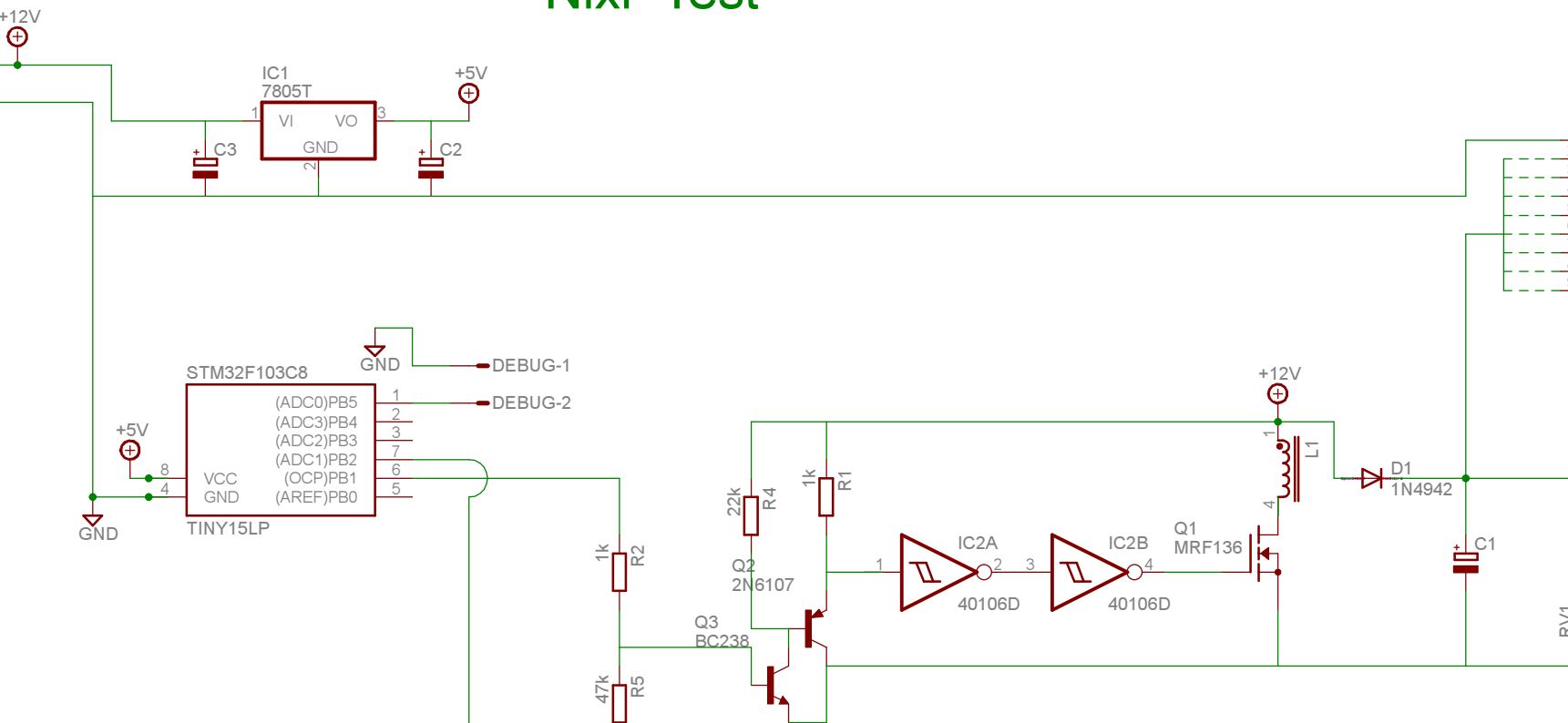


Nixi Test



The circuit diagram, titled "Nixi Test", illustrates the electrical connections for a high-voltage testing setup. It features two main integrated circuits: an IC1 7805T voltage regulator and an STM32F103C8 microcontroller. The 7805T is powered by a +12V source (12V-1) and provides a +5V output (5V) to the microcontroller's VCC pin. The microcontroller is also powered by a +5V source and has its GND connected to the system ground. The microcontroller's pins are configured for debugging (DEBUG-1, DEBUG-2) and are connected to a network of resistors (R1, R2, R3, R4, R5) and transistors (Q1, Q2, Q3). The output of the microcontroller drives a relay (L1) through a diode (D1, 1N4942) and a capacitor (C1). The relay is connected to a high-voltage source (HV 100-400 V) and a sense resistor (RV1). The sense resistor is connected to a NIXI-SOCKET, which is further connected to a VT9-PT probe. The circuit also includes a +12V source (12V-1) and a GND-1 connection.