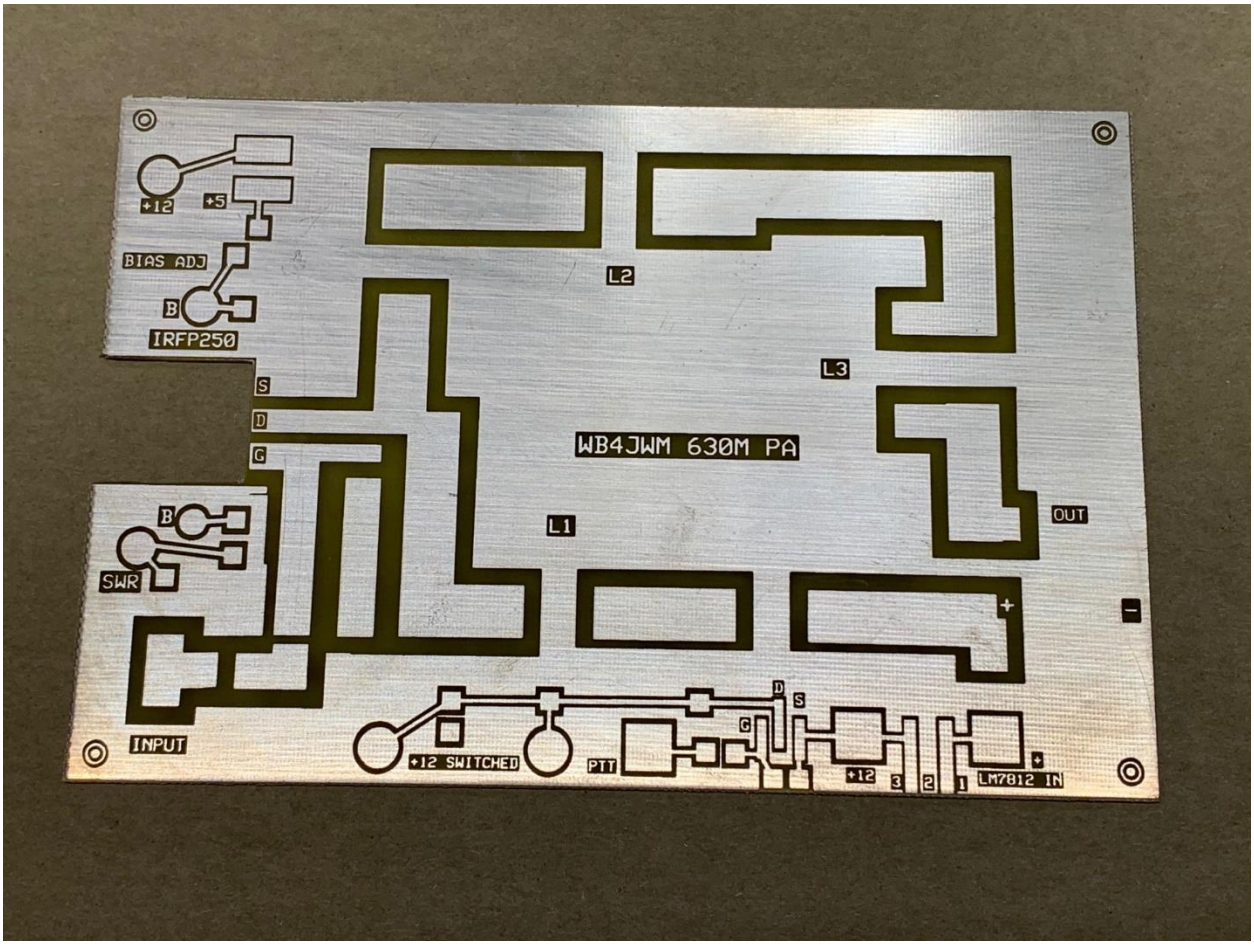
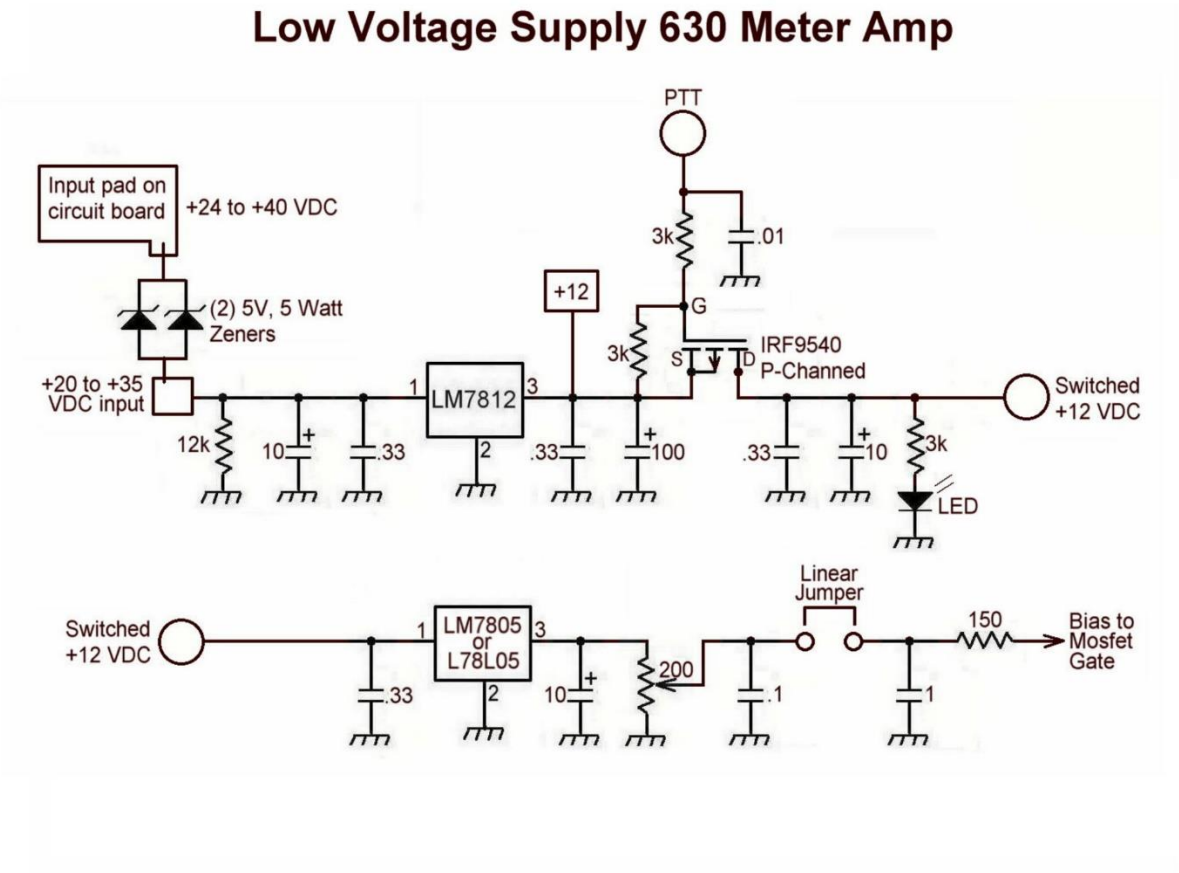
CIRCUIT BOARD FOR 630M AMPS

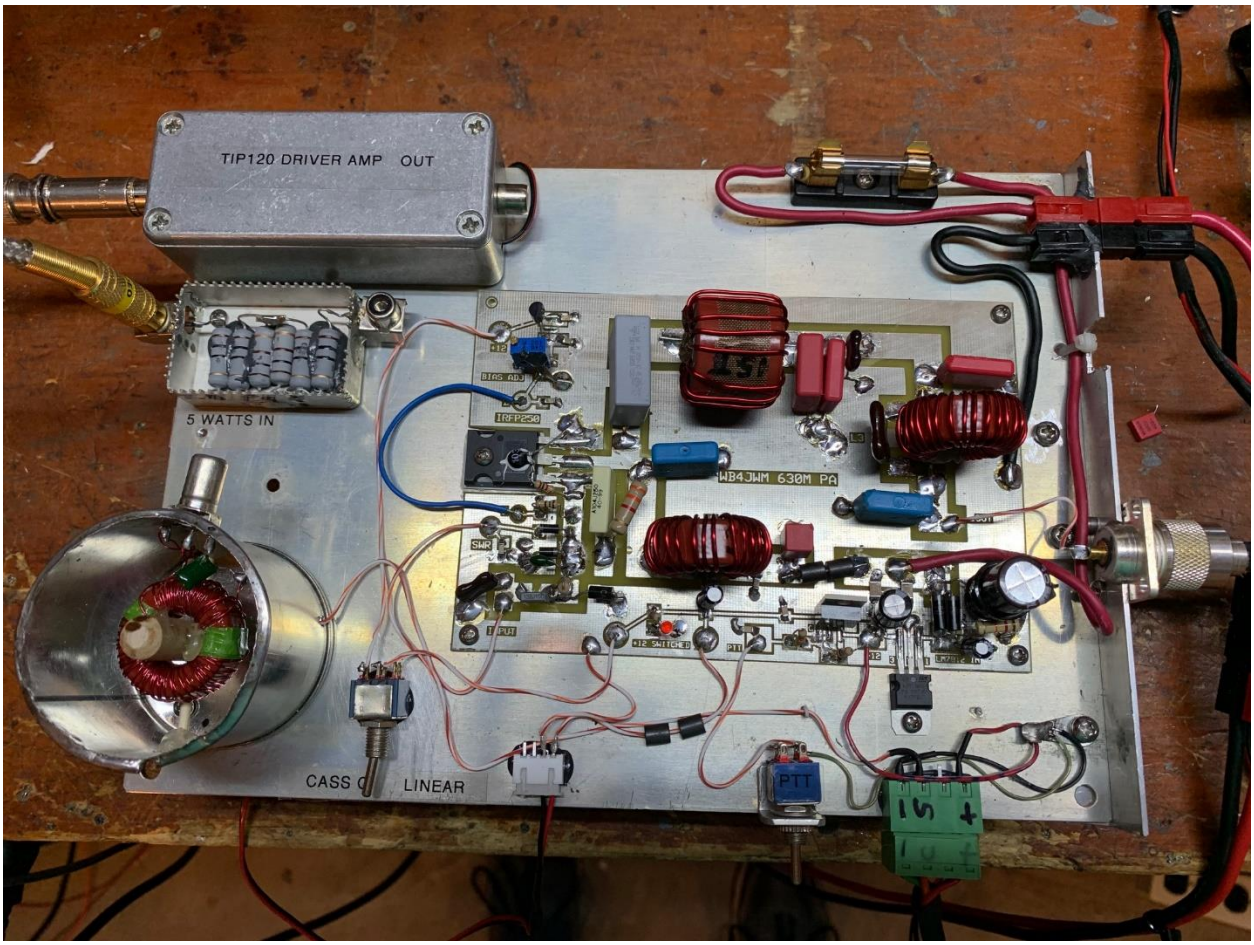
I have designed a circuit board that works for my amplifier designs, and many others using a single MOSFET switch. All components will mount on the foil side as surface mount. The pads are designed to utilize both SMD, conventional or a combination of both. The board is 4” X 6” with a cutout for the MOSFET. The board is designed to lay flat on the chassis or heatsink. I have them available for $35.00 shipped to USA. These boards are FR 4 glass epoxy, 1/16 1 oz. copper, tin plated, and sent with a ceramic insulator for the MOSFET. Ceramic is the best for heat transfer. The boards are produced by a USA PCB company, and I’m only recovering my cost for the boards (shipping included). If interested email me at my QRZ.com address.





Schematic for the low voltage circuits on the PA board

This Circuit Is designed to take care of the switching circuits for the amplifier. I now prefer leaving the Drain of the RF MOSFET hot all the time, eliminating the need for the high current switching FET or relay. This circuit will take care of the necessary auxiliary switching, plus giving a continuous +12 VDC out of the LM7812. If not running the DC input above 35 VDC, a jumper can be used in place of the two 5V 5W Zeners.



The board is mounted on my bench test setup so every combination is added. Not all components are needed for a single type amplifier.