



SCHEMATIC OF THE HEATHKIT® MODEL H8 DIGITAL COMPUTER FRONT PANEL BOARD, MOTHERBOARD, AND CHASSIS

NOTES:

- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
1- 99 PARTS ON THE CHASSIS AND MOTHER CIRCUIT BOARD.
100-199 PARTS ON THE CONTROL CIRCUIT BOARD.
200-299 PARTS ON THE CPU CIRCUIT BOARD.
- ALL RESISTORS ARE 1/4-WATT, 5% UNLESS SHOWN OTHERWISE. VALUES ARE SHOWN IN OHMS (K=1000).
- CAPACITOR VALUES ARE IN MICROFARADS UNLESS SHOWN OTHERWISE.
- SYMBOLS:
□ INDICATES A LETTERED CIRCUIT BOARD HOLE.
◁ INDICATES A CONNECTOR SOCKET AND PLUG.
▽ INDICATES CIRCUIT BOARD GROUND.
≡ INDICATES CHASSIS GROUND.
● INDICATES A CHASSIS MOUNTED COMPONENT.
○ INDICATES THE SYSTEM BUS.
- PARTS IN THE SHADED AREA ARE CRITICAL TO CONTINUED SAFETY. REPLACE ONLY WITH THE SAME RATED PART, OR WITH THE HEATH COMPANY PART NUMBER, IF SHOWN.
- ALL WAVEFORMS WERE TAKEN IN THE MONITOR MODE (NO PROGRAM EXECUTION).
- Q111-Q118 ARE LED SEGMENT DRIVERS. THE LETTER NEXT TO THE TRANSISTOR INDICATES WHICH SEGMENT THE TRANSISTOR DRIVES.
- O.C. = OPEN COLLECTOR

Part of 595-2014

Copyright © 1977
Heath Company
All Rights Reserved
Printed in the United States of America