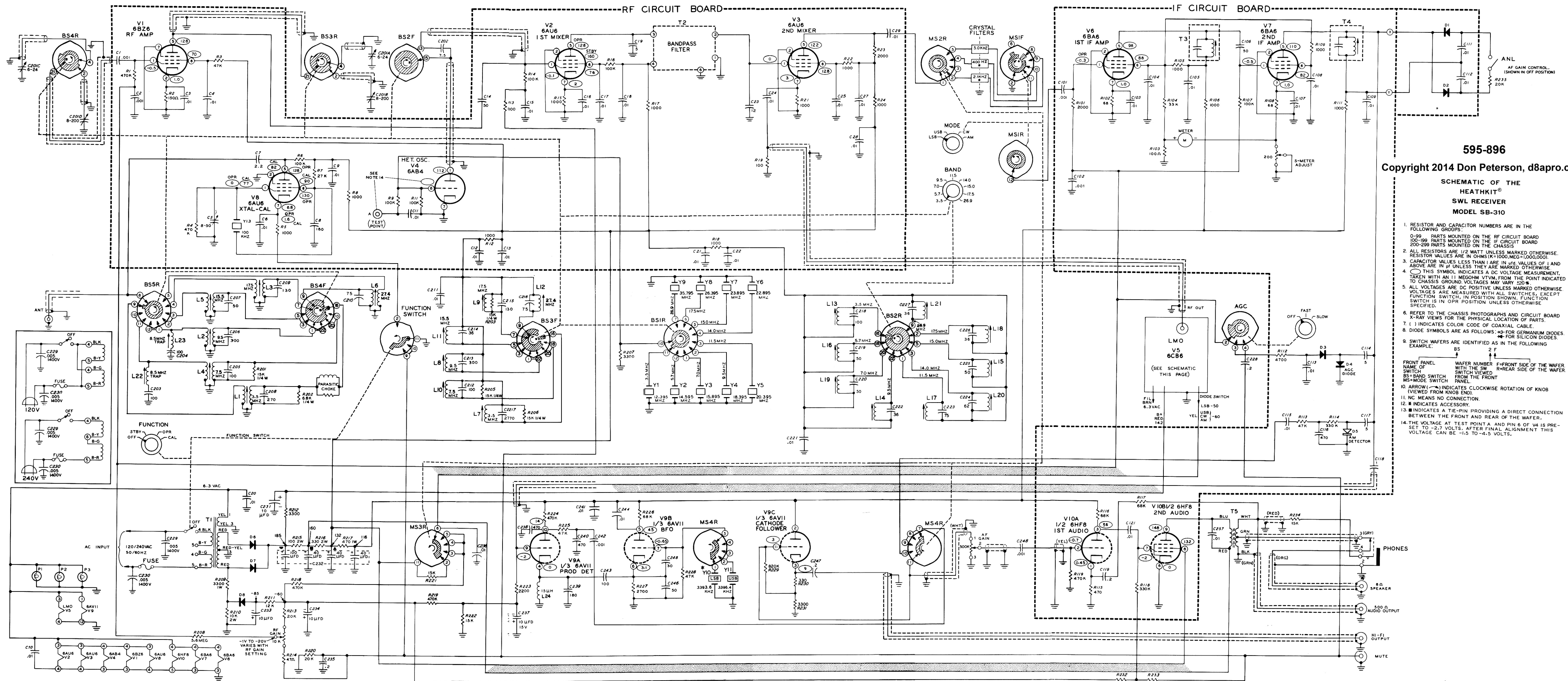




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**SCHEMATIC OF THE
HEATHKIT®
SWL RECEIVER
MODEL SB-310**

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:
0-99 PARTS MOUNTED ON THE RF CIRCUIT BOARD
100-199 PARTS MOUNTED ON THE IF CIRCUIT BOARD
200-299 PARTS MOUNTED ON THE CHASSIS
2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1000, MEG=1,000,000).
3. CAPACITOR VALUES LESS THAN 1 ARE IN μ F. VALUES OF 1 AND ABOVE ARE IN μ F UNLESS THEY ARE MARKED OTHERWISE.
4. THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT, TAKEN WITH AN 11 MEGOHM VTVM, FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY $\pm 50\%$.
5. ALL VOLTAGES ARE DC POSITIVE UNLESS MARKED OTHERWISE. VOLTAGES ARE MEASURED WITH ALL SWITCHES, EXCEPT FUNCTION SWITCH, IN POSITION SHOWN. FUNCTION SWITCH IS IN OPR POSITION UNLESS OTHERWISE SPECIFIED.
6. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
7. () INDICATES COLOR CODE OF COAXIAL CABLE.
8. DIODE SYMBOLS ARE AS FOLLOWS: ∇ FOR GERMANIUM DIODES. $\blacktriangledown$ FOR SILICON DIODES.
EXAMPLE:
BS 2 F
F=FRONT SIDE OF THE WAFER.
R=REAR SIDE OF THE WAFER.
9. SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING:
BS= BAND SWITCH
MS= MODE SWITCH
ARROW () INDICATES CLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).
NC MEANS NO CONNECTION.
* INDICATES ACCESSORY.
■ INDICATES A TIE-PIN PROVIDING A DIRECT CONNECTION BETWEEN THE FRONT AND REAR OF THE WAFER.
14. THE VOLTAGE AT TEST POINT A AND PIN 6 OF V4 IS PRE-SET TO -2.7 VOLTS. AFTER FINAL ALIGNMENT THIS VOLTAGE CAN BE -1.5 TO -4.5 VOLTS.