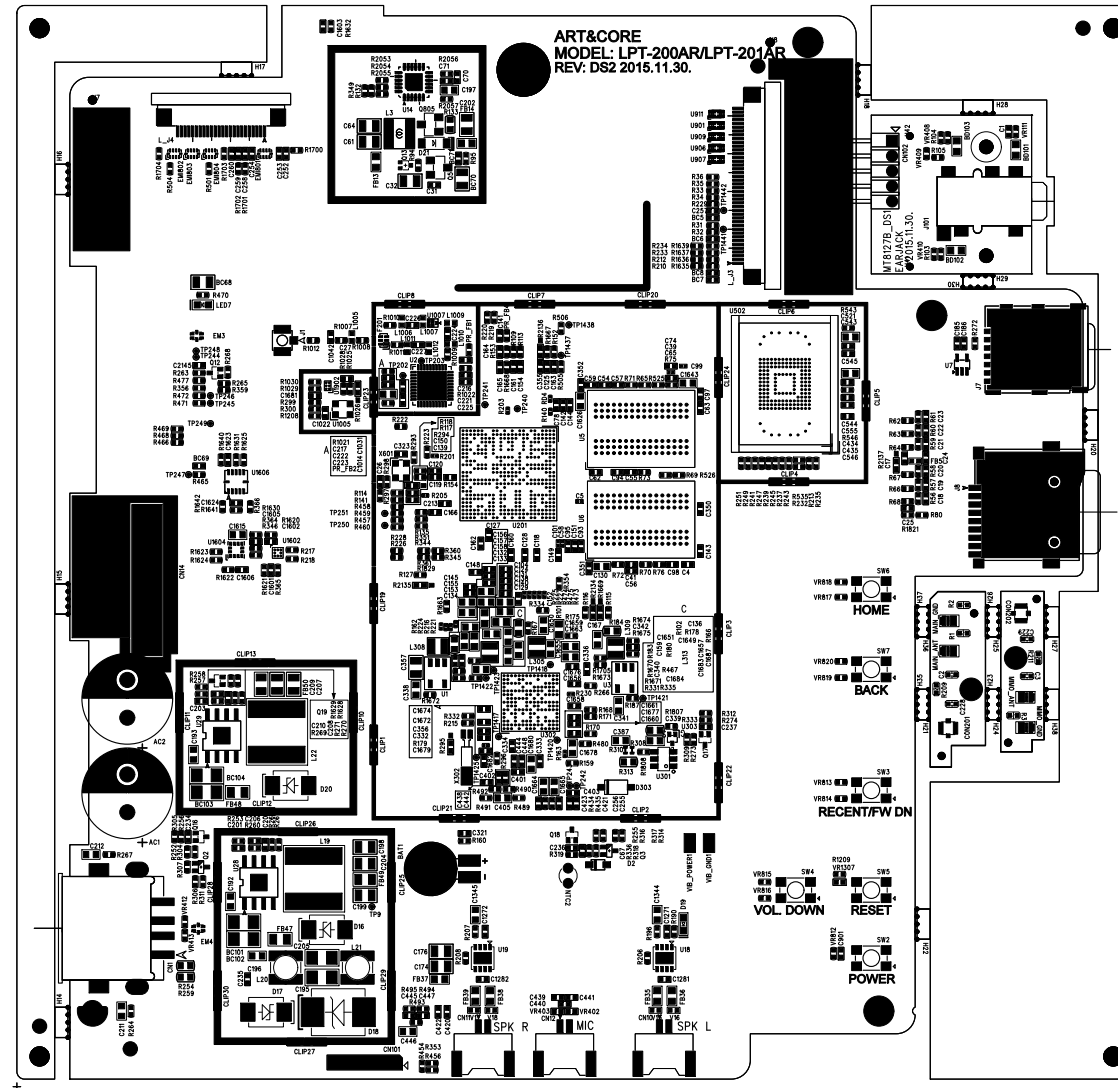


Assembly Top



This schematic illustrates the layout of a 100W power supply PCB. The layout is oriented with a 0° reference point at the top. Key components and their locations are as follows:

- Transformer:** Located in the upper left quadrant, featuring primary windings (100V, 100V, 100V) and secondary windings (100V, 100V, 100V).
- Rectifier:** A full-bridge rectifier is positioned in the upper right quadrant, consisting of four diodes (1N4007).
- Filter Capacitor:** A large electrolytic capacitor (1000µF, 50V) is located in the lower right quadrant.
- Power MOSFET:** A 100W MOSFET is positioned in the lower left quadrant.
- Gate Driver:** A gate driver circuit is located in the lower right quadrant, including a gate resistor (10K) and a gate capacitor (100nF).
- Control Circuit:** A control circuit is located in the upper right quadrant, including a 100K resistor, a 100nF capacitor, and a 100V Zener diode.
- Other Components:** Various other components are labeled, including resistors (10K, 100K, 100Ω), capacitors (100nF, 100µF, 1000µF), and diodes (1N4007, 1N4001).

The layout is oriented with a 0° reference point at the top, and the components are arranged in a compact, efficient manner.