

Power

The power supply circuit for the LM317 voltage regulator is shown. The input is +36V, which is connected to the ADJ pin (pin 3) of the LM317. The LM317 is configured as a voltage regulator with a feedback network consisting of a 10K resistor (RV4) and a 3386F diode. The output of the regulator is connected to a +12V output. The circuit includes several decoupling capacitors: C17 (100nF ceramic), C18 (10uF/50V low ESR), C19 (1uF/63V electrolytic), C20 (10uF/50V low ESR), C21 (10uF/50V low ESR), and C2 (100nF ceramic). The input and output are connected to metal film resistors R10, R11, R12, R13, and R14. The ground connections are labeled GND_Power and GND_Audio_Input.

Net Ties

The diagram illustrates a Net Tie connection. A horizontal line represents the net, with the label "NT1" above it and "NetTie_2" below it. The line is blue on the left and red on the right. It connects two ground symbols: a triangular ground symbol on the left labeled "GND_Audio_Input" and a circular ground symbol on the right labeled "GND_Power".