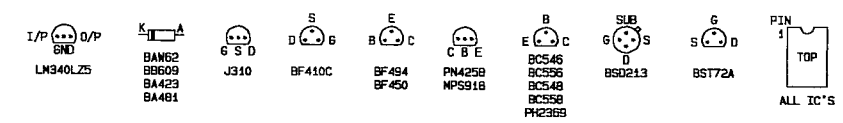


**MEASUREMENT NOTES:**

- ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS. SOME VOLTAGES WILL VARY WITH CHANNEL FREQUENCY.
- DC VOLTAGES MEASURED WITH 20Kohm/V METER UNDER NO SIGNAL CONDITIONS.
  - 3.4 RECEIVE AND TRANSMIT MODES.
  - 0 RECEIVE MODE.
  - 3.4 TRANSMIT MODE.
- AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10Mohm AND 12pF OR LOWER, IN THE SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE:
  - 650mV Tx TRANSMIT VOLTAGES IN PEAK - PEAK UNITS, WITH A SINGLE TONE APPROX. 10dB OF COMPRESSION IN THE MICROPHONE AMP. A TWO TONE SOURCE WILL GIVE THE SAME PEAK - PEAK MEASUREMENTS.
  - 250uV Rx RECEIVE VOLTAGES EXPRESSED AS EMF FROM A 500Hz SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AGC VOLTAGE AT TP1 ON THE AUDIO AND 1650 I.F. PCB TO DECREASE BY 500mV FROM ITS NO SIGNAL VALUE IN THE RECEIVE MODE.
  - 140mV VOLTAGES IN PEAK - PEAK UNITS IN THE RECEIVE AND TRANSMIT MODES.



ALL DEVICES VIEWED FROM BASE, UNLESS SHOWN OTHERWISE.

- NOTES:**
- ALL DIODES ARE BAW22, OR EQUIVALENT UNLESS OTHERWISE STATED.
  - ALL UNMARKED INDUCTORS ARE FERRITE BEADS.
  - DELETE R76 FOR B528S.
  - COMPONENTS NOT PRESENT:
    - C82
    - D42 - D45, D51 - D55
    - IC5 - IC8
  - DENOTES 2% RESISTOR.

PCB 07-01759  
ASSY 08-05295-001

SCALE: 1:1  
DATE: 11-2-96  
DRAWN: N/A  
APPD: M/S  
TOLERANCES: UNLESS OTHERWISE STATED  
2 PLACES DEC. #  
RACES DEC. #  
ANGULAR ±

CODAN  
RF MIXER & DUAL SYNTHESISER PCB  
04-03120  
ISS: A1

PCB FILE: 03120\_1

DATE: 11-2-96  
DRAWN: N/A  
APPD: M/S  
TOLERANCES: UNLESS OTHERWISE STATED  
2 PLACES DEC. #  
RACES DEC. #  
ANGULAR ±

ISS: A1

SHEET 1 OF 1

ISSUE CHANGE  
ISSUE 1:  
CR 28020  
WERE 270K  
8-5-87 MJS