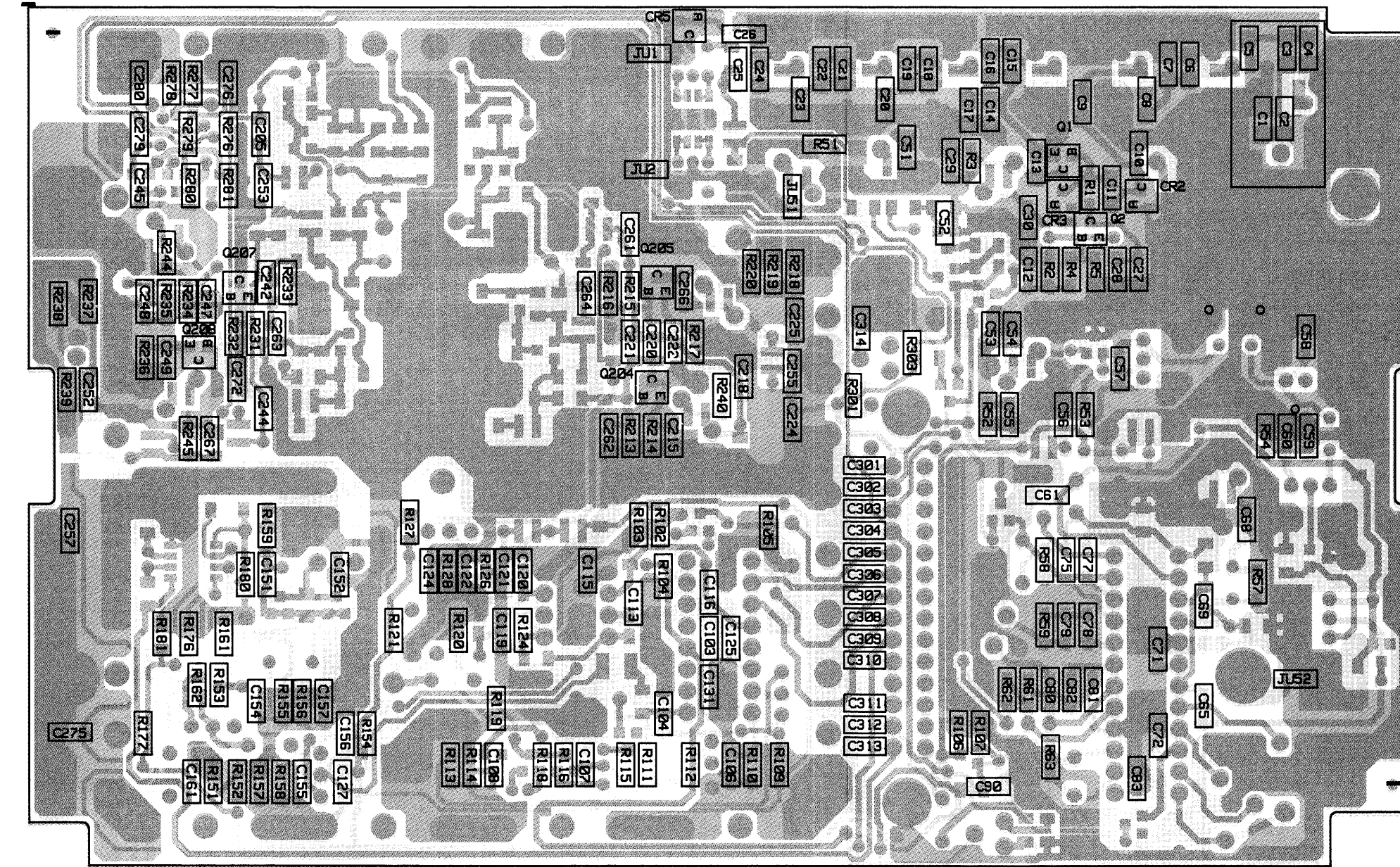


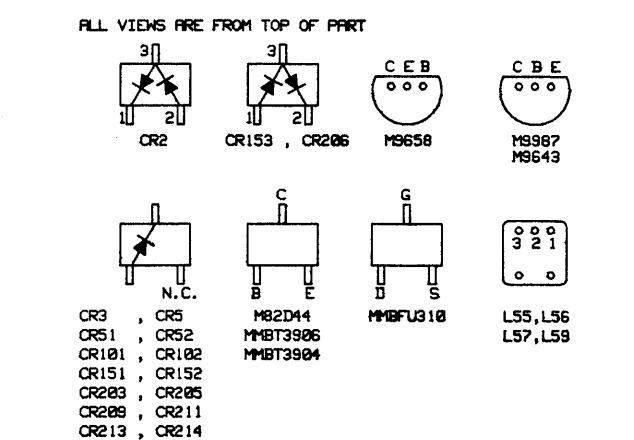
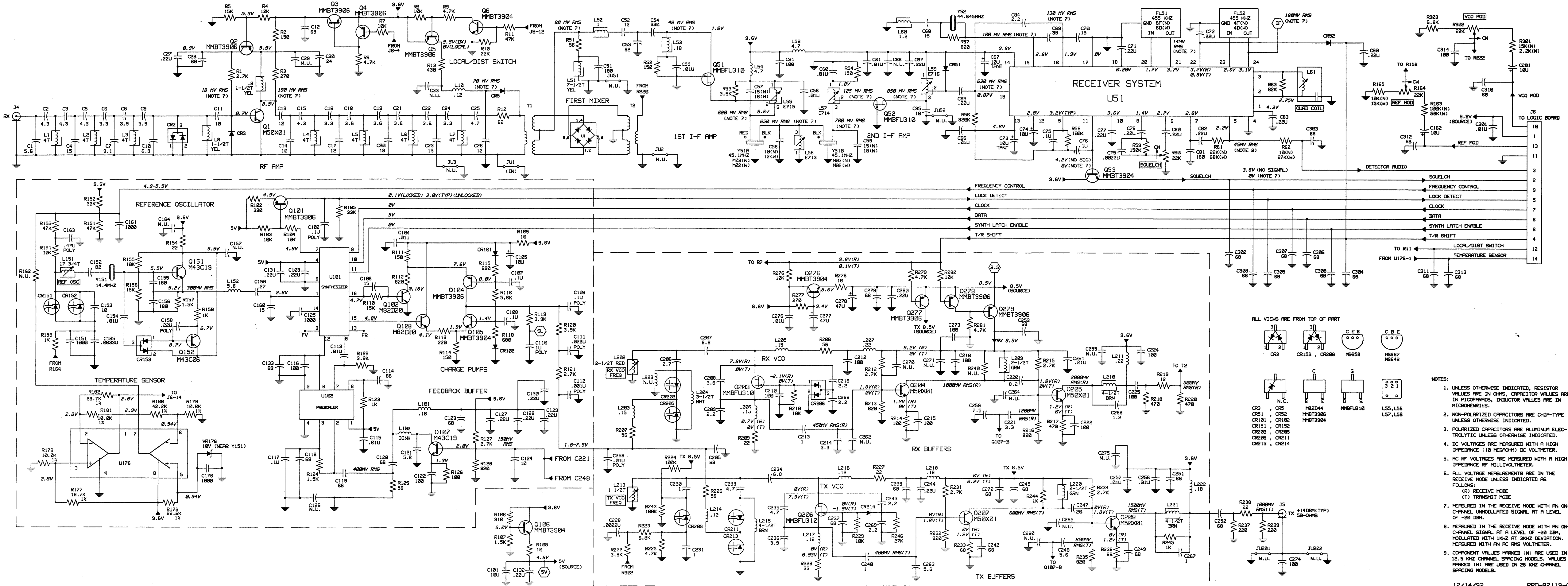
COMPONENT SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----



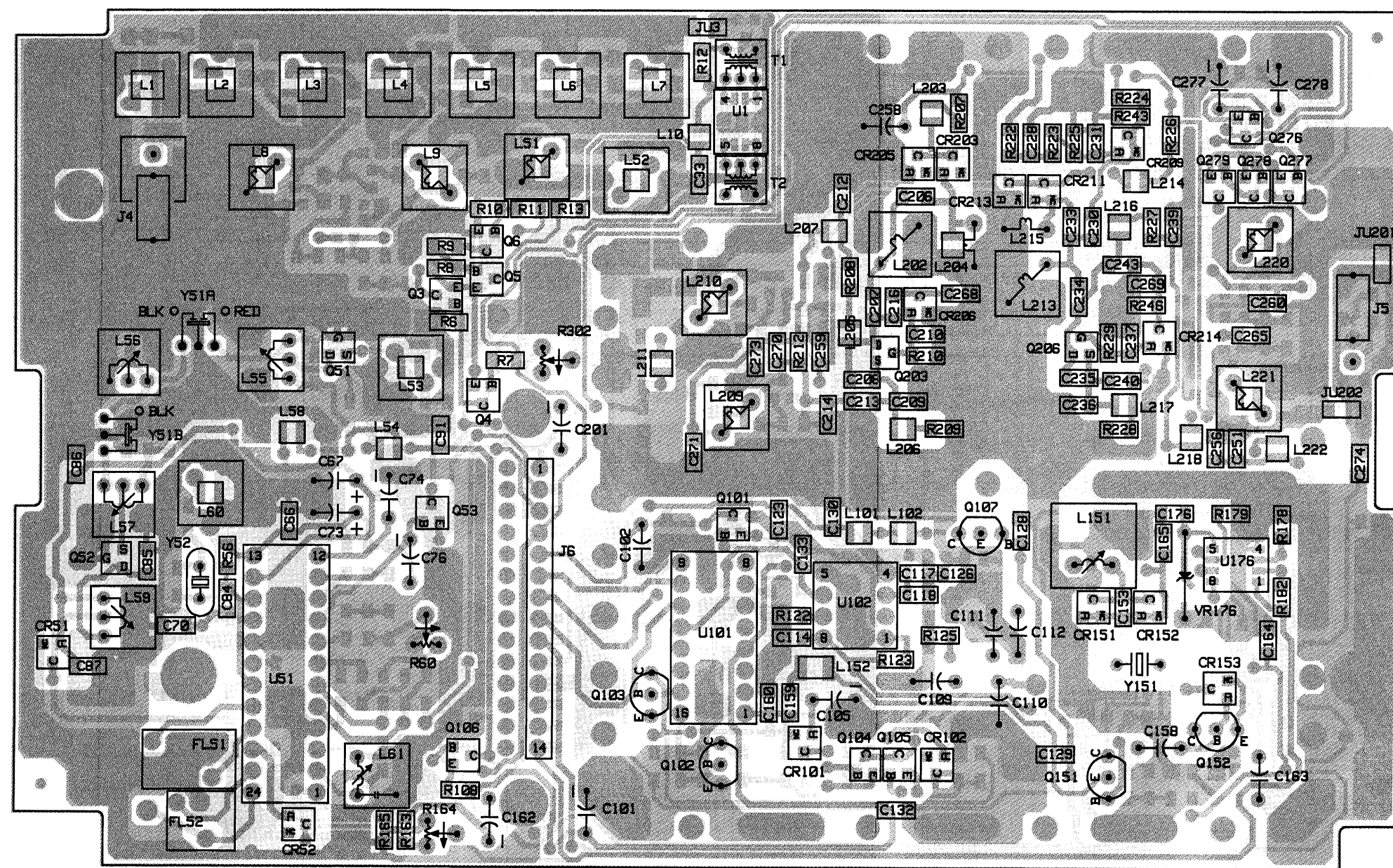
SOLDER SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----



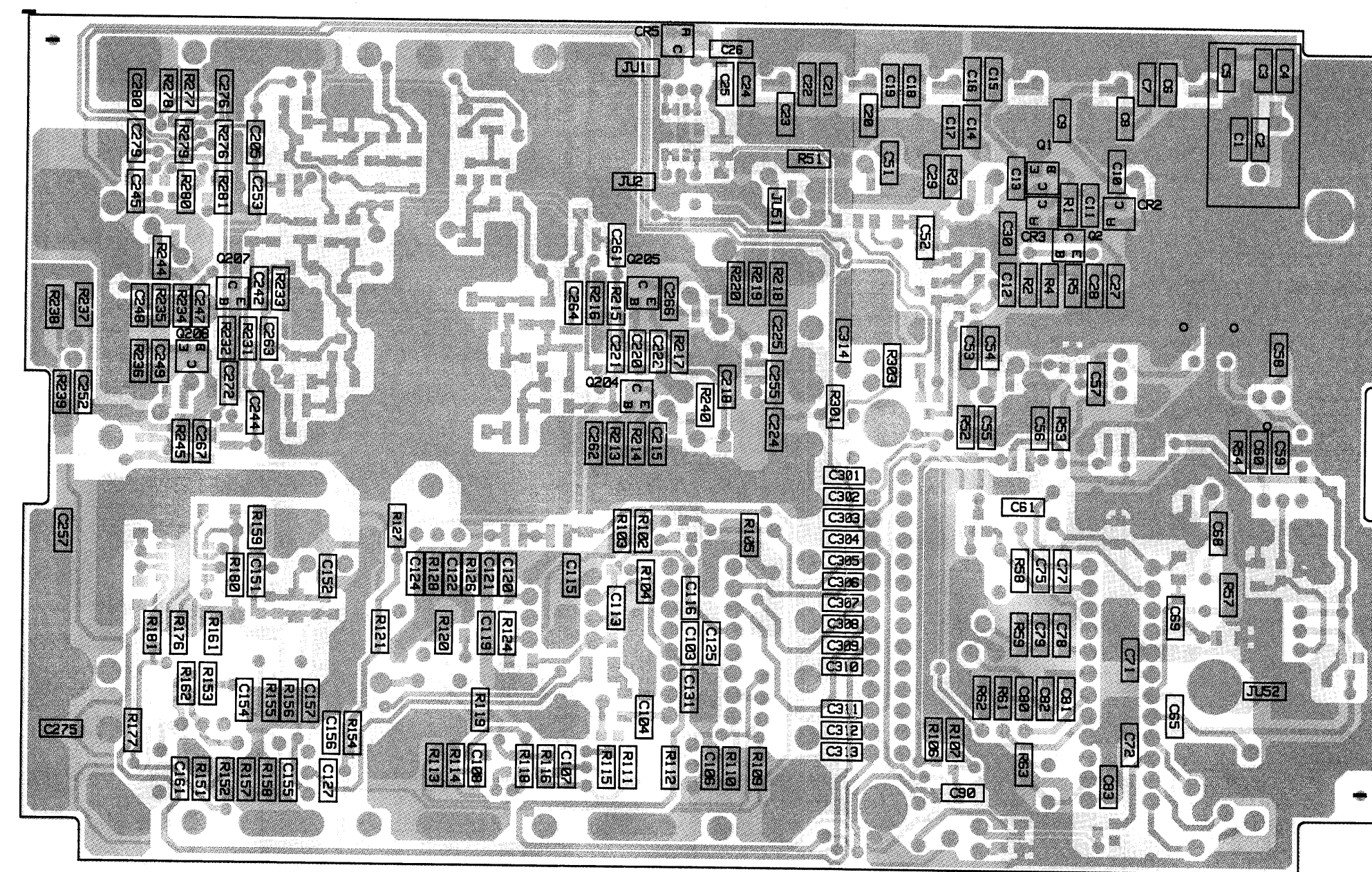
- NOTES:
1. UNLESS OTHERWISE INDICATED, RESISTOR VALUES ARE IN OHMS, CAPACITOR VALUES ARE IN PICOFARADS, INDUCTOR VALUES ARE IN MICROHENRIES.
 2. NON-POLARIZED CAPACITORS ARE CHIP-TYPE UNLESS OTHERWISE INDICATED.
 3. POLARIZED CAPACITORS ARE ALUMINUM ELECTROLYTIC UNLESS OTHERWISE INDICATED.
 4. DC VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE (10 MEGOHM) DC VOLTMETER.
 5. AC RF VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE RF MILLIVOLTMETER.
 6. ALL VOLTAGE MEASUREMENTS ARE IN THE RECEIVE MODE UNLESS INDICATED AS FOLLOWS: (R) RECEIVE MODE (T) TRANSMIT MODE
 7. MEASURED IN THE RECEIVE MODE WITH AN ON-CHANNEL UNMODULATED SIGNAL AT A LEVEL OF -20 DBM.
 8. MEASURED IN THE RECEIVE MODE WITH AN ON-CHANNEL SIGNAL AT A LEVEL OF -20 DBM, MODULATED WITH 1KHZ AT 30KHZ DEVIATION, MEASURED WITH AN AC RMS VOLTMETER.
 9. COMPONENT VALUES MARKED (N) ARE USED IN 12.5 KHZ CHANNEL SPACING MODELS, VALUES MARKED (H) ARE USED IN 25 KHZ CHANNEL SPACING MODELS.

Schematic Diagram for HLE8300A and HLE8301A UHF RF Boards, 438-470 MHz



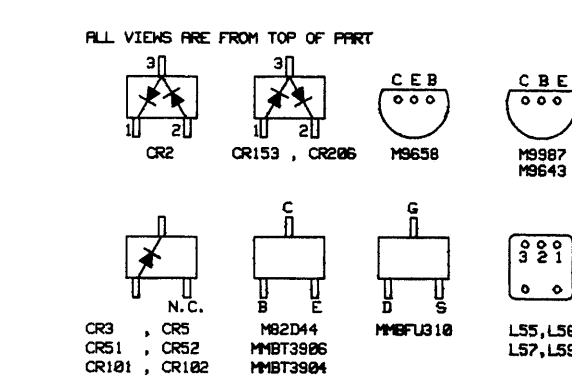
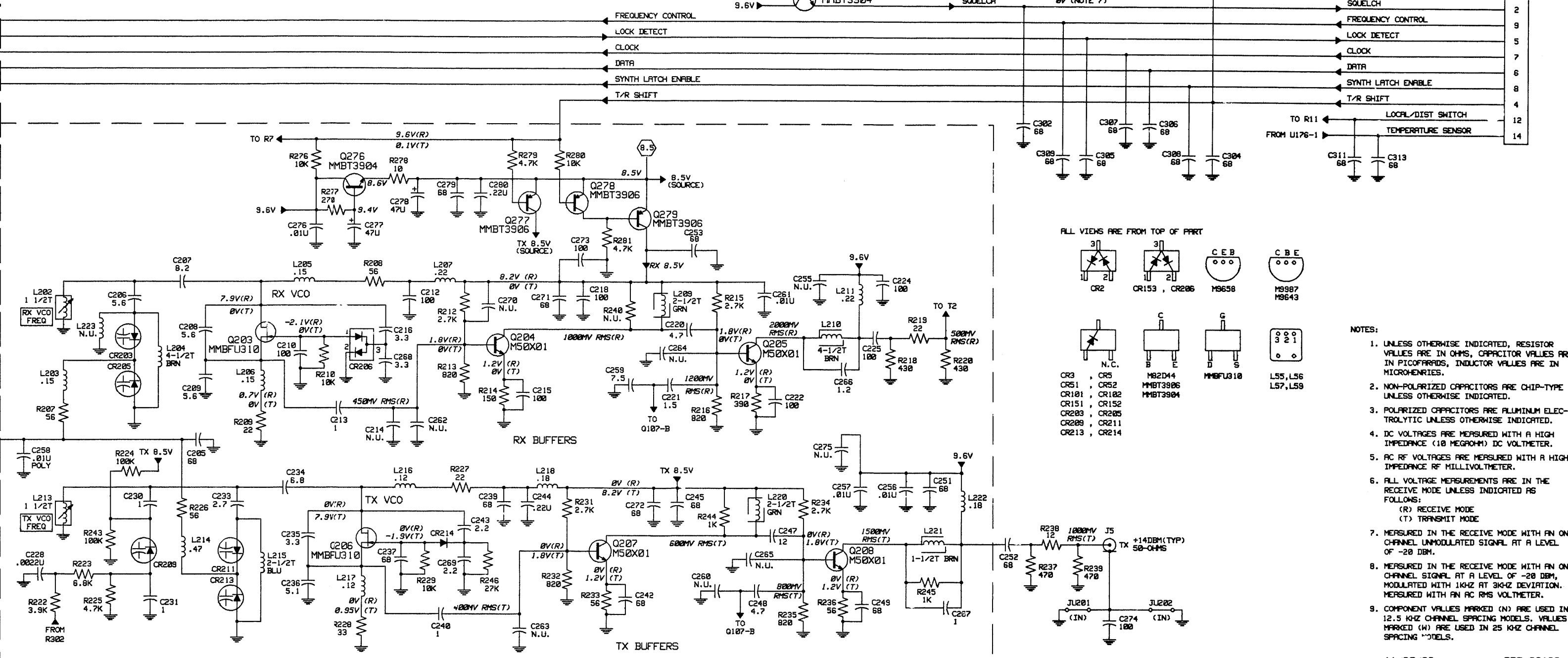
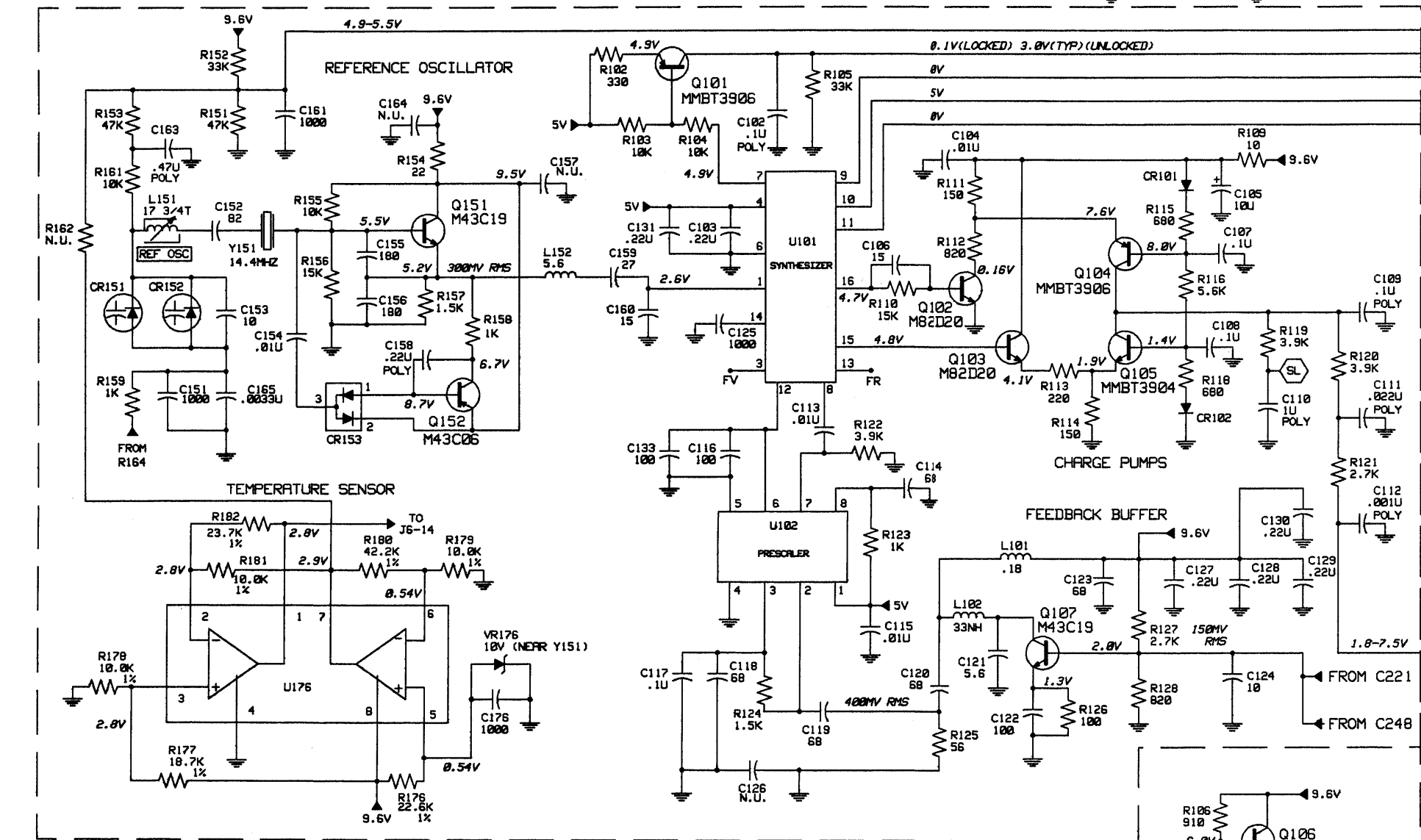
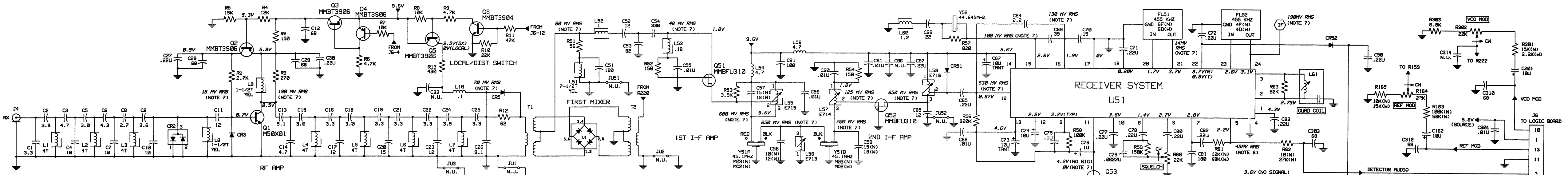
COMPONENT SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----



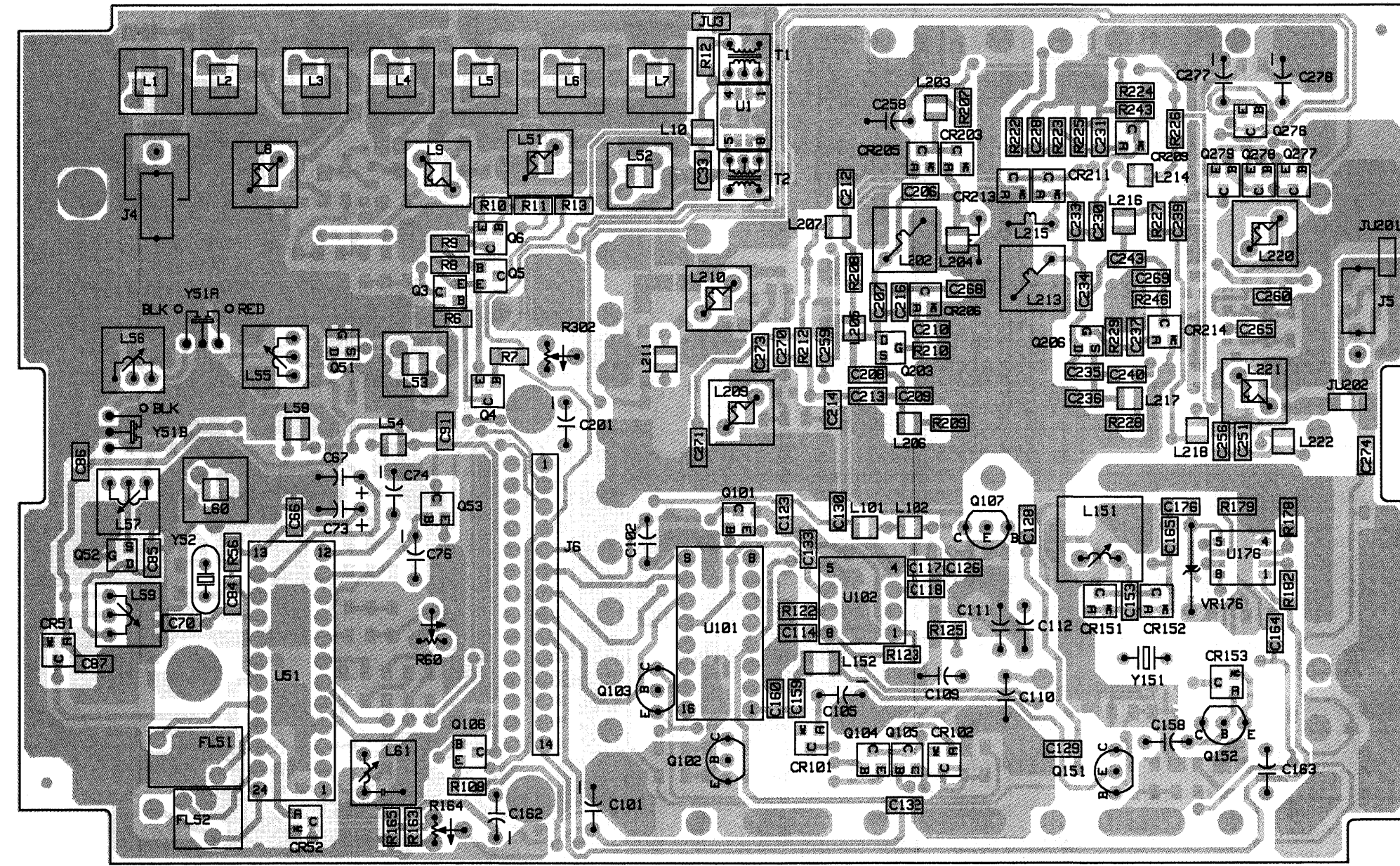
SOLDER SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----



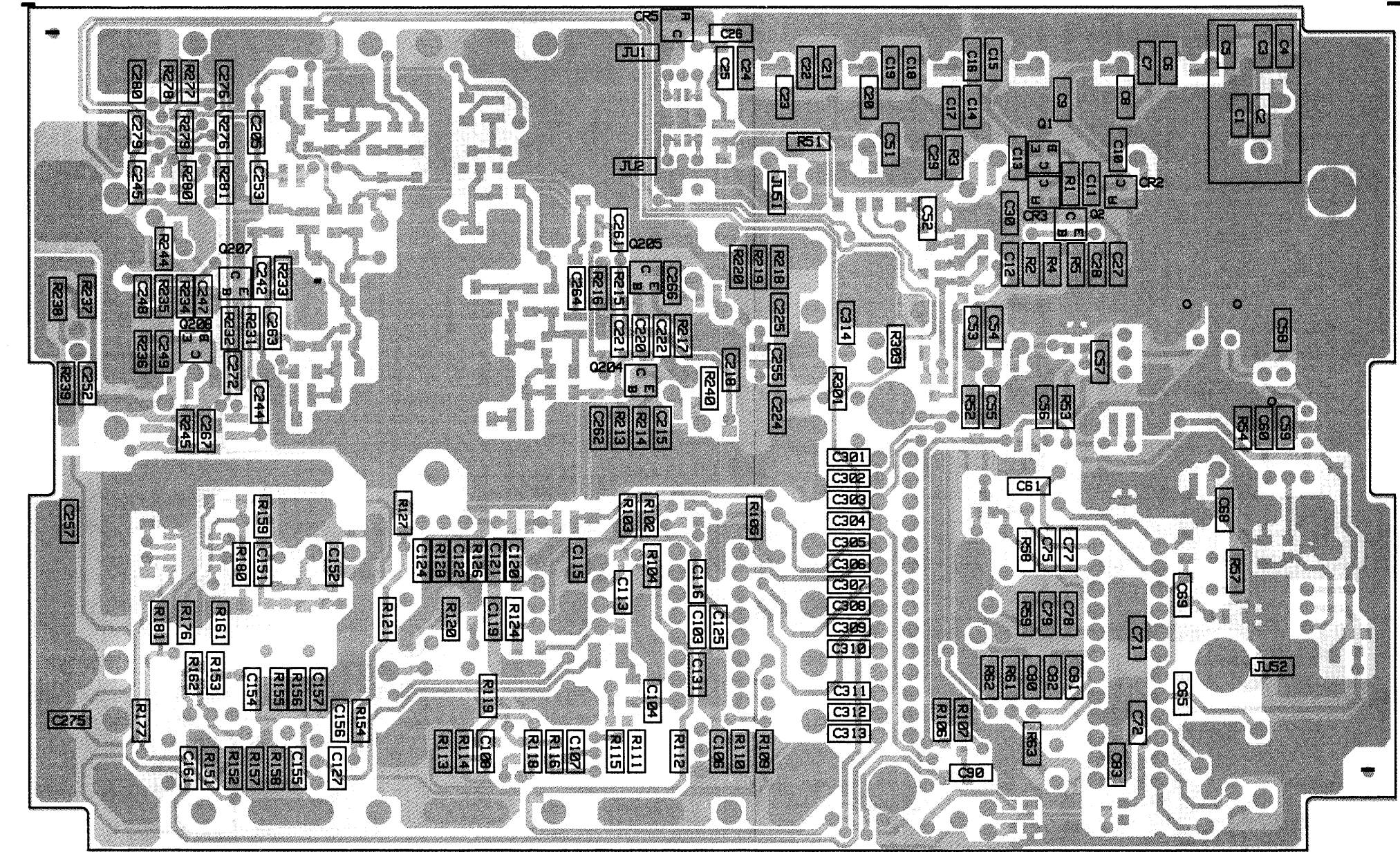
- NOTES:
- UNLESS OTHERWISE INDICATED, RESISTOR VALUES ARE IN OHMS, CAPACITOR VALUES ARE IN PICOFARADS, INDUCTOR VALUES ARE IN MICROHENRIES.
 - NON-POLARIZED CAPACITORS ARE CHIP-TYPE UNLESS OTHERWISE INDICATED.
 - POLARIZED CAPACITORS ARE ALUMINUM ELECTROLYTIC UNLESS OTHERWISE INDICATED.
 - DC VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE (10 MEGOHM) DC VOLTMETER.
 - AC RF VOLTAGES ARE MEASURED WITH A HIGH IMPEDANCE RF MILLIVOLTMETER.
 - ALL VOLTAGE MEASUREMENTS ARE IN THE RECEIVE MODE UNLESS INDICATED AS FOLLOWS:
(R) RECEIVE MODE
(T) TRANSMIT MODE
 - MEASURED IN THE RECEIVE MODE WITH AN ON-CHANNEL UNMODULATED SIGNAL AT A LEVEL OF -20 DBM.
 - MEASURED IN THE RECEIVE MODE WITH AN ON-CHANNEL SIGNAL AT A LEVEL OF -20 DBM, MODULATED WITH 1KHZ AT 30% DEVIATION. MEASURED WITH AN AC RMS VOLTMETER.
 - COMPONENT VALUES MARKED (N) ARE USED IN 12.5 KHZ CHANNEL SPACING MODELS. VALUES MARKED (M) ARE USED IN 25 KHZ CHANNEL SPACING MODELS.

Schematic Diagram for HLE8263A and HLE8264A UHF RF Boards, 465-490 MHz



COMPONENT SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----



SOLDER SIDE

COMPONENT SIDE (Gray)
 SOLDER SIDE (Pink)
 OVERLAY -----