


# SCHEMATIC OF THE HEATHKIT<sup>®</sup> CODE OSCILLATOR MODEL HD-1416

## NOTES:

1. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS OR K OHMS (K=1000).
2. ALL RESISTORS ARE 10% UNLESS MARKED OTHERWISE.
3. ALL CAPACITOR VALUES ARE IN  $\mu$ F UNLESS MARKED OTHERWISE.
4. REFER TO THE "CIRCUIT BOARD X-RAY VIEW" FOR THE PHYSICAL LOCATION OF PARTS.
5.  THIS SYMBOL INDICATES A CIRCUIT BOARD GROUND.
6.  THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH CONTROLS SET TO THE MIDDLE OF THEIR RANGES. ALL MEASUREMENTS TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CIRCUIT BOARD GROUND. VOLTAGES MAY VARY AS MUCH AS  $\pm 20\%$ .
7. ALL MEASUREMENTS TAKEN WITH THE KEY CLOSED.
8.  THIS SYMBOL INDICATES A LETTERED CIRCUIT BOARD CONNECTION POINT.