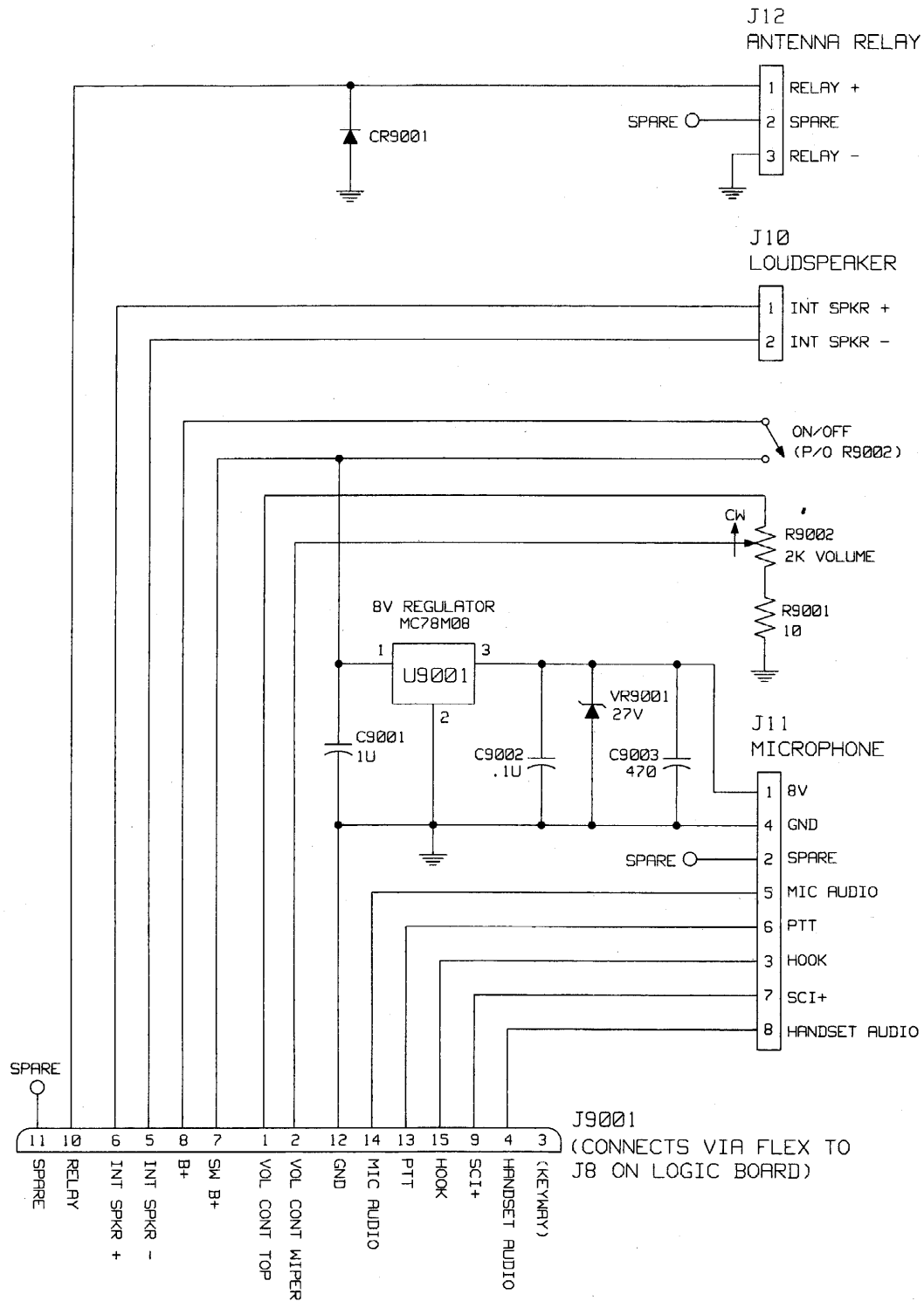
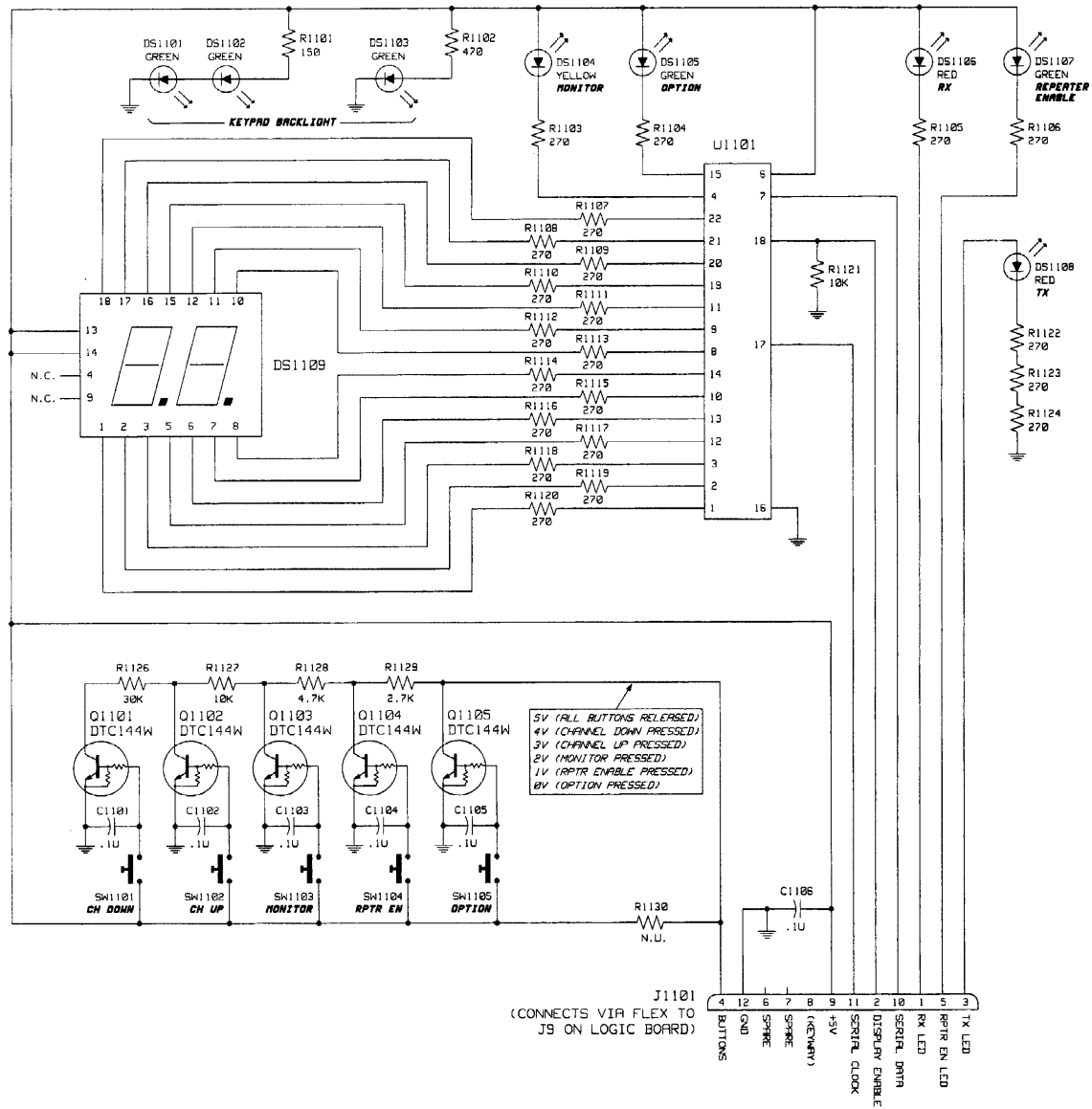


**SCHEMATIC DIAGRAMS**

This exhibit contains schematic diagrams of the transmitter in the same general format that will appear in the service manual. These diagrams show the entire transmitter system from the microphone push-to-talk switch to the antenna.

<b>EXHIBIT 5A</b>	Volume/Microphone Board Circuits (Part of optional front cover)
<b>EXHIBIT 5B</b>	Display Board Circuits (Part of optional front cover)
<b>EXHIBIT 5C</b>	Audio/Logic Board Circuits (2 sheets)
<b>EXHIBIT 5D</b>	DTMF Microphone Board Circuits
<b>EXHIBIT 5E</b>	Desk Microphone Board Circuits
<b>EXHIBIT 5F</b>	RF Board Circuits (3 sheets)
<b>EXHIBIT 5G</b>	RF Power Amplifier Board Circuits

VOLUME / MICROPHONE BOARD CIRCUITS

DISPLAY BOARD CIRCUITS

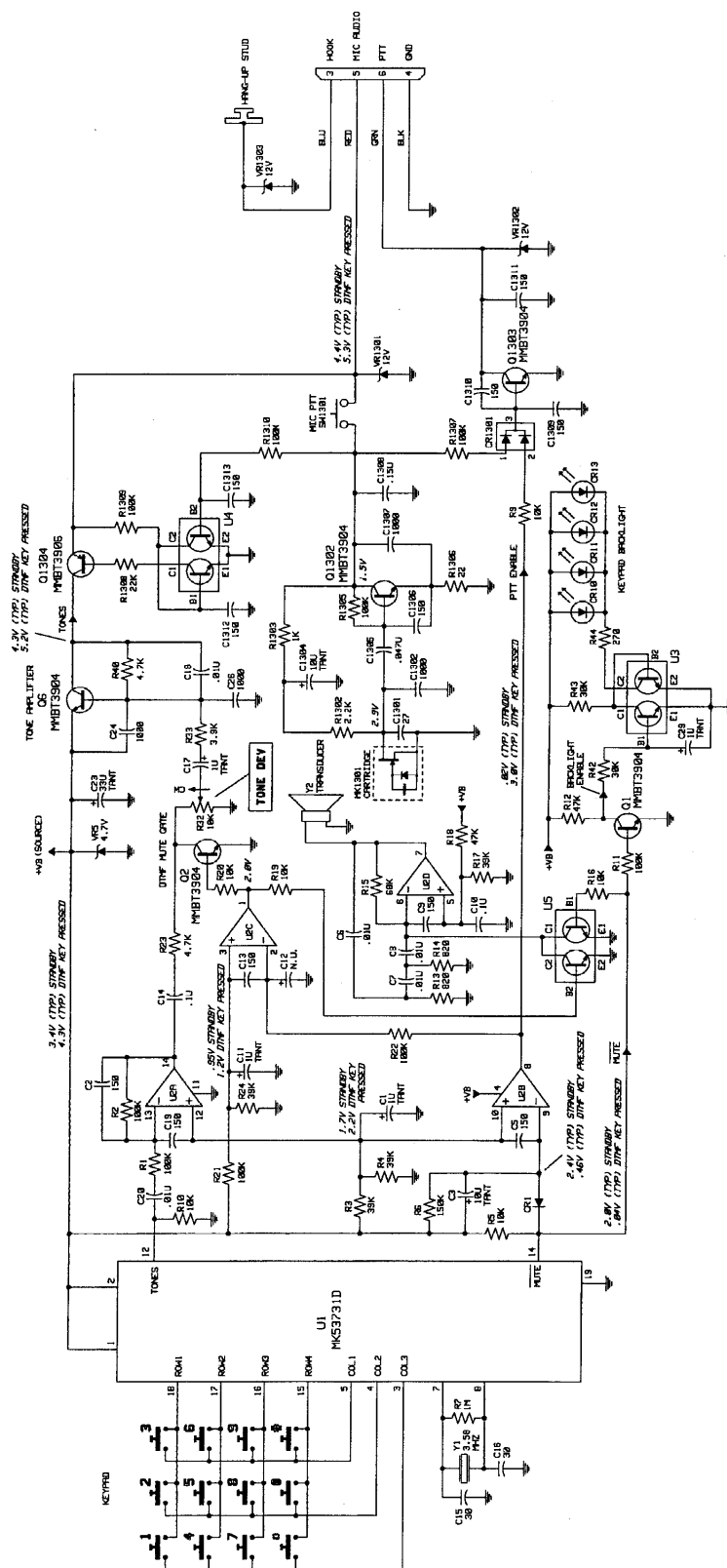
The schematic diagram illustrates a complex electronic circuit, likely a radio receiver or amplifier, centered around a 5B8C11K14 vacuum tube. The circuit is divided into several functional sections:

- Power Supply and Tuning Indicator:** The top left section shows a power supply with a 5V source and a tuning indicator circuit involving a 5B8C11K14 tube, a 100K resistor, and a 100K capacitor.
- Detector and Amplifier Stage:** The central section features a 5B8C11K14 tube connected to a 100K resistor and a 100K capacitor, with a 100K resistor and a 100K capacitor connected to the 5B8C11K14 tube.
- Multi-Band Converter Section:** The bottom section shows a multi-band converter circuit with a 5B8C11K14 tube, a 100K resistor, and a 100K capacitor, with a 100K resistor and a 100K capacitor connected to the 5B8C11K14 tube.
- Speaker Output and Power Switch:** The right side of the diagram shows a speaker output circuit with a 5B8C11K14 tube, a 100K resistor, and a 100K capacitor, with a 100K resistor and a 100K capacitor connected to the 5B8C11K14 tube.

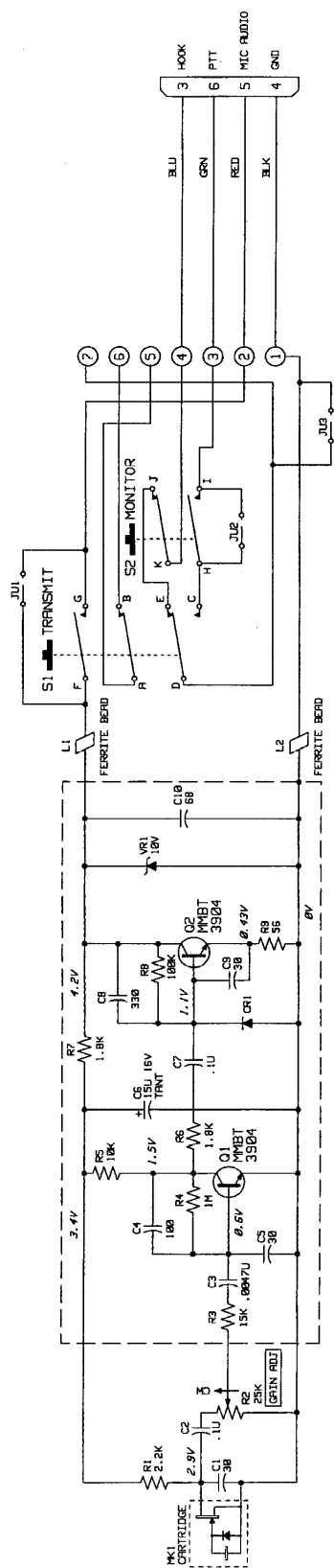
The diagram includes numerous component values, pin numbers, and functional blocks, providing a detailed view of the circuit's internal structure and connections.



## DTMF MICROPHONE BOARD CIRCUITS



## DESK MICROPHONE CIRCUITS



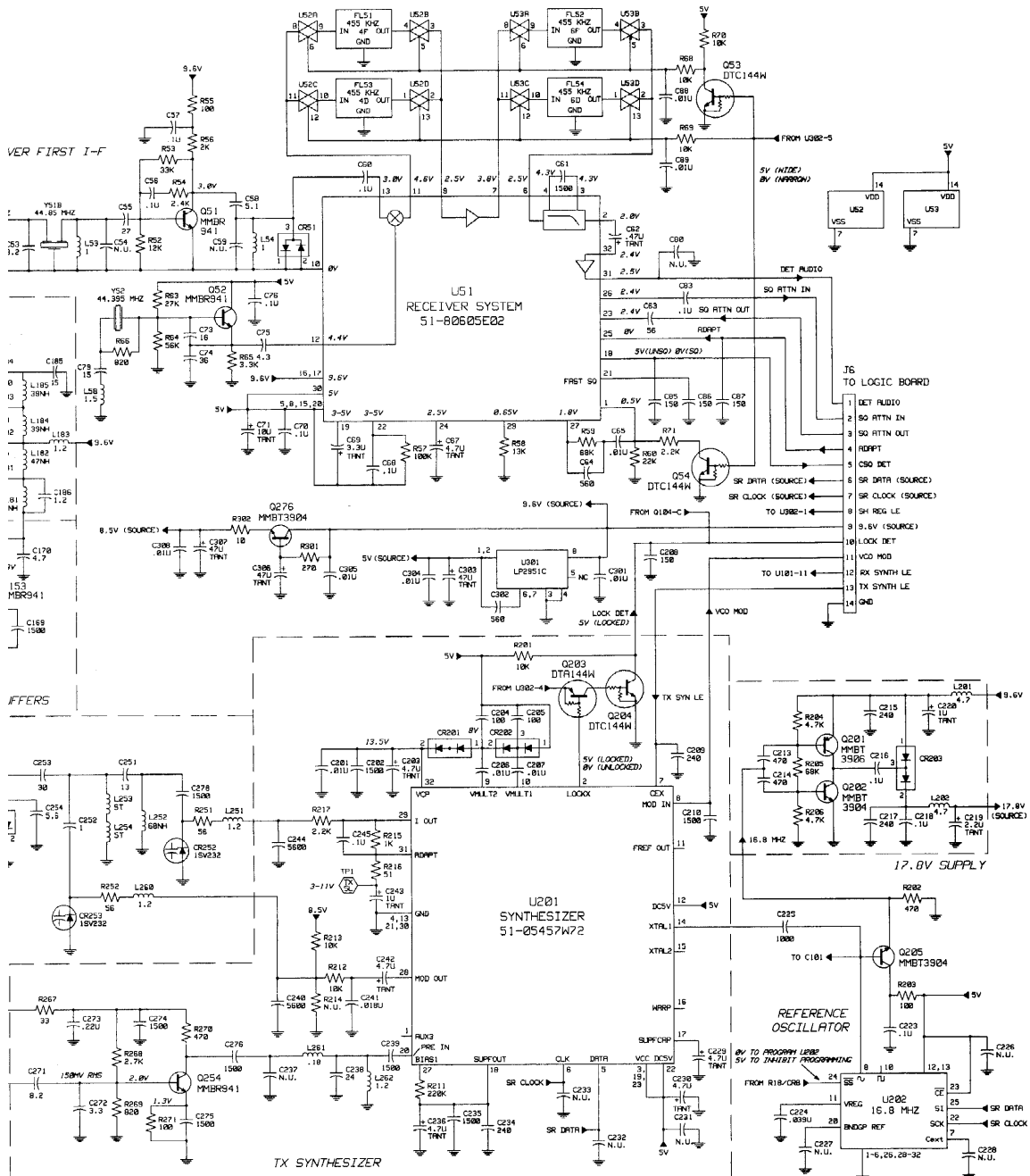
VALUES MARKED WITH (\*) DESIGNATE HIGH-TOLERANCE COMPONENTS  
REFER TO PARTS LIST FOR TOLERANCE AND PART NUMBER

RX SYNTHESIZER

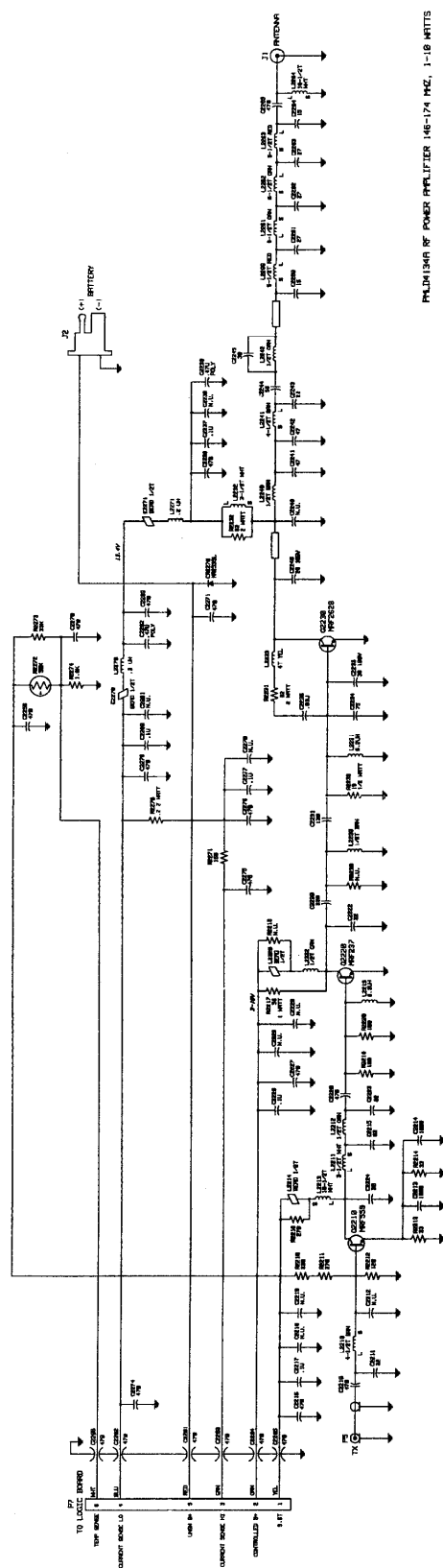
TX VCO AND BUFFERS



[illegible]

**RF BOARD CIRCUITS (CON'T)**

## RF POWER AMPLIFIER BOARD CIRCUITS



PM14134A RF POWER AMPLIFIER 145-174 MHz, 1-10 WATTS