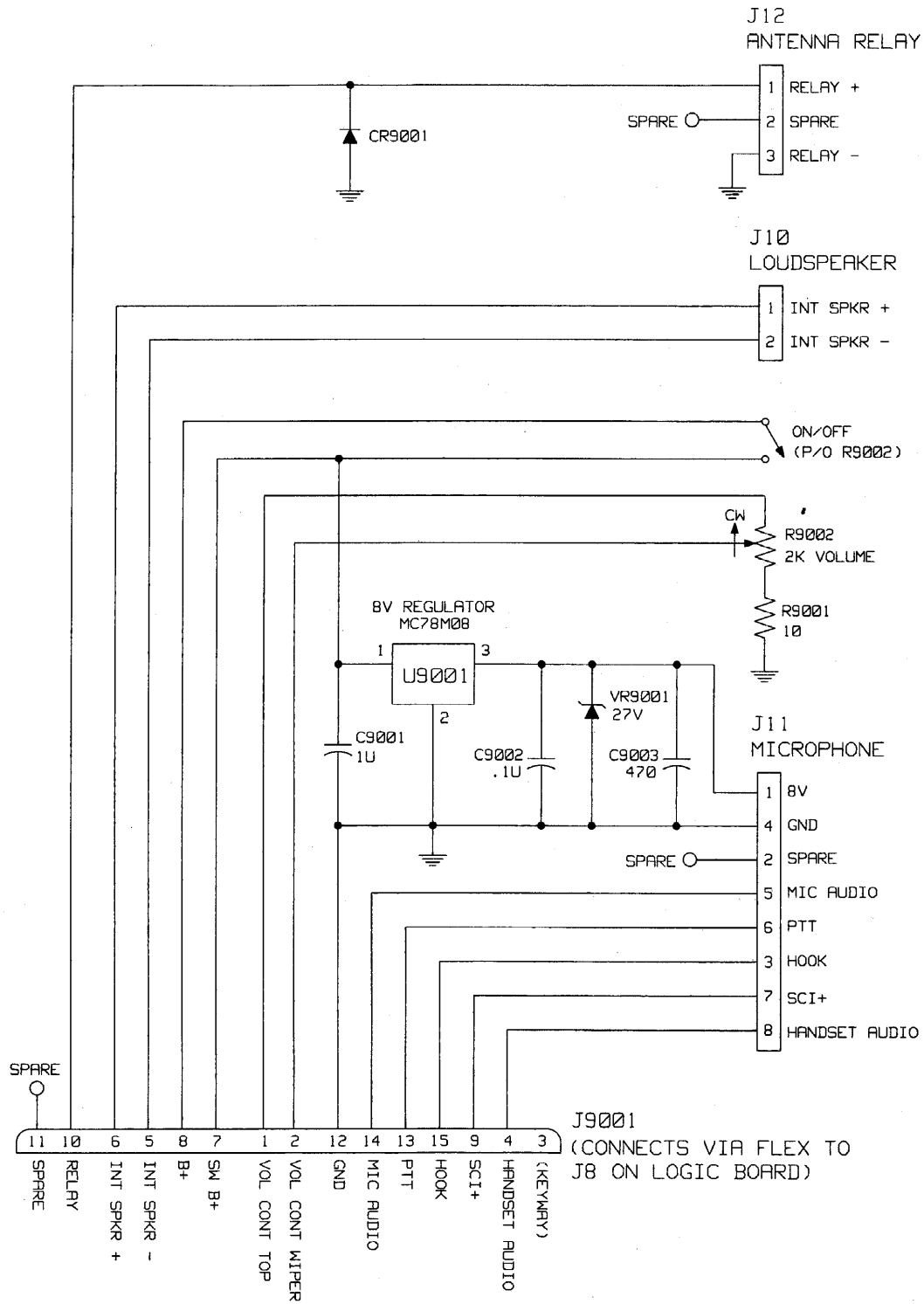
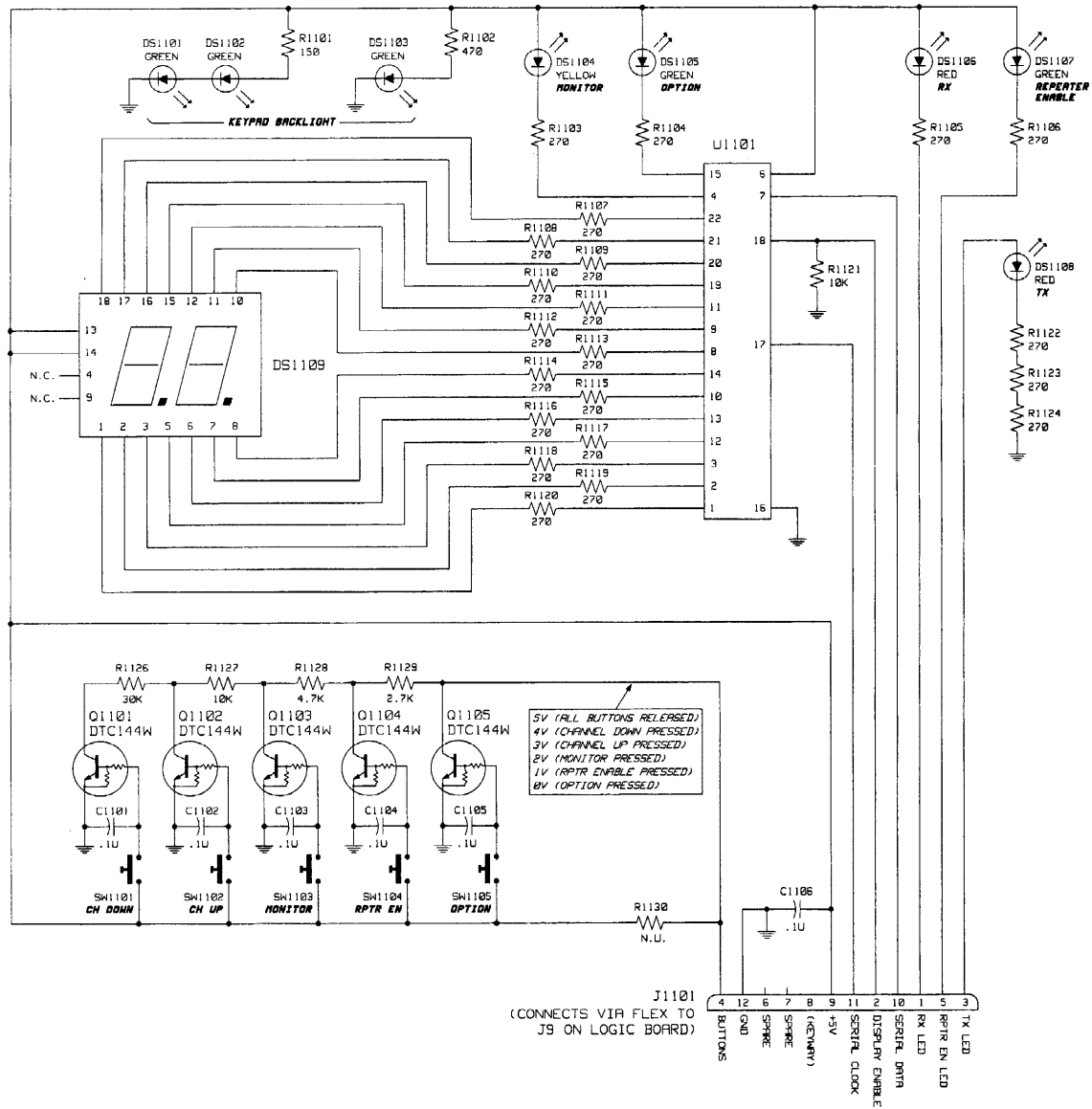


SCHEMATIC DIAGRAMS

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.

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

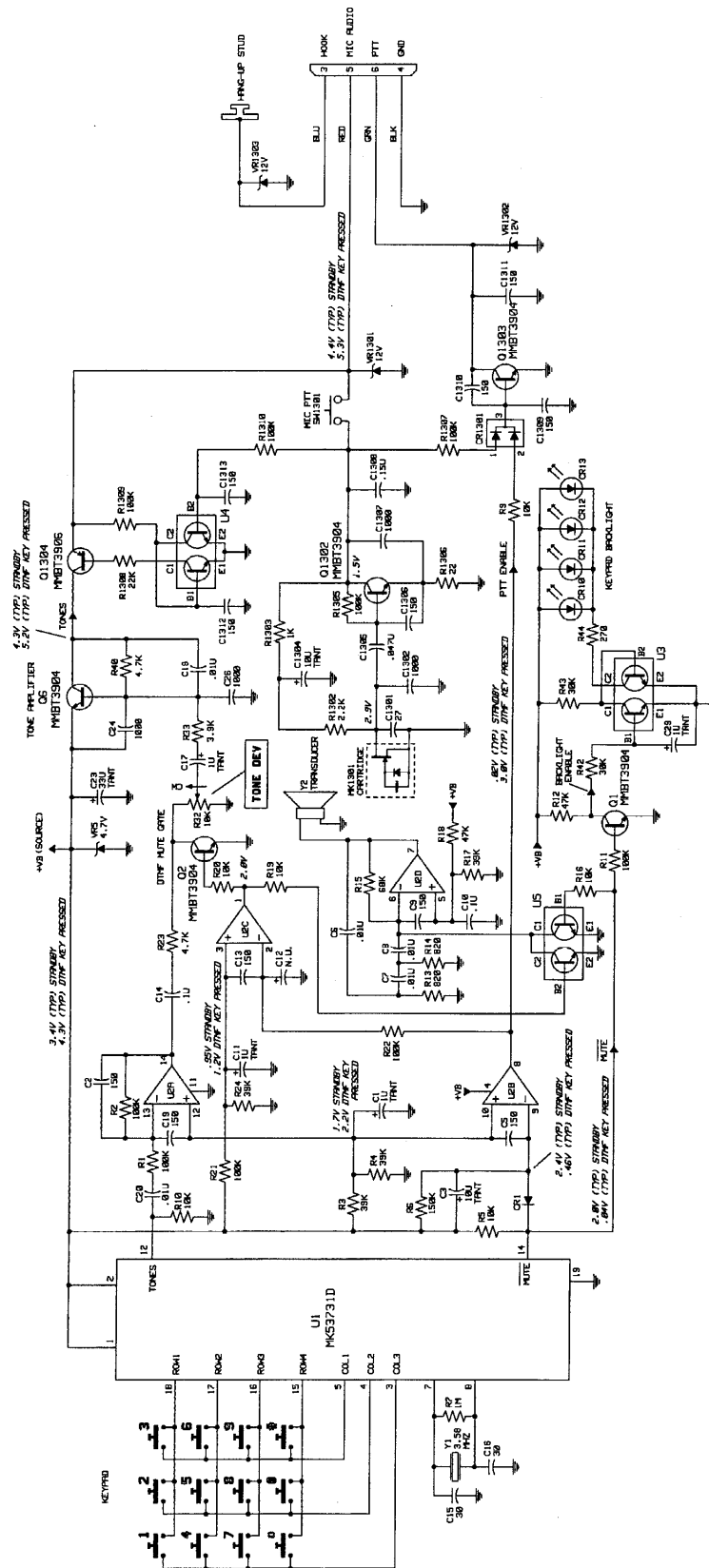
VOLUME / MICROPHONE BOARD CIRCUIT

DISPLAY BOARD CIRCUIT

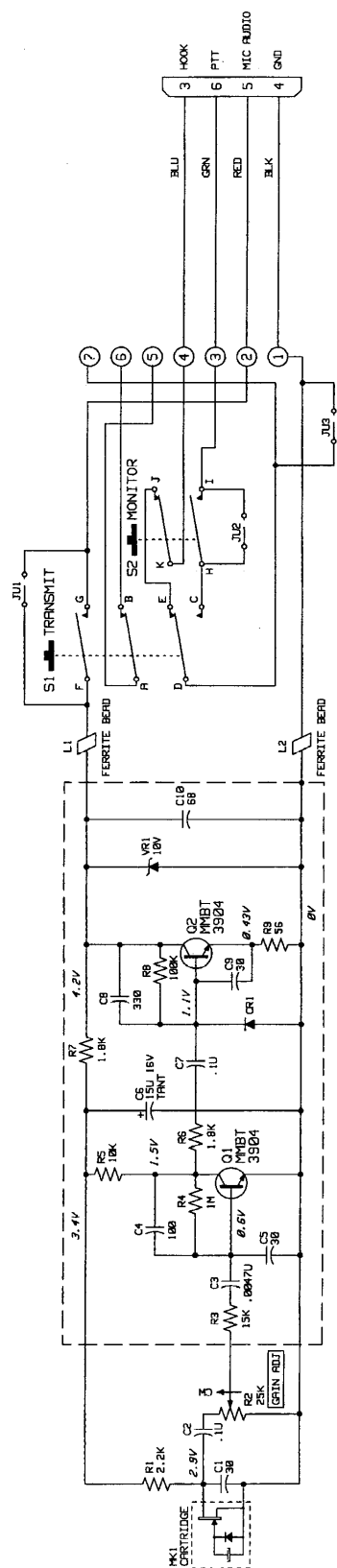
The diagram illustrates a complex electronic circuit, likely a radio receiver or amplifier, featuring several integrated circuits (ICs) and discrete components. The circuit is organized into several functional blocks:

- Power Supply Section (Top Left):** Includes a 5V regulator (U801) and a 1.5V regulator (U802). It shows various resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100) and capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100).
- Central Processing Section:** Features ICs U801 (68HC11K4), U802 (68HC11K4), U803 (68HC11K4), U804 (68HC11K4), U805 (68HC11K4), U806 (68HC11K4), U807 (68HC11K4), U808 (68HC11K4), U809 (68HC11K4), U810 (68HC11K4), and U811 (68HC11K4). It also includes a 5V regulator (U801) and a 1.5V regulator (U802).
- Control Section (Bottom Right):** Includes a 5V regulator (U801) and a 1.5V regulator (U802). It shows various resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100) and capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100).
- Speaker Output Section (Left):** Includes a speaker (S1) and a 5V regulator (U801).
- Power Amplifier Section (Right):** Includes a 5V regulator (U801) and a 1.5V regulator (U802).

The diagram is labeled with component values, pin numbers, and functional blocks. It also includes a legend for the components used.

DTMF MICROPHONE CIRCUIT

DESK MICROPHONE CIRCUIT



[illegible]

RF POWER AMPLIFIER BOARD CIRCUITS