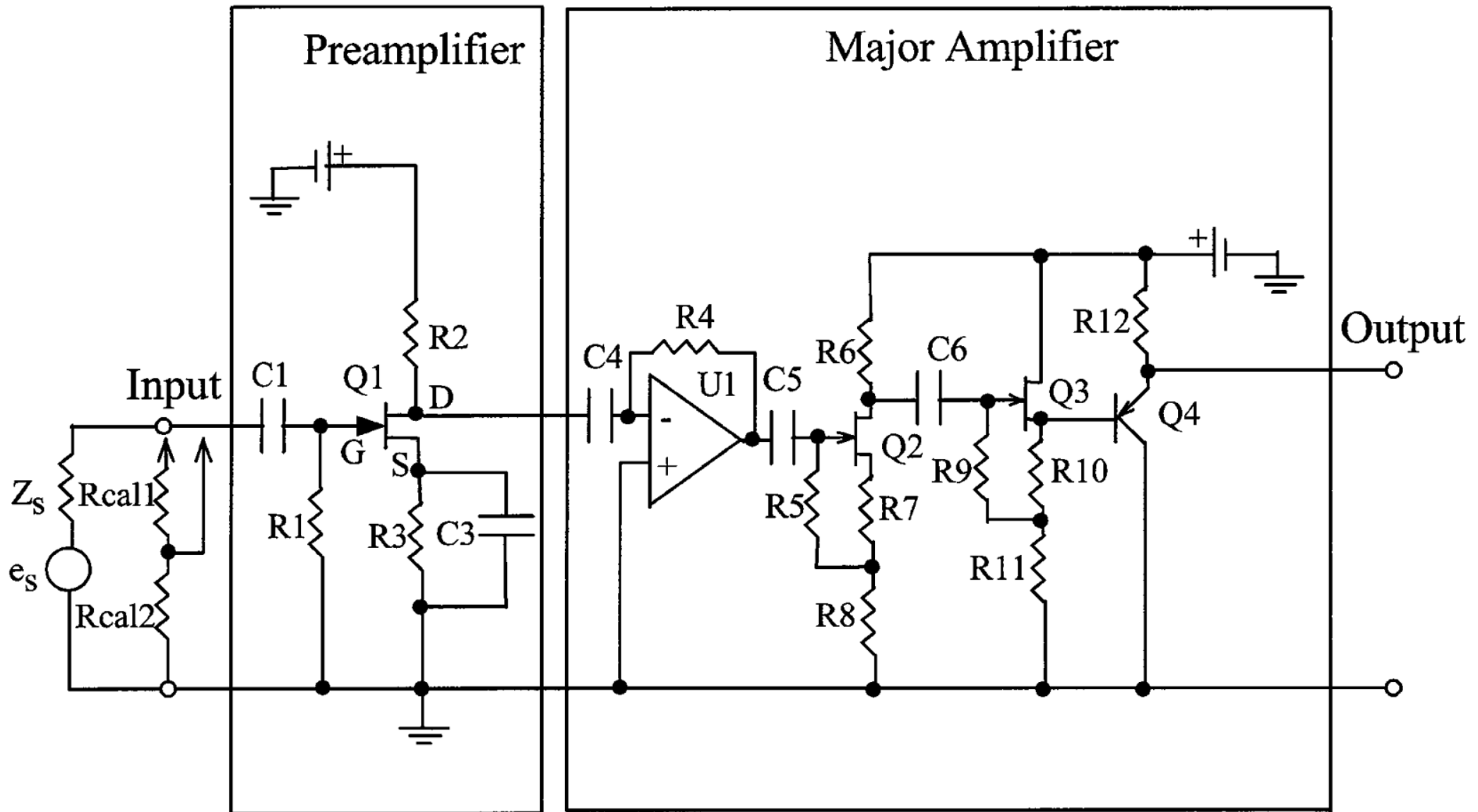


tangentsoft - Jul 2004 - Low-Noise Measurement Preamplifier





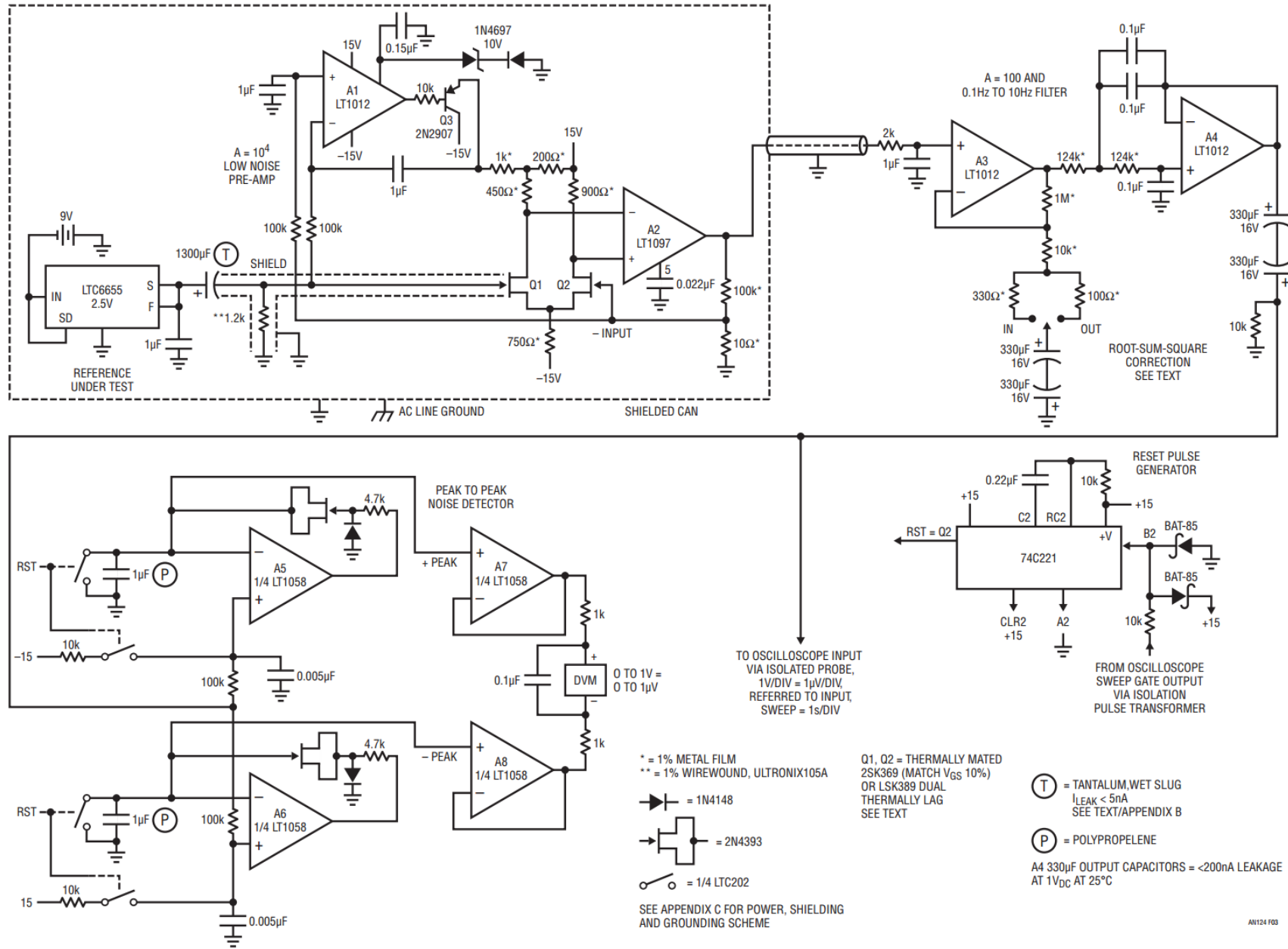
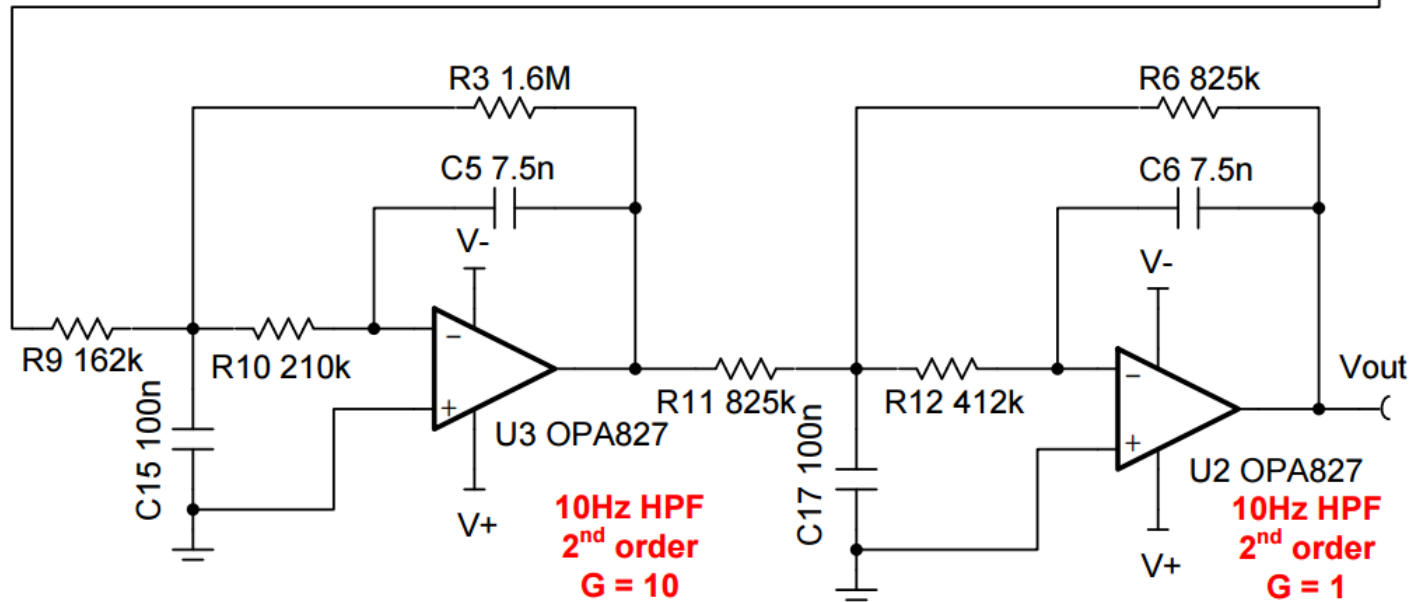
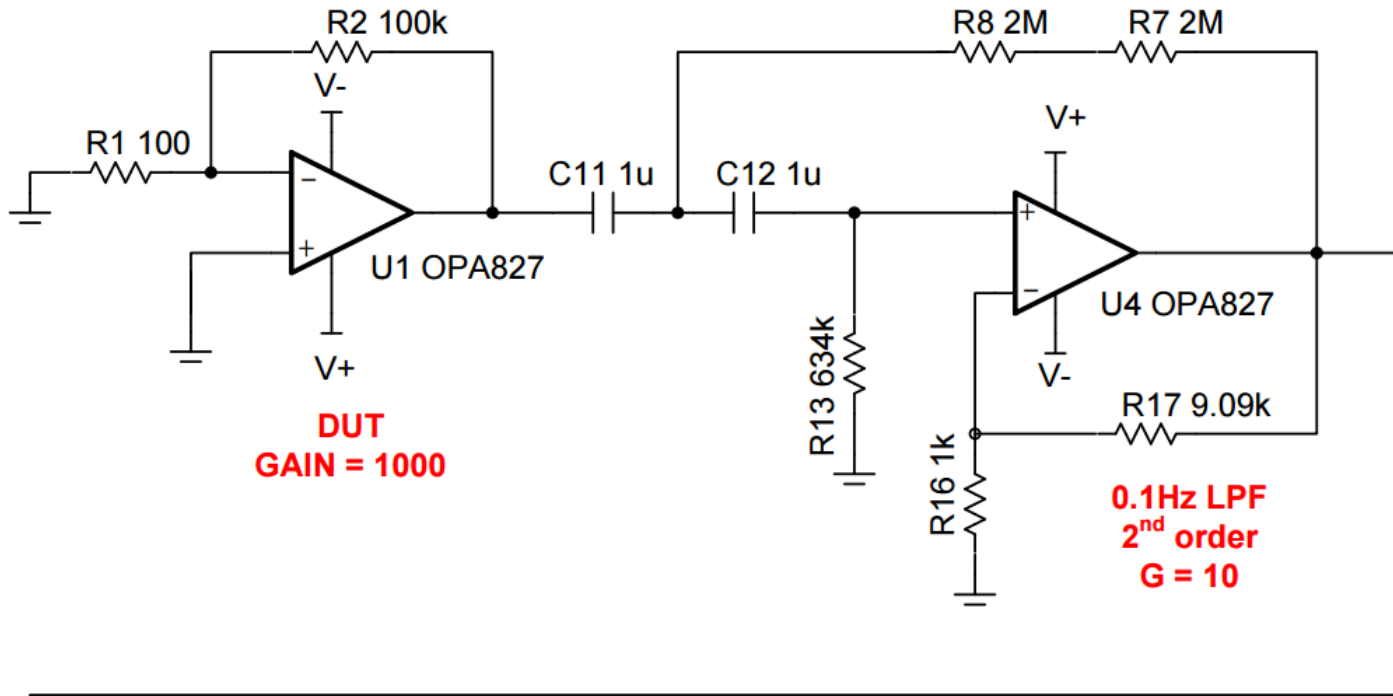
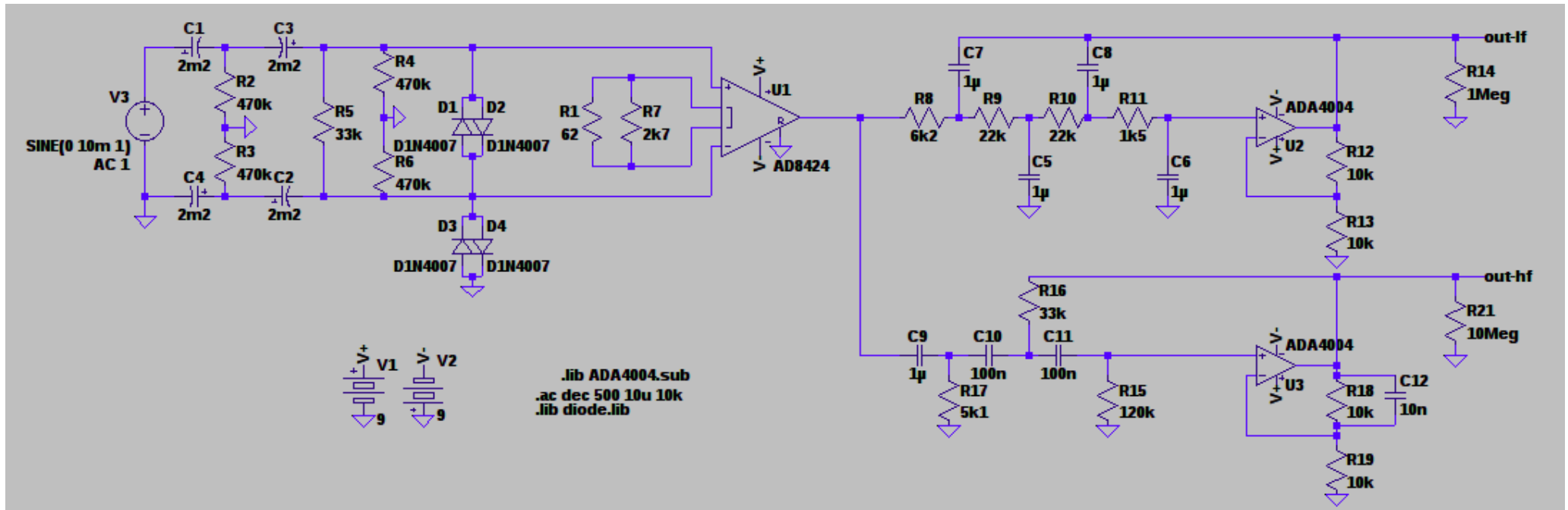
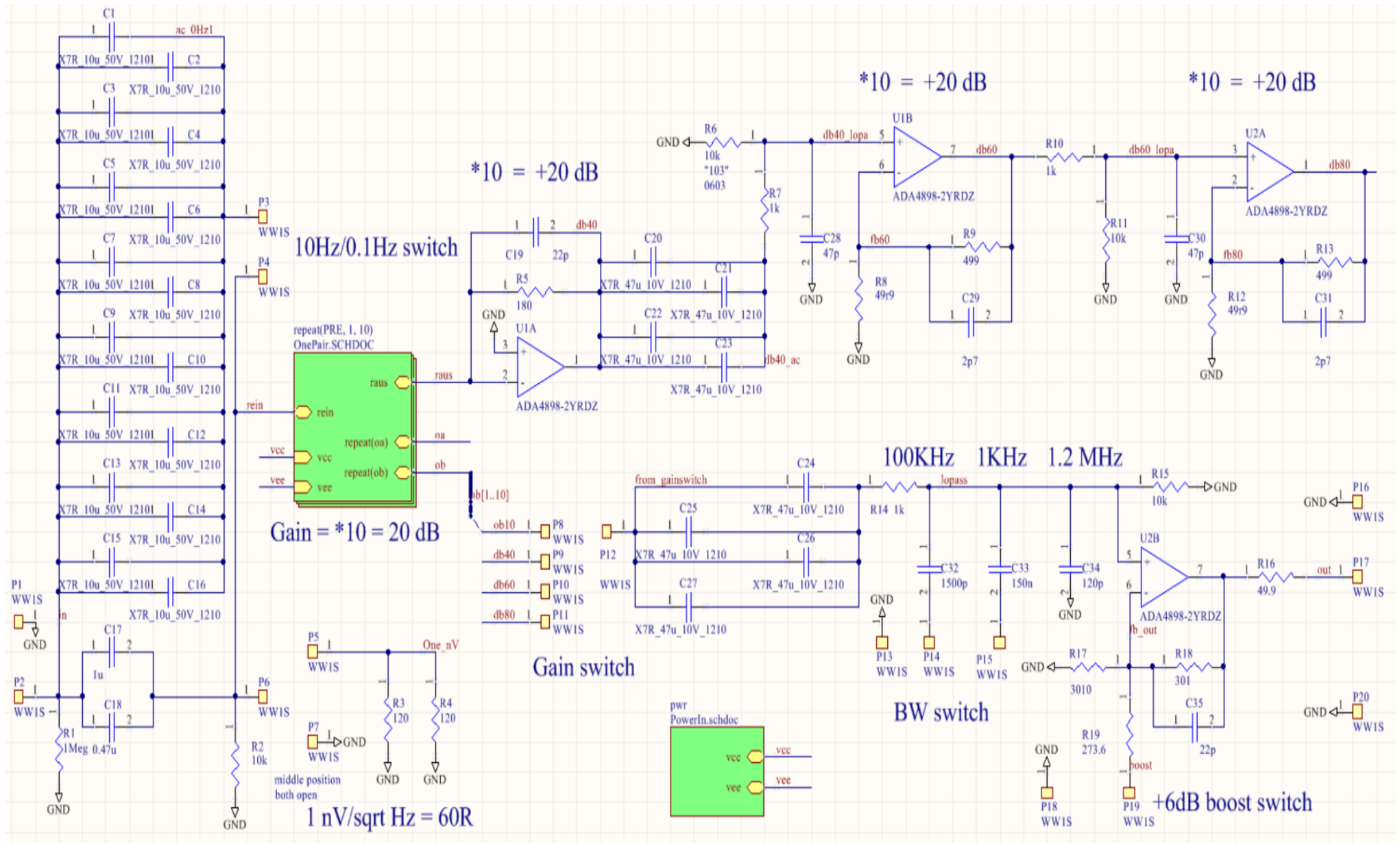


Figure 3. Detailed Noise Test Circuitry. Thermally Lagged Q1-Q2 Low Noise J-FET Pair Is DC Stabilized by A1-Q3; A2 Delivers A = 10,000 Pre-Amplifier Output. A3-A4 form 0.1Hz to 10Hz, A = 100, Bandpass Filter; Total Gain Referred to Pre-Amplifier Input Is 10^6 . Peak to Peak Noise Detector, Reset by Monitoring Oscilloscope Sweep Gate, Supplies DVM Output

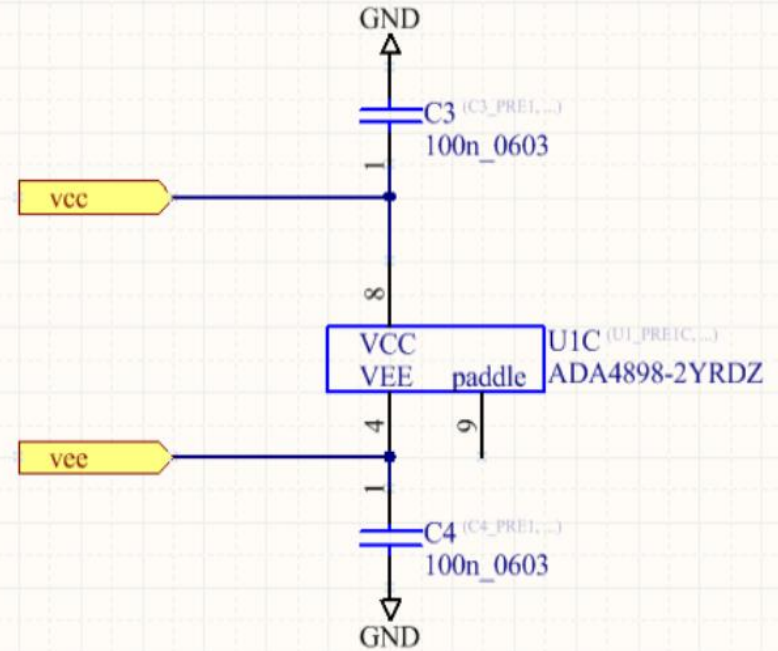
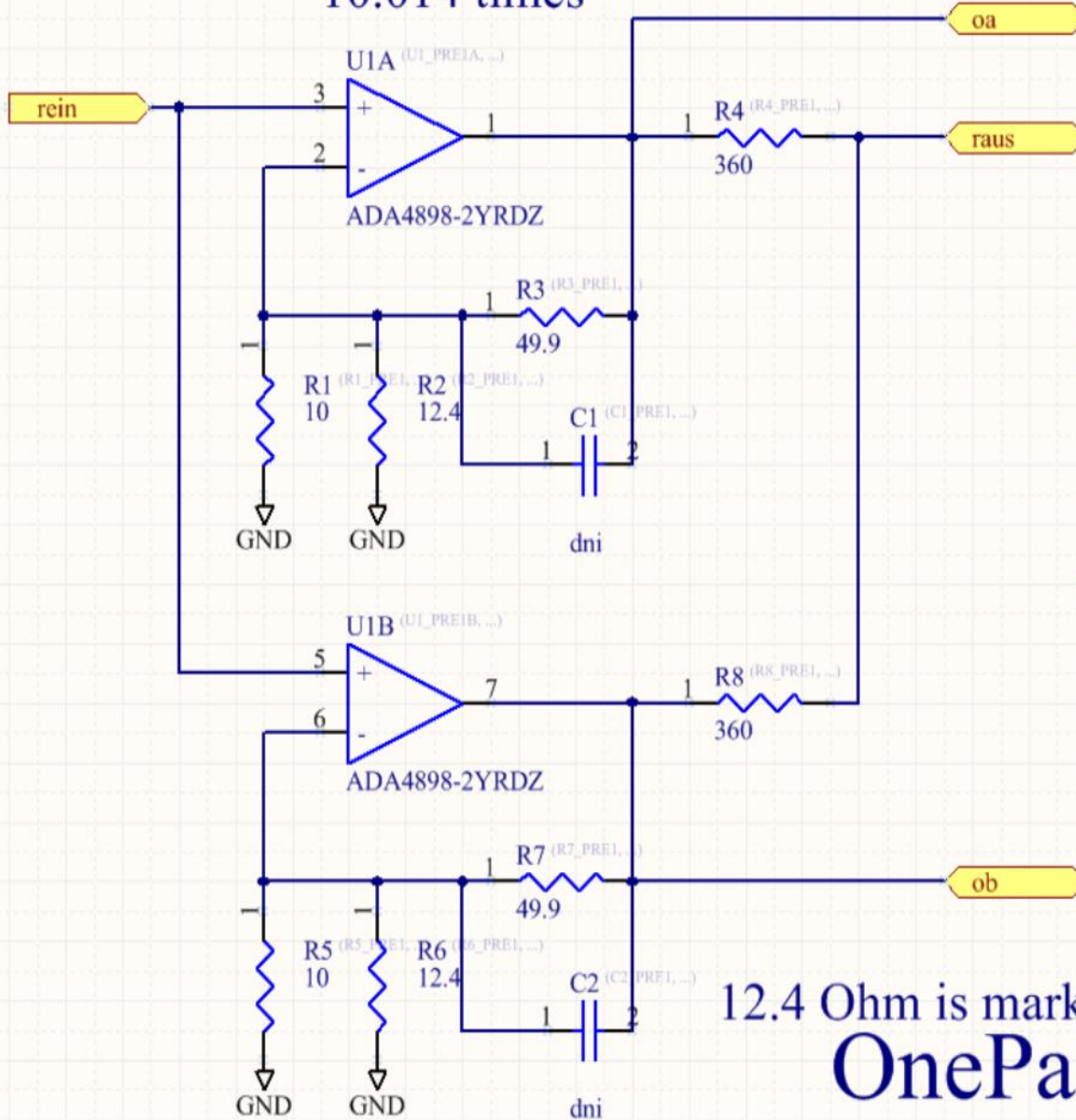


c4757p – Jan 2014 – Op amp for amplifying 5uV of noise to 200uV





10.014 times

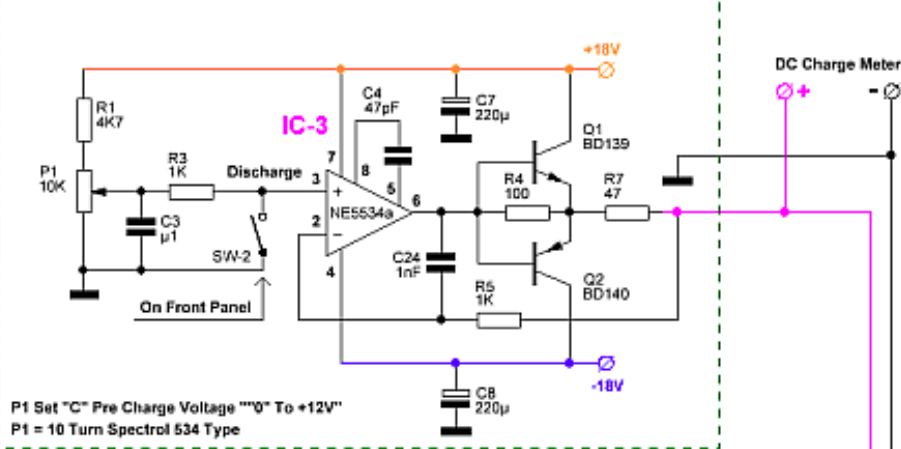


paddle may float

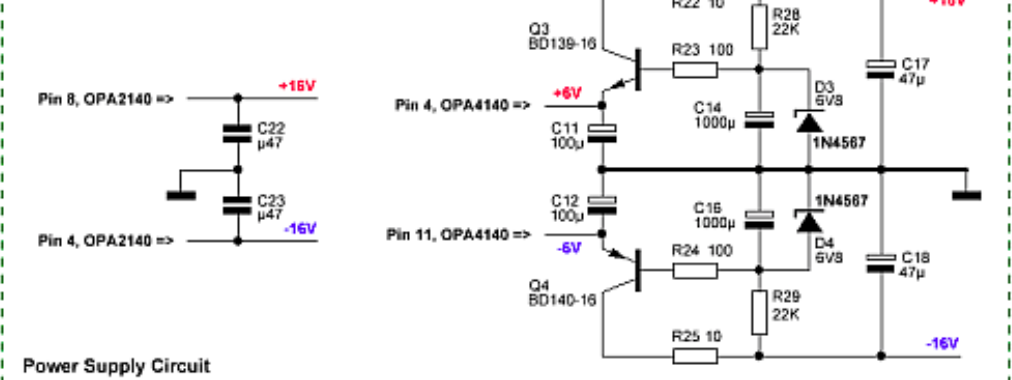
12.4 Ohm is marked "10R" on the chips (braindead!)

OnePair.schdoc

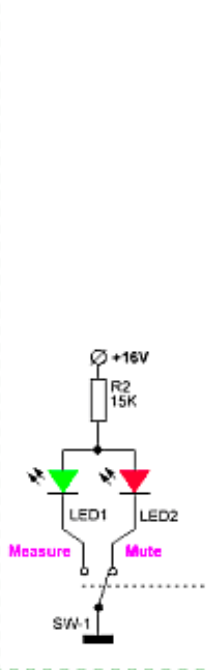
Input Capacitor "Charging/Discharge" Circuit



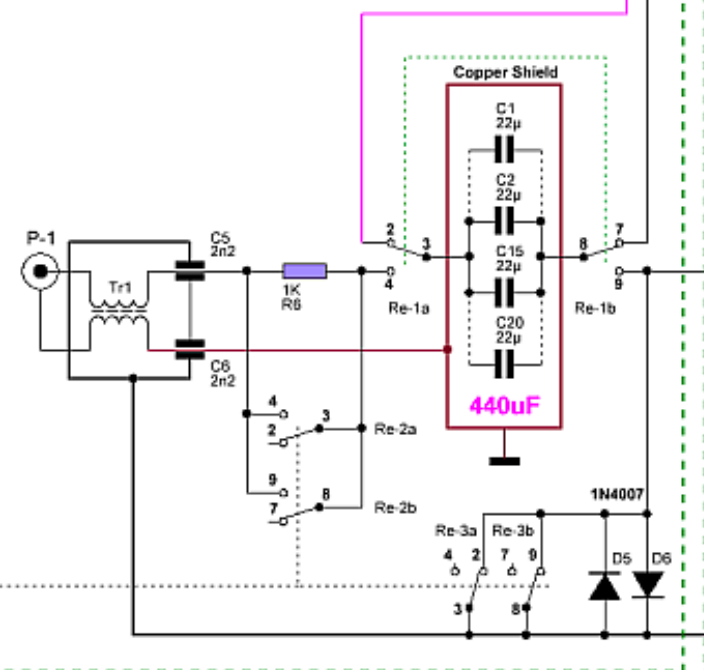
Preamp Circuit Board



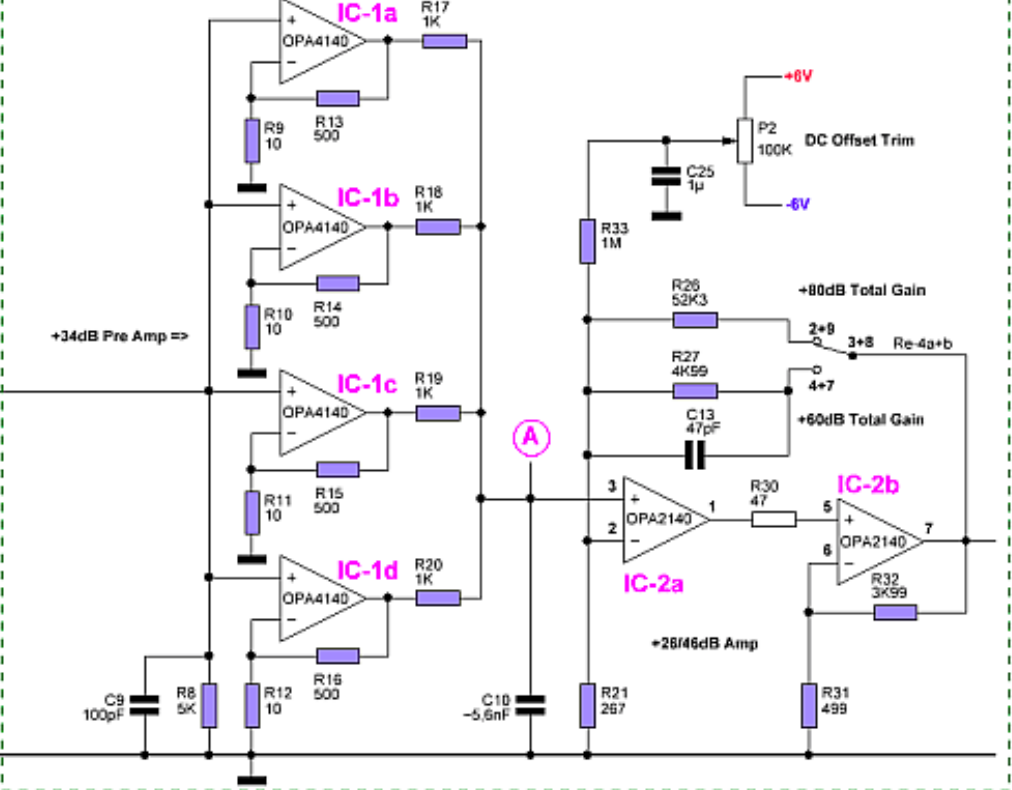
Switch On Front

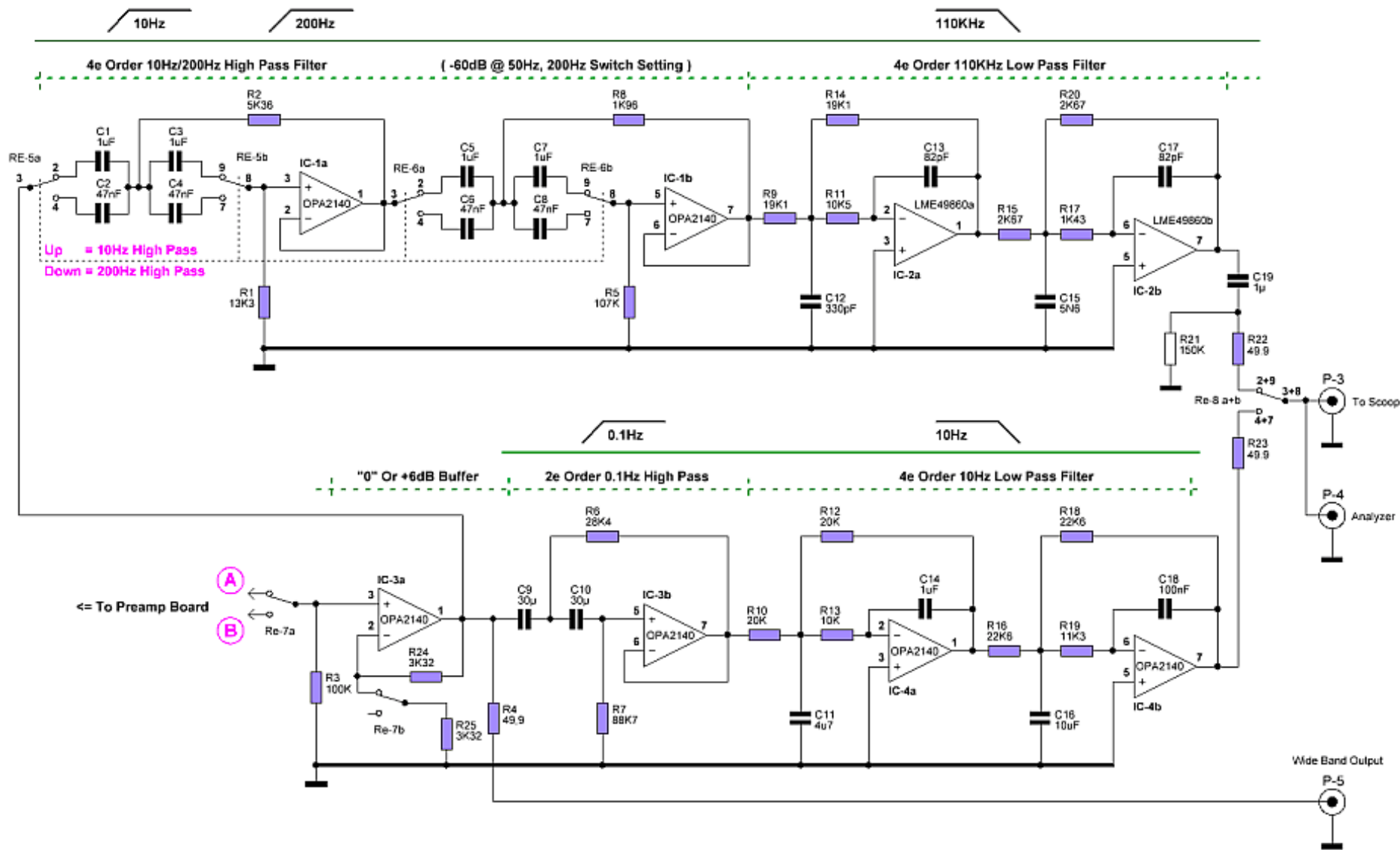


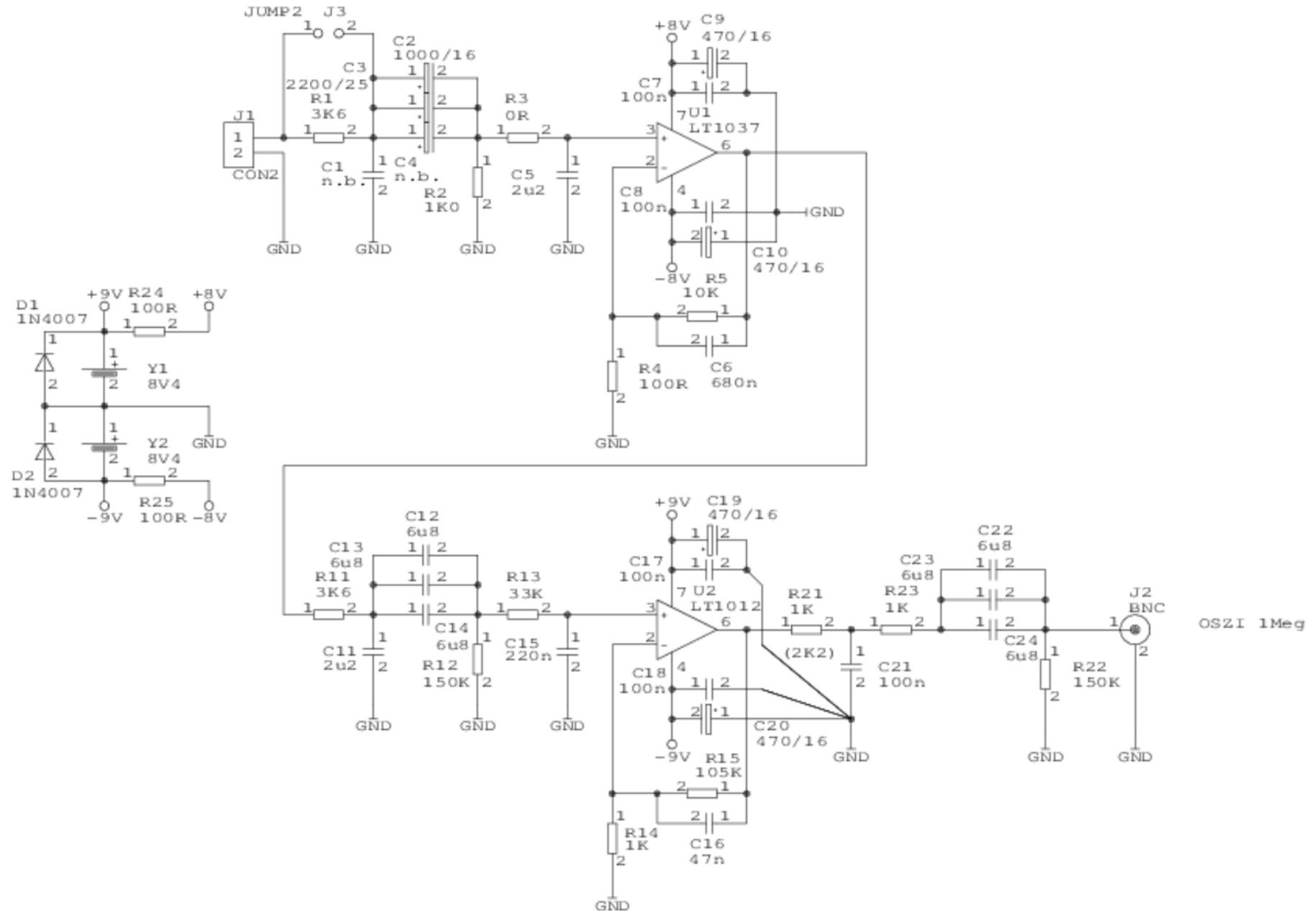
Input Section



PreAmp Circuit







Todd Owen and Amit Patel – Feb 2016 – AN159 - Measuring 2nV/√Hz Noise and 120dB Supply Rejection on Linear Regulators (single input)

