








SCHEMATIC OF THE HEATHKIT® VIDEO TERMINAL MODEL H19

NOTES:

1. COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS.
 1- 99 PARTS MOUNTED ON THE CHASSIS.
 101-199 PARTS MOUNTED ON THE POWER SUPPLY CIRCUIT BOARD.
 201-299 PARTS MOUNTED ON THE VIDEO CIRCUIT BOARD.
 301-399 PARTS MOUNTED ON THE KEYBOARD CIRCUIT BOARD.
 401-499 PARTS MOUNTED ON THE LOGIC CIRCUIT BOARD.
2. RESISTORS MOUNTED ON THE VIDEO CIRCUIT BOARD ARE 1/2-WATT, 5% UNLESS MARKED OTHERWISE. RESISTORS MOUNTED ON THE LOGIC CIRCUIT BOARD ARE 1/4-WATT, 5% UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (k=1,000; M=1,000,000).
3. ALL CAPACITORS ARE IN μ F UNLESS MARKED OTHERWISE.
4.  THIS SYMBOL INDICATES CHASSIS GROUND.
5.  THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
6.  THIS SYMBOL INDICATES WHERE A WIRE CONNECTS TO A CIRCUIT BOARD.
7.  THIS SYMBOL INDICATES A MECHANICAL CONNECTOR.
8.  THIS SYMBOL INDICATES A PART THAT IS SHOWN ON A CIRCUIT BOARD, BUT IS ACTUALLY MOUNTED ON THE CHASSIS.
9.  THIS SYMBOL INDICATES AN INTERRUPTED LINE. LAY A STRAIGHT EDGE ON THE ARROW TO SEE WHERE IT GOES TO OR COMES FROM.
10.  THIS SYMBOL INDICATES A DC VOLTAGE TAKEN WITH A HIGH IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY \pm 20%.
11. FUSE F1 IS CRITICAL FOR CONTINUED SAFETY. REPLACE IT ONLY WITH A PART OF THE SAME RATING OR WITH THE PROPER HEATH PART.

Part of 595-2284-04

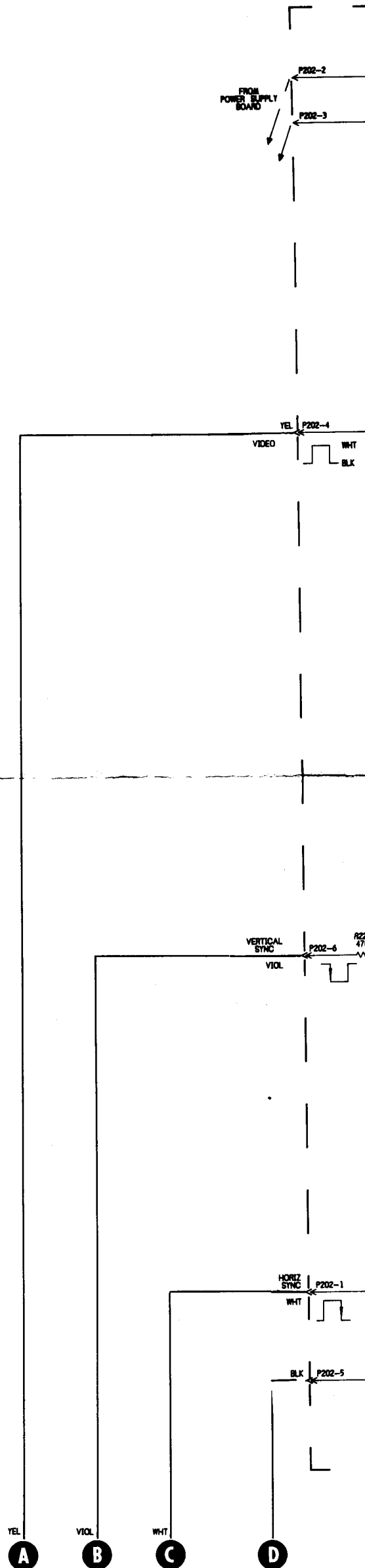
Page 1 of 2

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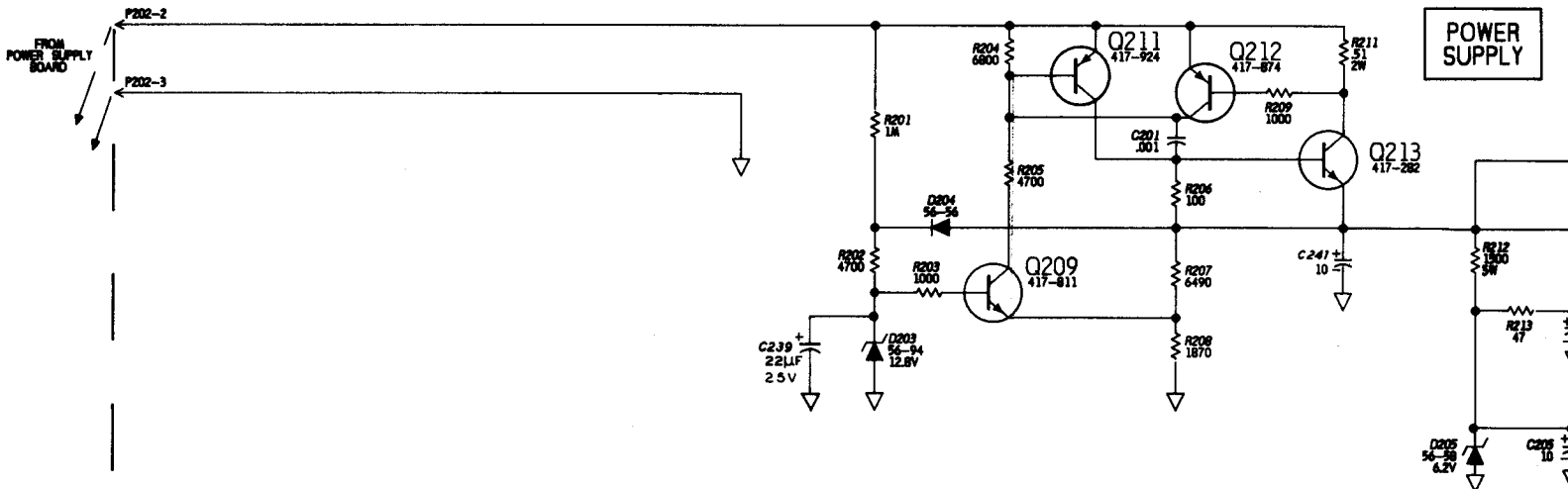
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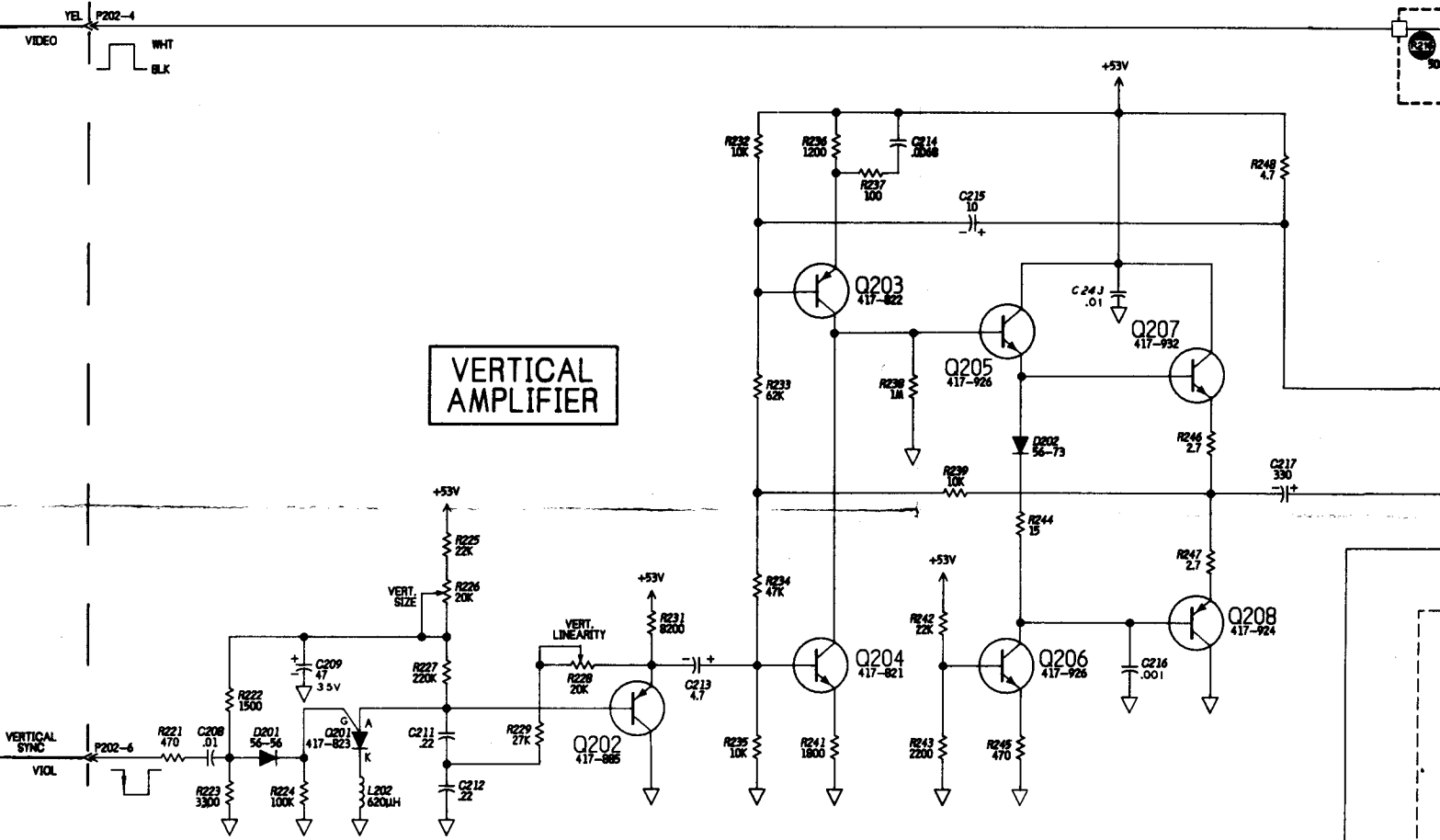


+65V

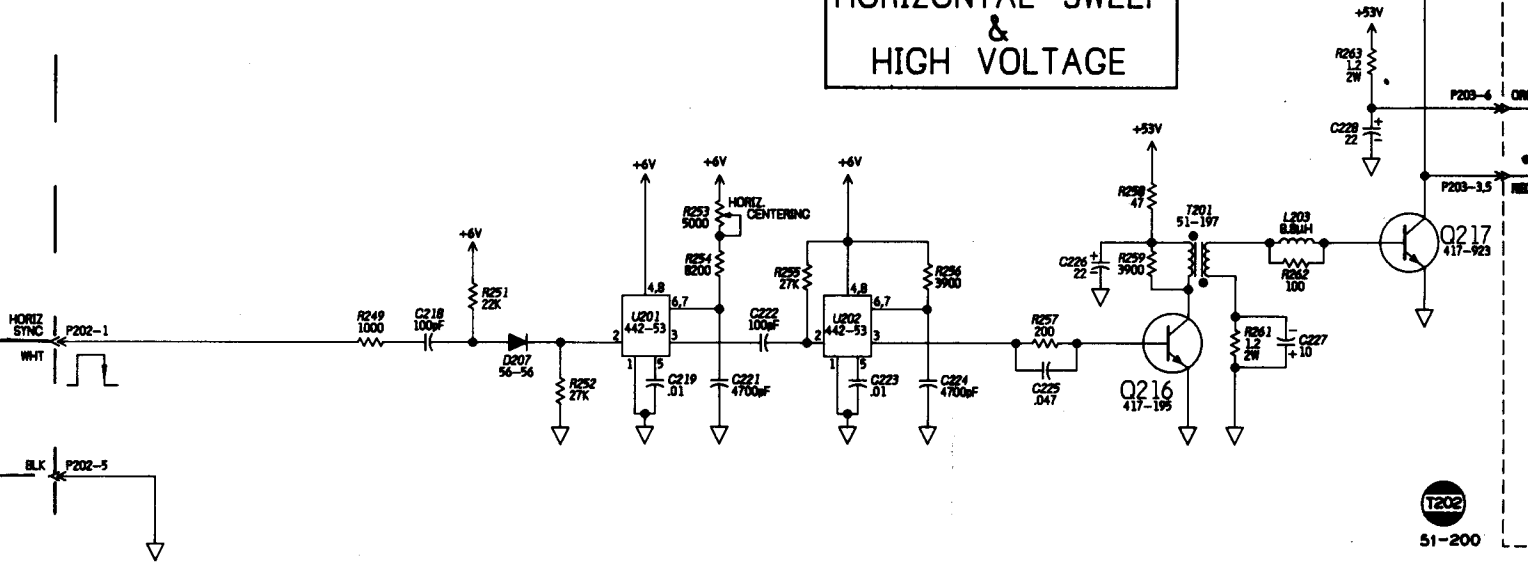
POWER SUPPLY



VERTICAL AMPLIFIER



HORIZONTAL SWEEP & HIGH VOLTAGE



T202
51-200

D

VIDEO CIRCUIT BOARD

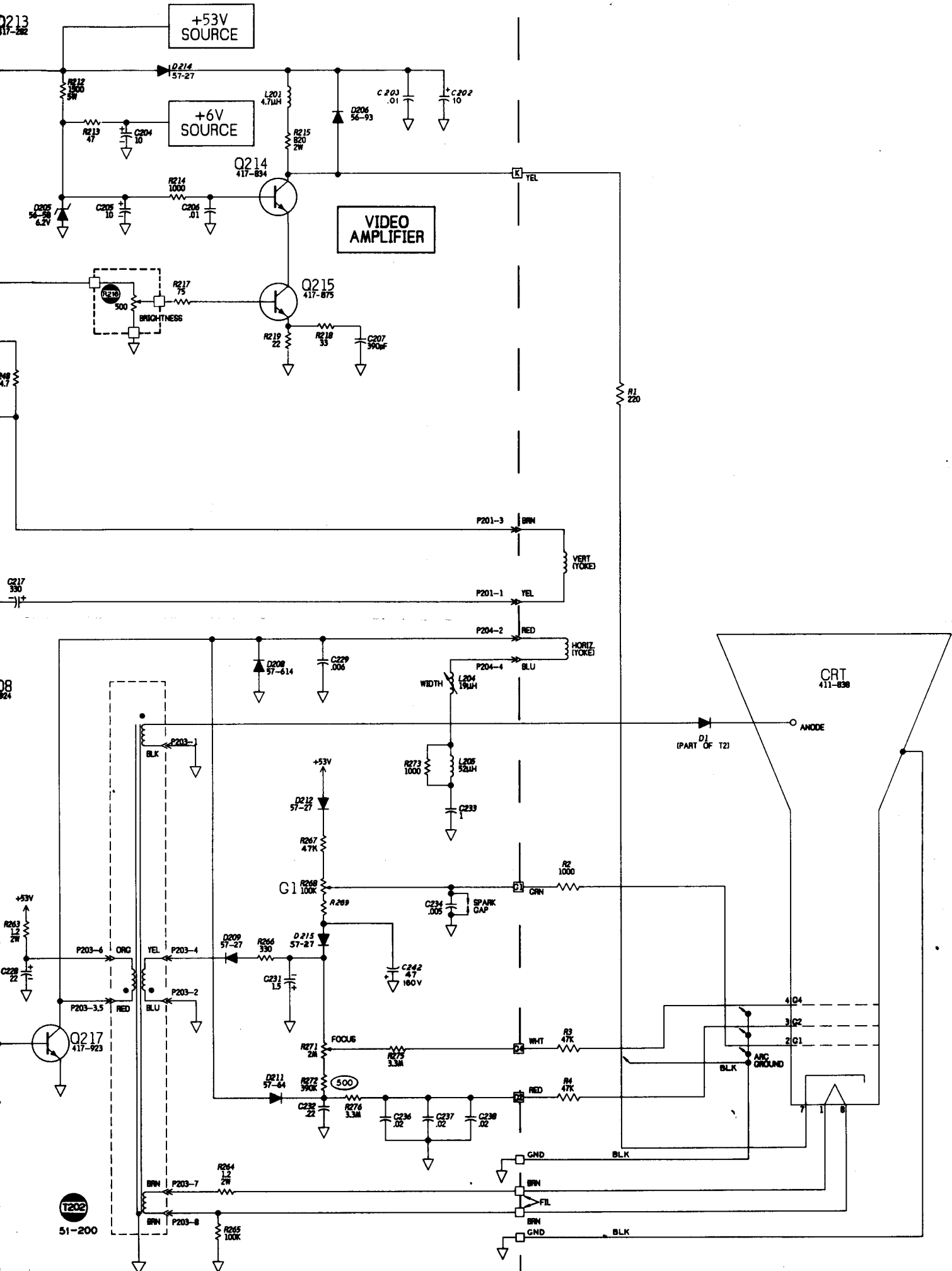
POWER SUPPLY

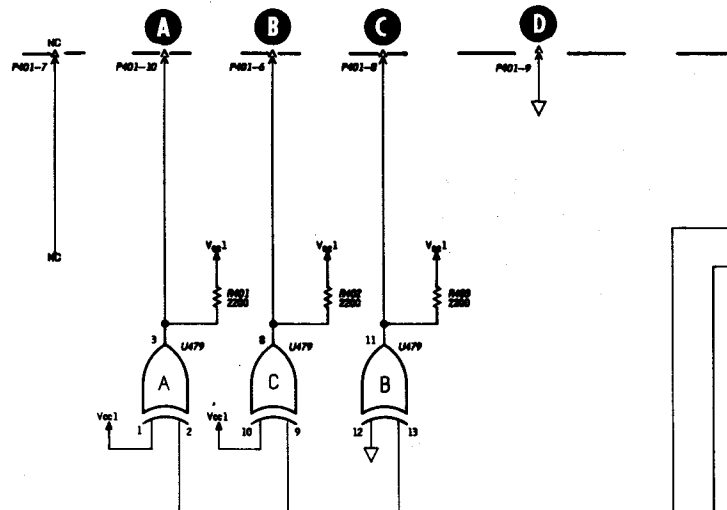
+53V
SOURCE

+6V
SOURCE

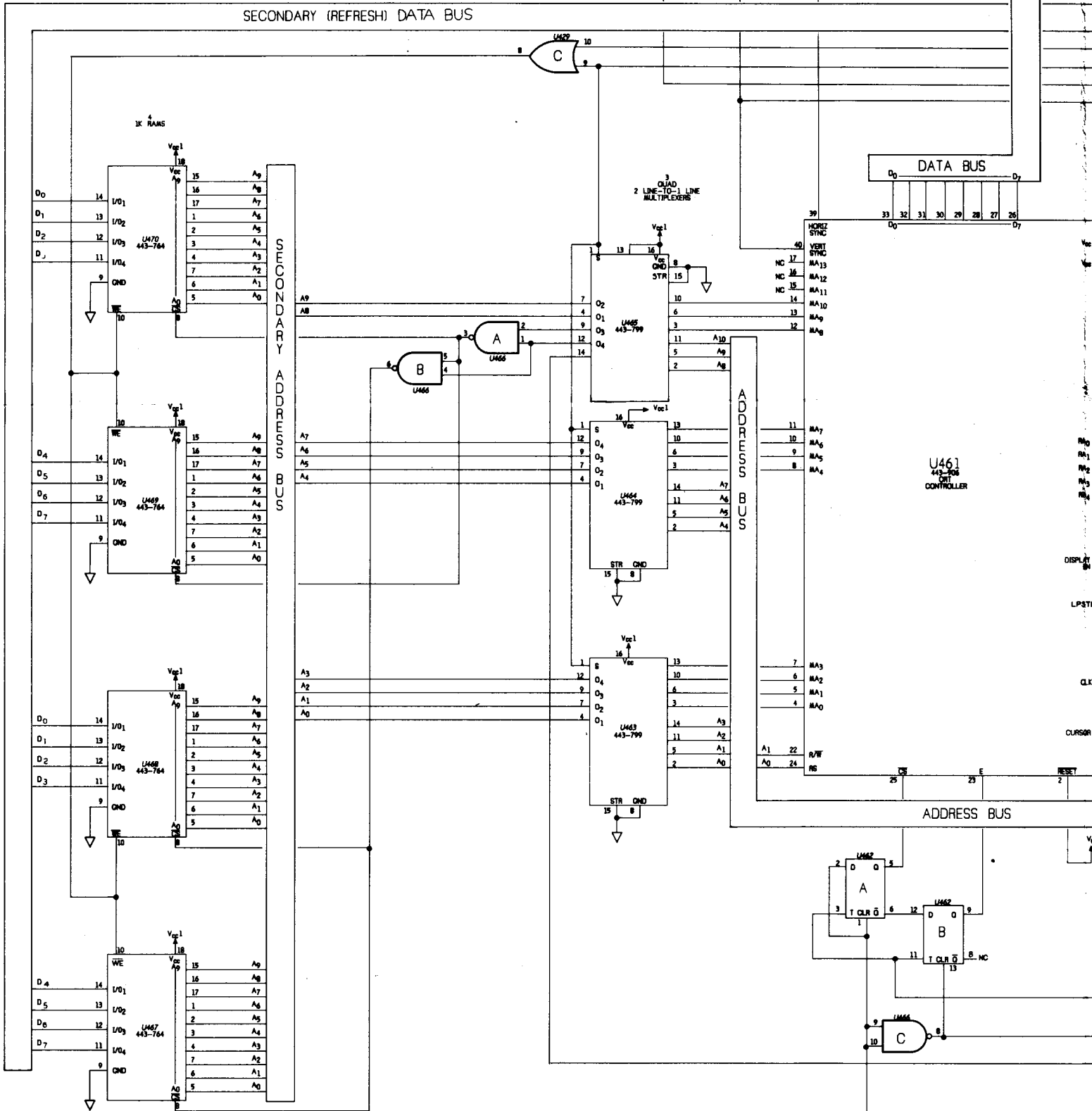
VIDEO
AMPLIFIER

CRT
411-838

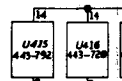
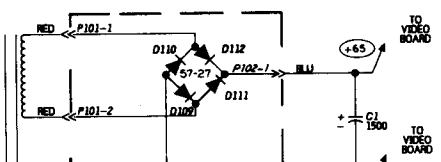


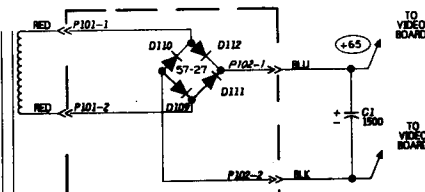
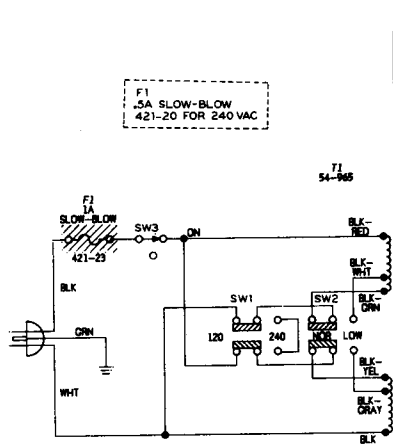
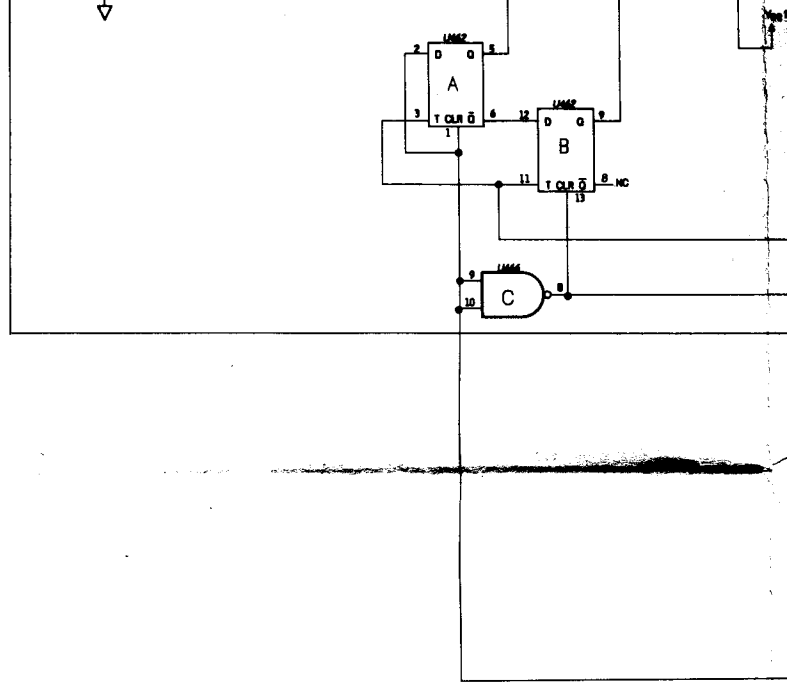
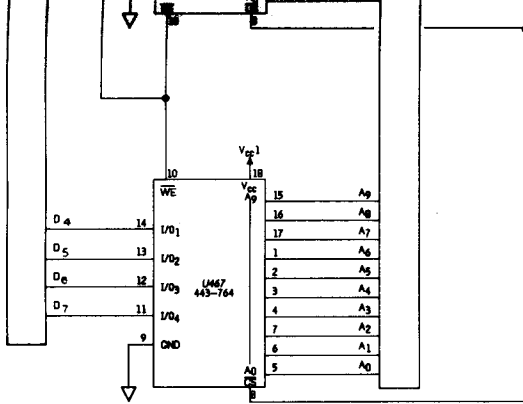


SECONDARY (REFRESH) DATA BUS

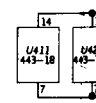
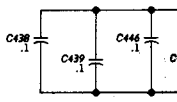
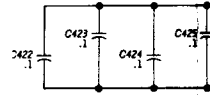
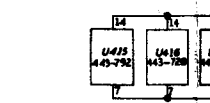
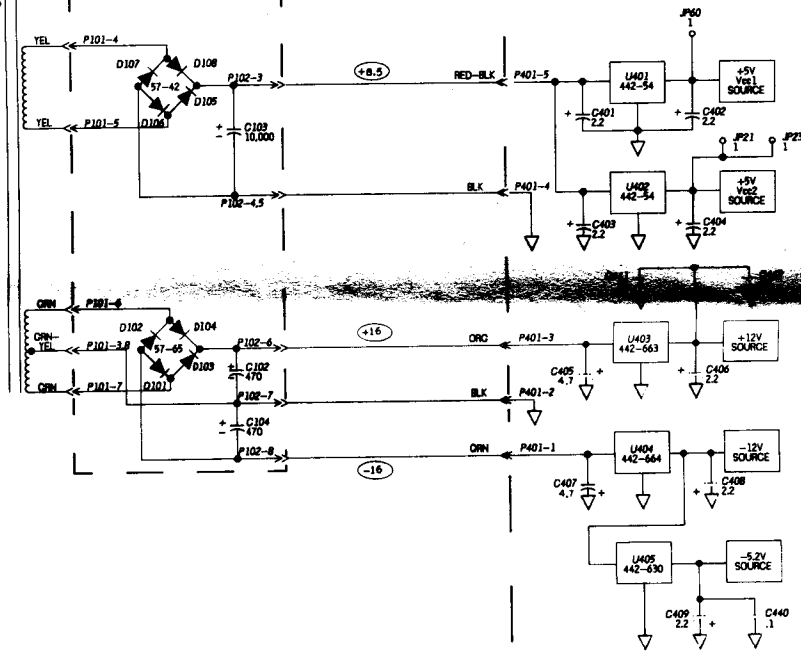


F1
.5A SLOW-BLOW
421-20 FOR 240 VAC



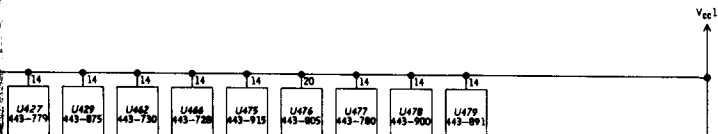
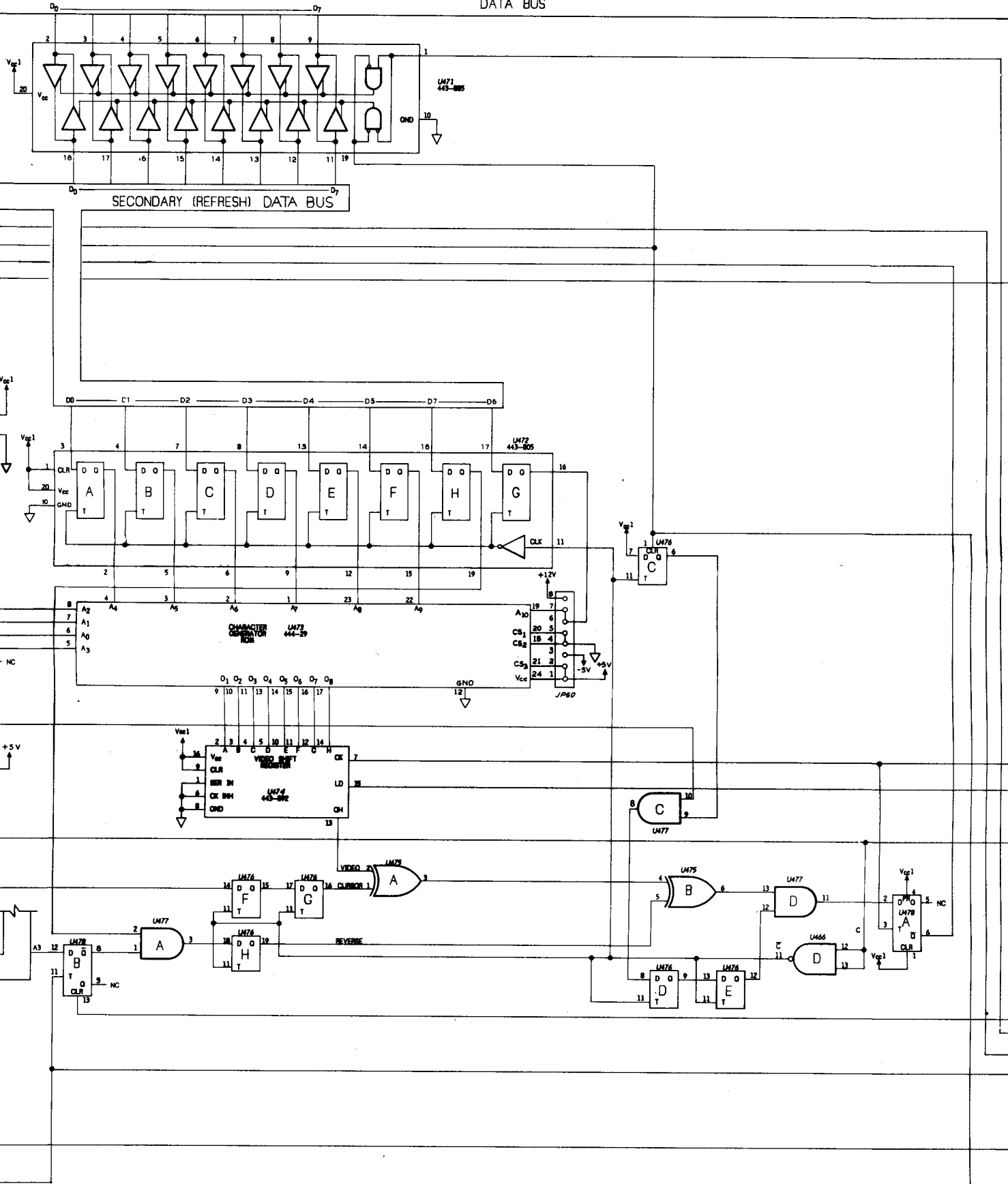


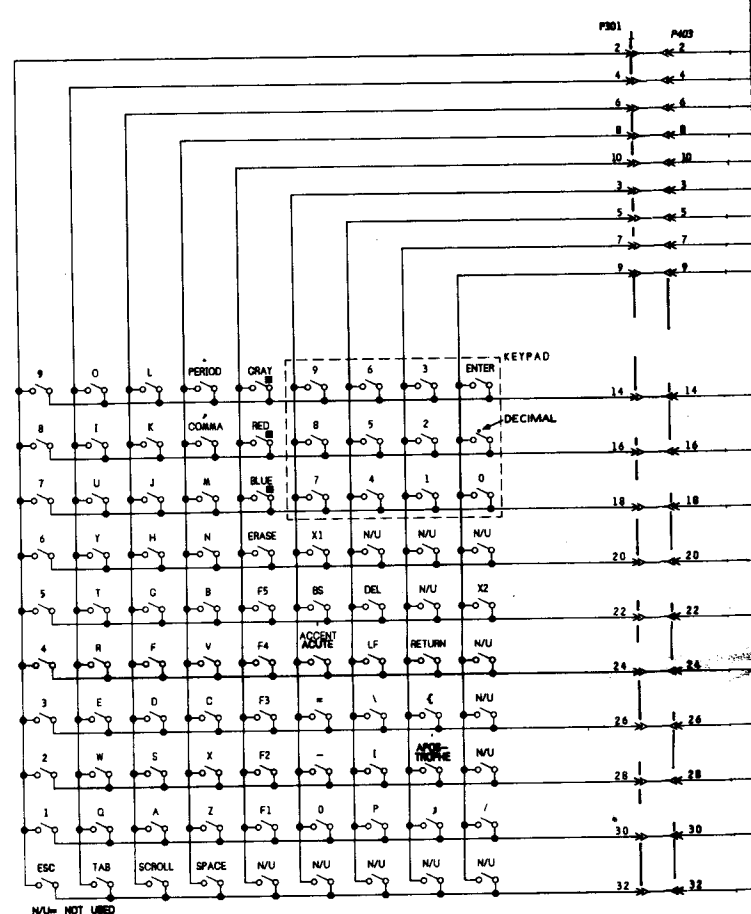
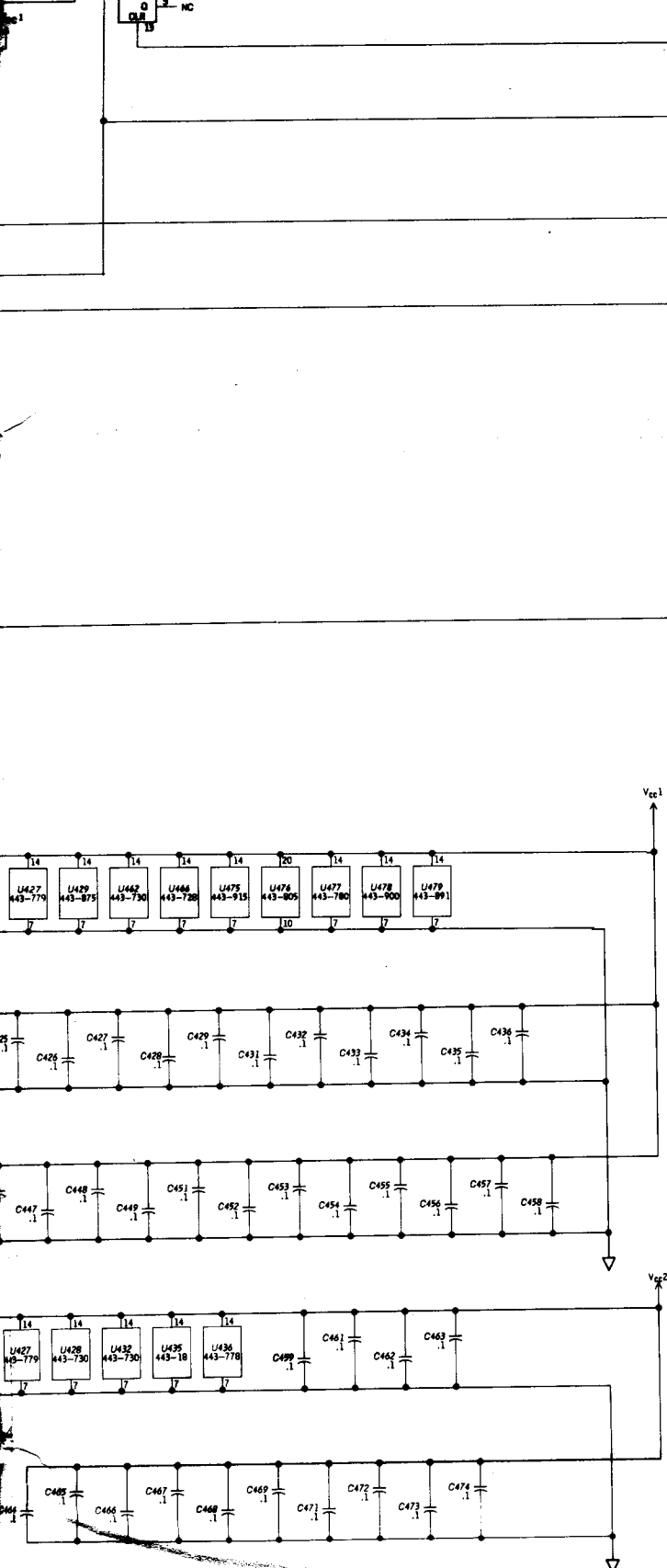
POWER SUPPLY
CIRCUIT BOARD



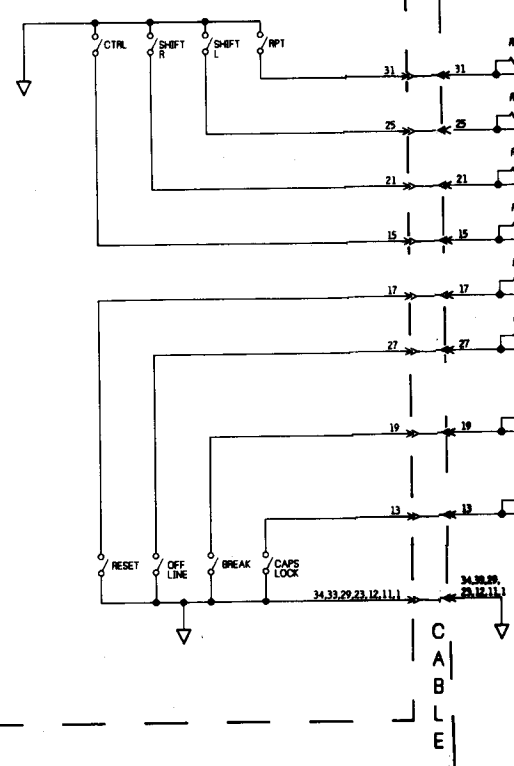
ADDRESS BUS

DATA BUS



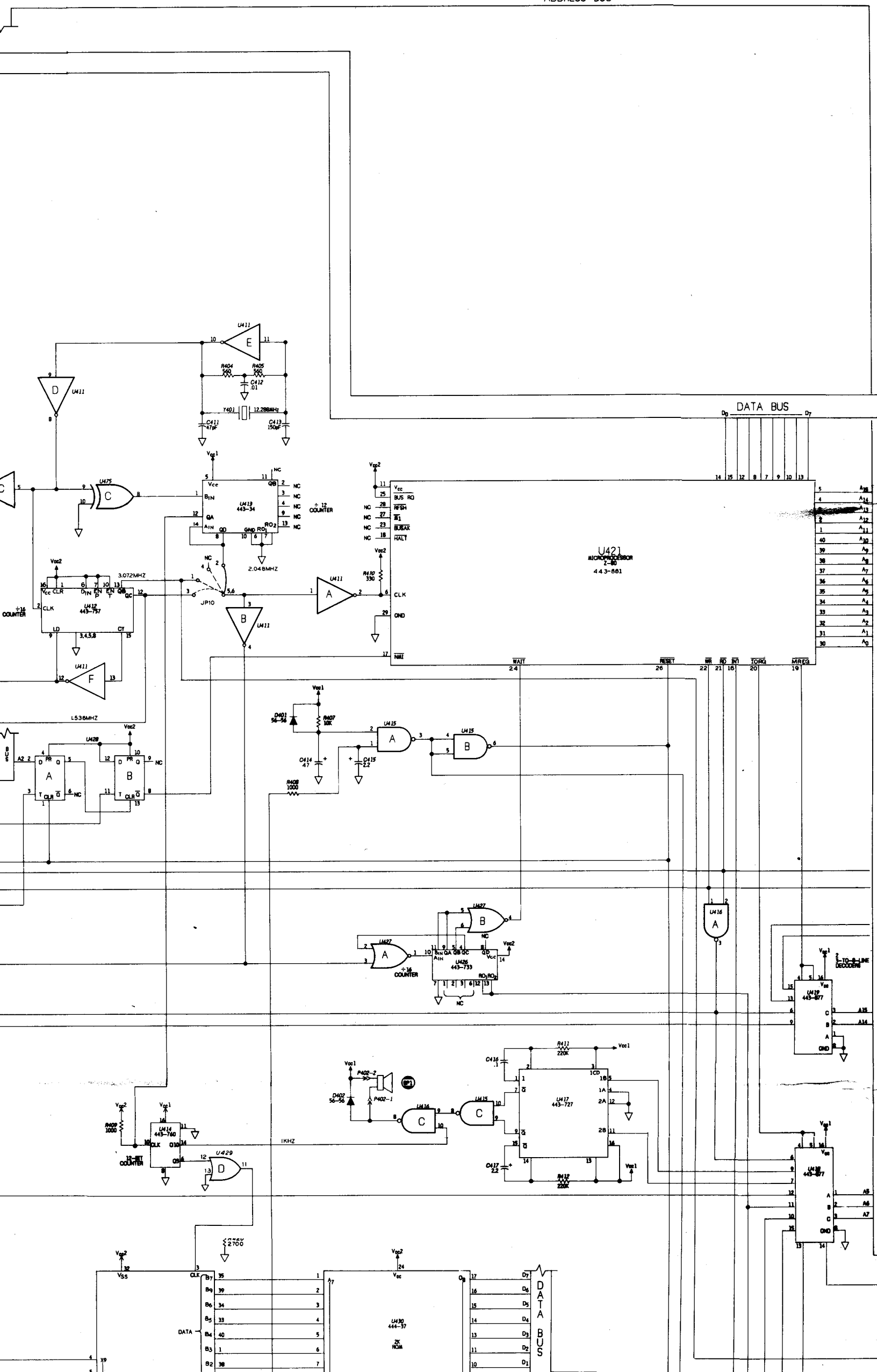


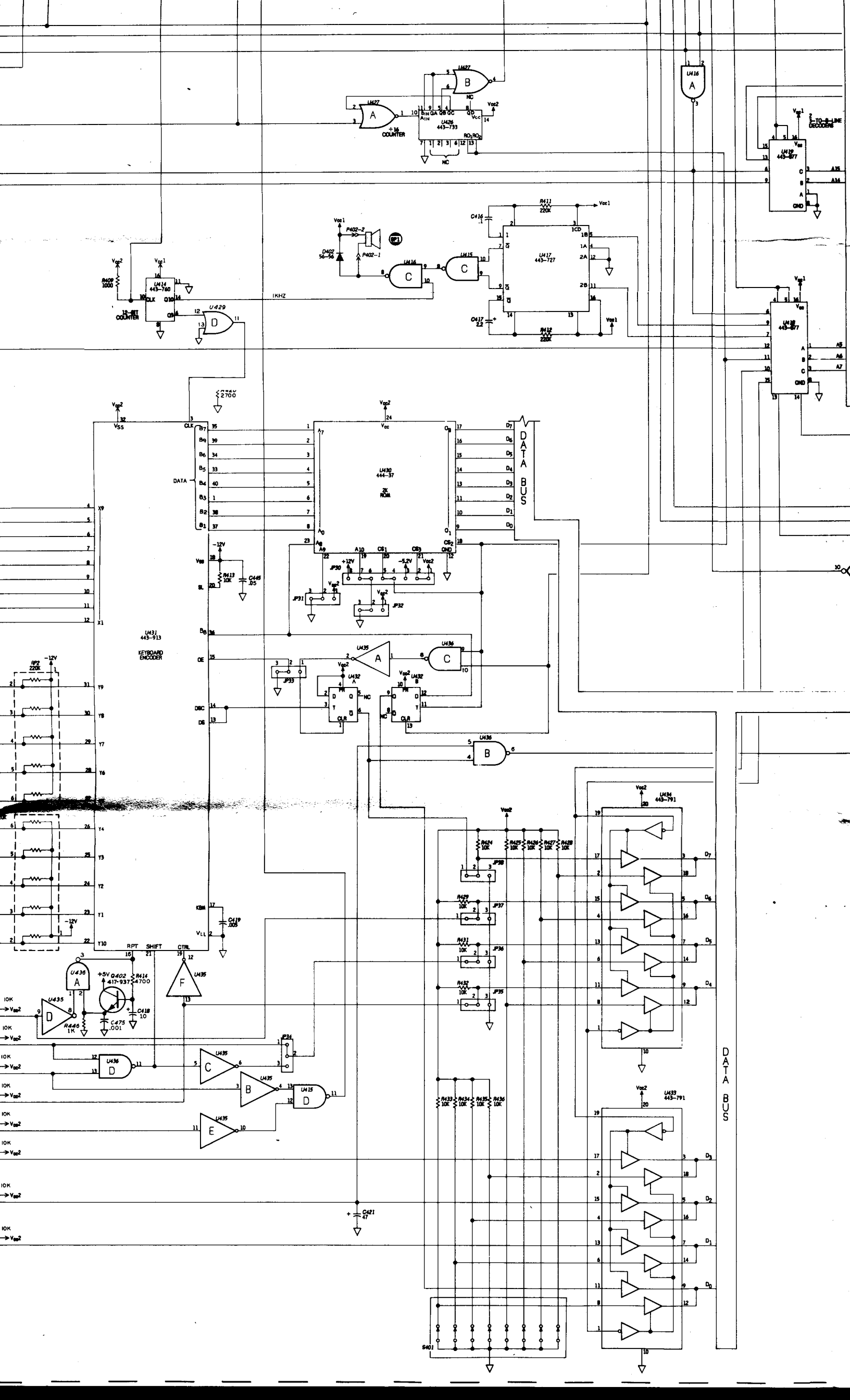
KEYBOARD



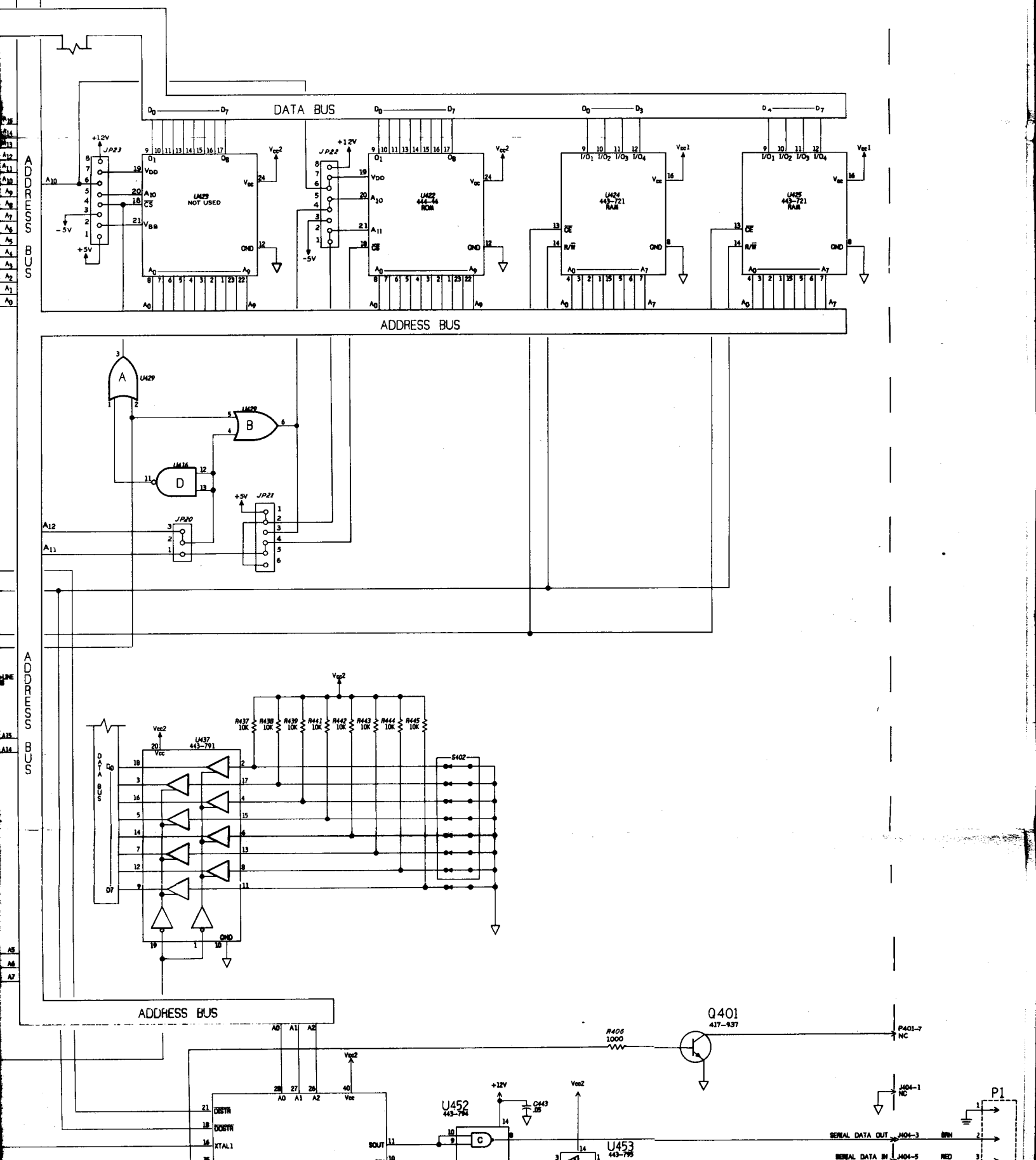
ADDRESS BUS

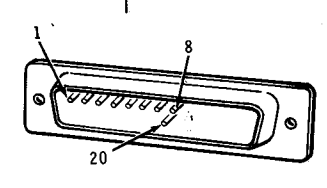
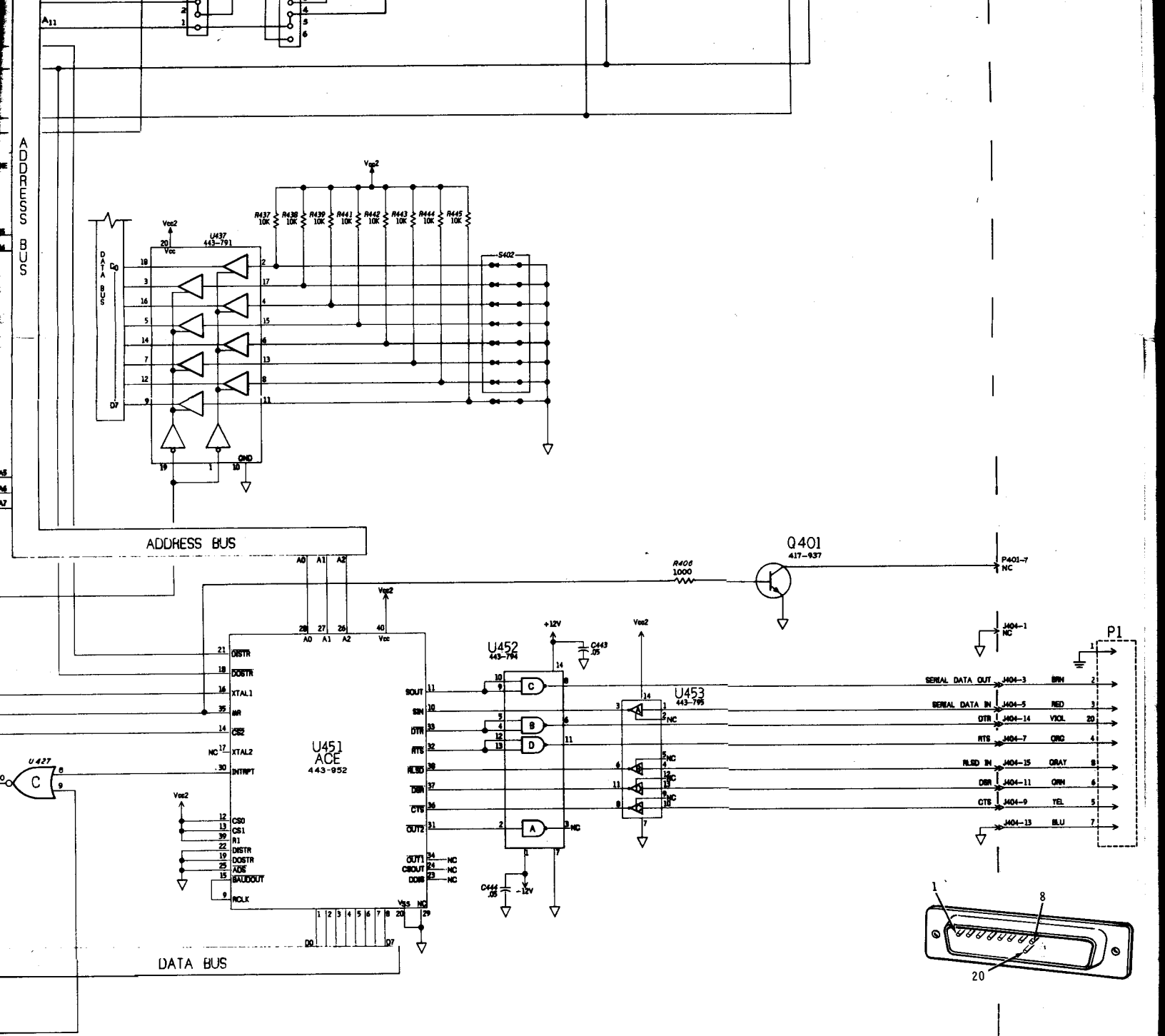
DATA BUS



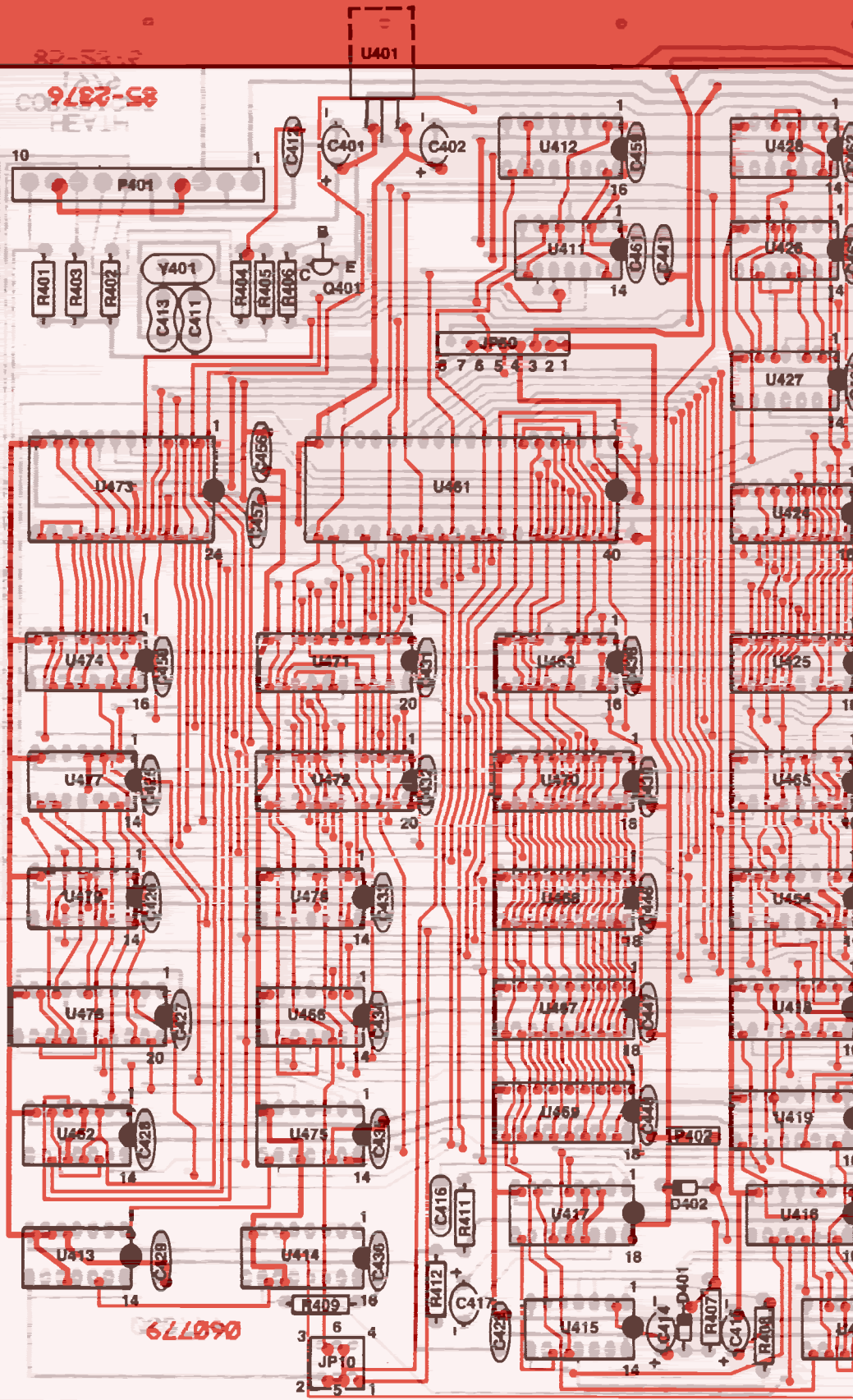


TERMINAL LOGIC CIRCUIT BOARD



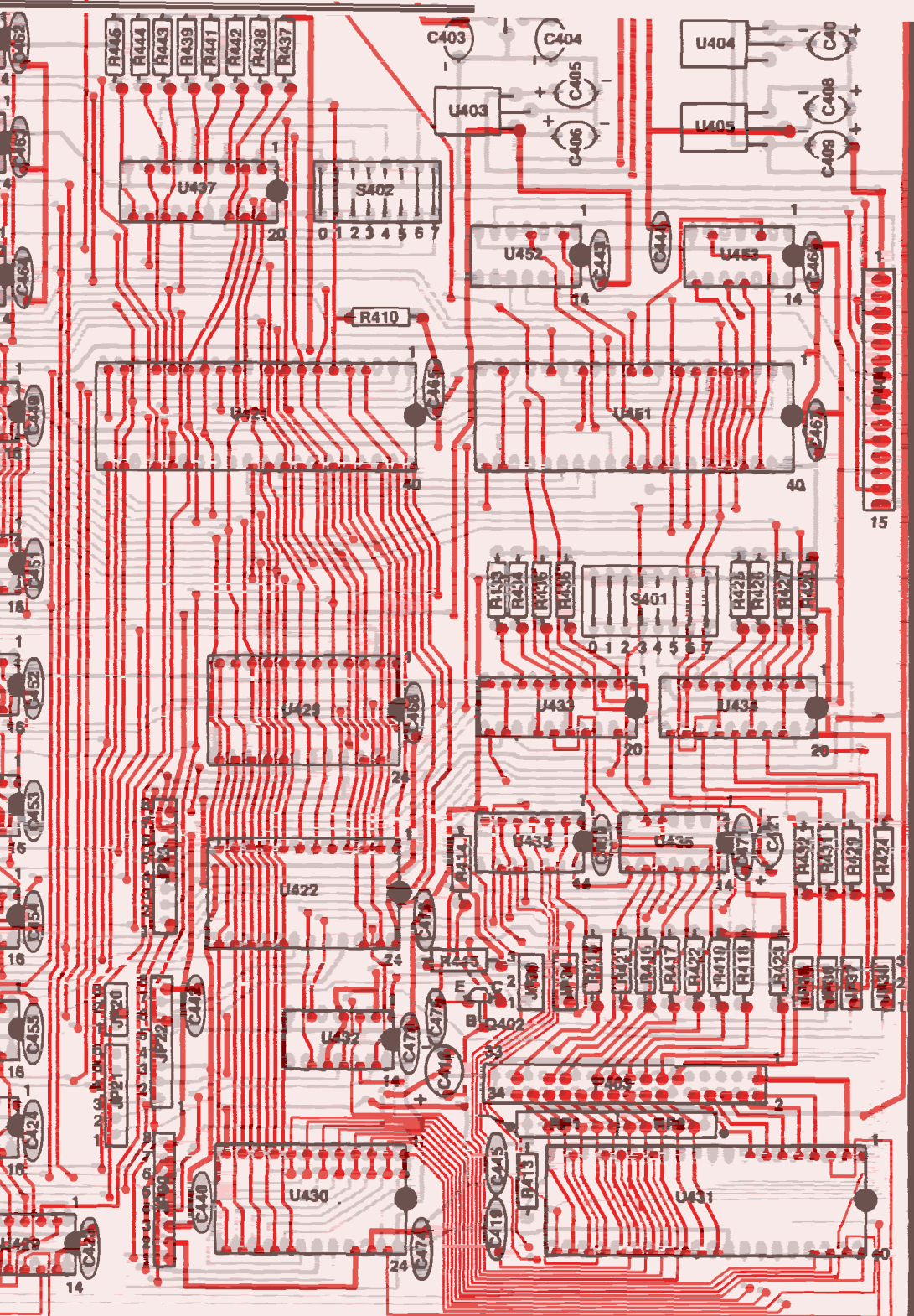


9/67-58
COS 95-2376
REV 17

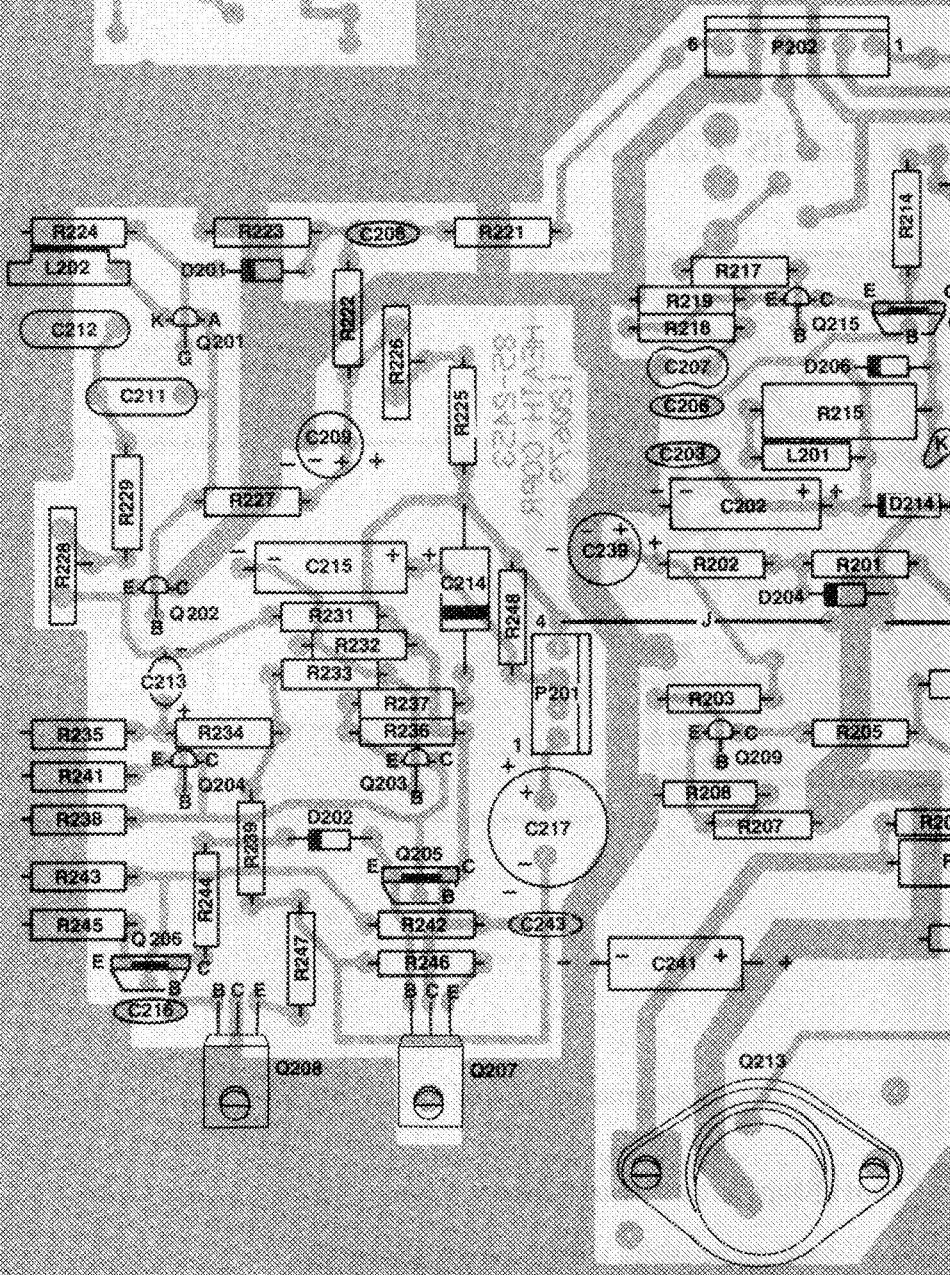
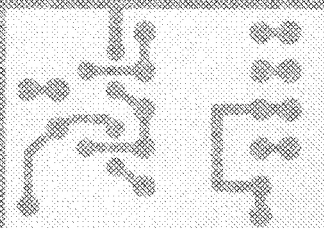


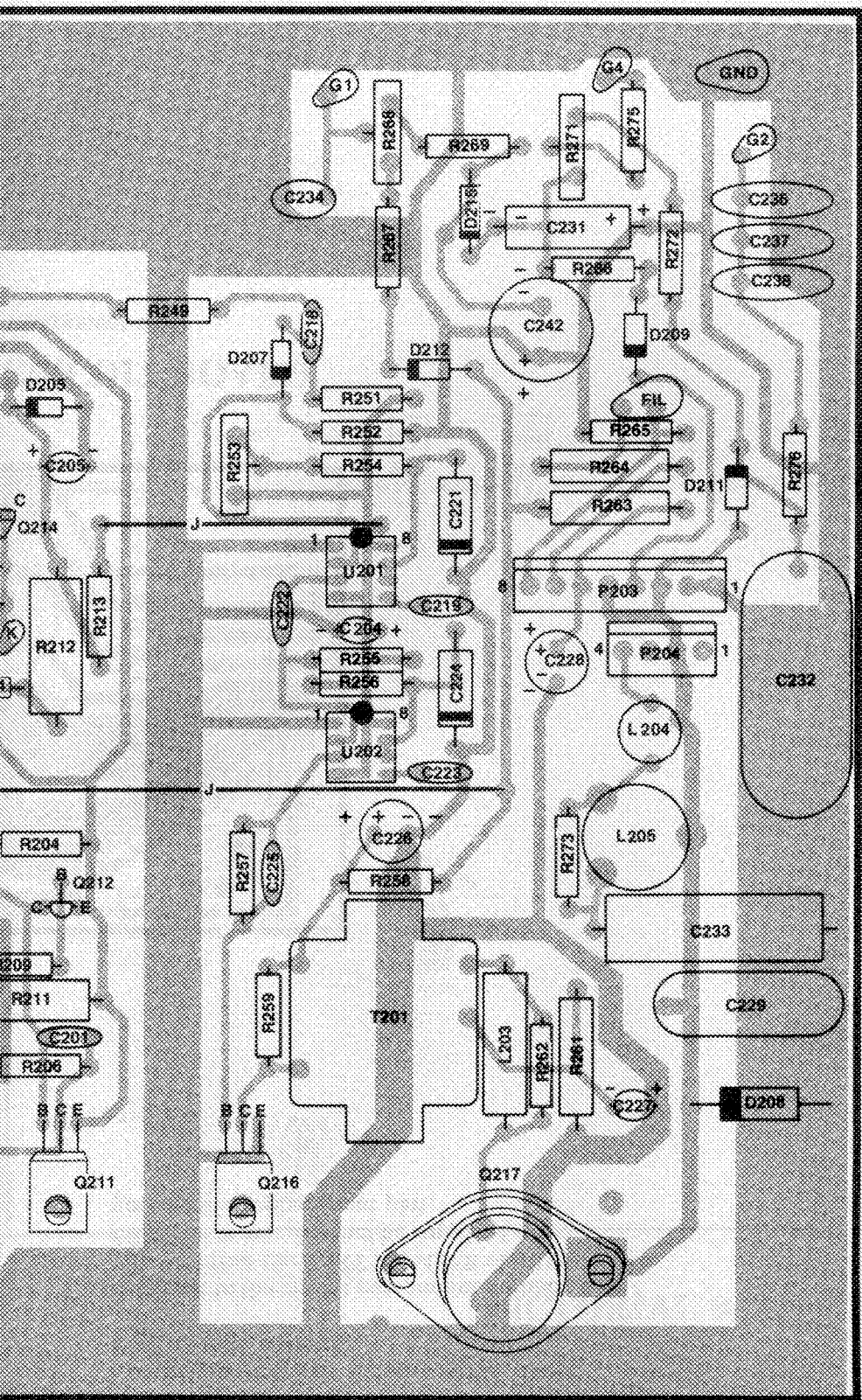
TERMINAL LOGIC C

(Viewed from the com



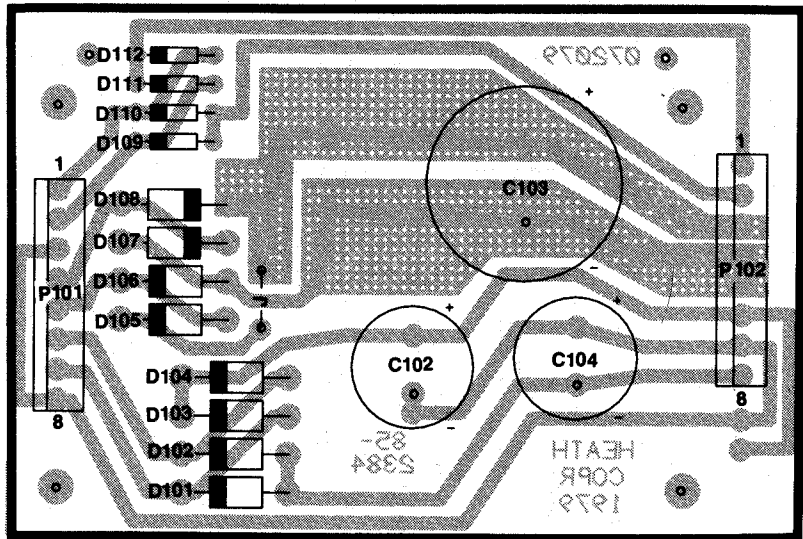
CIRCUIT BOARD
 (component side)





UIT BOARD

(component side)



POWER SUPPLY CIRCUIT BOARD

(Viewed from the component side)