

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

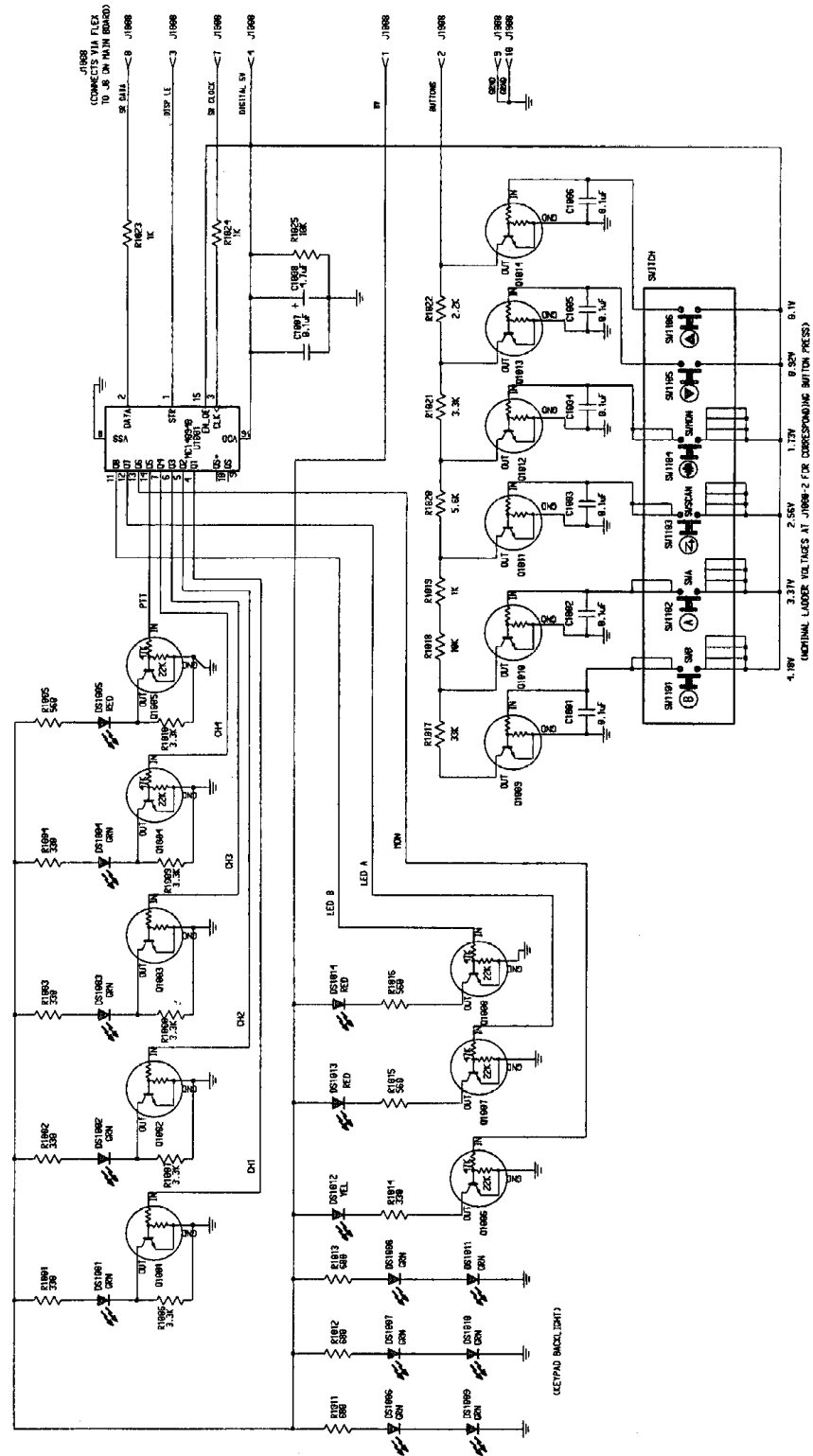
Circuit Diagrams

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-1	Keypad/Display Circuit Board (4 Channel)
EXHIBIT 5A-2	Keypad/Display Circuit Board (24 Channel)
EXHIBIT 5B-1	Main Circuit Board, Sheet 1 of 2 (RF Section),
EXHIBIT 5B-2	Main Circuit Board, Sheet 2 of 2 (Audio/Logic Section)
EXHIBIT 5C	Conventional Hand Held Microphone
EXHIBIT 5D	DTMF Hand Held Microphone
EXHIBIT 5E	Control Station Microphone
EXHIBIT 5F	AC-DC Converter
EXHIBIT 5G	Handset Microphone

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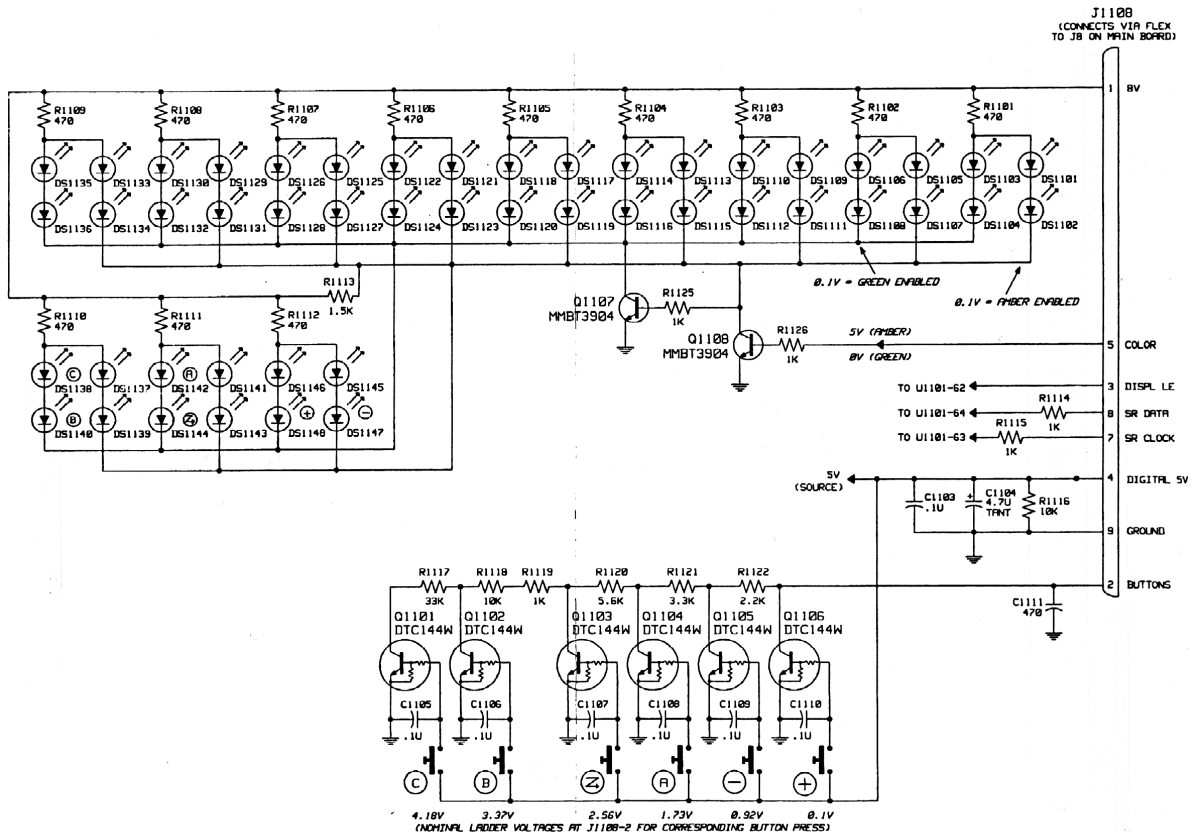
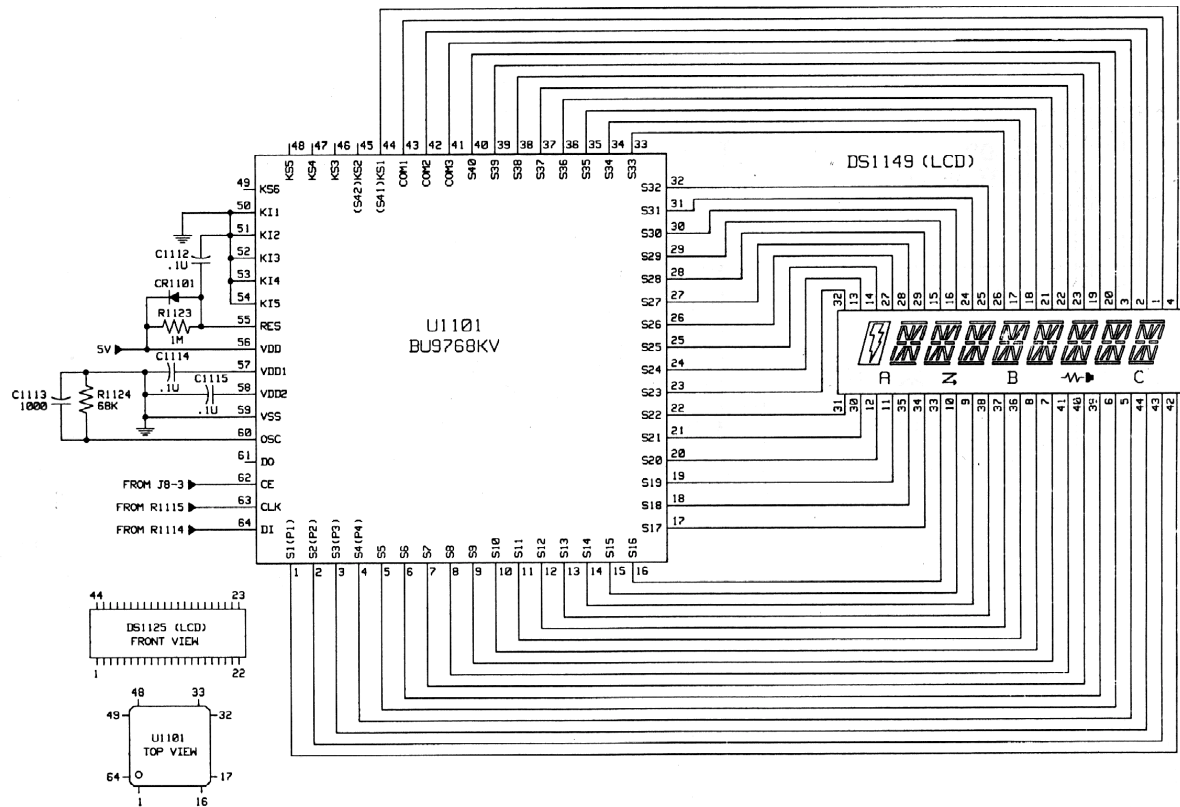


Display Board (4 Channel)

Exhibit 5A-1

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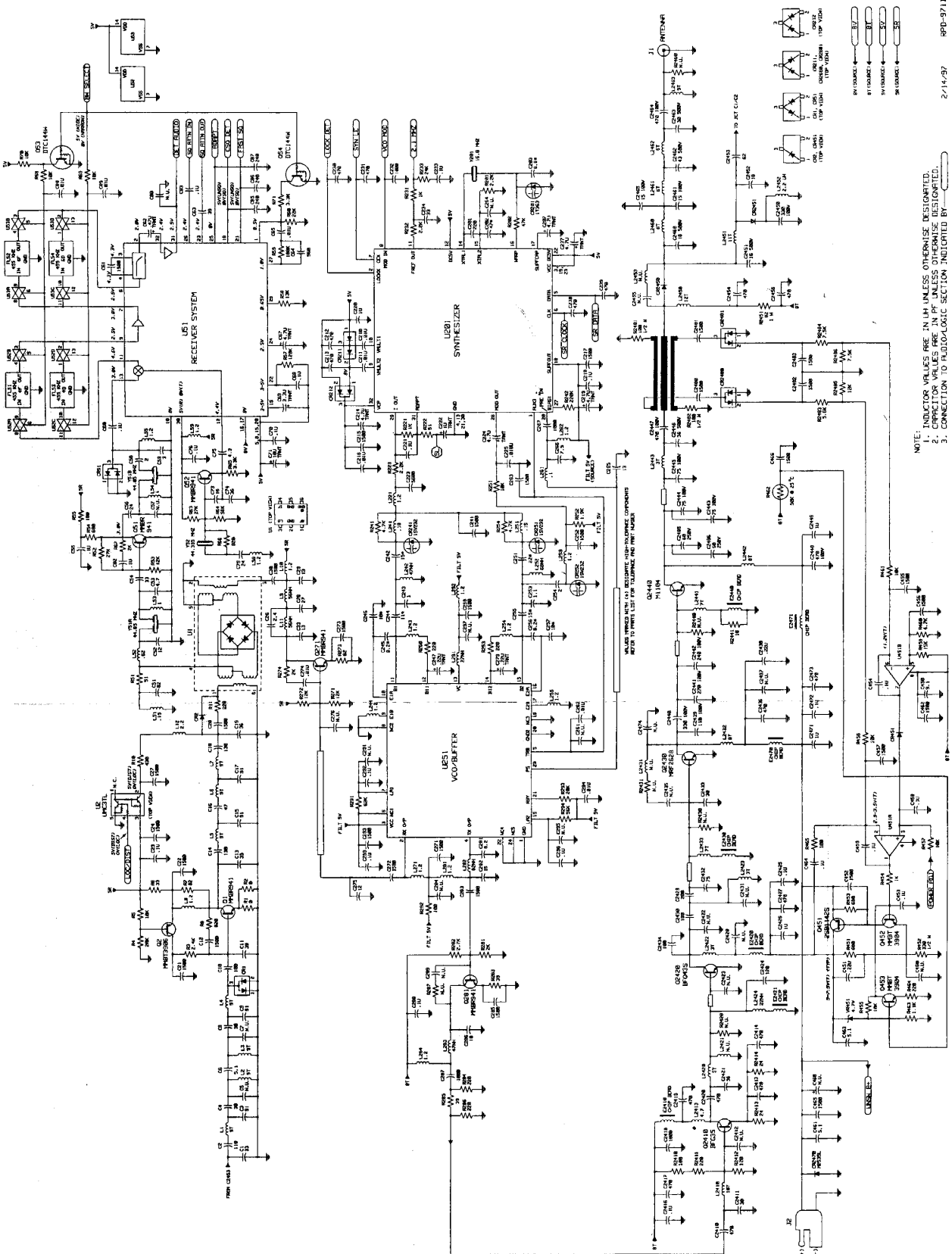


Display Board (24 Channel)

Exhibit 5A-2

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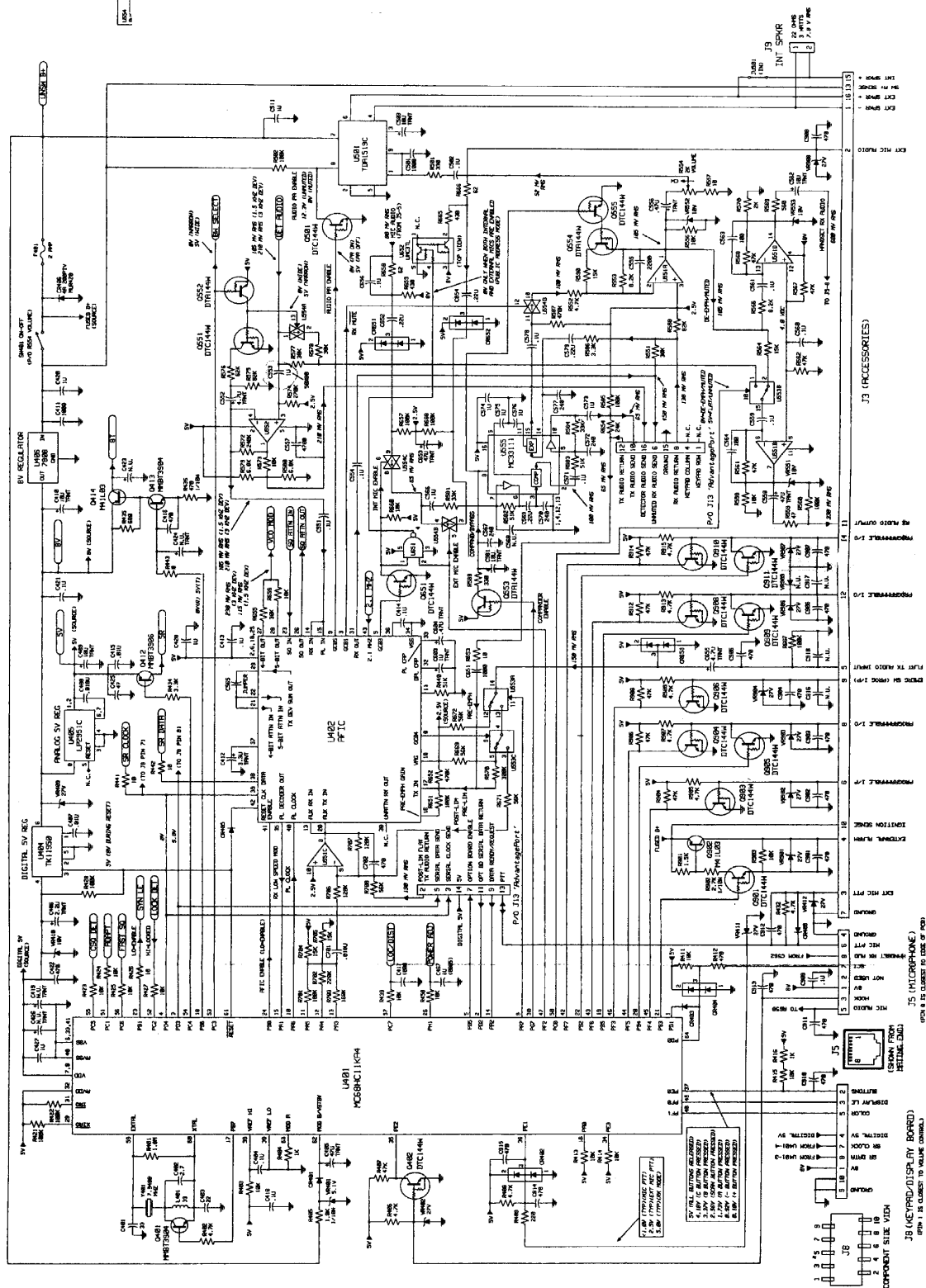


MAIN BOARD (RF Section)

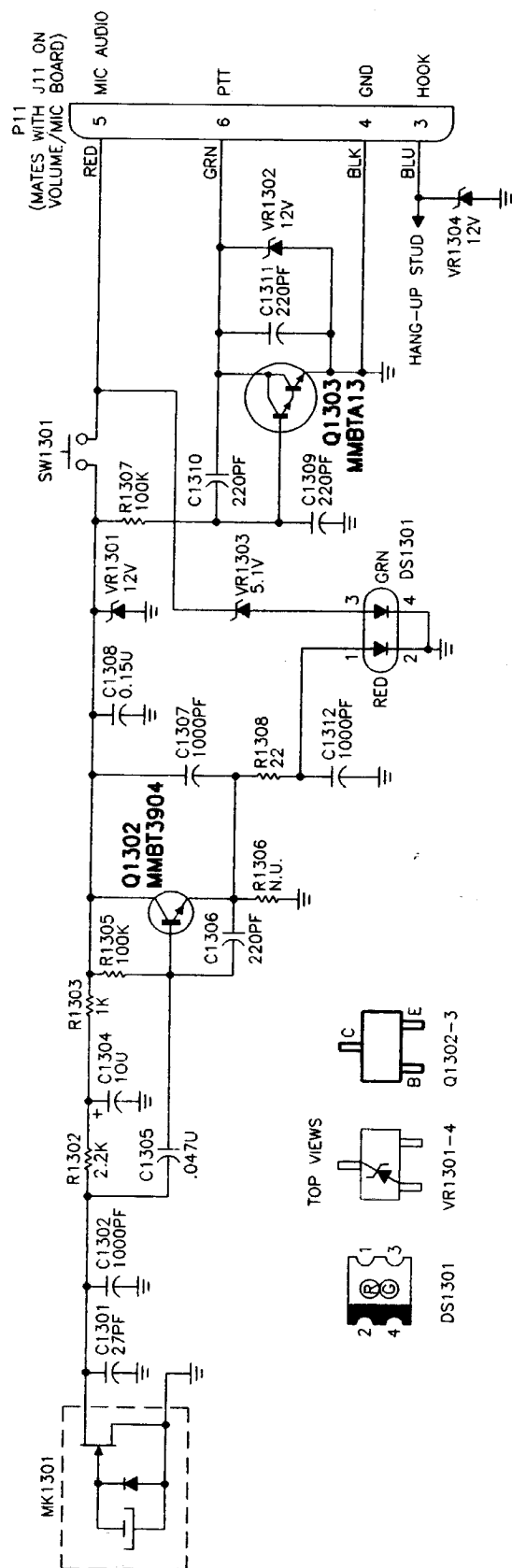
Exhibit 5B-1

14
3V

J9
INT SPKR
22 046
3 WRTTS
7.8 V RMS

**Exhibit 5B-2**

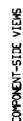
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Conventional Hand Mic

EXHIBIT 5C

Equipment Type: ABZ99FT4046



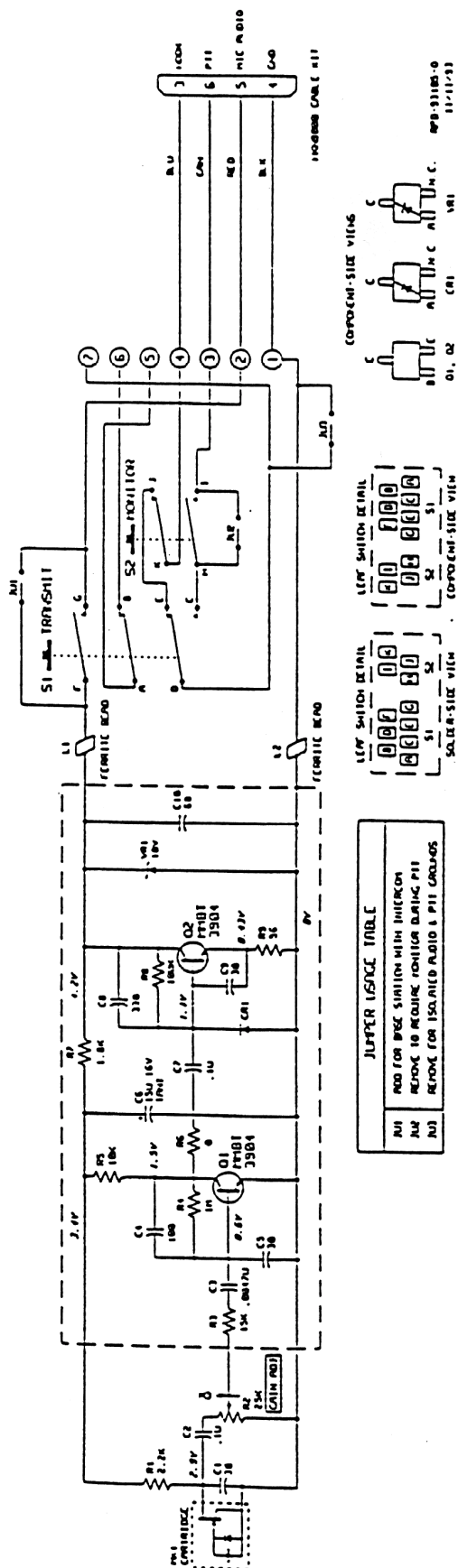

 CR1301
 CR1
 CR1301
 CR1

RPD-94133-A
9/25/95

Exhibit 5D

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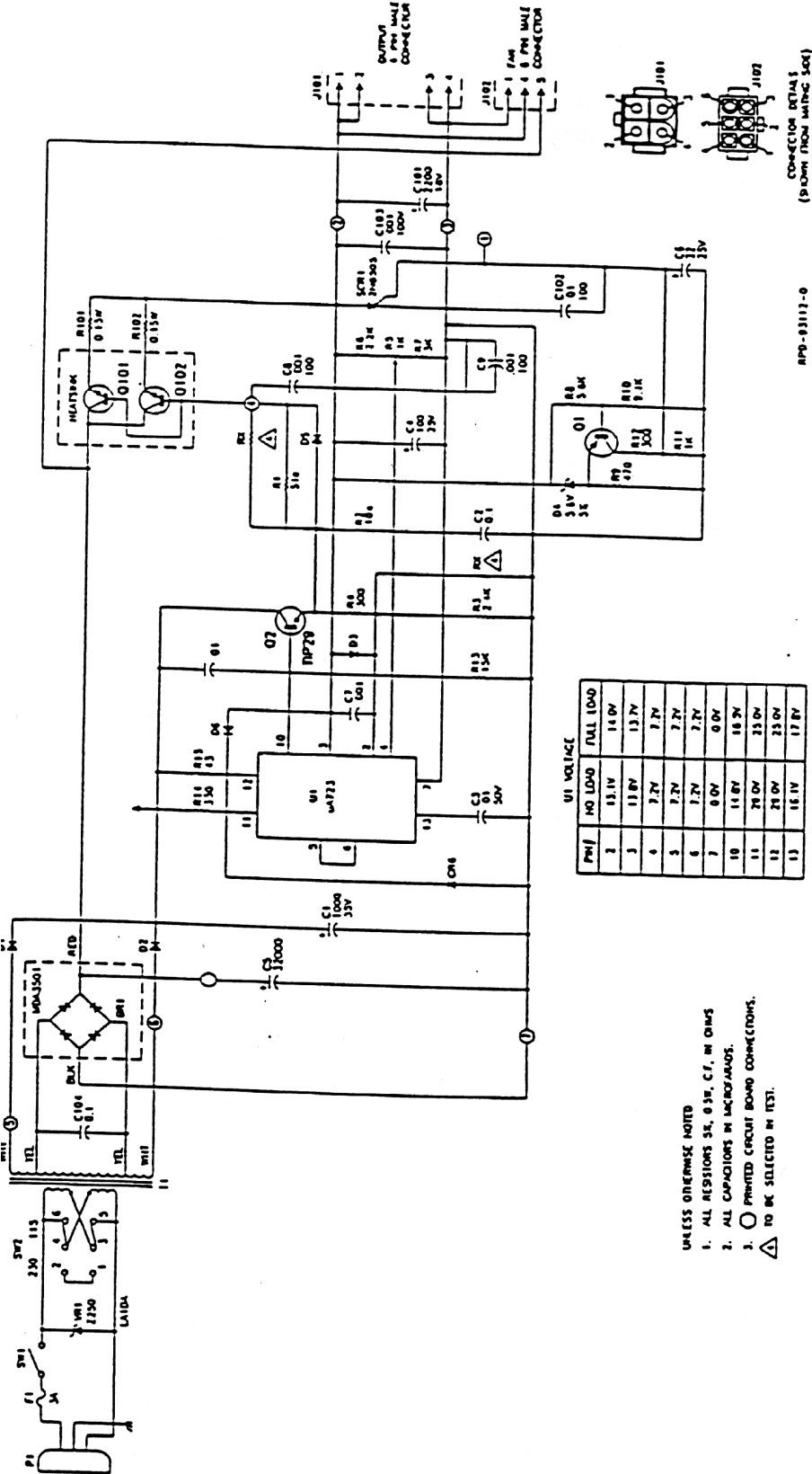


Desk Mic

Exhibit 5E

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- UNLESS OTHERWISE NOTED
1. ALL RESISTORS 5%, 0.5W, C.F. IN OHMS
 2. ALL CAPACITORS IN MICROFARADS.
 3. ○ PRINTED CIRCUIT BOARD CONNECTIONS.
- △ TO BE SELECTED IN TEST.

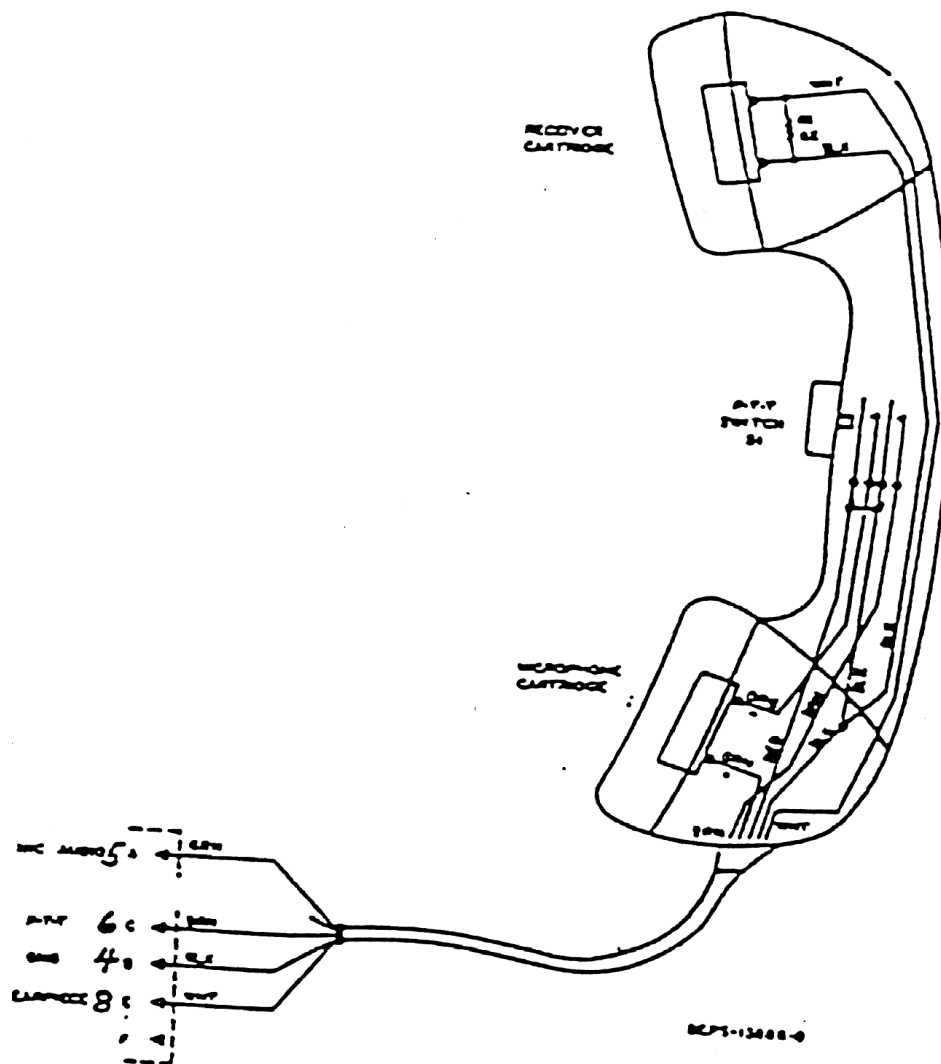
U1 VOLTAGE		
PMF	NO LOAD	FULL LOAD
2	13.1V	14.0V
3	13.8V	13.7V
4	7.2V	7.2V
5	7.2V	7.2V
6	7.2V	7.2V
7	0.0V	0.0V
10	14.8V	16.2V
11	24.0V	23.0V
12	24.0V	23.0V
13	16.1V	17.8V

CONNECTION DETAIL (9-0201 FROM WIRING 5001)

APD-93112-0

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Handset

Exhibit 5G