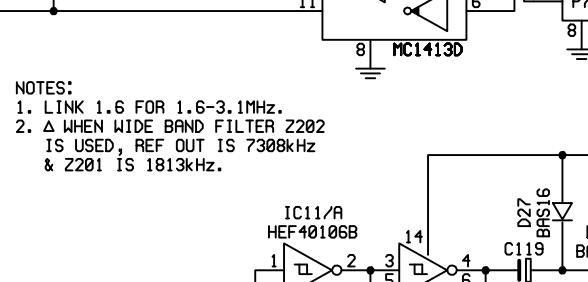
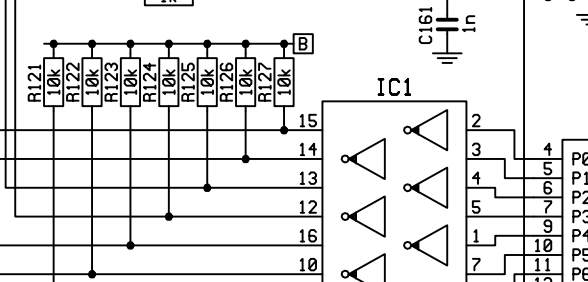
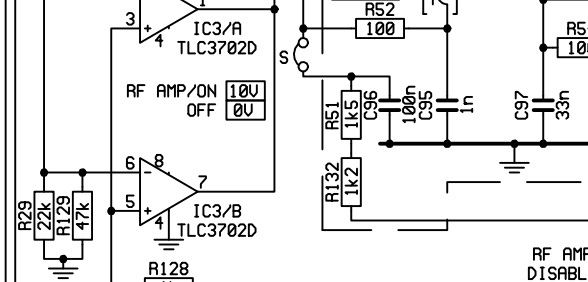
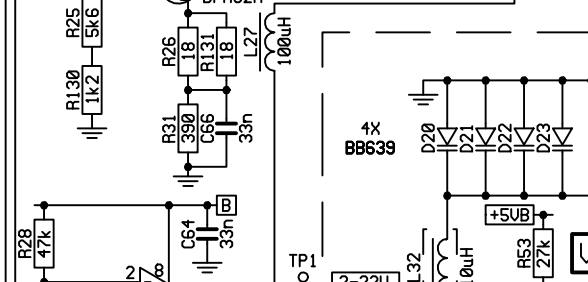
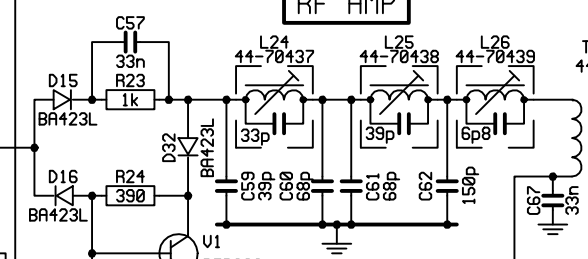
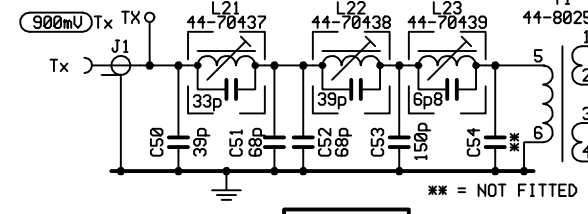


ALL DEVICES ARE TOP VIEW UNLESS OTHERWISE STATED

- BSS83
- BF989
- BC848
- BC858
- BC846
- BC856
- BFR92A
- BFT92
- BST82
- BF556B
- NC
- BZX84C
- H5MP-3814
- BB135
- BB639
- PIN 1
- ALL SMT IC'S
- ALL LEADED IC'S



NOTES:  
 1. LINK 1.6 FOR 1.6-3.1MHz.  
 2. Δ WHEN WIDE BAND FILTER Z202 IS USED, REF OUT IS 7300kHz & Z201 IS 1813kHz.

\* Rx (250uV)  
 THIS RECEIVER TEST IS AT 45MHz & HAS A 10k RESISTOR IN SERIES WITH THE 50ohm SOURCE & CAPACITOR.

455IF-A  
 50uV Rx  
 160mV Tx  
 455IF-B

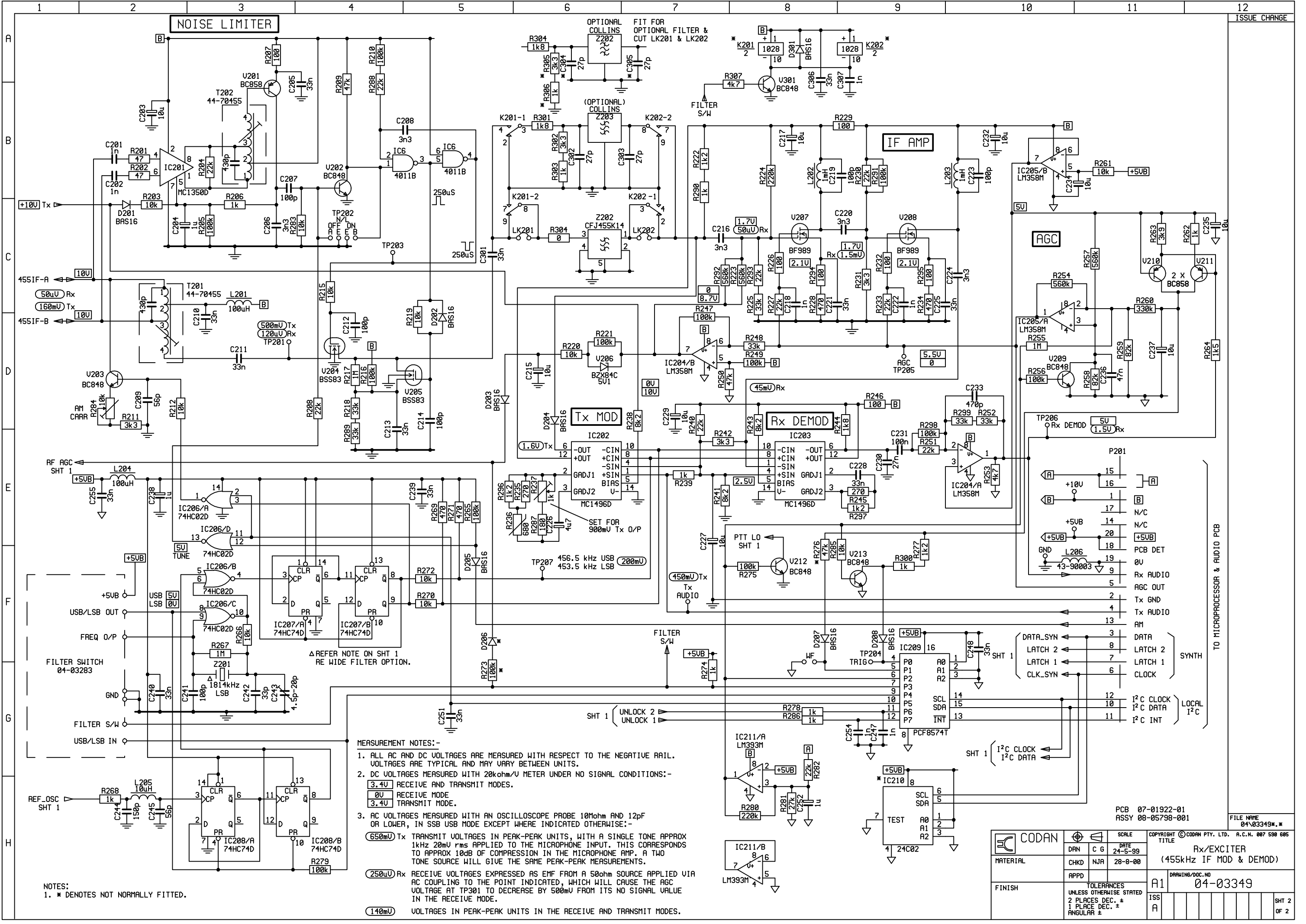
RF AGC  
 SHT 2

REF\_OSC  
 UNLOCK 2  
 UNLOCK 1  
 DATA\_SYN  
 LATCH 2  
 LATCH 1  
 CLK\_SYN

CODAN		SCALE	© CODAN PTY. LTD., A.C.N. 007 590 685, 1999	
MATERIAL	DRN C 6	DATE	TITLE	
FINISH	CHKD NJA	APPD	Rx/EXCITER (RF MIXER & SYNTHESISERS)	
	TOLERANCES UNLESS OTHERWISE STATED		DRAWING/DOC. NO	
	2 PLACES DEC. ±		A1 04-03349	
	1 PLACE DEC. *		ISS	SHT 1
	ANGULAR ±		A	OF 2

PCB 07-01922-01  
 ASSY 08-05798-001

FILE NAME 04\03349.m



**NOISE LIMITER**

**IF AMP**

**Tx MOD**

**Rx DEMOD**

**AGC**

- MEASUREMENT NOTES:-**
- ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS.
  - DC VOLTAGES MEASURED WITH 20k $\Omega$ /V METER UNDER NO SIGNAL CONDITIONS:-
    - 3.4V RECEIVE AND TRANSMIT MODES.
    - 0V RECEIVE MODE
    - 3.4V TRANSMIT MODE.
  - AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10M $\Omega$  AND 12pF OR LOWER, IN SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE:-
    - 650mV Tx TRANSMIT VOLTAGES IN PEAK-PEAK UNITS, WITH A SINGLE TONE APPROX 1kHz 20mV rms APPLIED TO THE MICROPHONE INPUT. THIS CORRESPONDS TO 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 50 $\Omega$  SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AGC VOLTAGE AT TP301 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.

NOTES:  
1. \* DENOTES NOT NORMALLY FITTED.

PCB 07-01922-01 ASSY 08-05798-001		FILE NAME 04-03349*.*	
		SCALE: C 6 DATE: 24-5-99 DRN: C 6 CHKD: NJA APPD:	
MATERIAL:		TOLERANCES: UNLESS OTHERWISE STATED 2 PLACES DEC. $\pm$ 1 PLACE DEC. $\pm$ ANGULAR $\pm$	
FINISH:		DRIVING/DOC. NO: 04-03349 ISS: A SHT 2 OF 2	

TO MICROPROCESSOR & AUDIO PCB

ISSUE CHANGE