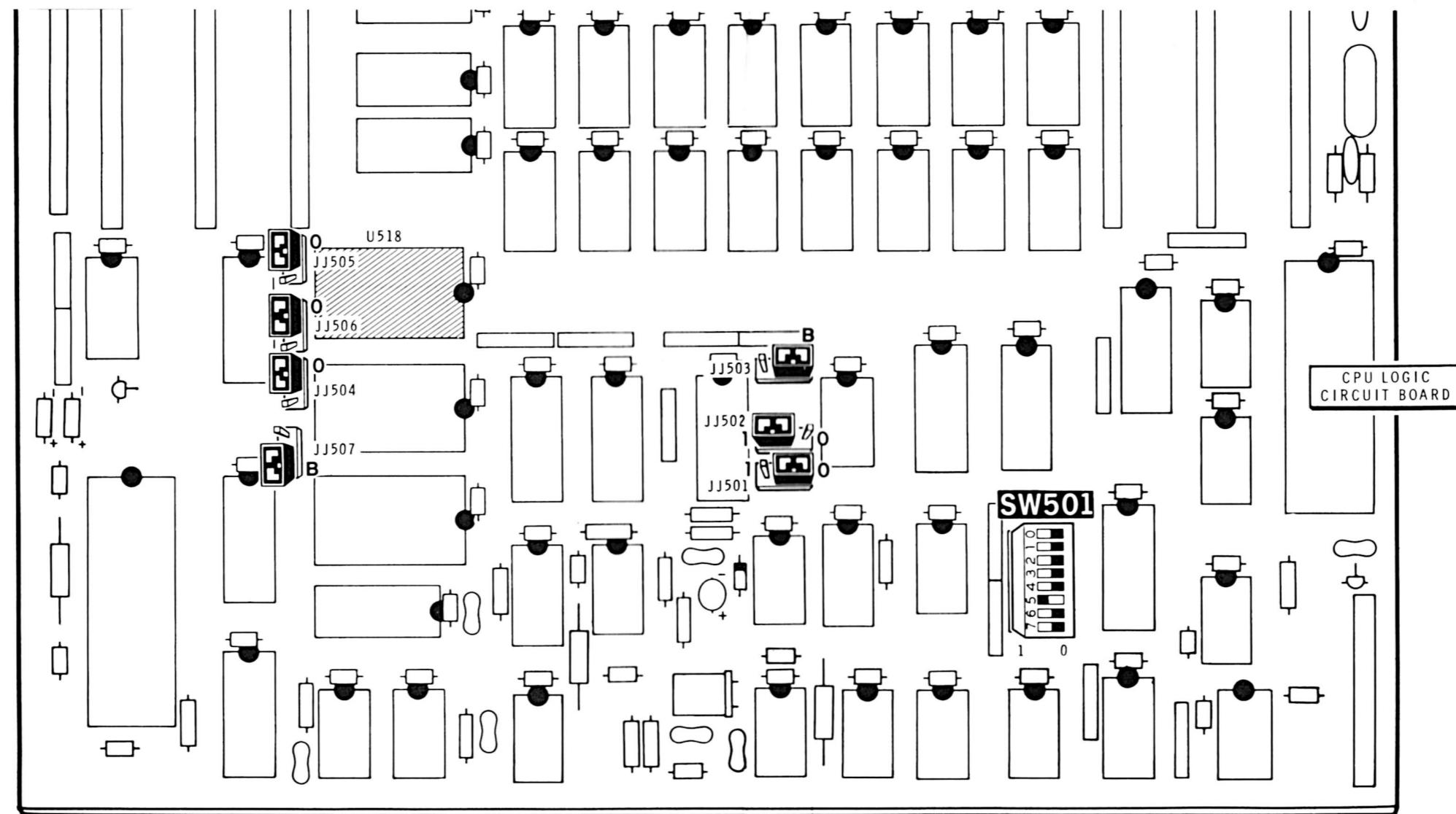


ILLUSTRATION BOOKLET

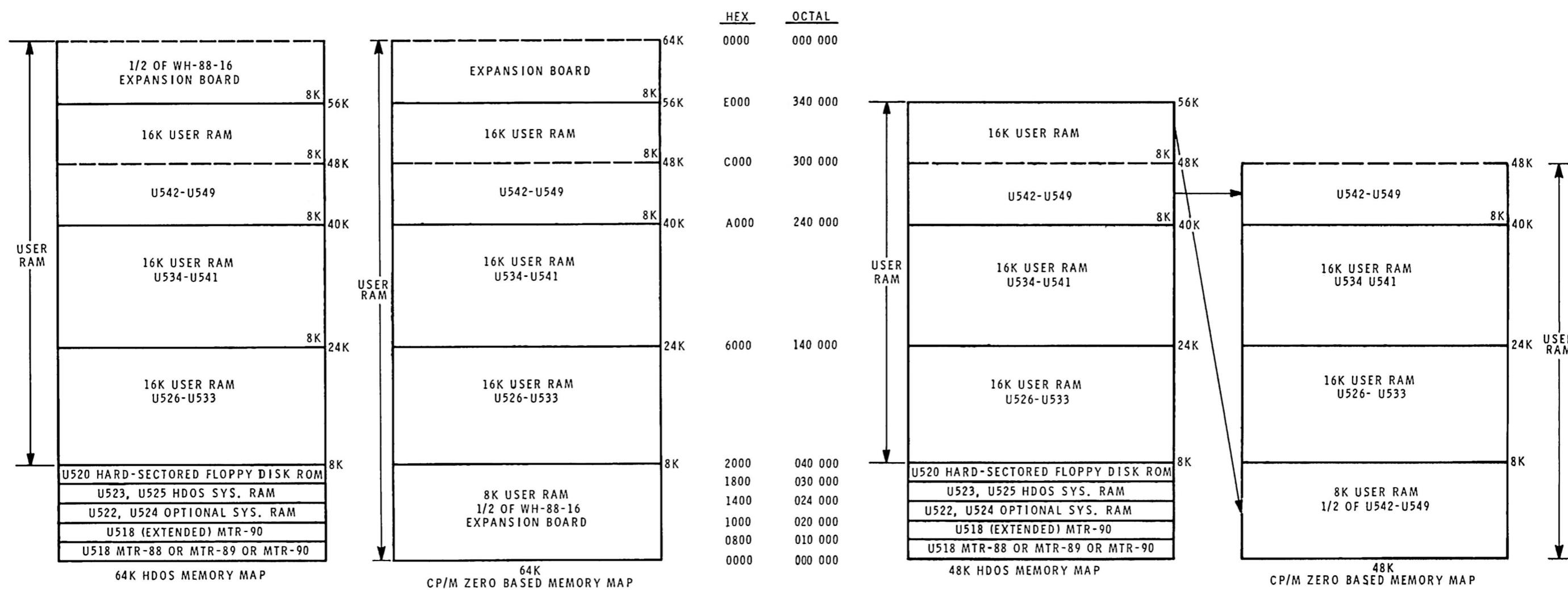
Part of 595-2766



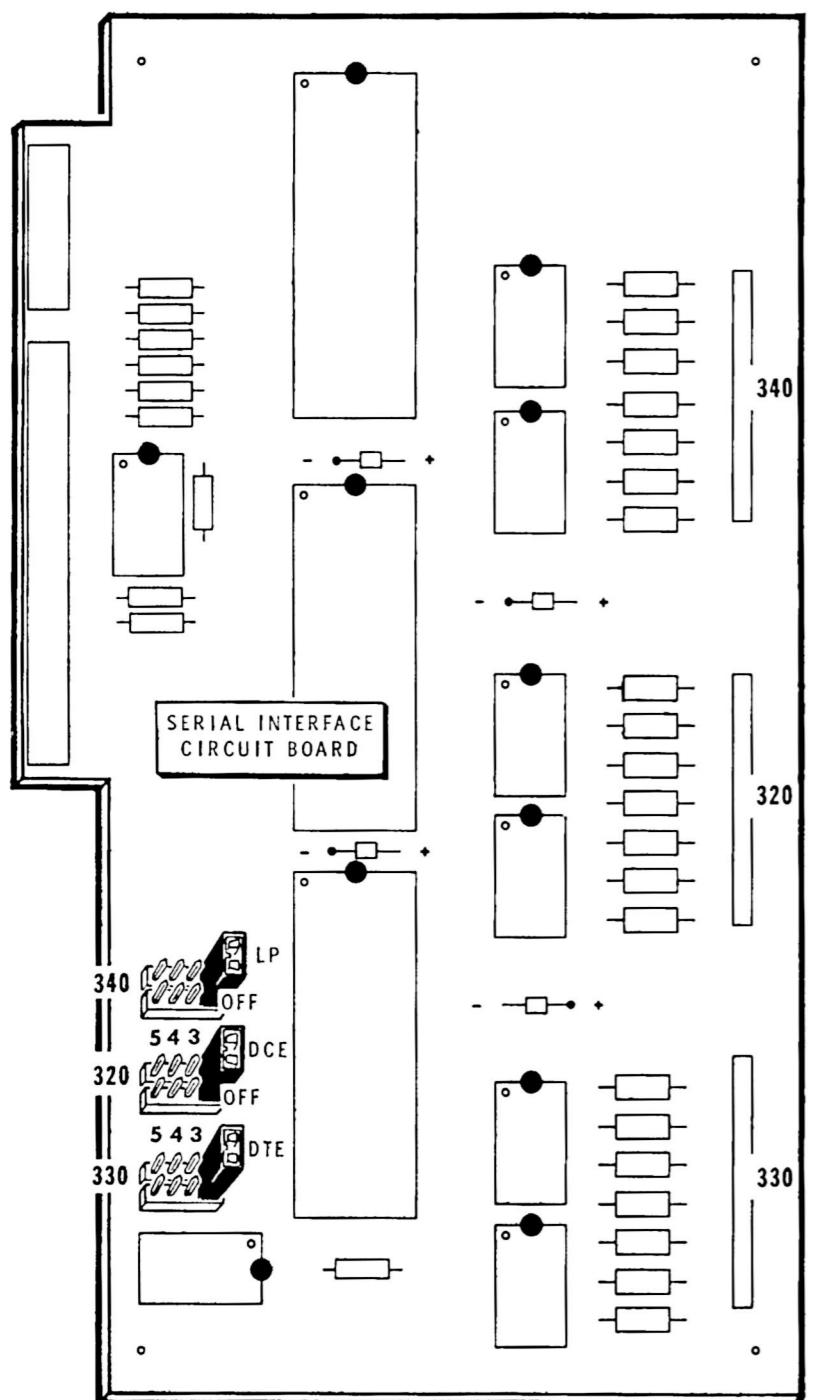
PICTORIAL 4-2

Model H-89A Operation

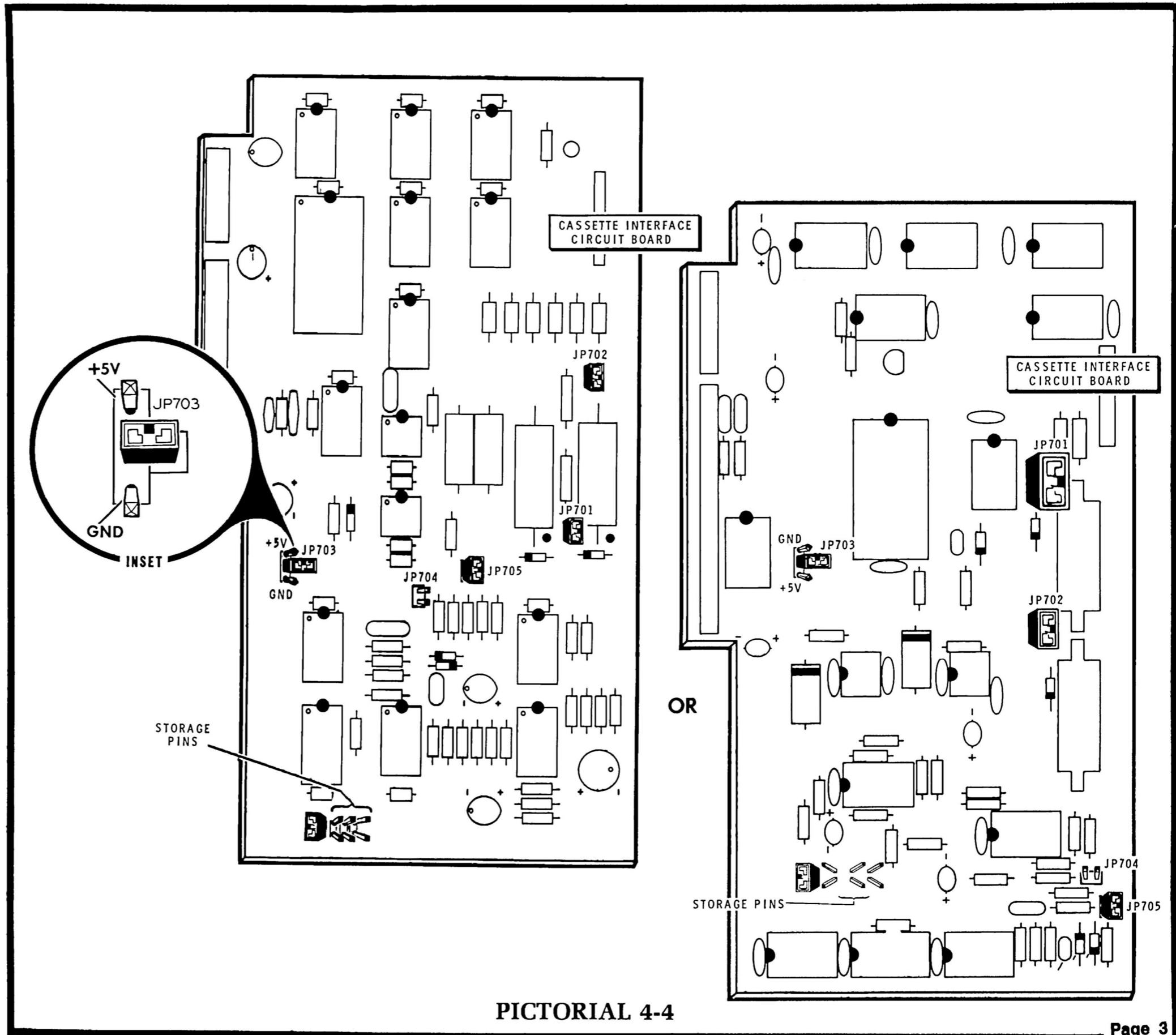
Copyright © 1981
Heath Company
All Rights Reserved
Printed in the United States of America

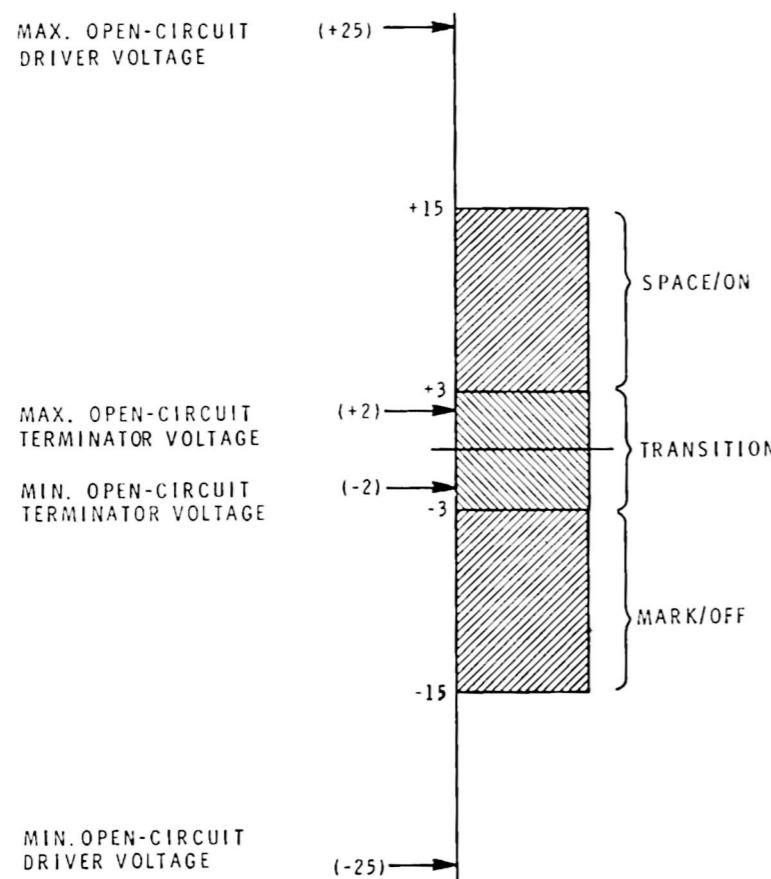


MEMORY MAP

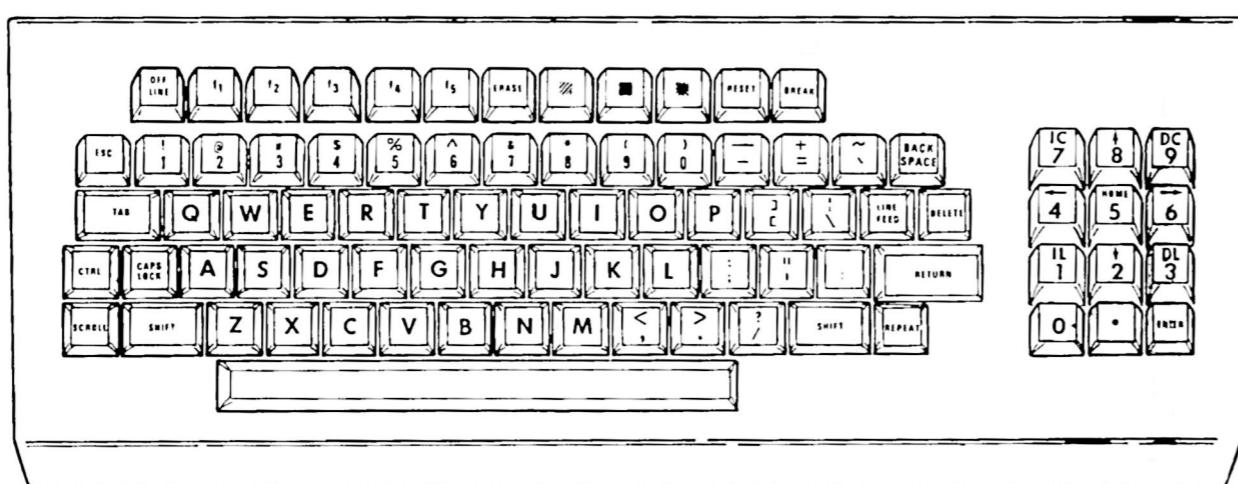


PICTORIAL 4-3

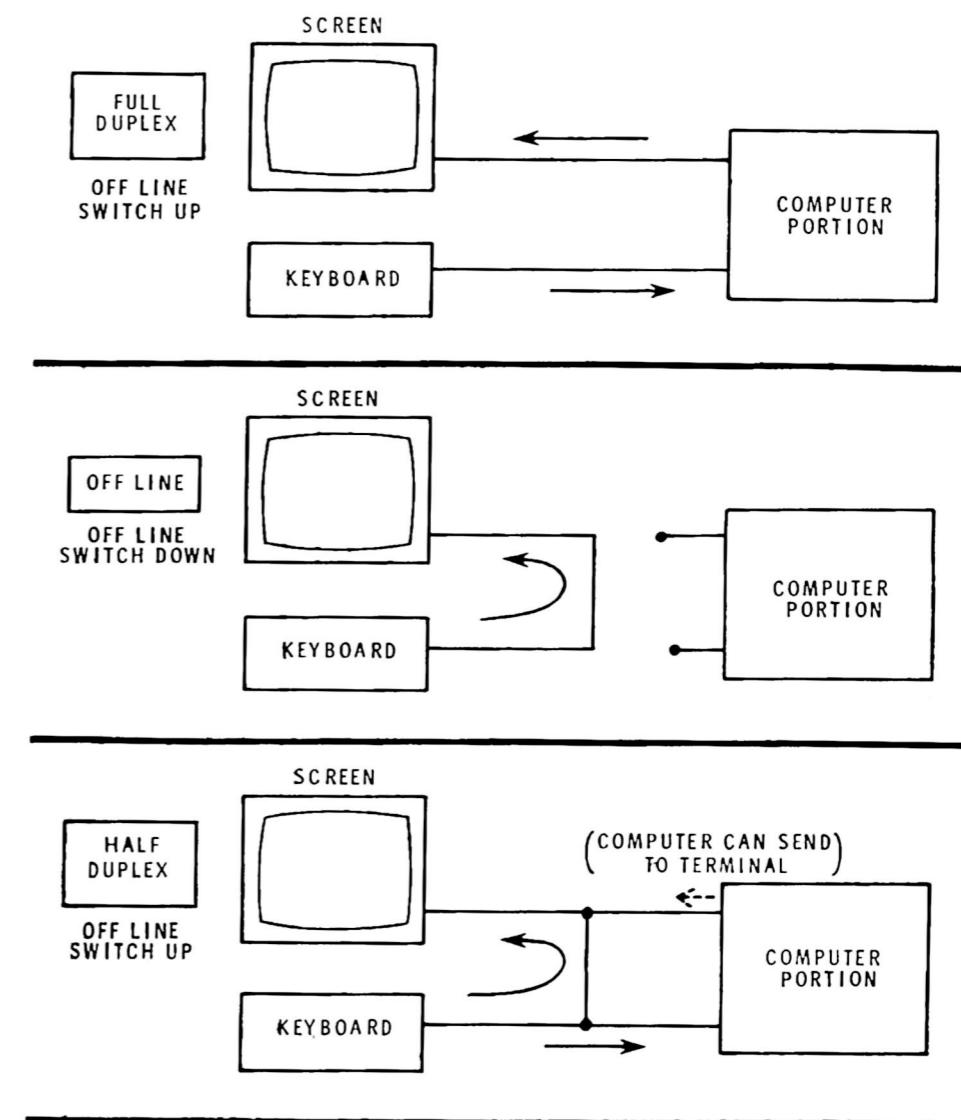




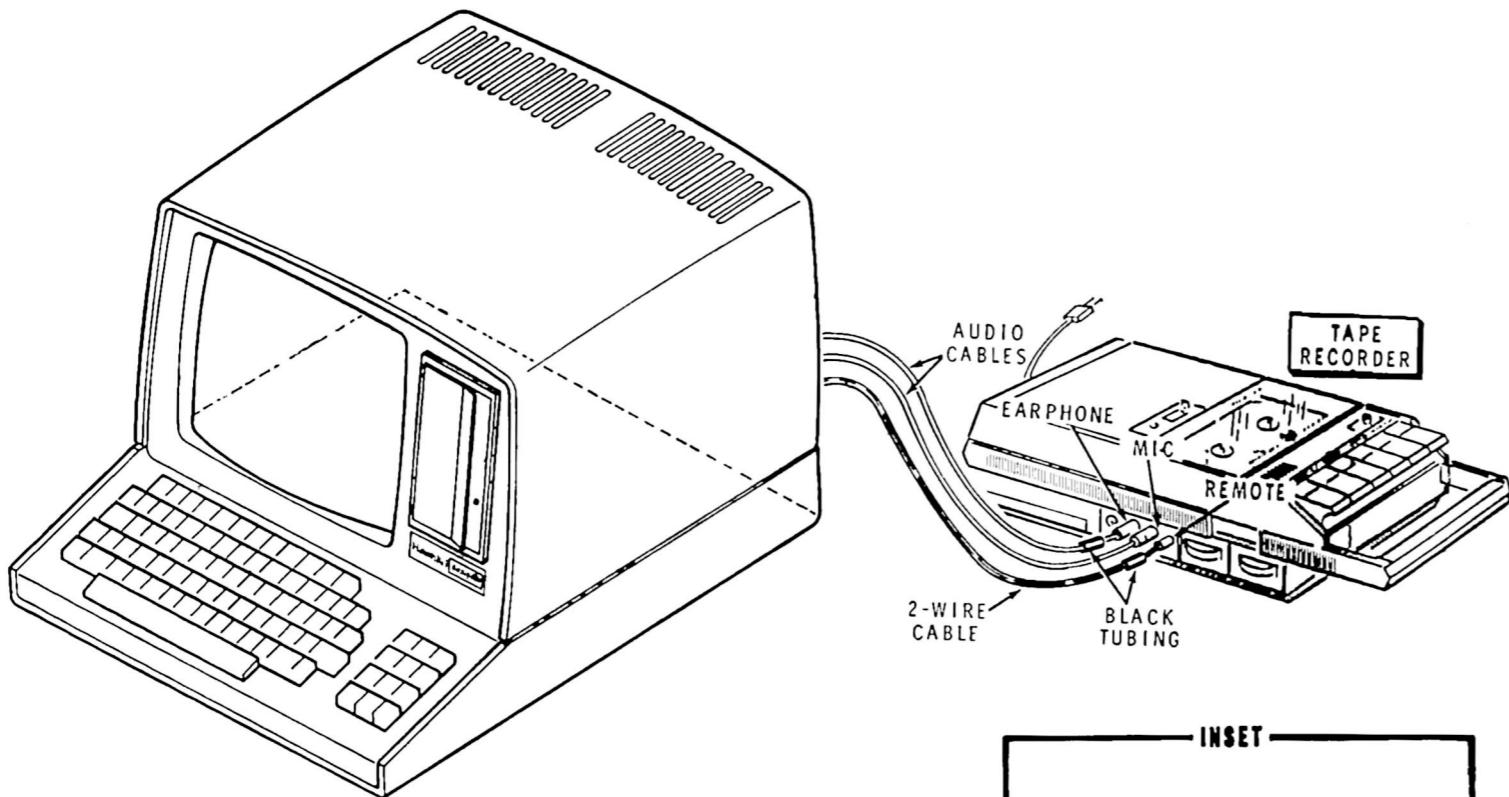
PICTORIAL 4-5



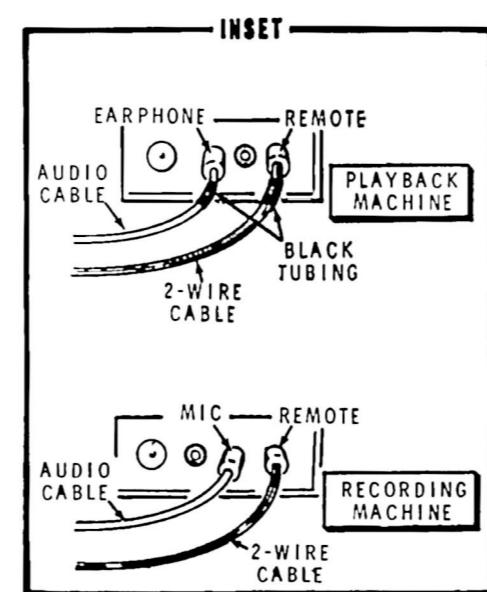
PICTORIAL 5-1



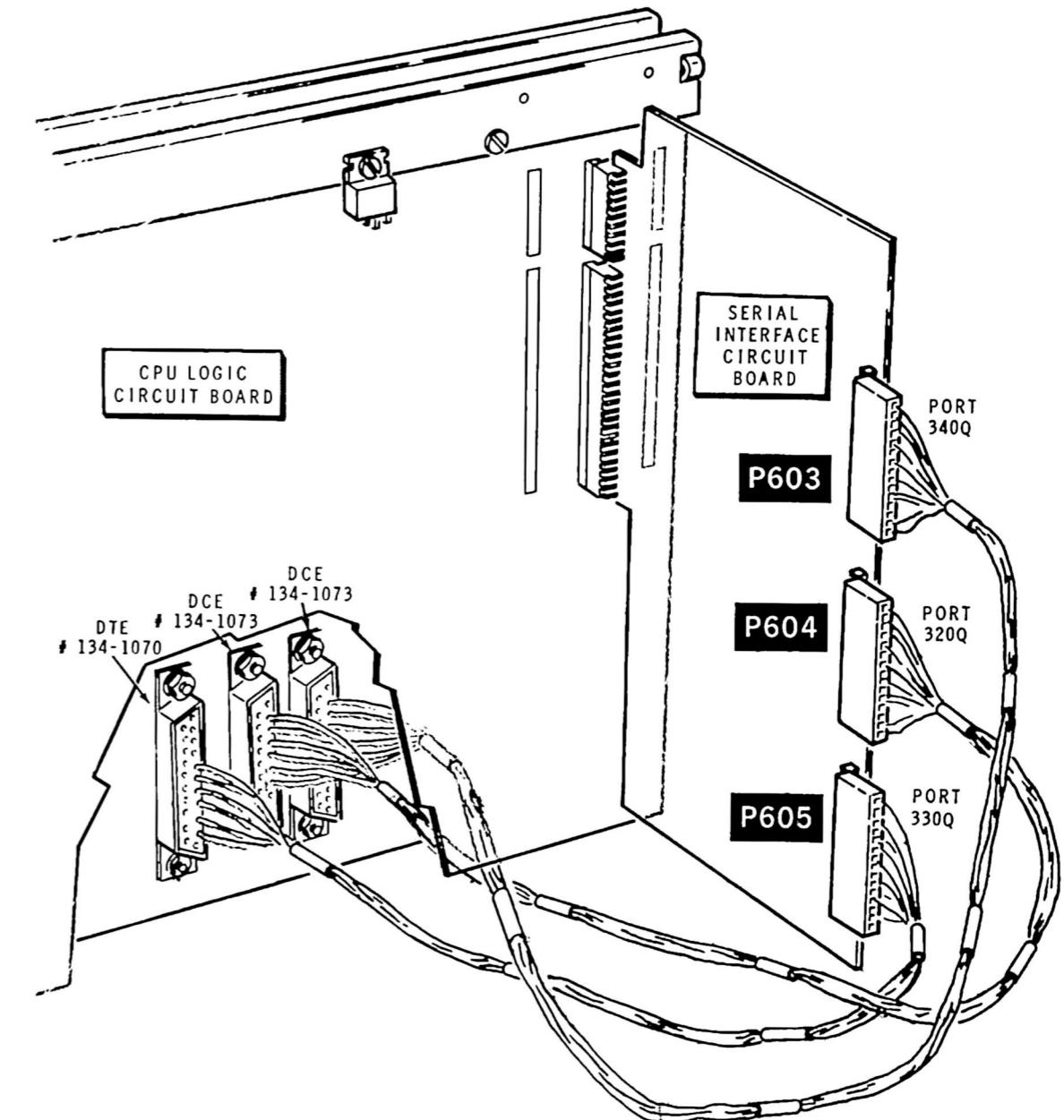
PICTORIAL 5-2



USING
ONE
MACHINE

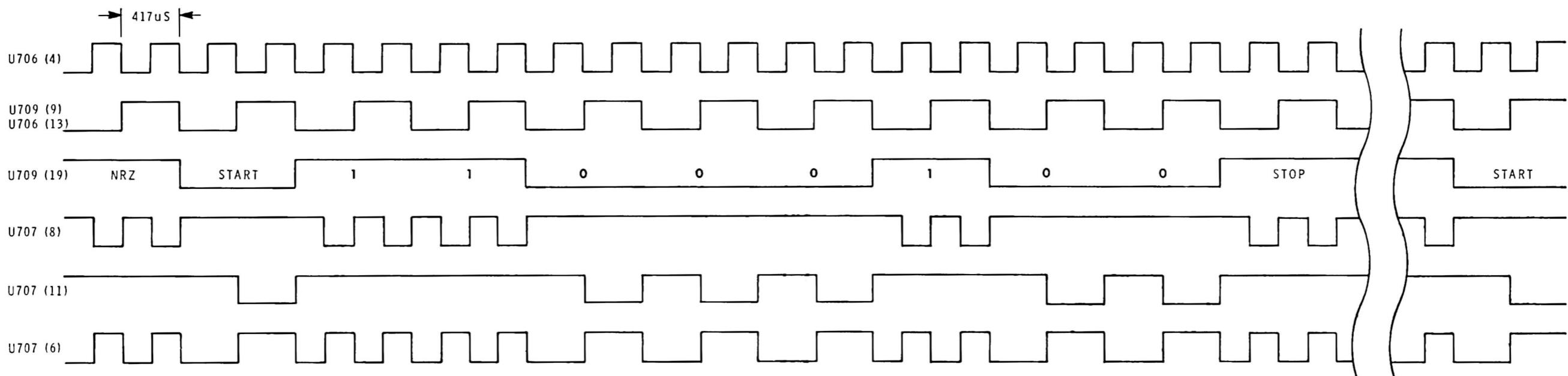


USING
TWO
MACHINES

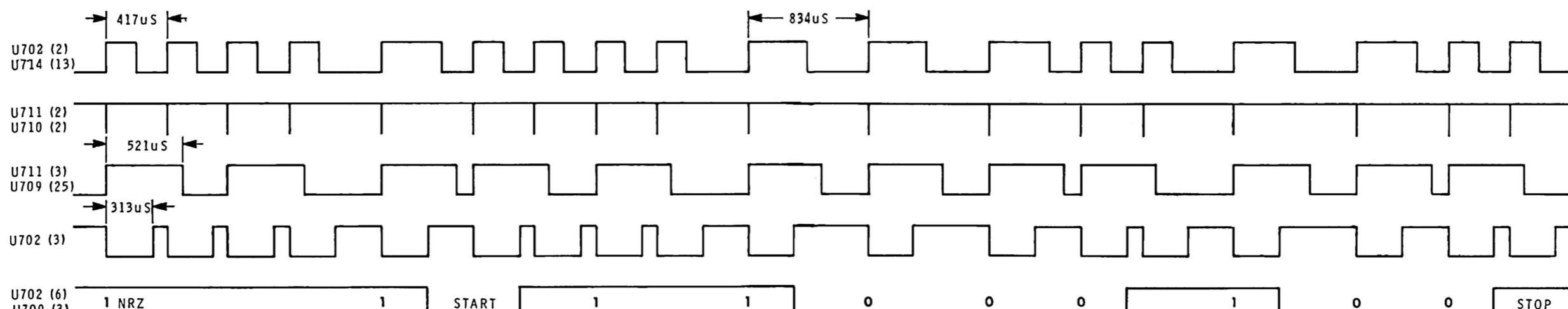


PICTORIAL 5-5

PICTORIAL 5-6

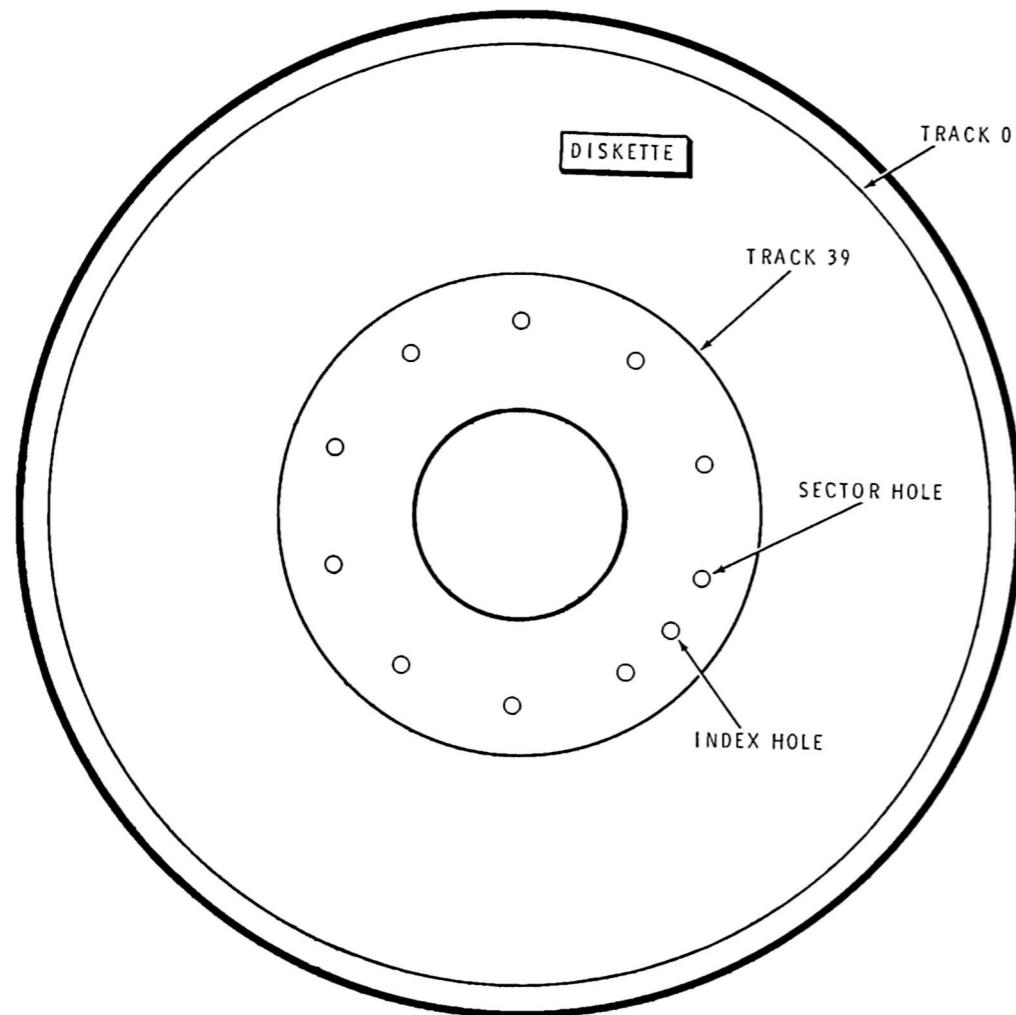


PICTORIAL 8-5

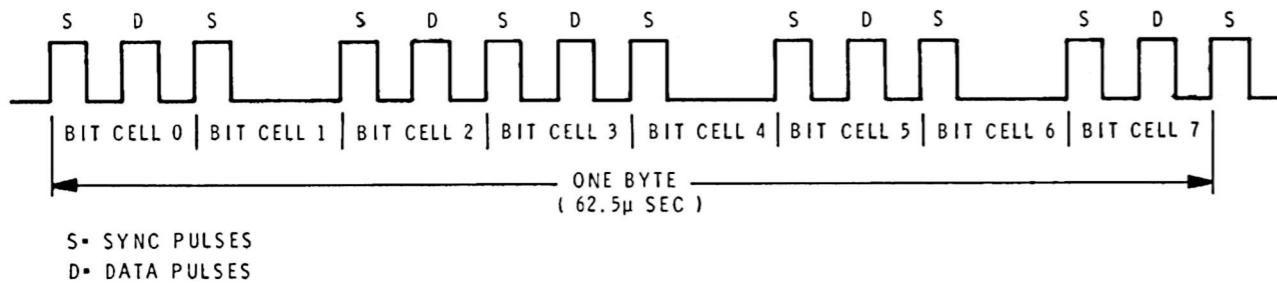


NOTE: U707 SAMPLES THE NRZ DATA
ON THE RISING EDGE OF OUTPUT
FROM 521μS ONE-SHOT (PIN 3 OF U711)

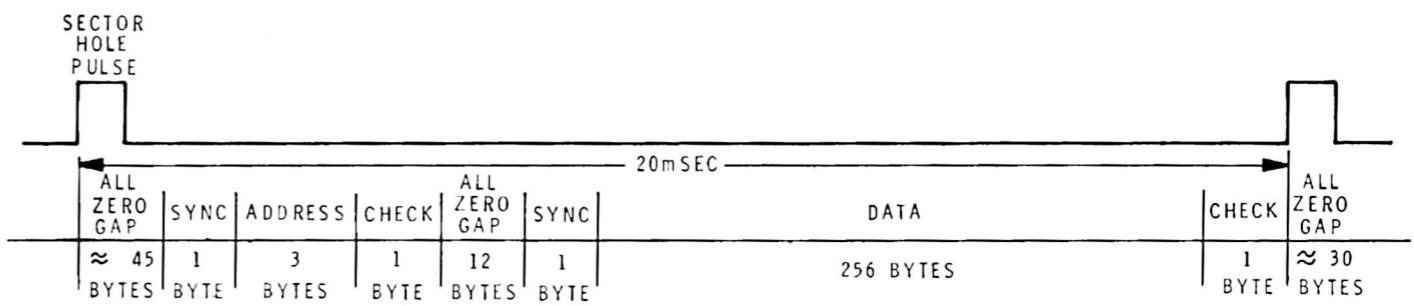
PICTORIAL 8-6



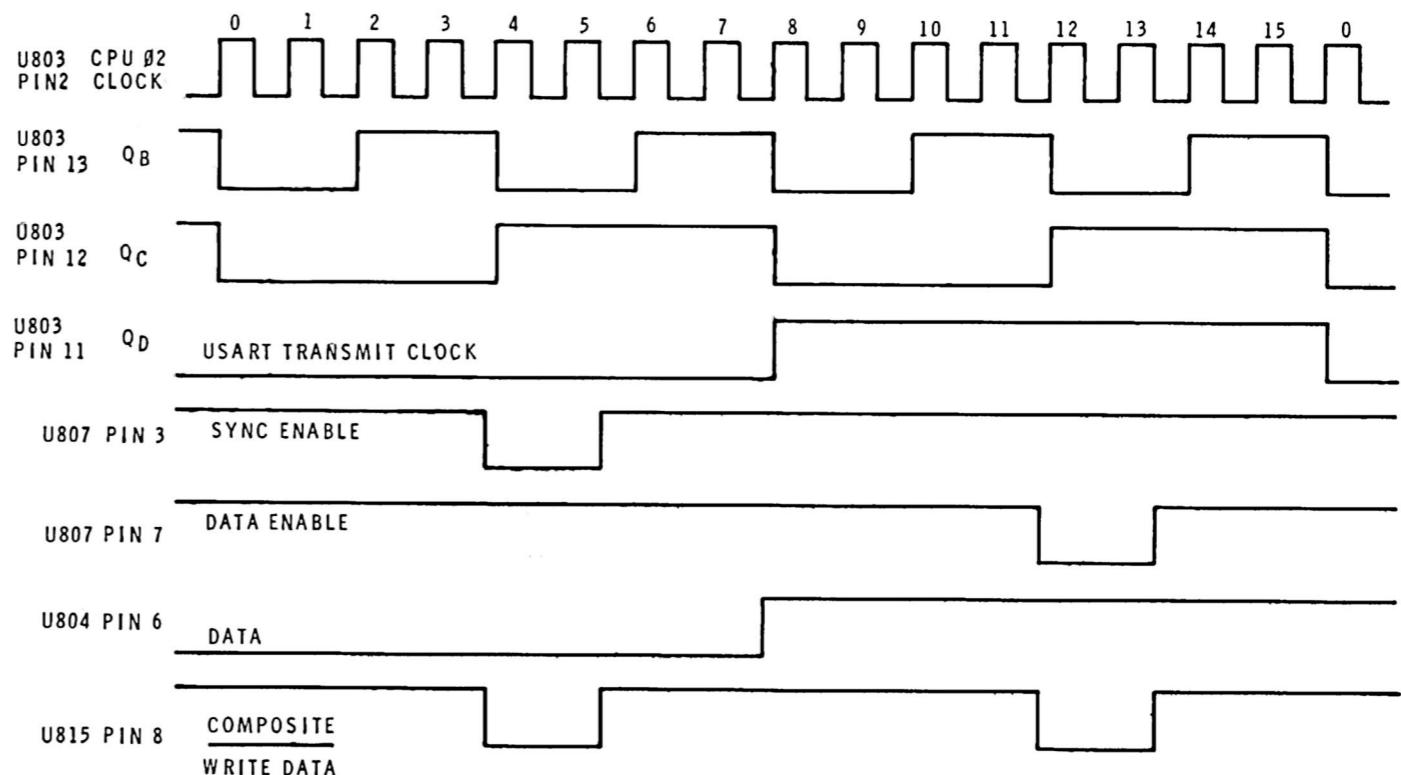
PICTORIAL 8-7



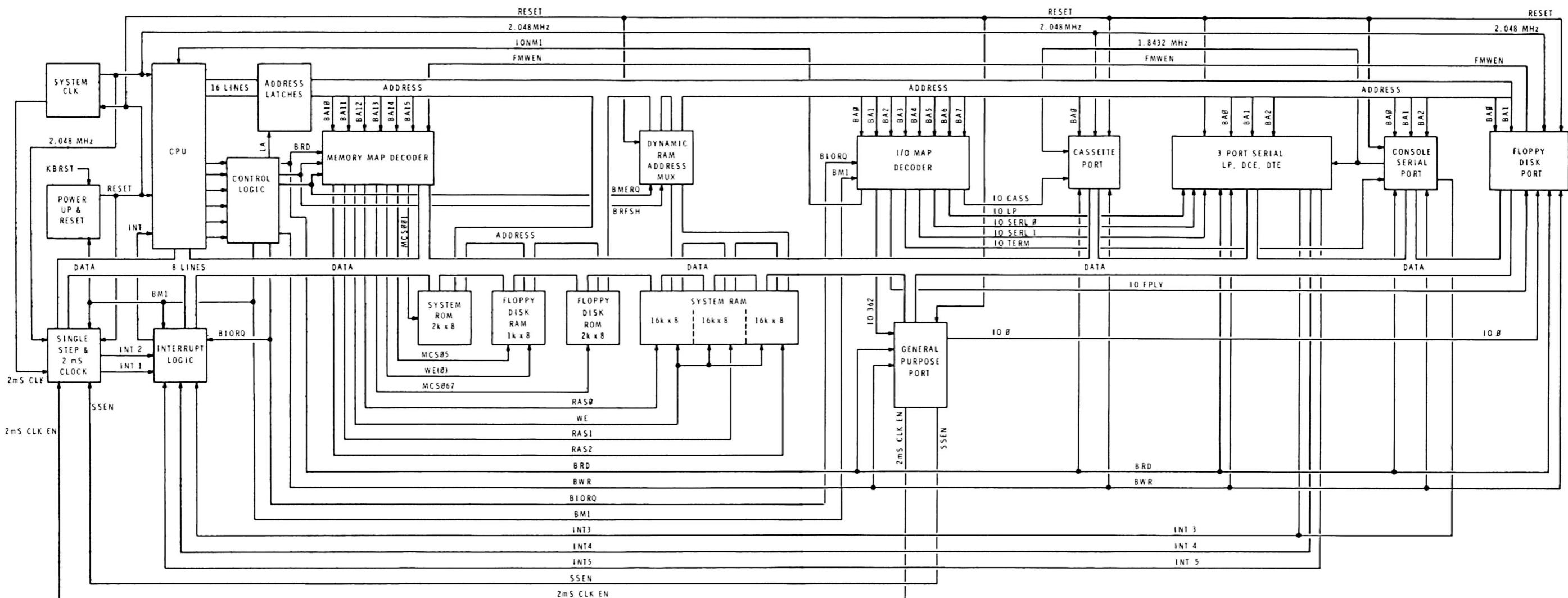
PICTORIAL 8-9



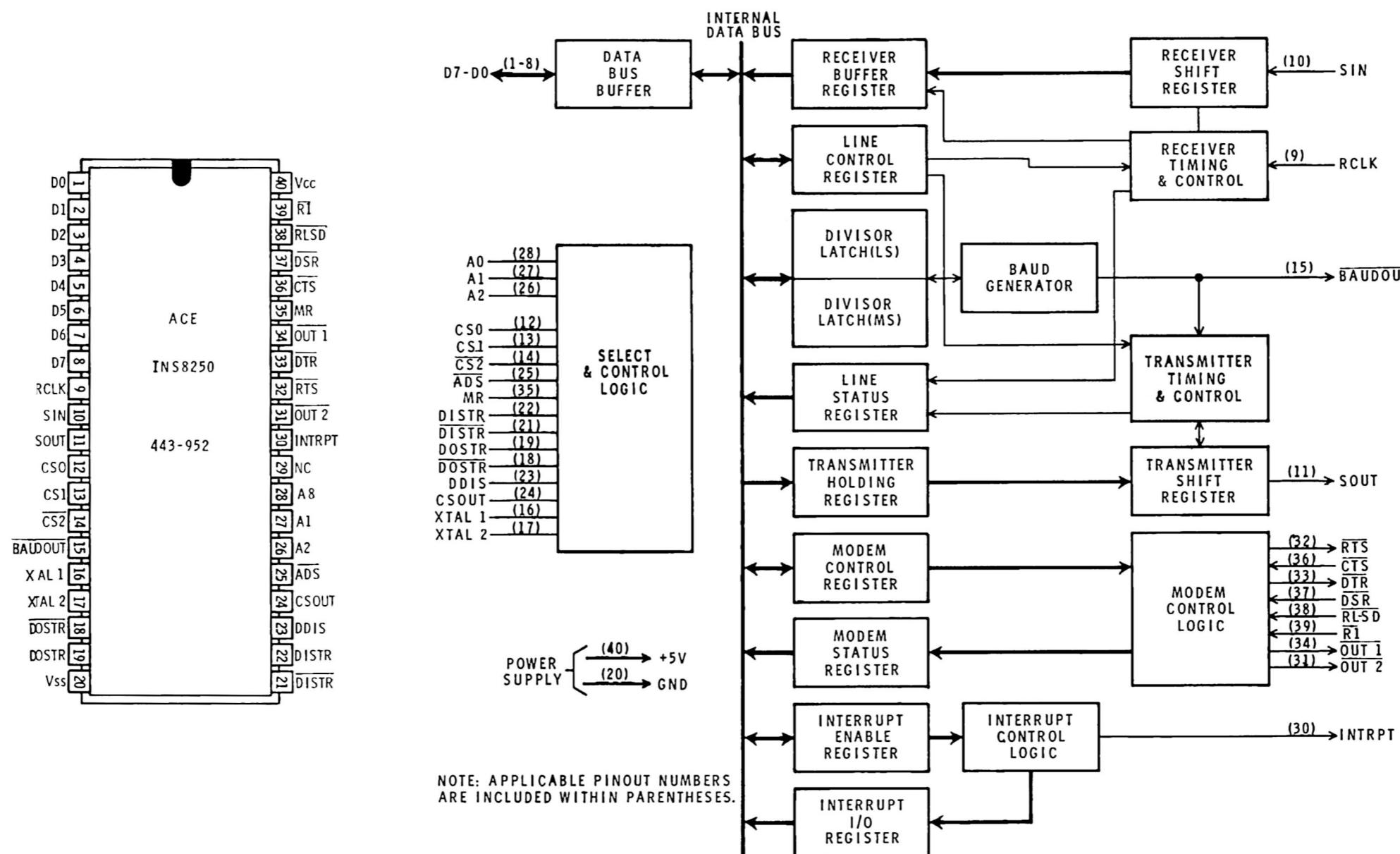
PICTORIAL 8-10



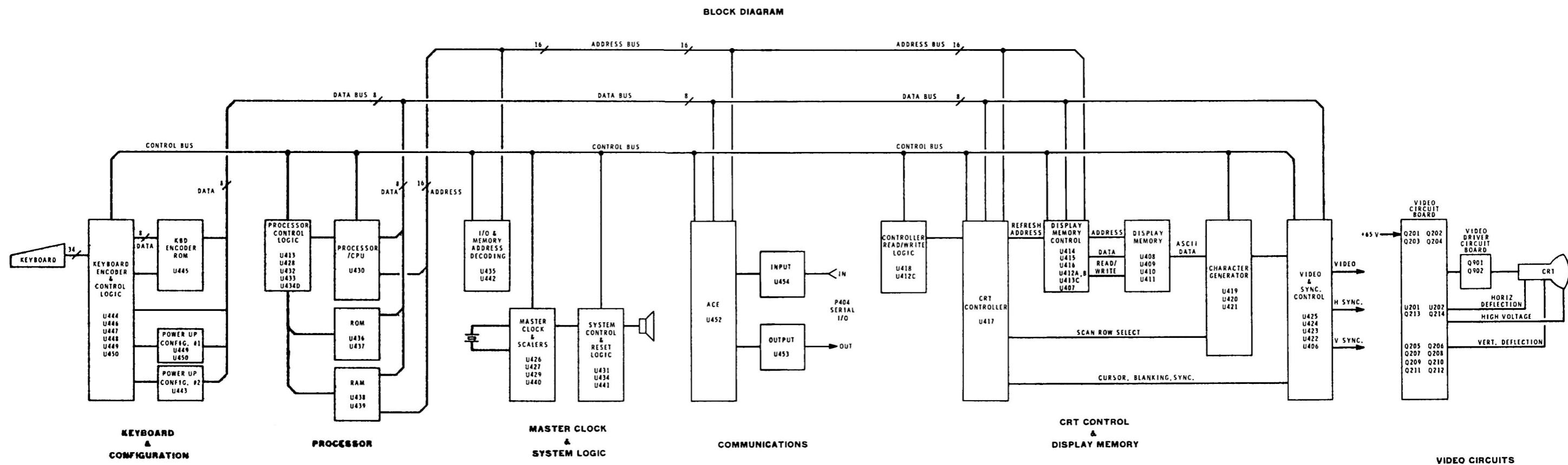
PICTORIAL 8-11



**CPU LOGIC AND I/O INTERFACE
BLOCK DIAGRAM**



**ASYNCHRONOUS COMMUNICATIONS ELEMENT (ACE)
BLOCK DIAGRAM**

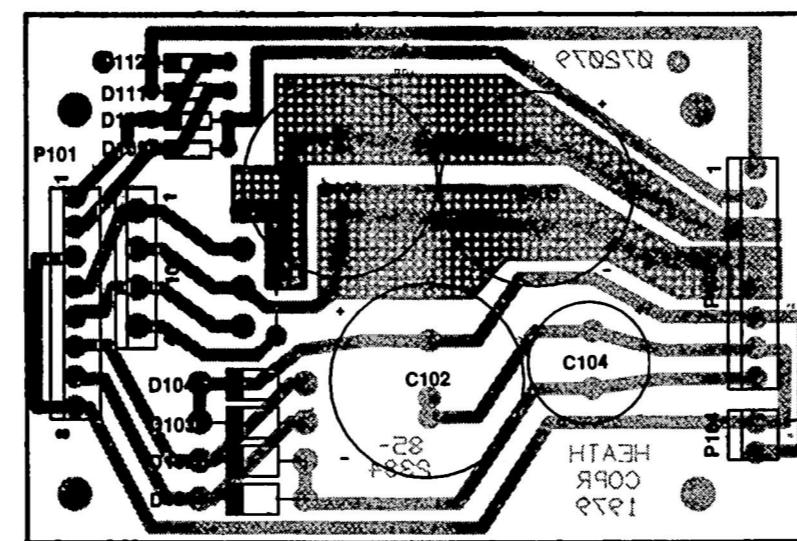


TERMINAL LOGIC AND VIDEO CIRCUITS BLOCK DIAGRAM

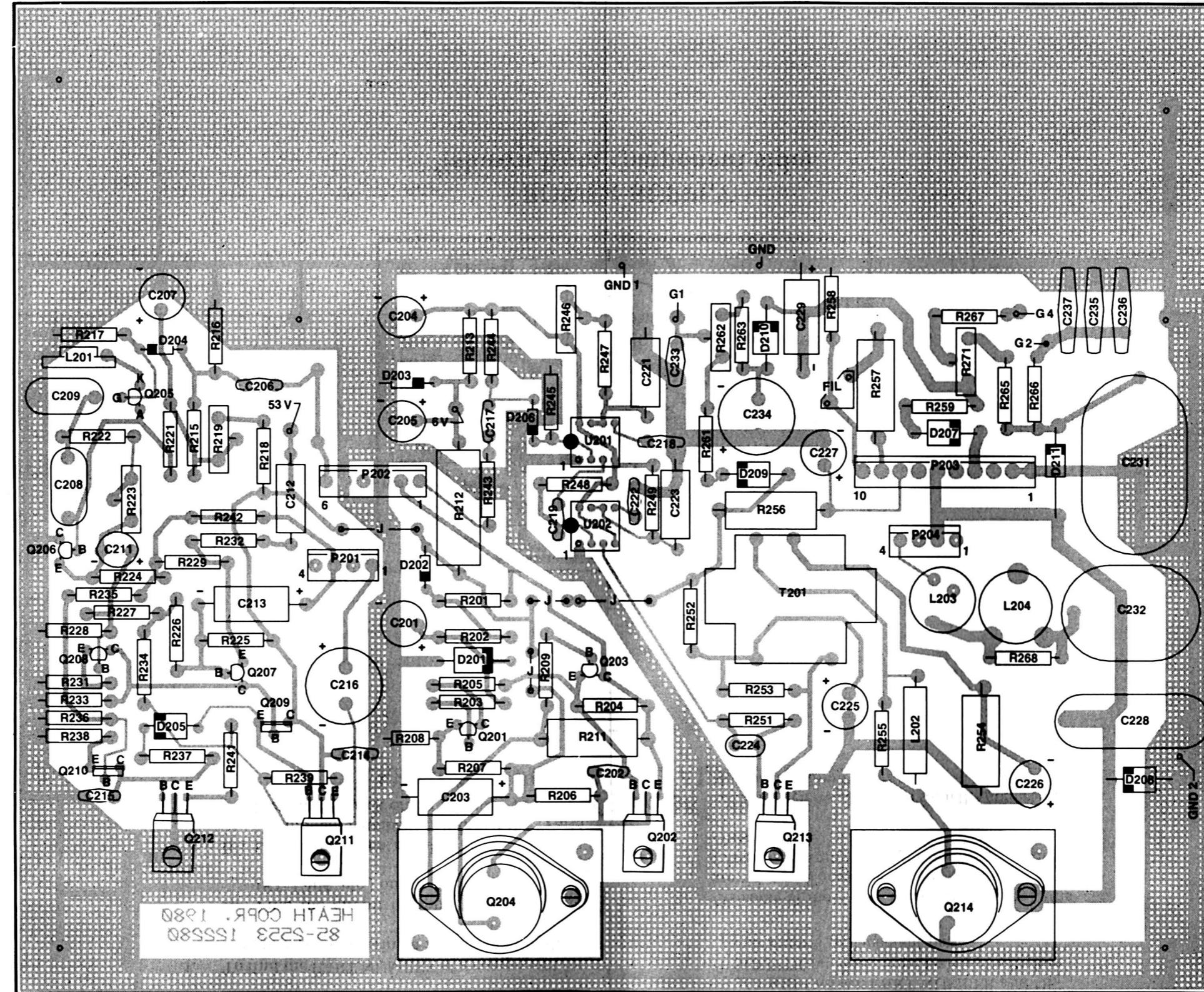
CIRCUIT BOARD X-RAY VIEWS

NOTES:

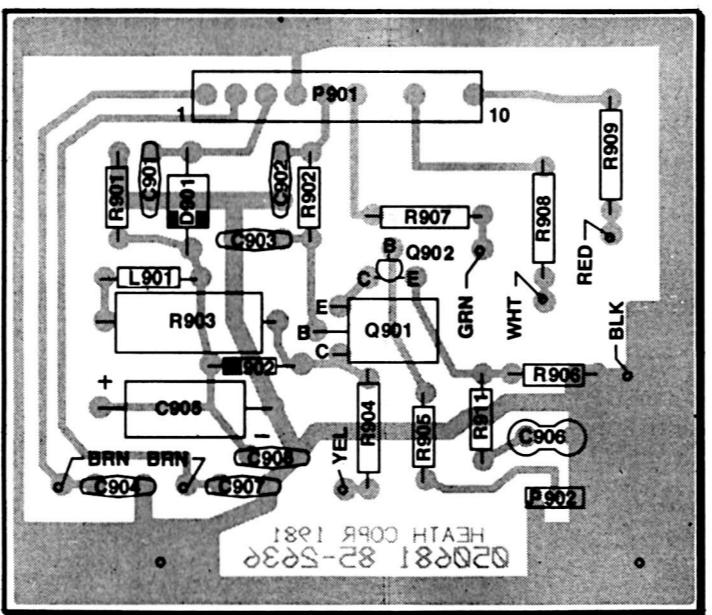
1. To find the PART NUMBER of a component for the purpose of ordering a replacement part:
 - A. Find the circuit component part number (R1, C404, etc.) on the X-Ray View.
 - B. Locate the same number in the "Circuit Component Number" column of the "Parts List" in the back of the Manual.
- C. Adjacent to the circuit component number, you will find the PART NUMBER and DESCRIPTION which must be supplied when you order a replacement part.
2. On some of the X-Ray Views, two foil patterns are shown. Those in red are component-side foils; those in gray are on the opposite side of the circuit board.
3. All X-Ray views are shown from the component side of the circuit boards.



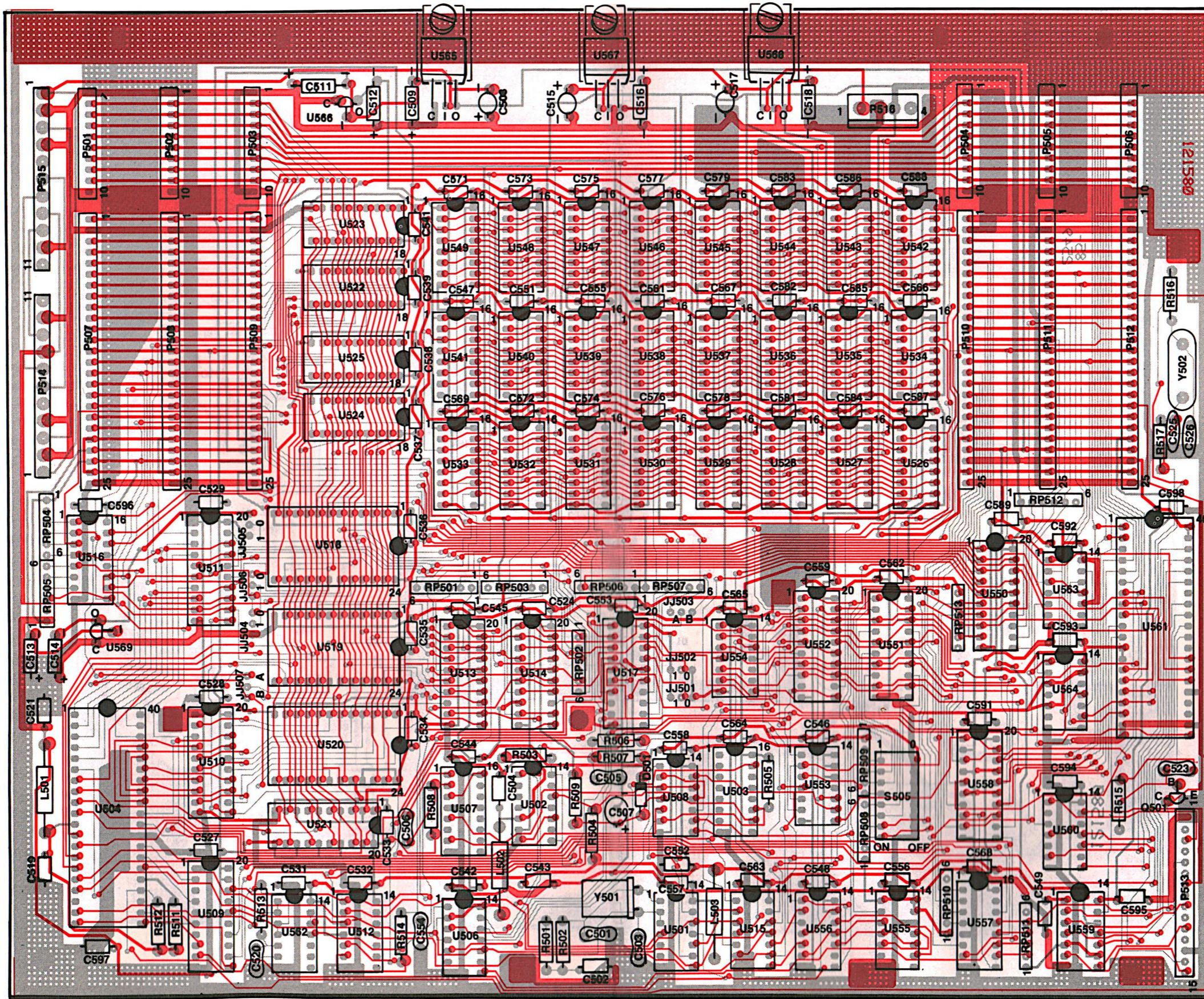
POWER SUPPLY
(shown from component side)



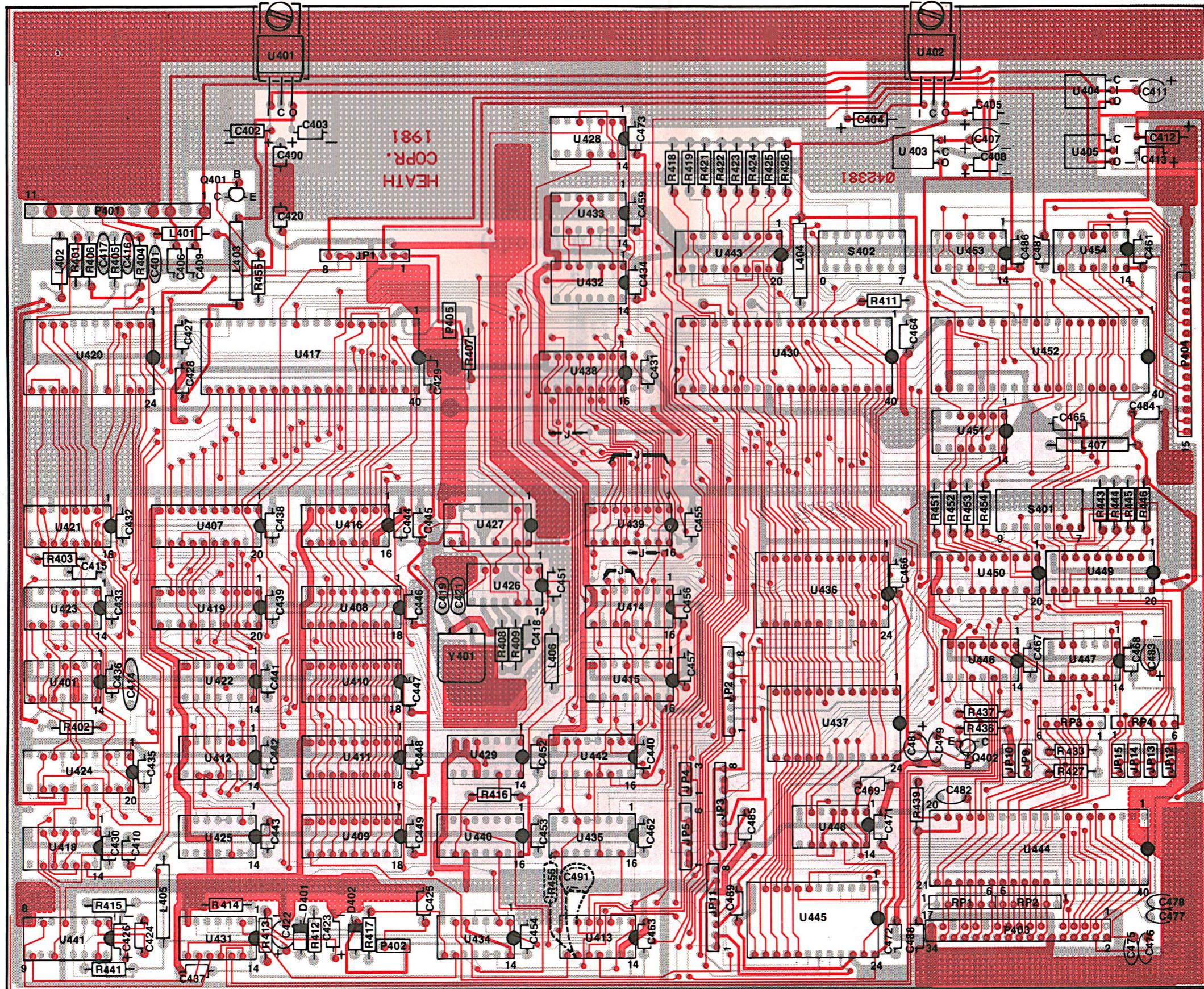
VIDEO CIRCUIT BOARD (shown from component side)



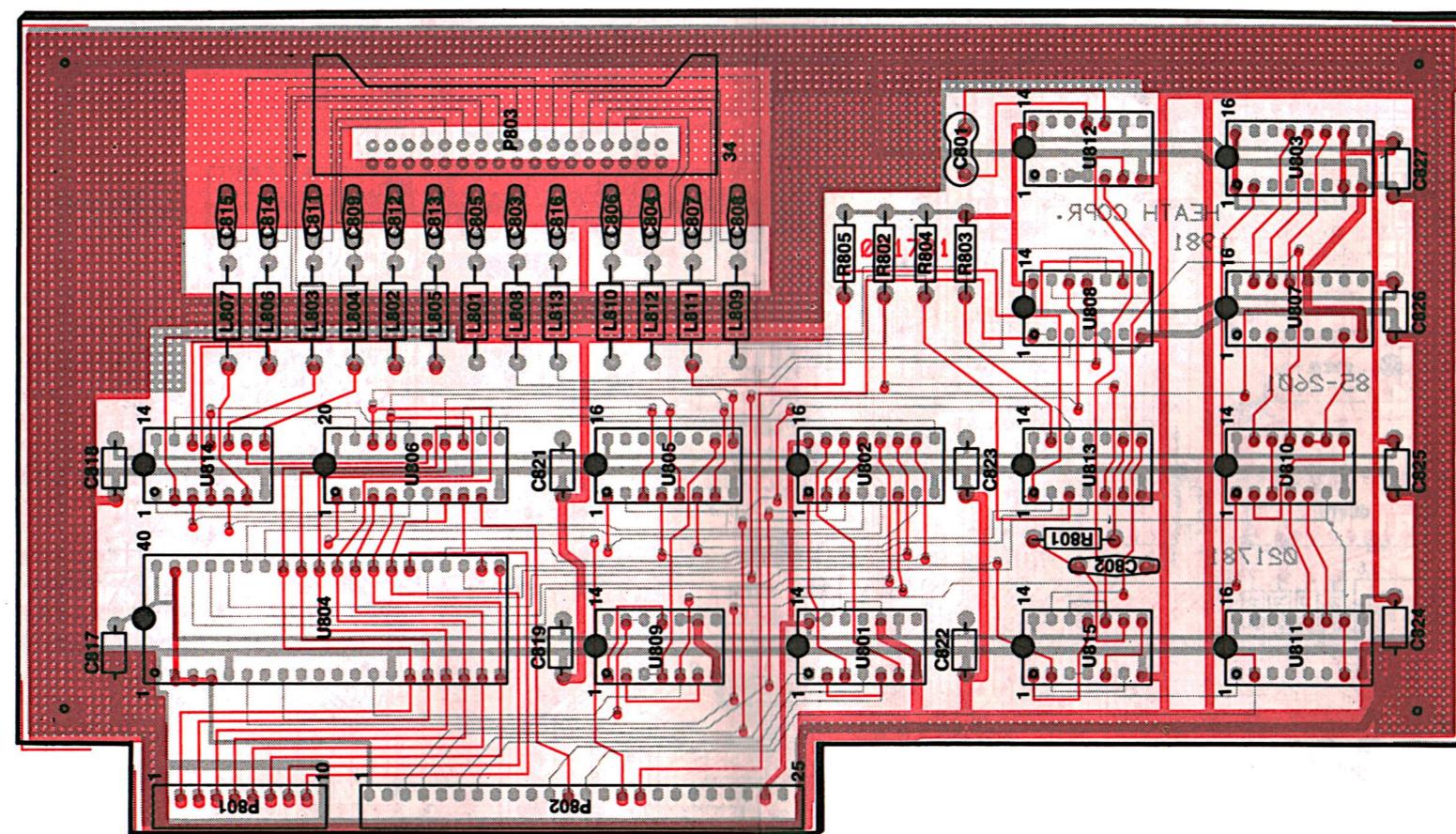
VIDEO DRIVER CIRCUIT BOARD
(shown from component side)

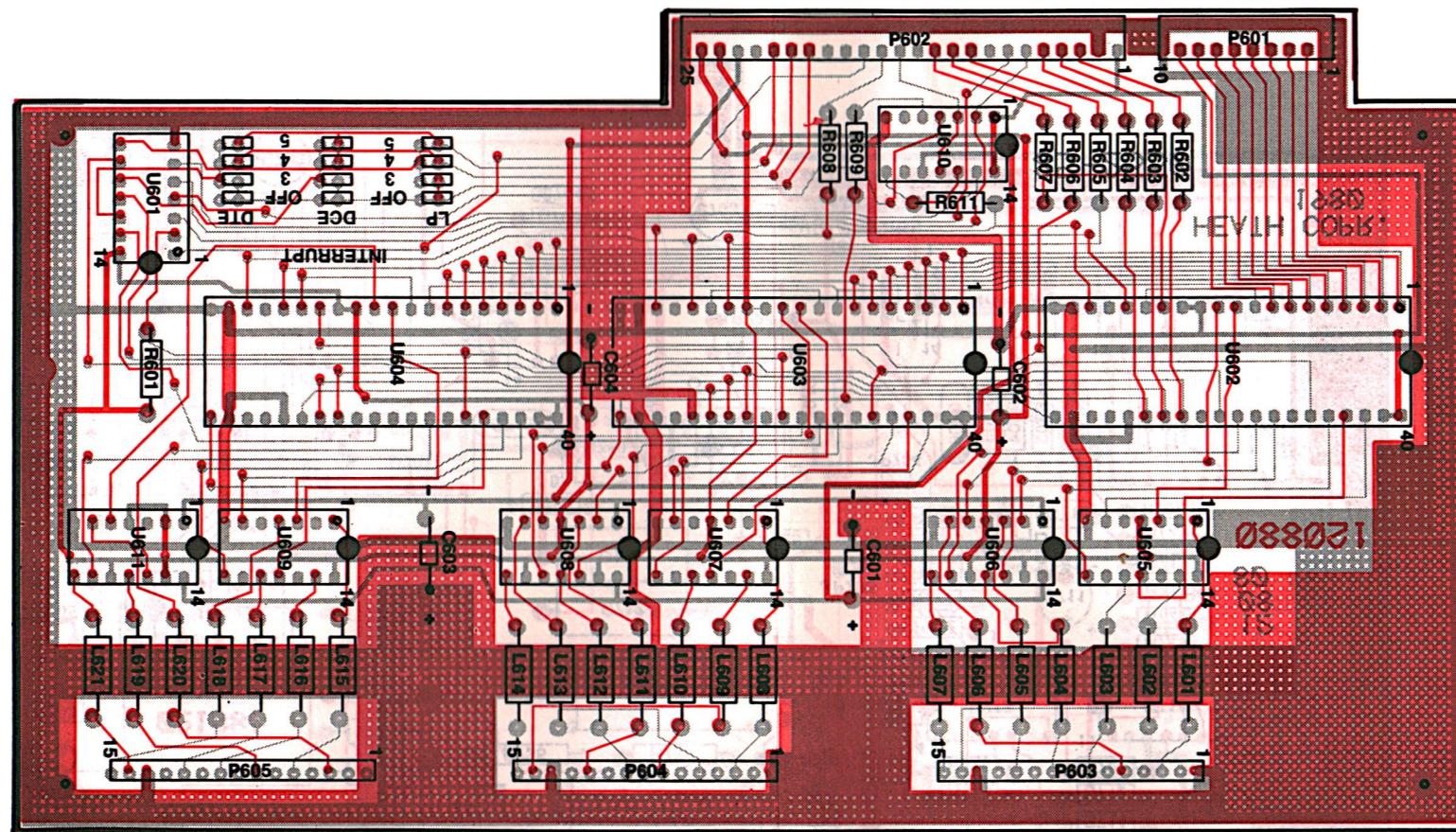


CPU BOARD
(shown from component side)

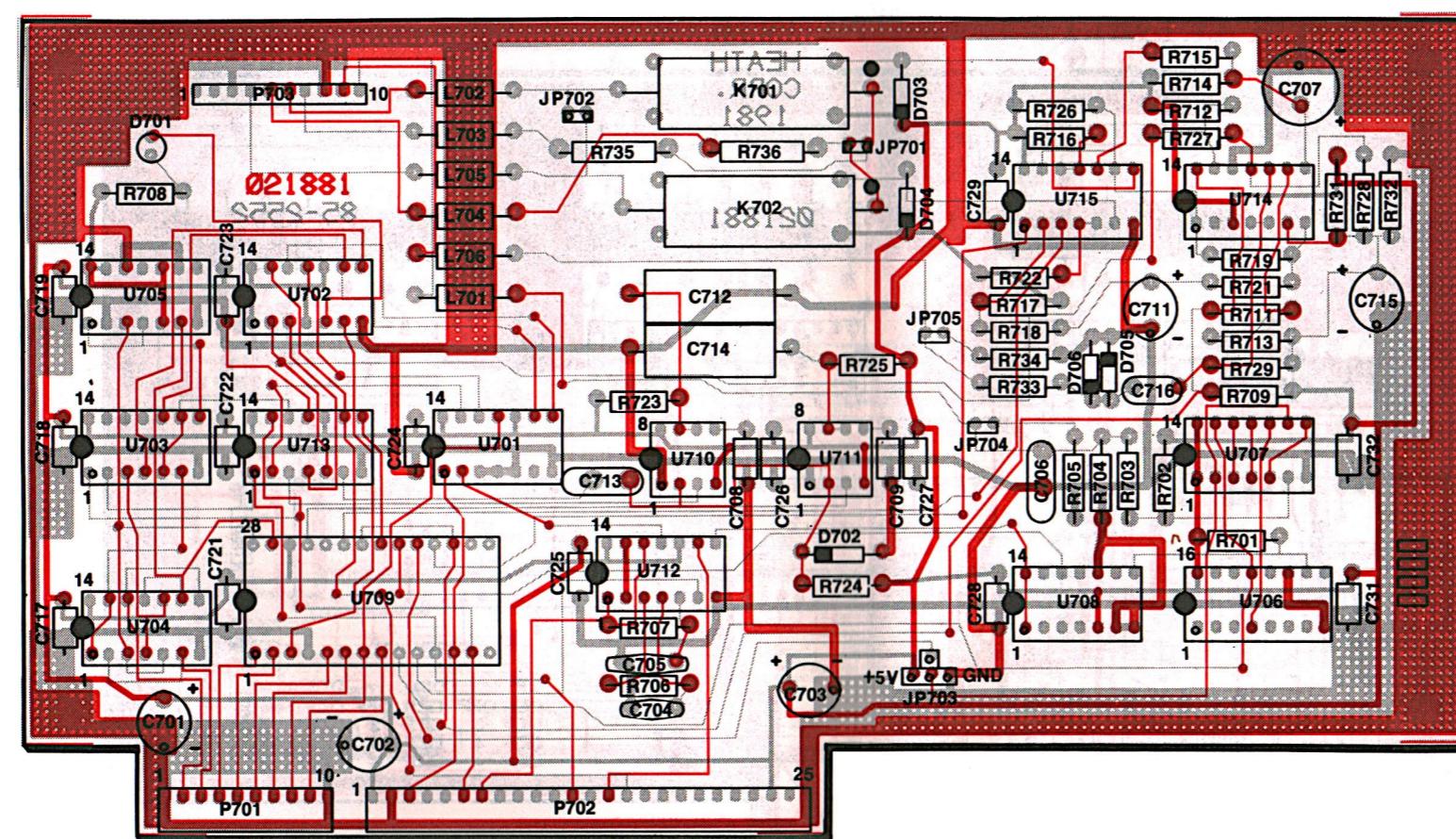


TERMINAL LOGIC CIRCUIT BOARD
(Shown from the component side)





SERIAL INTERFACE CIRCUIT BOARD
(shown from component side)



CASSETTE INTERFACE CIRCUIT BOARD (shown from component side)