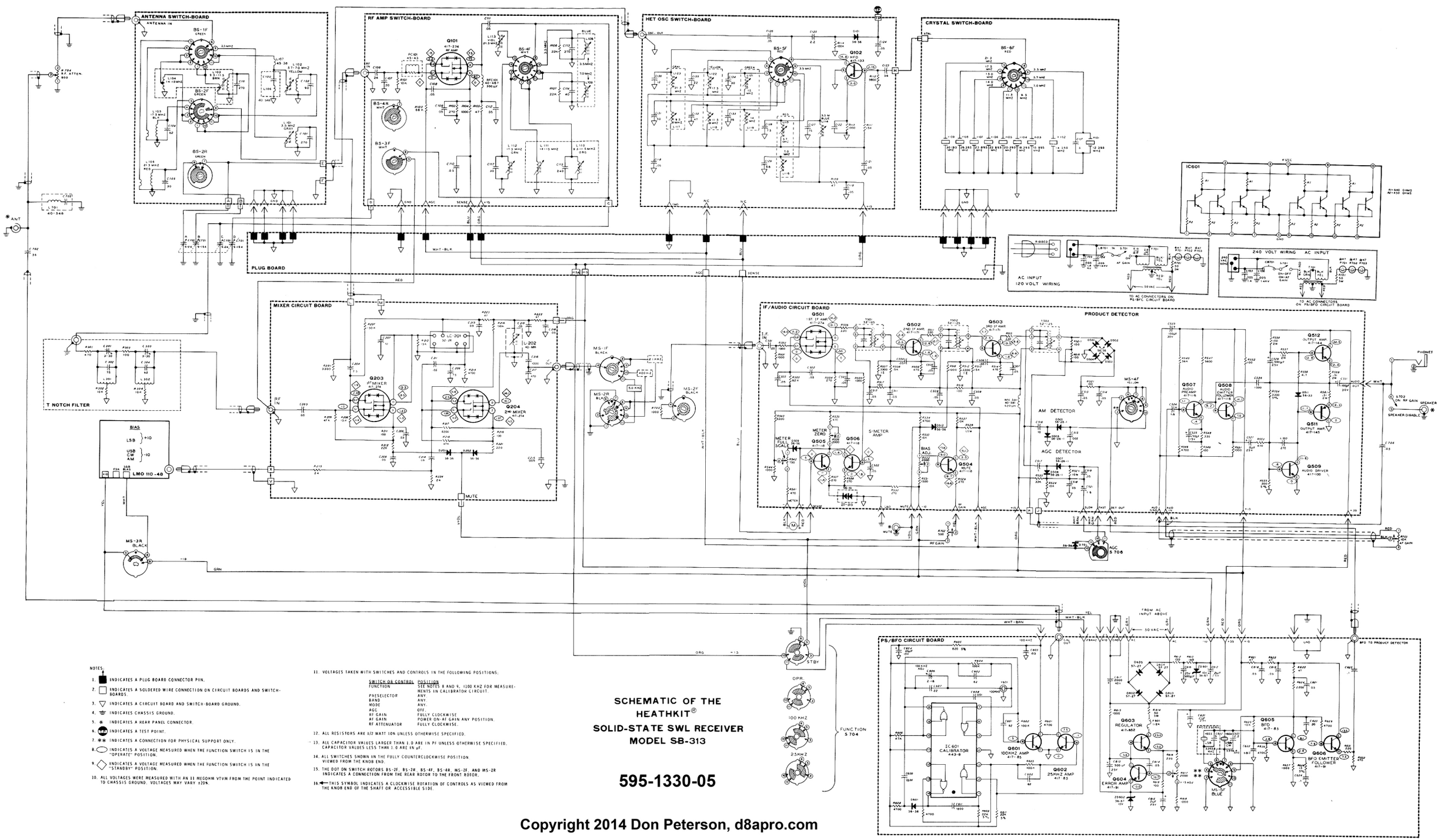

NOTES:

1. ■ INDICATES A PLUG BOARD CONNECTOR PIN.
2. □ INDICATES A SOLDERED WIRE CONNECTION ON CIRCUIT BOARDS AND SWITCH-BOARDS.
3. ▽ INDICATES A CIRCUIT BOARD AND SWITCH-BOARD GROUND.
4. ⏚ INDICATES CHASSIS GROUND.
5. * INDICATES A REAR PANEL CONNECTOR.
6. (TP) INDICATES A TEST POINT.
7. ** INDICATES A CONNECTION FOR PHYSICAL SUPPORT ONLY.
8. ⬭ INDICATES A VOLTAGE MEASURED WHEN THE FUNCTION SWITCH IS IN THE "OPERATE" POSITION.
9. ◇ INDICATES A VOLTAGE MEASURED WHEN THE FUNCTION SWITCH IS IN THE "STANDBY" POSITION.
10. ALL VOLTAGES WERE MEASURED WITH AN EI MEGOHM VTVM FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY ±20%.
11. VOLTAGES TAKEN WITH SWITCHES AND CONTROLS IN THE FOLLOWING POSITIONS:

SWITCH OR CONTROL FUNCTION	POSITION
	SEE NOTES 8 AND 9, 1100 KHZ FOR MEASUREMENTS IN CALIBRATOR CIRCUIT.
PRESELECTOR	ANY.
BAND	ANY.
MODE	ANY.
AGC	OFF.
RF GAIN	FULLY CLOCKWISE
AF GAIN	POWER ON-AF GAIN ANY POSITION.
RF ATTENUATOR	FULLY CLOCKWISE.

12. ALL RESISTORS ARE 1/2 WATT 10% UNLESS OTHERWISE SPECIFIED.
13. ALL CAPACITOR VALUES LARGER THAN 1.0 ARE IN PF UNLESS OTHERWISE SPECIFIED. CAPACITOR VALUES LESS THAN 1.0 ARE IN µF.
14. ALL SWITCHES SHOWN IN THE FULLY COUNTERCLOCKWISE POSITION VIEWED FROM THE KNOB END.
15. THE DOT ON SWITCH ROTORS BS-2F, BS-2R, BS-4F, BS-4R, MS-2F, AND MS-2R INDICATES A CONNECTION FROM THE REAR ROTOR TO THE FRONT ROTOR.
16. ← THIS SYMBOL INDICATES A CLOCKWISE ROTATION OF CONTROLS AS VIEWED FROM THE KNOB END OF THE SHAFT OR ACCESSIBLE SIDE.

SCHEMATIC OF THE HEATHKIT® SOLID-STATE SWL RECEIVER MODEL SB-313

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