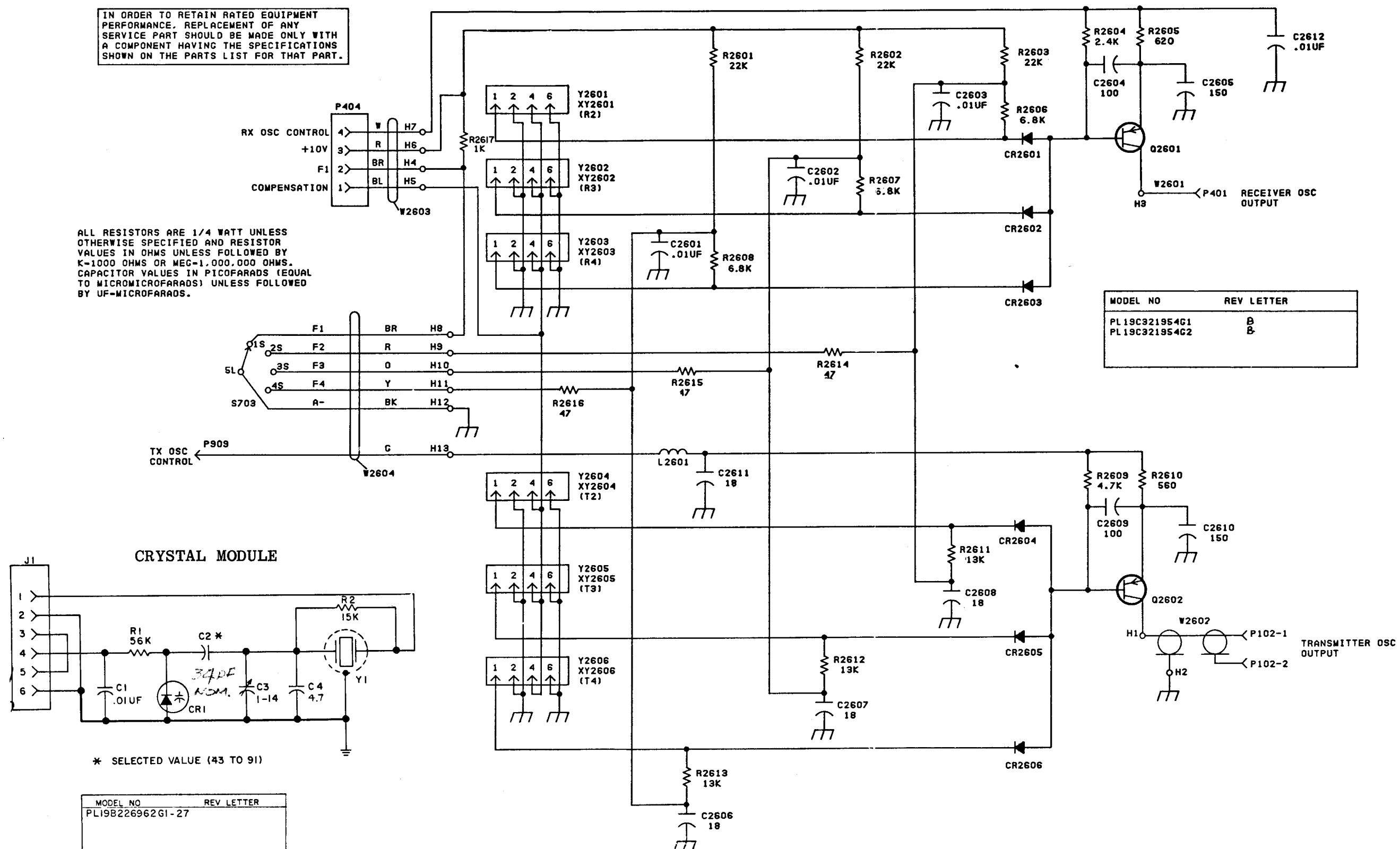


IN ORDER TO RETAIN RATED EQUIPMENT PERFORMANCE, REPLACEMENT OF ANY SERVICE PART SHOULD BE MADE ONLY WITH A COMPONENT HAVING THE SPECIFICATIONS SHOWN ON THE PARTS LIST FOR THAT PART.

ALL RESISTORS ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED AND RESISTOR VALUES IN OHMS UNLESS FOLLOWED BY K-1000 OHMS OR MEG-1,000,000 OHMS. CAPACITOR VALUES IN PICOFARADS (EQUAL TO MICROMICROFARADS) UNLESS FOLLOWED BY UF-MICROFARADS.



(19D423778, Rev. 4)

(19B226951, Rev. 5)

SCHEMATIC DIAGRAMS

CRYSTAL MODULE AND
MULTI-FREQUENCY KIT
19C321954G1 & G2

XXXXXX

LBI-30180E

PARTS LIST

LBI30180E
MULTI-FREQUENCY BOARD
19C321954G1 HIGH BAND/LOW BAND
19C321954G2 UHF BAND

SYMBOL	GE PART NO.	DESCRIPTION
C2601 thru C2603	19A700234P7	----- CAPACITORS ----- Polyester: 0.01 uF $\pm$ 10%, 50 VDCW.
C2604	19A701624P632	Ceramic disc: 100 pF $\pm$ 5%, 500 VDCW, temp coef -750 PPM.
C2605	19A700105P38	Mica: 150 pF $\pm$ 5%, 500 VDCW.
C2606* thru C2608*	19A701624P14	Ceramic disc: 18 pF $\pm$ 5%, 500 VDCW, temp coef 0 PPM. In REV A & earlier: 7489162P9 Silver mica: 18 pF $\pm$ 5%, 500 VDCW; sim to Electro Motive Type DM-15.
C2609	19A701624P632	Ceramic disc: 100 pF $\pm$ 5%, 500 VDCW, temp coef -750 PPM.
C2610	19A700105P38	Mica: 150 pF $\pm$ 5%, 500 VDCW.
C2611*	19A701624P14	Ceramic disc: 18 pF $\pm$ 5%, 500 VDCW, temp coef 0 PPM. In REV A & earlier: 7489162P9 Silver mica: 18 pF $\pm$ 5%, 500 VDCW; sim to Electro Motive Type DM-15.
C2612	19A700234P7	Polyester: 0.01 uF $\pm$ 10%, 50 VDCW.
CR2601 thru CR2606	19A116925P4	----- DIODES AND RECTIFIERS ----- Silicon, pin: 50 volt Reverse Breakdown, 400 mW.
L2601	19A129773G3	----- INDUCTORS ----- Coil.
P102	19A127042P2	----- PLUGS ----- Solderless terminal: 20-24 AWG; sim to Malco 120-93-10. (Part of W2603A, W2602B).
P401	19A127042P2	Solderless terminal: 20-24 AWG; sim to Malco 120-93-10. (Part of W2601).
P404	19A116859P84	Connector, printed wiring: 4 contacts; sim to Molex 09-50-7041. (Part of W2603).
P909		(Part of W2604).
Q2601 and Q2602	19A115852P1	----- TRANSISTORS ----- Silicon, PNP; sim to Type 2N3906.
R2601 thru R2603	19A700106P95	----- RESISTORS ----- Composition: 22K ohms $\pm$ 5%, 1/4 w.
R2604*	3R152P242J	Composition: 2.4K ohms $\pm$ 5%, 1/4 w. Earlier than REV A:
	3R152P472J	Composition: 4.7K ohms $\pm$ 5%, 1/4 w.
R2605*	3R152P621J	Composition: 620 ohms $\pm$ 5%, 1/4 w.
	3R152P681J	Earlier than REV A: Composition: 680 ohms $\pm$ 5%, 1/4 w.

SYMBOL	GE PART NO.	DESCRIPTION
R2606* thru R2608*	19A700106P83	Composition: 6.8K ohms $\pm$ 5%, 1/4 w. Earlier than REV A:
	3R152P133J	Composition: 13K ohms $\pm$ 5%, 1/4 w.
R2609	19A700106P79	Composition: 4.7K ohms $\pm$ 5%, 1/4 w.
R2610	19A700106P57	Composition: 560 ohms $\pm$ 5%, 1/4 w.
R2611 thru R2613	3R152P133J	Composition: 13K ohms $\pm$ 5%, 1/4 w.
R2614 thru R2614	19A700106P31	Composition: 47 ohms $\pm$ 5%, 1/4 w.
R2617	19A700106P63	Composition: 1K ohms $\pm$ 5%, 1/4 w.
S703		----- SWITCHES ----- (Part of W2604).
W2601	19A129947G2	----- CABLES ----- Single conductor: approx 3 inches long. (Includes P401).
W2602A	19A130744G5	2 Conductor: approx 7 inches long. (Includes P102).
W2602B	19A130744G1	2 Conductor: approx 5 inches long. (Includes P102).
W2603	19B226965G3	2 Conductor: approx 5.5 inches long. (Includes P404).
W2604		CABLE ASSEMBLY 19B227315G1
P909	19A127042P2	----- PLUGS ----- Solderless terminal: 20-24 AWG; sim to Malco 120-93-10.
S703	5495454P45	----- SWITCHES ----- Rotary: 1 section, 1 pole, 2-4 positions with adjustable stop, non-shorting contacts, 2 amps at 25 VDC or 1 amp at 110 VAC; sim to Oak Type **A**.
XY2601 thru XY2606	19A130958G1	----- SOCKETS ----- Connector, printed wiring: 6 conducts; sim to Molex 09-65-1061.
	19B201074P304	----- MISCELLANEOUS ----- Tap screw, Phillips POZIDRIV®: No. 6-32 x 1/4.
	N80P13020C6	Screw, panhead: No. 6-32 x 1-1/4.
	7165075P4	Hex nut, brass: thd. size No. 3/8-32.
	N404P13C6	Lockwasher, internal tooth: No. 6.
	19B227473G1	Support.
	7878455P2	Solderless terminal.
	19B209591P1	Knob, push-on. (S703).

PRODUCTION CHANGES

Changes in the equipment to improve performance or to simplify circuits are identified by a "Revision Letter," which is stamped after the model number of the unit. The revision stamped on the unit includes all previous revisions. Refer to the Parts List for descriptions of parts affected by these revisions.

REV. A - To improve operation. Changed R2604 through R2608.

REV. B - To incorporate new capacitors. Changed C2606-C2608 and C2611.

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*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.