

DESCRIPTION ANTENNA COMBINER FOR 700MHZ & 800MHZ

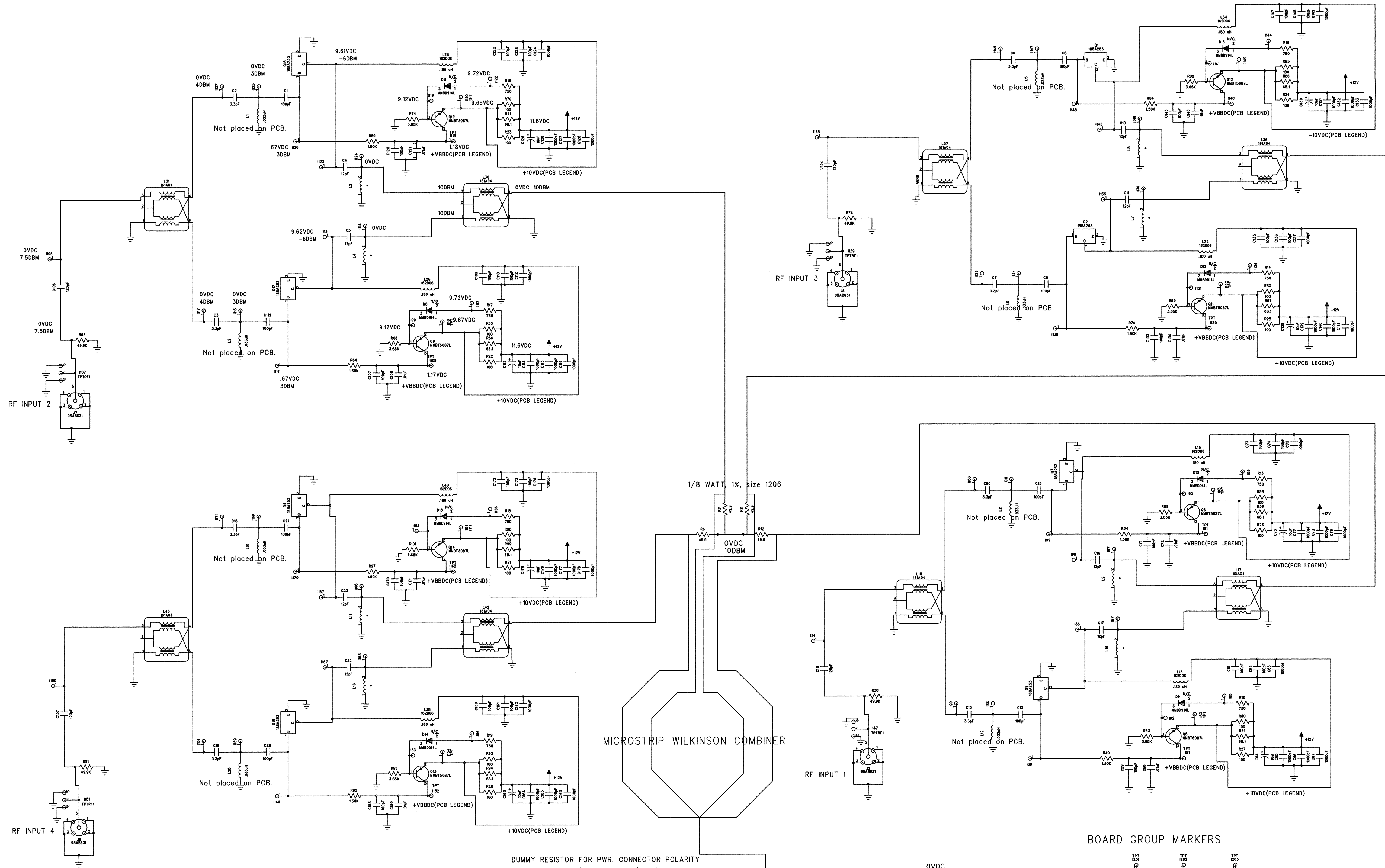
DRWG. NO. 90-8802B-11
SHEET NO. 1 OF 1 SHEETS

ORIG. ISSUED

RECORD OF CHANGES MADE

1 PRODUCTION RELEASE

2 ECO 81541: ADDED CHANGES FOR 90B8802. L3,4,7,8,9,10,14,16 are now frequency dependent.
KJM 3/11/79 Cgr



NOTES:
ALL DCV'S AND RF PWR. MEASUREMENTS ARE SIMILAR FOR ALL 4 INPUTS.
ALL DCV'S TAKEN WITH NO RF INPUTS.
RF PWR.(DBM) MEASUREMENTS TAKEN WITH +10DBM INPUT FROM RF GEN.
RF FREQUENCY USED FOR PWR. MEASUREMENTS WAS 835MHZ.
RF PWR. MEASUREMENTS CAN VARY +/- 3 DBM.
RF PWR. MEAS. TAKEN WITH PM8943 PHILIPS FET PROBE AND USED LOCAL GND.
FET PROBE SETTINGS, DC COUPLED, INTO 50 OHMS.

- NOTES:
- All resistors 1/10 Watt, 1%, 0805 unless otherwise specified.
 - Electrolytic capacitors shown in uF x Volts. All non-polar capacitors in uF, tolerance 10% and 100V or more unless otherwise specified.
 - The following symbols denote:

⎓ A.C. Voltage
⎓ D.C. Voltage
⎓ P.C. ground
⎓ Case ground

NOTE: X,Y SCALE CORRESPONDES TO THE X,Y COORDINATES IN SCHEMATIC CAPTURE.

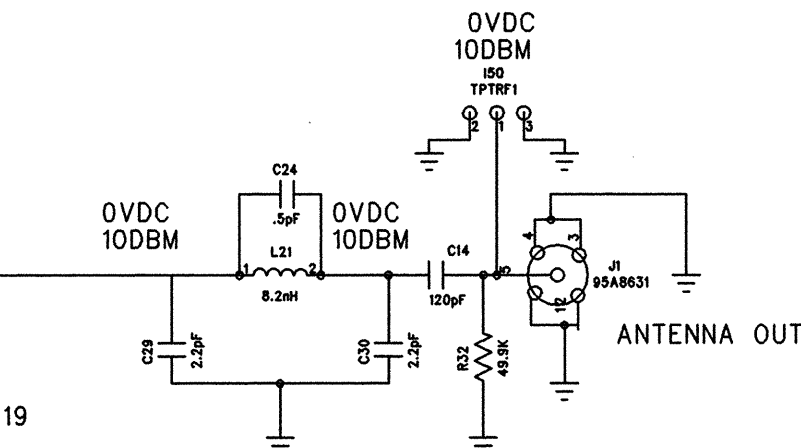
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DUMMY RESISTOR FOR PWR. CONNECTOR POLARITY
1/8 WATT, 1%, size 1206

1 WATT, 5%, size 2512

1 WATT, 5%, size 2512

J6 IS CONNECTED TO SWITCHING PWR. SUPPLY (95A8603).
SWITCHING POWER SUPPLY (95A8603) IS CONNECTED TO FILTERED AC INLET.
SWITCHING PWR. SUPPLY AND FILTERED AC INLET NOT SHOWN.



BOARD GROUP MARKERS

*L3, L4, L7, L8, L9, L10, L14, L16
CHANGE BY BOARD GROUP ACCORDING TO THE FOLLOWING TABLE

Part Number	Value	Group
90A8802	162V10	6.8nH
90B8802	162C10	8.2nH
90A8802	R200	145B1000 100 ohms (Group A marker)
90B8802	R201	145B1000 100 ohms (Group B marker)

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SHURE BROTHERS INC.

222 HARTREY AVE.
EVANSTON, IL 60202
PHONE 708-866-2200

Microphones - Electronic Components

DRAWN/CHKD MARK PODRAZA

APPROVED KEVIN MIKES

APPROVED Cgr 3/11/79