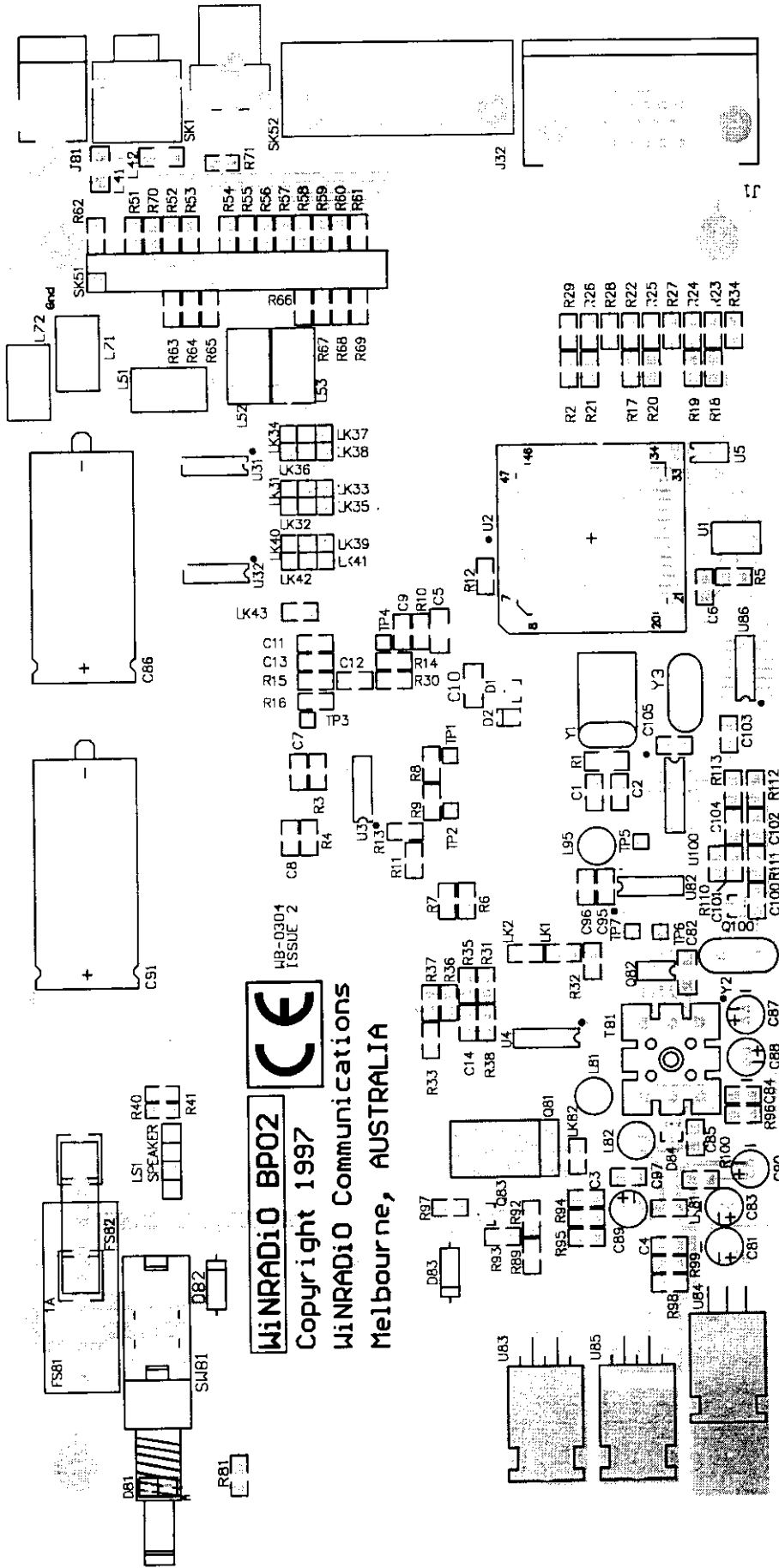


APPENDIX I

TEST SAMPLE CIRCUIT ASSEMBLY DIAGRAMS

Top Over Lay



WinRadio BP02

Copyright 1997

WinRadio Communications
Melbourne, AUSTRALIA

WB-0304
ISSUE 2

EXTERNAL BACKPLANE - TOP

NR 1000e

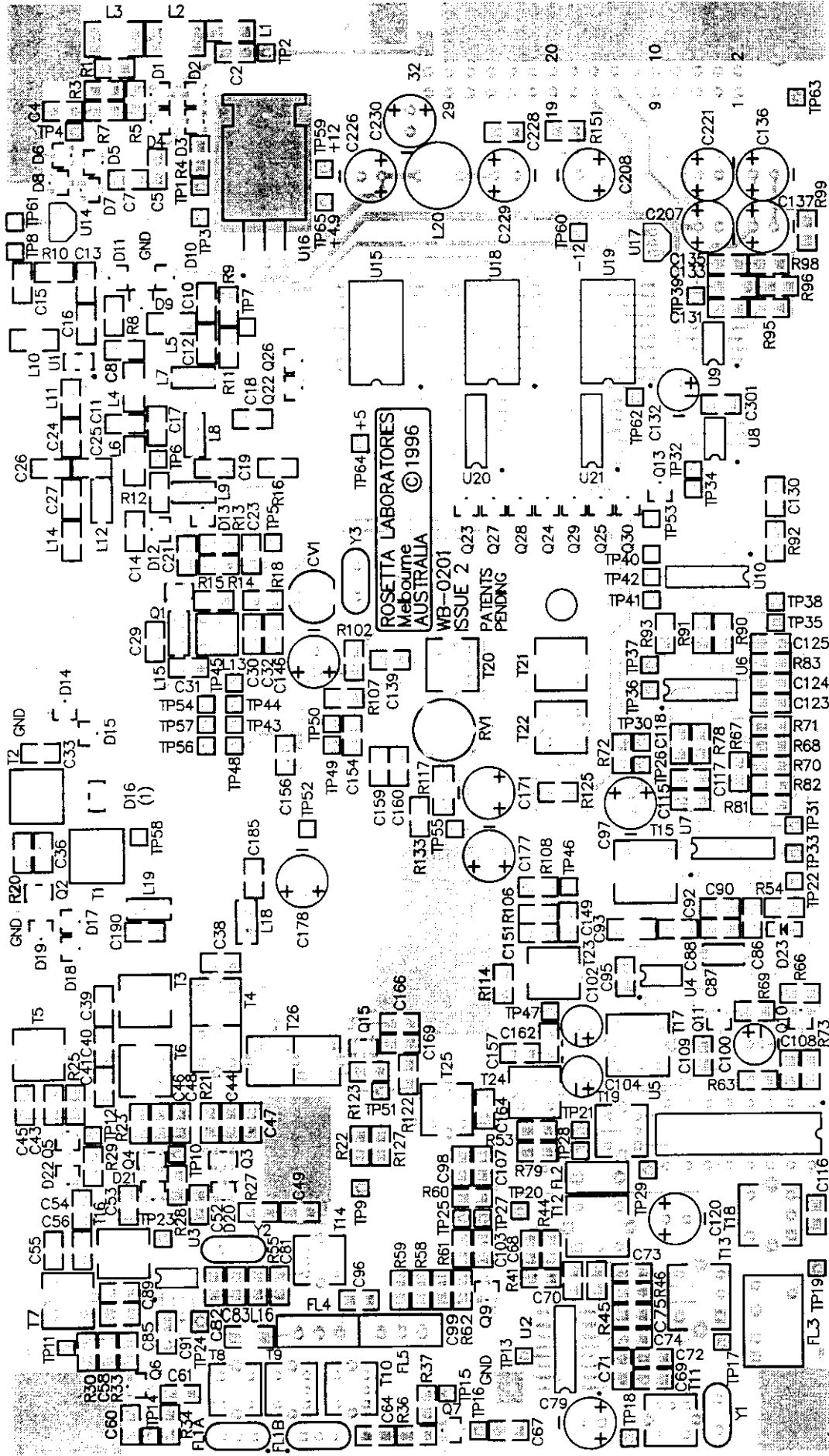
FCC ID: HNL-WREXT

2 1000e7

EXTERNAL BACKPLANE - BOTTOM

WR1000e

FCC ID: HNL-WREXT

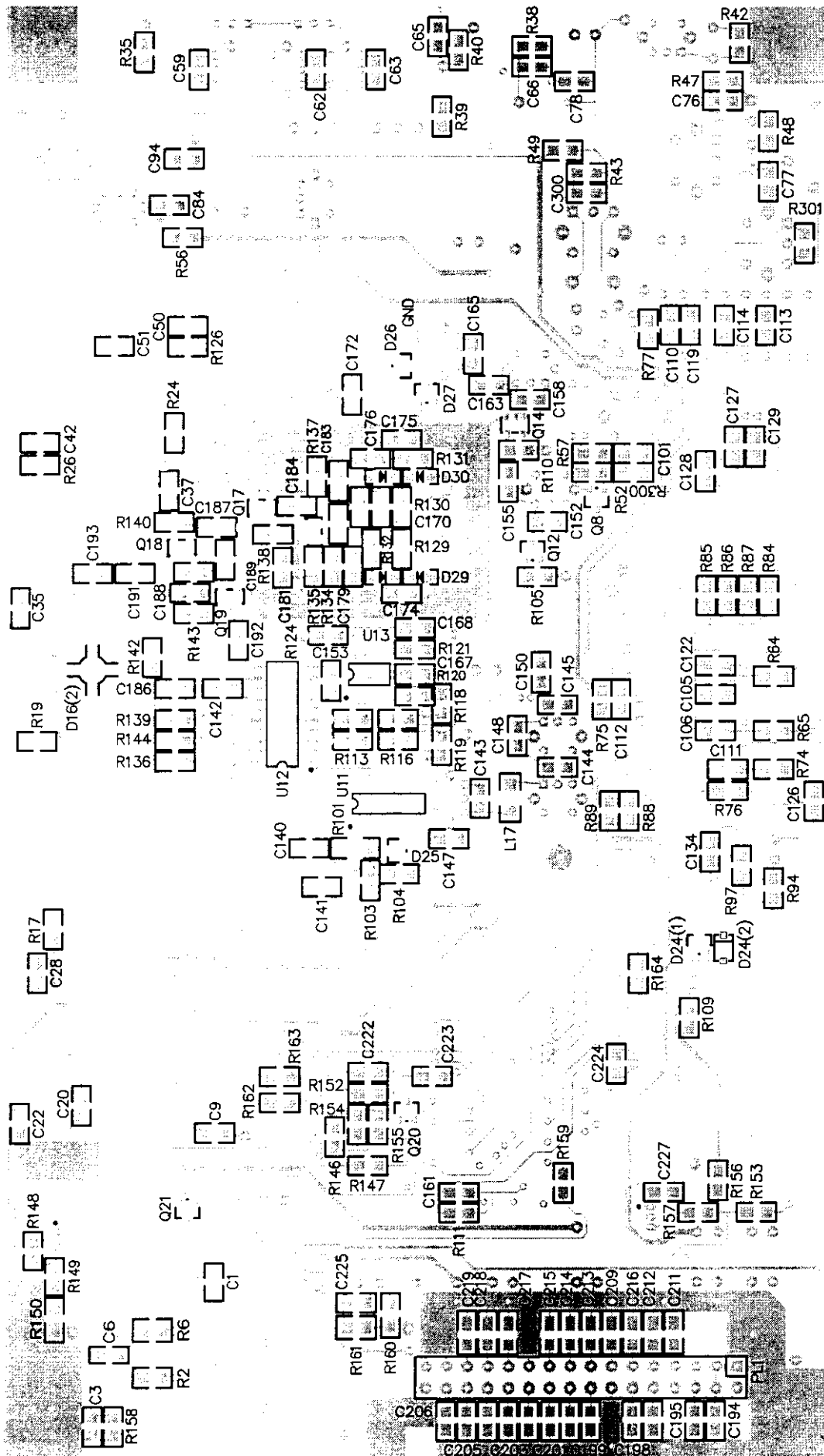


RECEIVER BOARD - TOP

WR1000e

FCC ID: HNL-WREXT

2 1000e

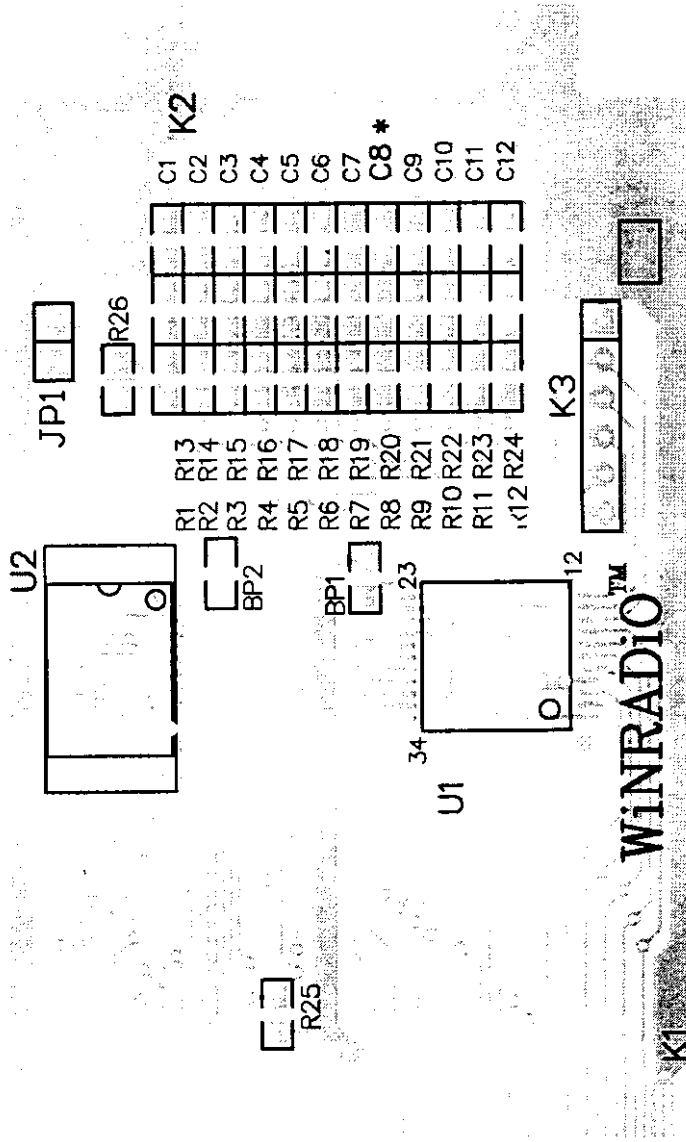


RECEIVER BOARD - BOTTOM

WR 1000e

FCC ID: ANL-WREXT

FCC ID: HNL-WREXT



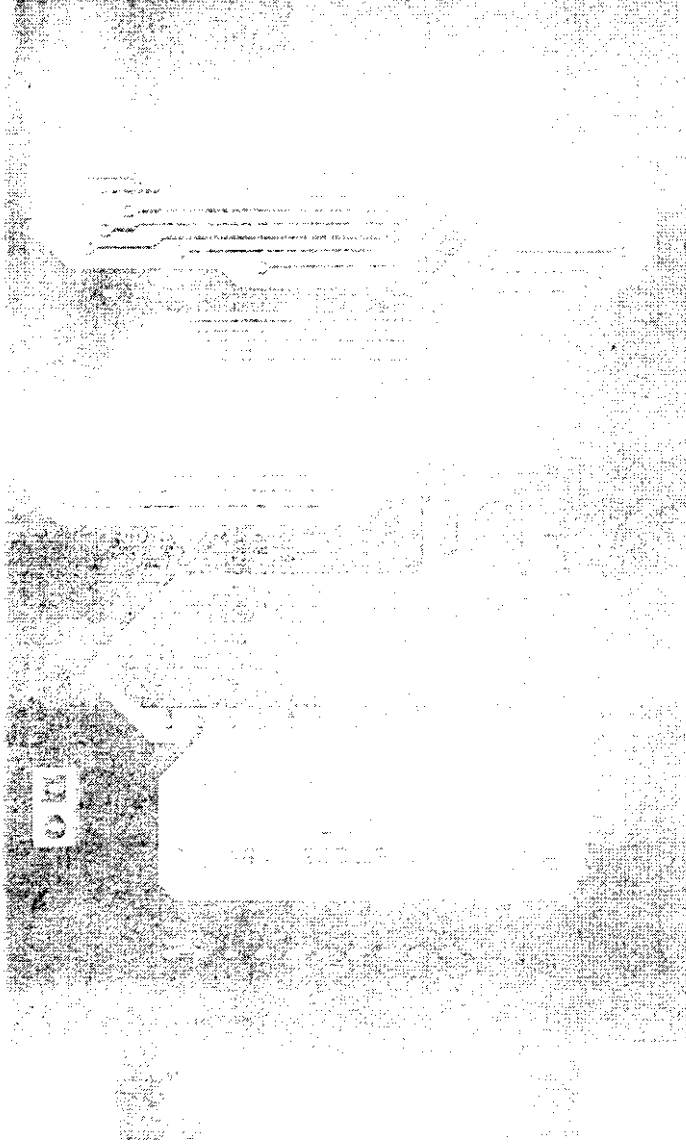
PCMCIA CARD - TOP

WR 1000e

FCC ID: HNL-WREXT

WR 1000e

FCC ID: HNL-WREXT

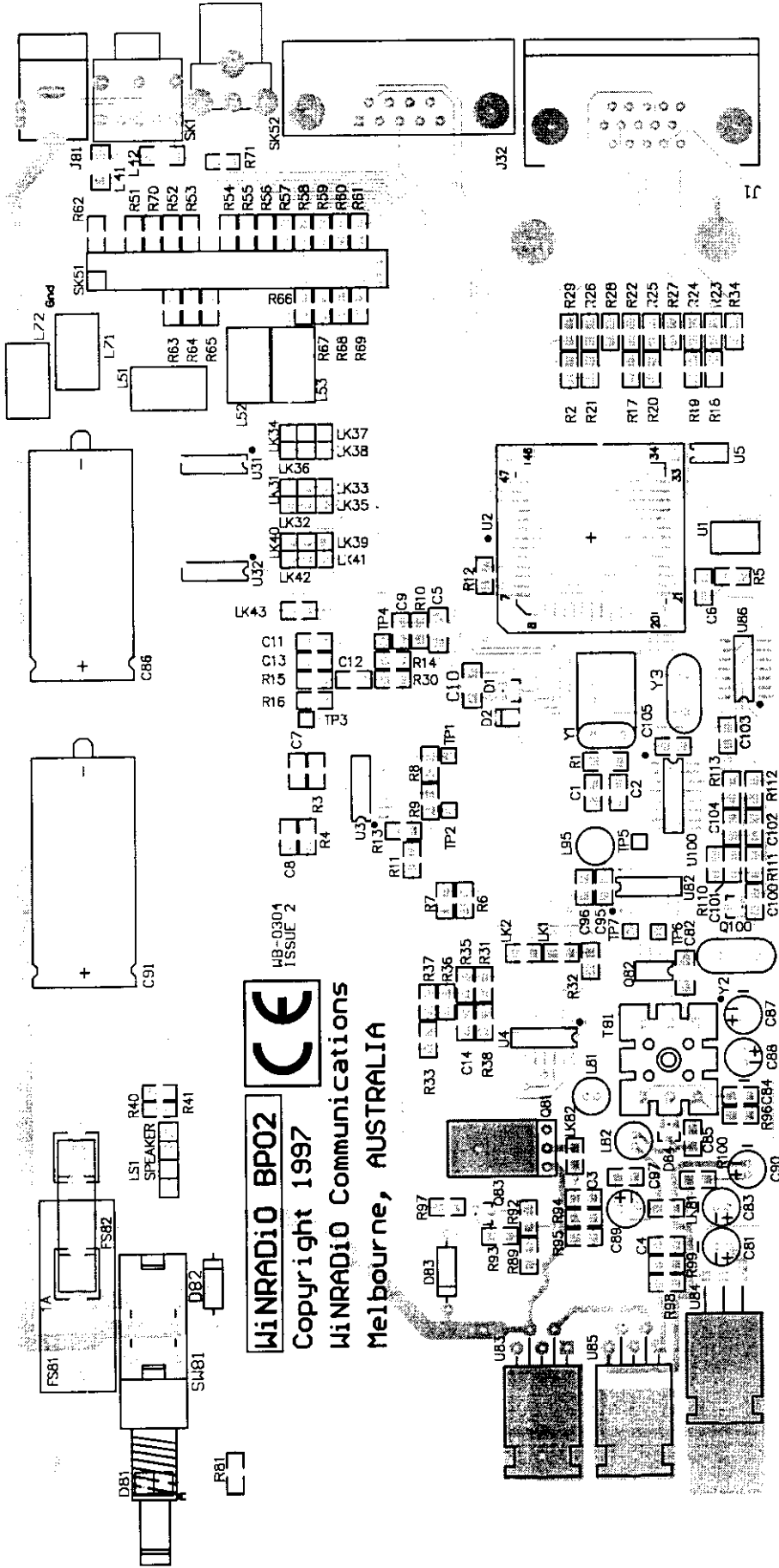


PCMCIA CARD -- BOTTOM

WR 1000e

(WR 1000e)

Top Overlay



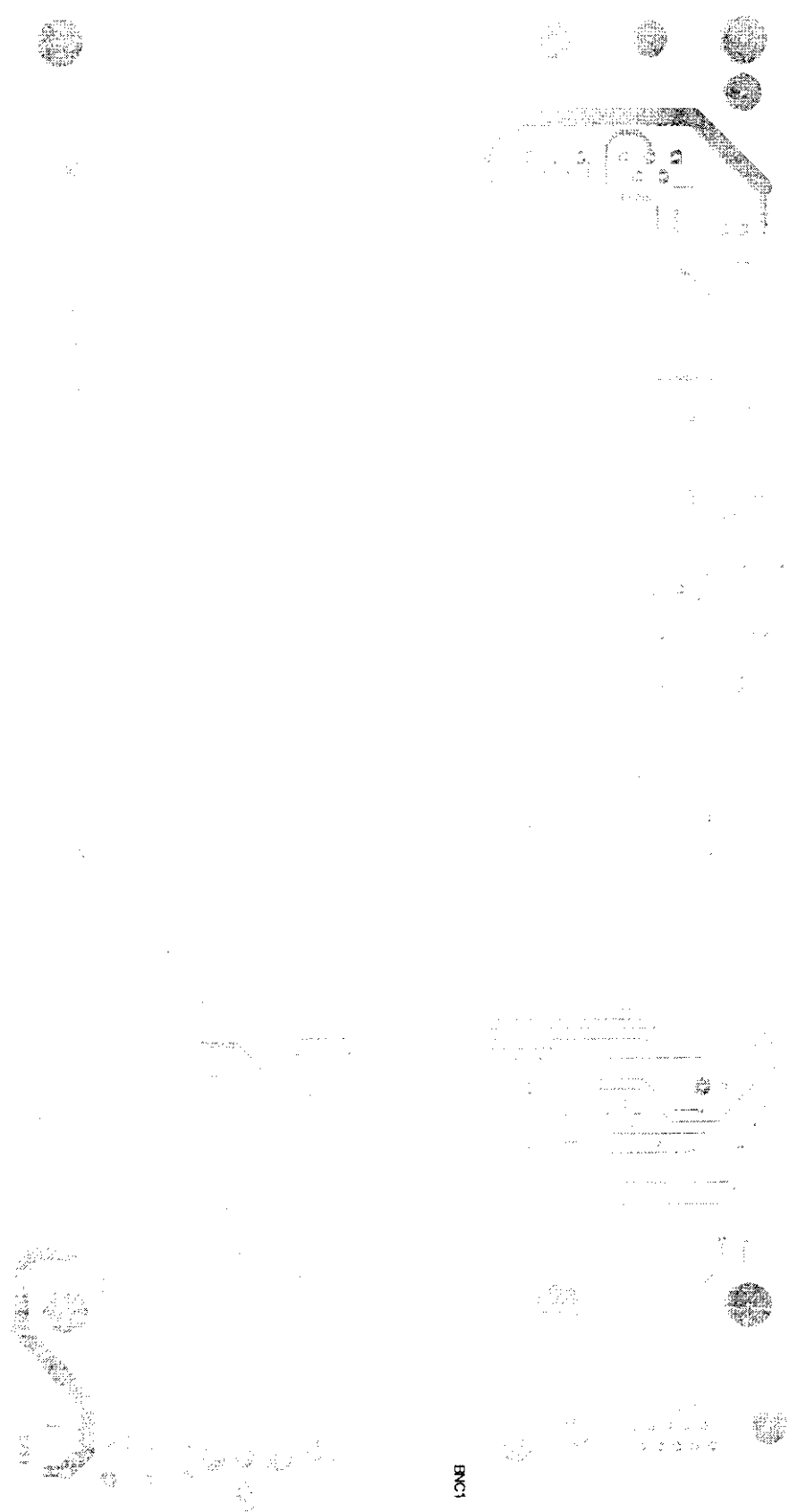
WiNRADIO BP02
Copyright 1997
WiNRADIO Communications
Melbourne, AUSTRALIA

WB-0304
ISSUE 2

EXTERNAL BACKPLANE - TOP
WR 1500e

FCC ID: HNL-WREXT

WR 1500e

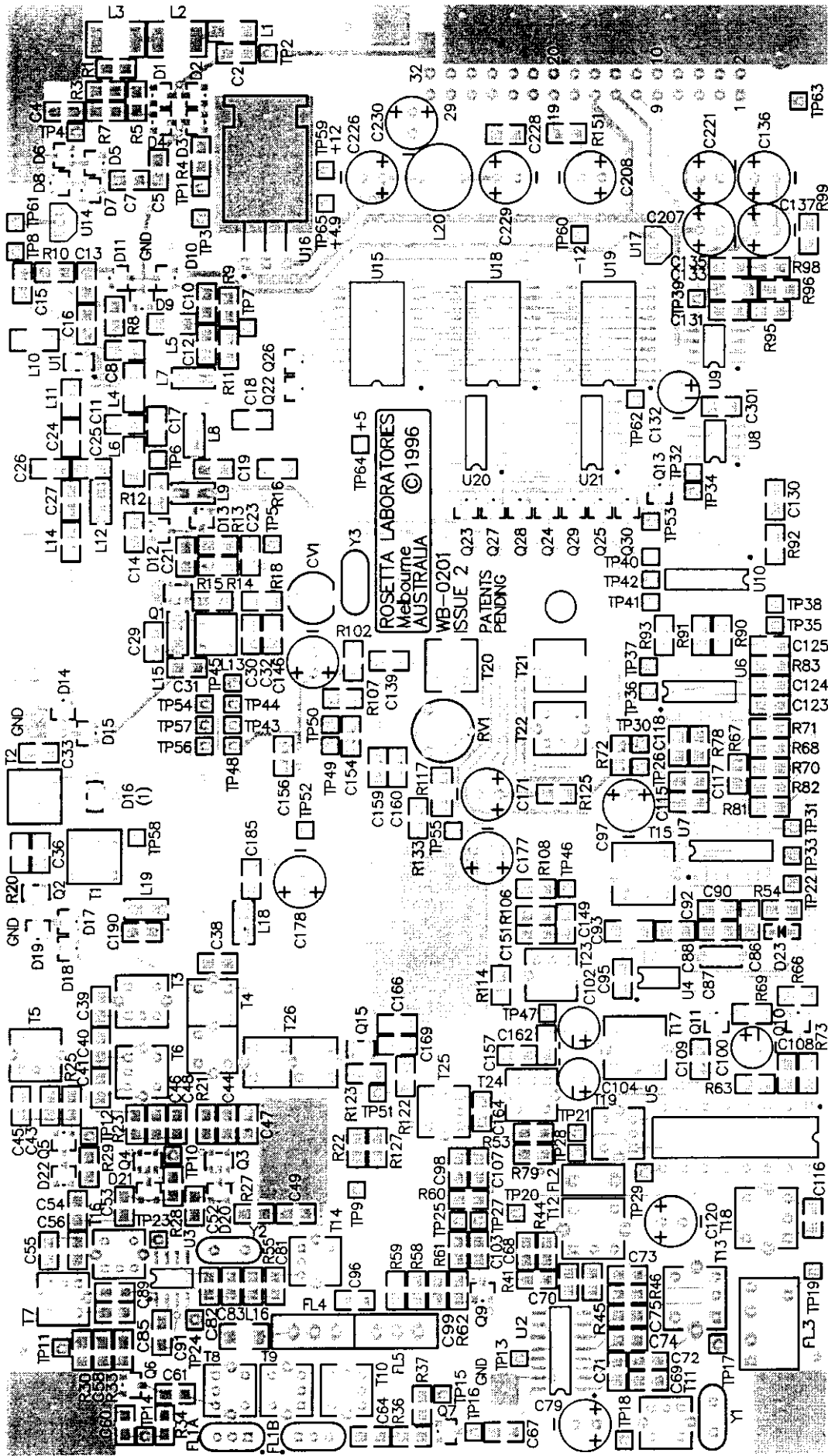


ENC1

EXTERNAL BACKPLANE - BOTTOM
WR 1500e

FCC ID: HNL-WREXT

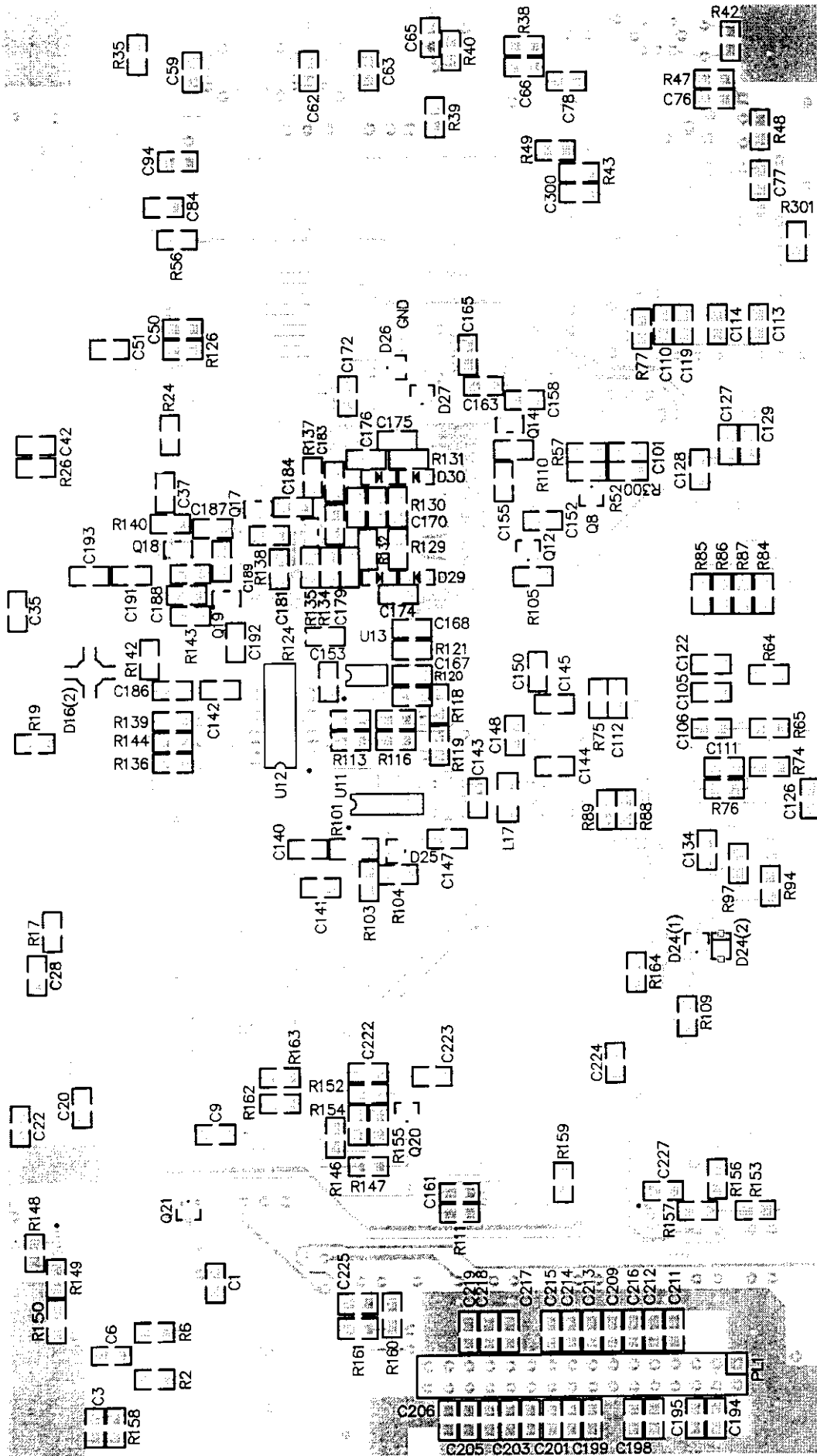
1500e)



RECEIVER BOARD - TOP

WR1500e

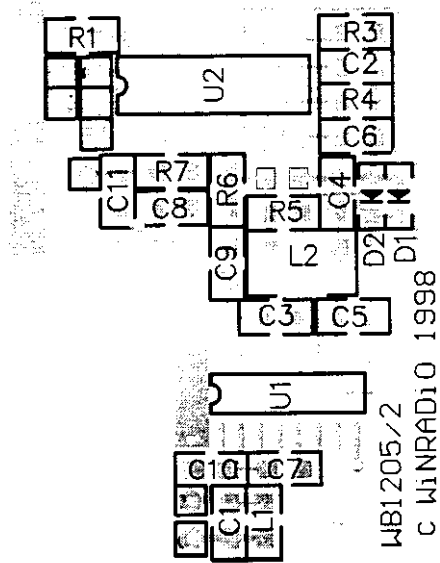
FCC ID: ANL-WREXT



RECEIVER BOARD - BOTTOM

WR1500e

FCC ID: ANL-WREXT



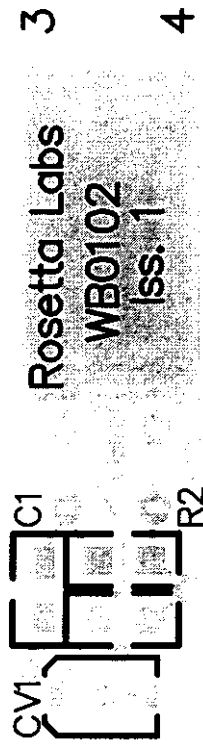
DIGITAL BFO - TOP

DIGITAL BFO - BOTTOM

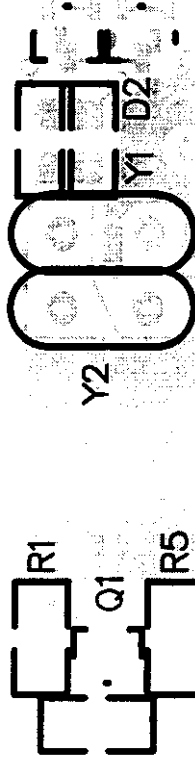
WR 1500e

FCC ID: HNL-WREXT

WR 1500e



CRYSTAL SWITCHER - TOP



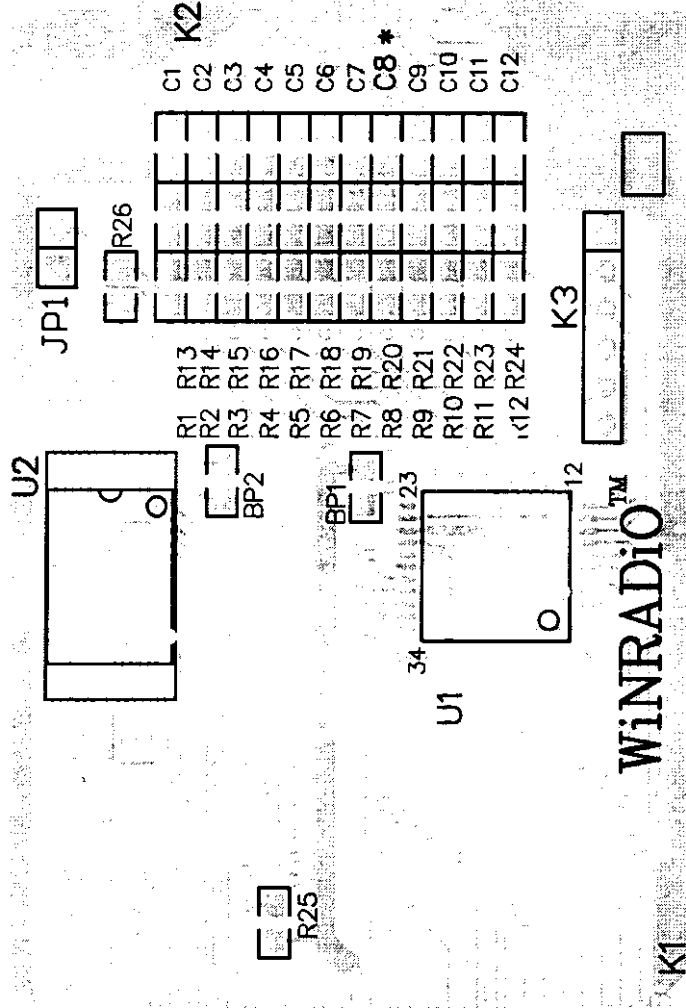
CRYSTAL SWITCHER - BOTTOM

WR1500e

FCC ID: HNL-WREXT

WR1500e

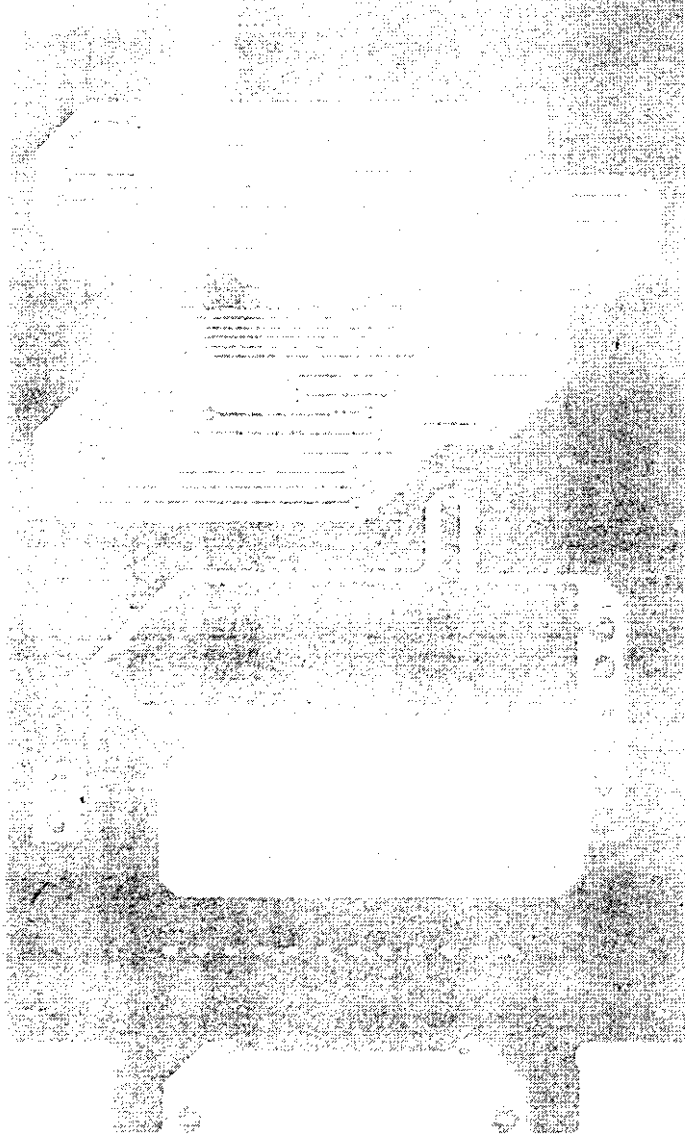
FCC ID: HNL-WREXT



PCMCIA CARD - TOP

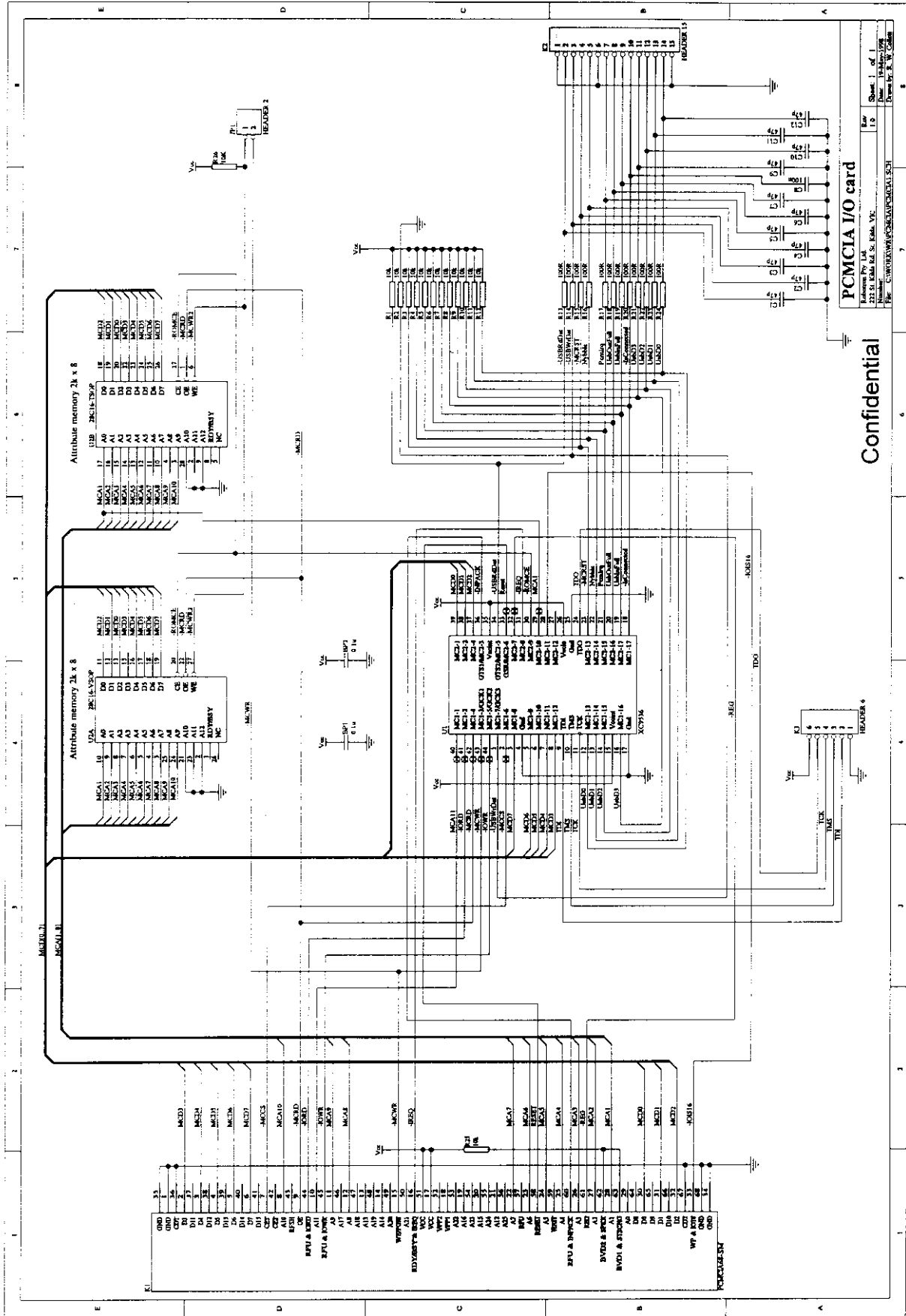
WR1500e

FCC ID: HNL-WREXT



PCMCIA CARD - BOTTOM
WR 1500e

(WR 1500e)



Confidential

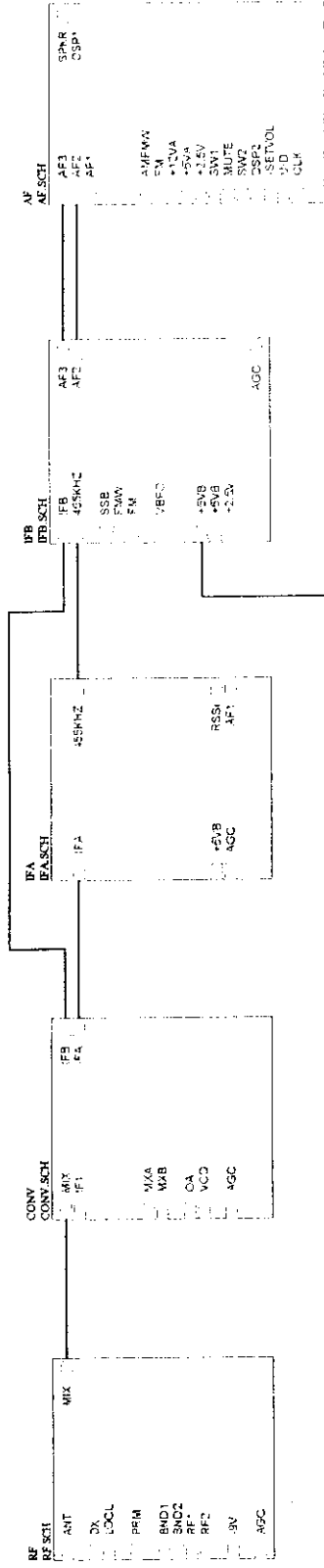
PCMCIA I/O card

Revision: Rev. 1.0
222 S. Main St. Suite 100
P.O. Box 1000
San Jose, CA 95128

WR 1500e

FCC ID: ANL-WREXT

WR 1500e



- RTL
- AGC
 - RF
 - SPKR
 - LD1
 - LD2
 - LD3
 - LD4
 - LD5
 - LD6
 - LD7
 - LD8
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 - LD11
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- PLL
- SETUP
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WR-1000e
FCC ID: INL-WREXT

WR-1000e

Receivers Laboratory Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3182, Australia

Title: RECEIVER CARD BLOCK DIAGRAM

Rev: A3 Number: WS-0301 Issue: 1

Date/Time: 11-May-1998 19:33:20 Sheet: 1 of 9

File: W:\PROJ\WR1000\CTWINRADIO.PRJ Drawn By: P. R. NESBITT

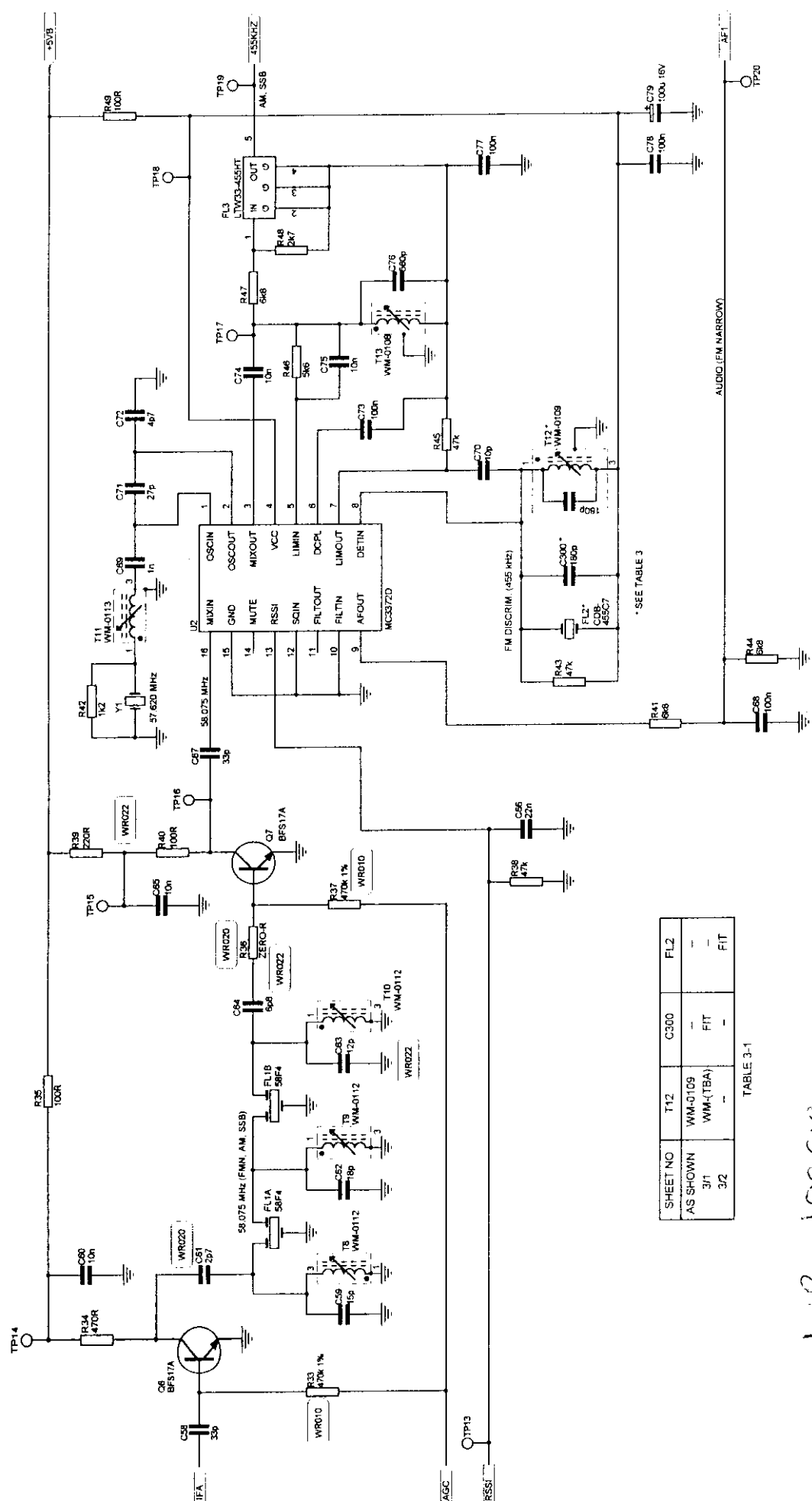


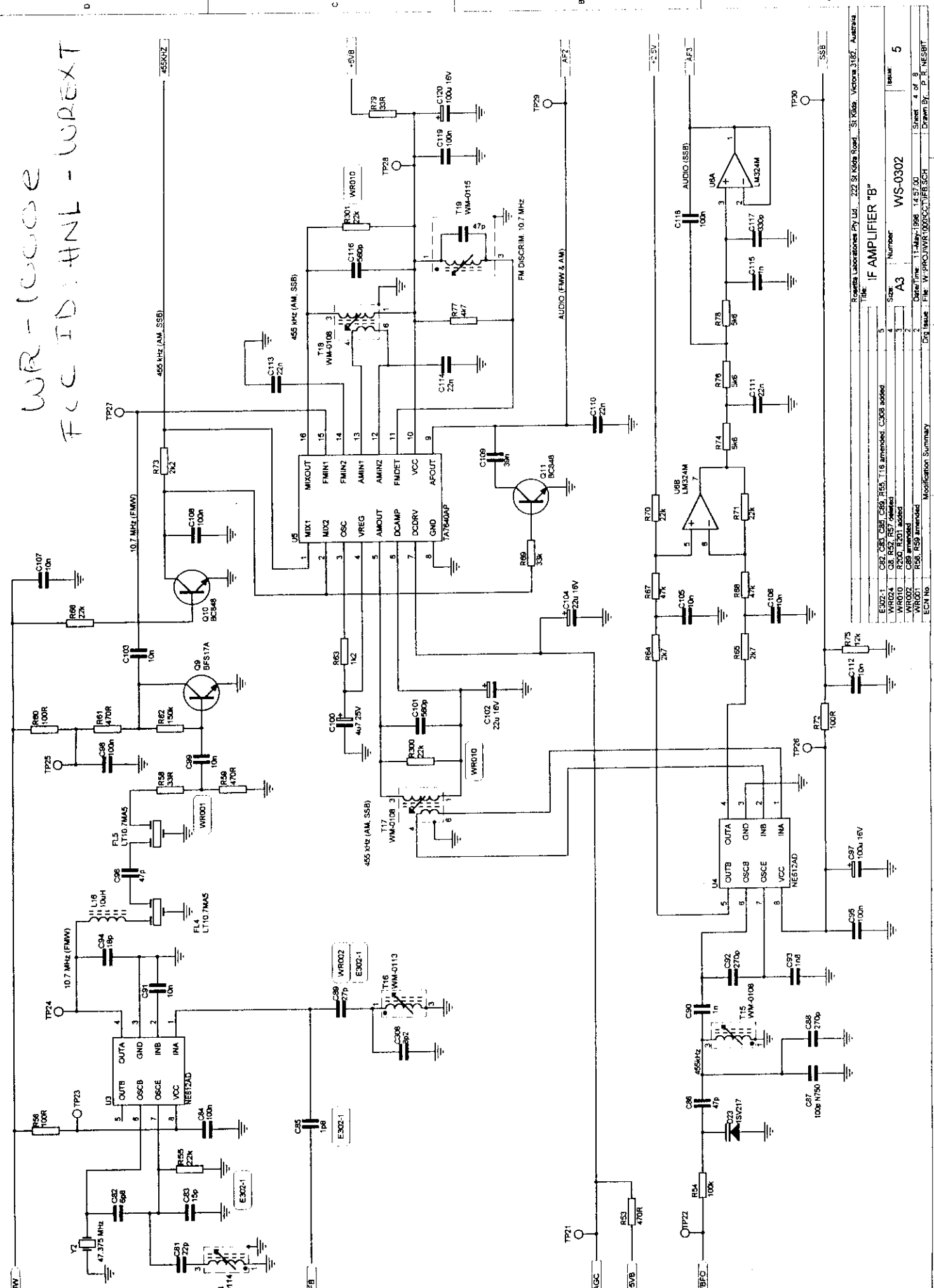
TABLE 3-1

SHEET NO	T12	C300	FL2
AS SHOWN	WM-0109	-	-
3/1	WM-(TBA)	FIT	-
3/2	-	-	FIT

WR-10000
FCC ID: 4NL-WREXT

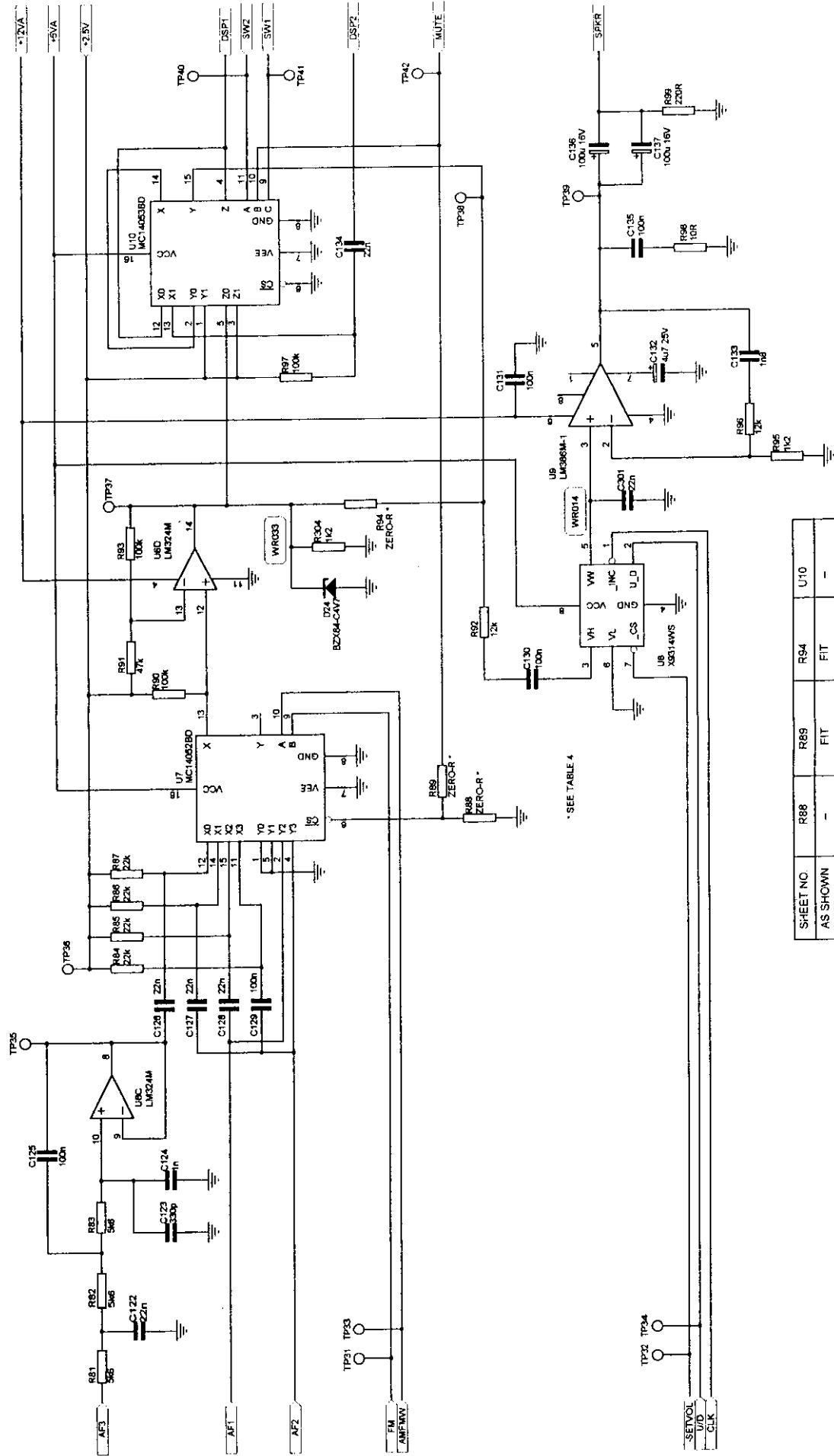
Size	Number	Issue
A3	WS-0302	3
WR022	C61, R36, R39, R40 amended	
WR020	C61, R36 amended	
WR010	R35, R37 amended	
ECN No.	Modification Summary	
1	2	3
4	5	6
7	8	9

WR-10000
FCC ID: ANL-WREXT



ECN No.		Modification Summary	5	8
E302-1	C82, C83, C84, C85, R55, T15 amended	C808 added	3	
WR024	C8, R52, R53, R54 amended		3	
WR025	C86, R56, R57, R58 amended		3	
WR026	C89, R59, R60 amended		3	
WR027	R58, R59 amended		3	
ECN No.		Modification Summary	5	8
Title		IF AMPLIFIER "B"		
Project		Project Laboratories Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3162, Australia		
Sheet		4 of 5		
Drawn By		P. R. NESBIT		
Number		WS-0302		
Revision		5		

WLR-1000E
FCC ID: ANL-CUREXT

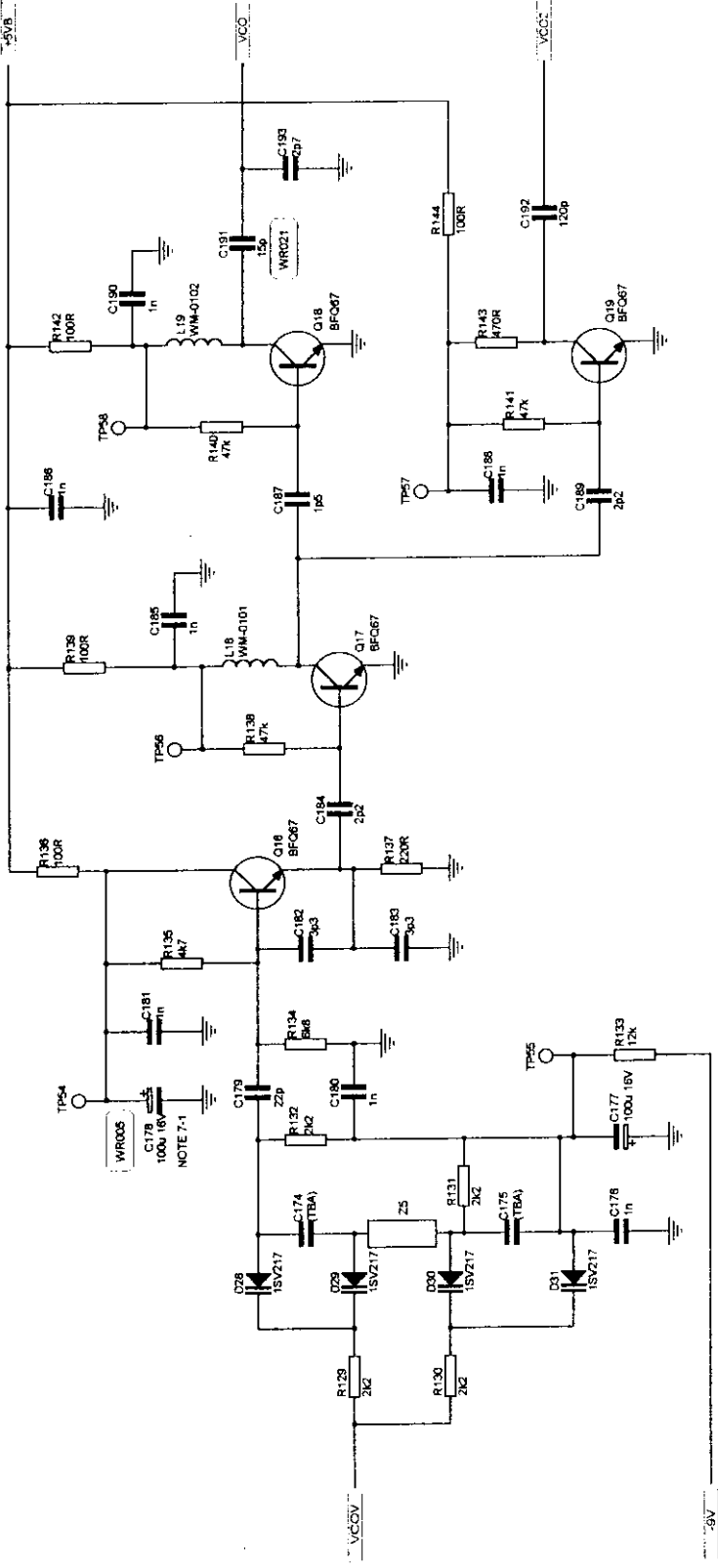


SHEET NO.	R88	R89	R94	U10
AS SHOWN	-	FIT	-	FIT
5/1	FIT	-	-	-

TABLE 5-1

Rodata Laboratories Pty Ltd 222 St Kilda Road, St Kilda, Victoria 3182, Australia
 Title: **AUDIO SELECTOR & AMPLIFIER**
 Date: 11/04/1998 14:58:55
 File: W:\PROJ\WLR1000E\TAF.SCH
 Drawn By: P. R. NESBITT

Size	Number	Rev
A3	WS-0302	3
WR000	R304 added	3
WR012	C301 added	3
ECN No	Modification Summary	Drawn By: P. R. NESBITT

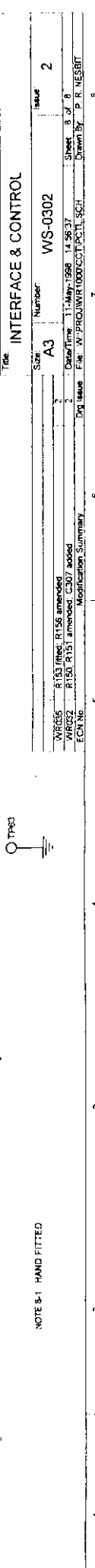


WR-10002
FCC ID: HNL-WREXT

NOTE 7-1: HAND FITTED

Recepta Laboratories Pty Ltd 225 St Kilda Road, St Kilda, Victoria 3182, Australia

Title		VCO	
Rev	Number	Issue	2
WR001	C178 amended	A3	WS-0302
WR005	C178 physically relocated No effect on schematic.	2	Date/Time: 11 May 1988 14:26:40
ECN No	File: W:\PROJ\WR1000\CTVCO SCH	2	Drawn By: P. R. NEBBIT
Modification Summary		7	8

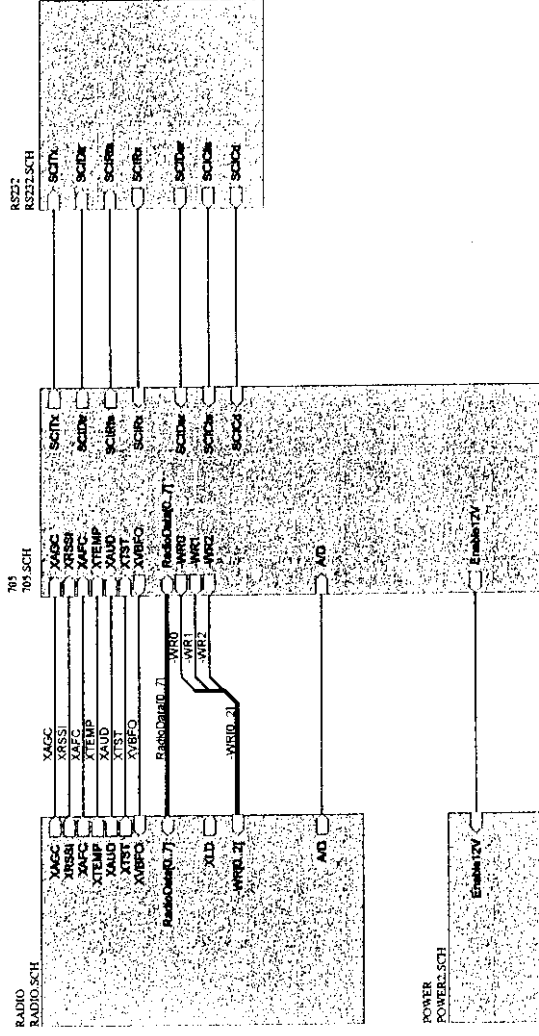


INTERFACE & CONTROL

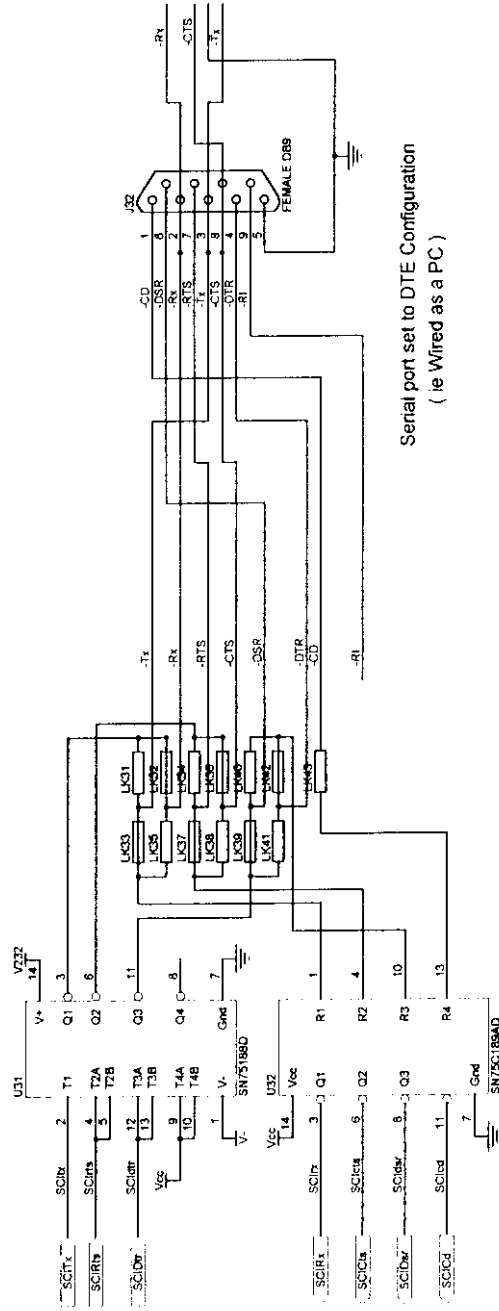
3

WJ-1000
FCC FDZ
EXB

WR-100002
FCC ID: HNL-WREXT



WR-1000e
FCC ID: HNL-WREXT

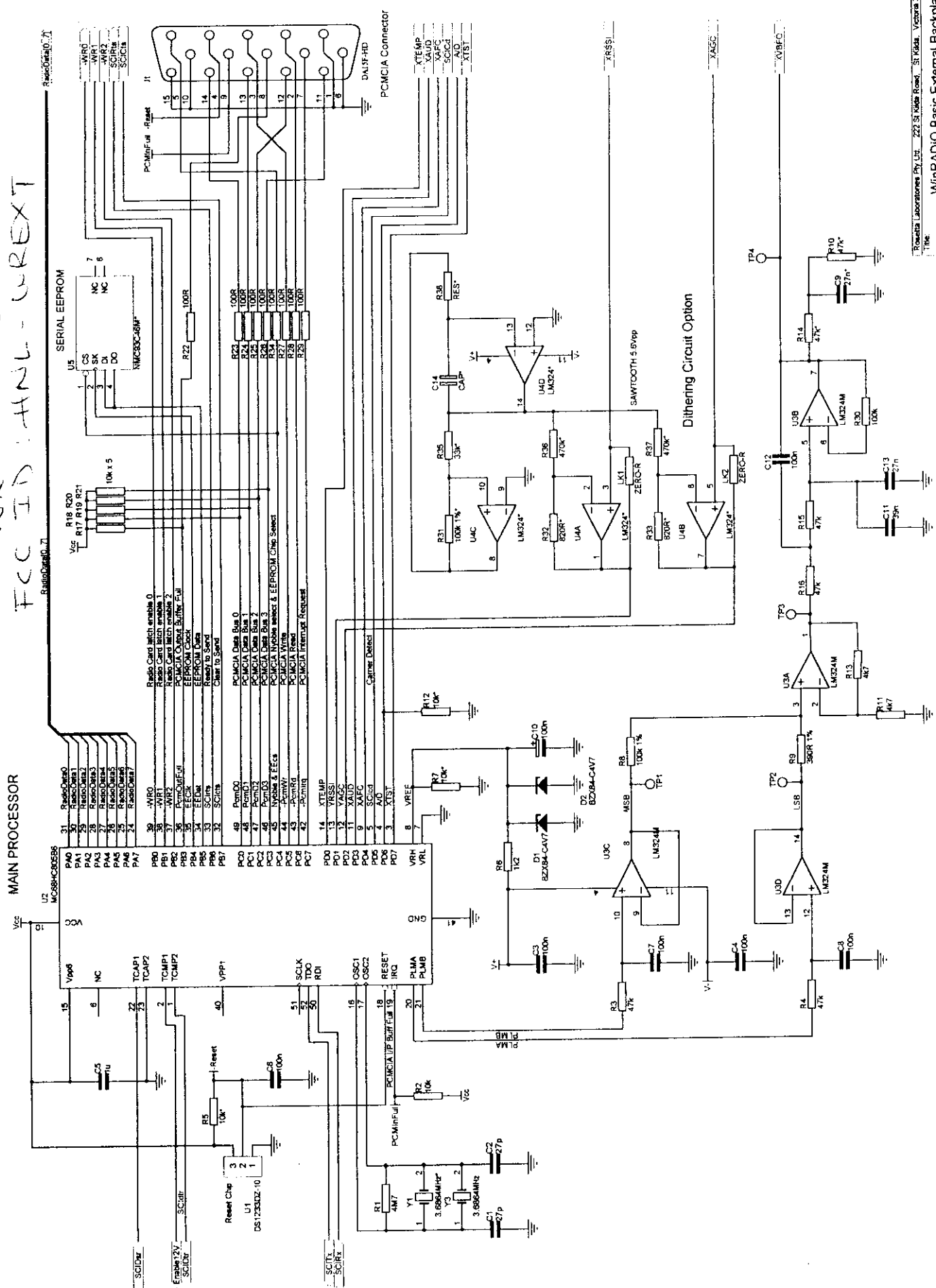


Serial port set to DTE Configuration
(ie Wired as a PC)

NOTE: LINKS ON THIS SHEET NOT FITTED FOR WR-1100

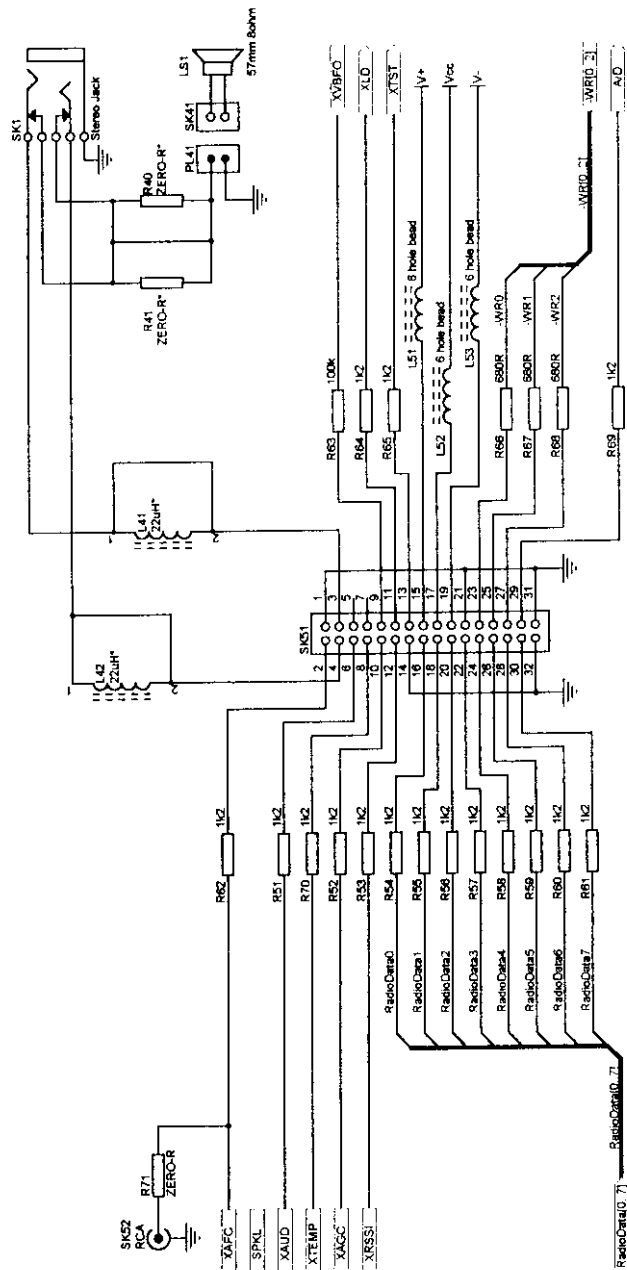
WR-1000C
FCC ID: ANL-WEXT

MAIN PROCESSOR



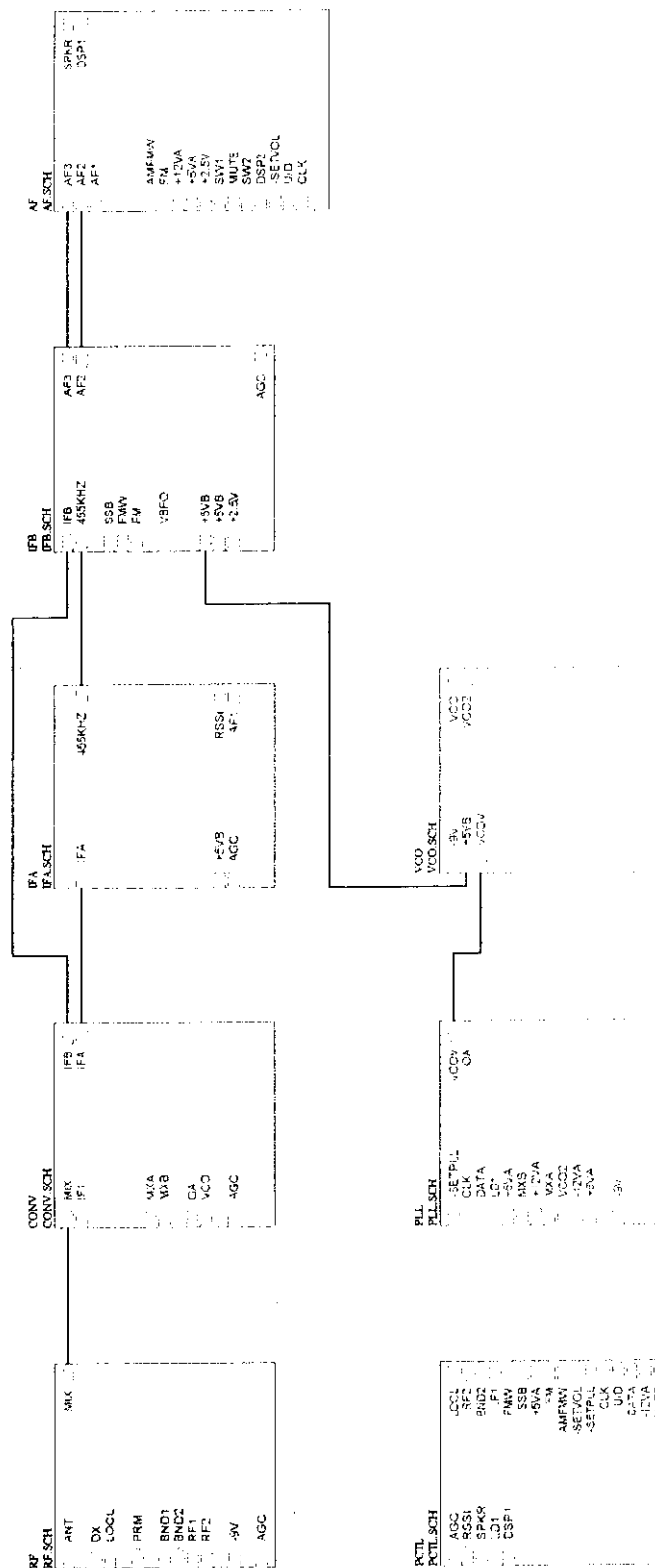
NOTE: ITEMS MARKED WITH AN ASTERISK NOT FITTED FOR WR-1100

WR-1000E
FCC ID: 4N1-WREXT



NOTE: ITEMS MARKED WITH AN ASTERISK NOT FITTED FOR WR-1100

Project: Laboratories Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3182, Australia	
Title: RCVR CARD SOCKET	
Size: A3	Number: WS-0304
Issue: 1	Sheet: 4 of 5
Date/Time: 11-MAY-1998 15:35:47	
File: WPROJ\BACK\EXT\G2\RADSO SCH	
Drawn By: E. W. C. RICHARDS	



UR-1500
FCC ID: 42L-WRXT

WR-1500e

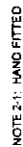
Rosetta Laboratories Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3182, Australia.

RECEIVER CARD BLOCK DIAGRAM

Size:	A3	Number:	WS-0301	Issue:	1
-------	----	---------	---------	--------	---

AD	WD-0001	Date/Time: 11-May-1998 19:33:20	Sheet 1 of 9
		File: W:\980\W981000\CTWINRATIO.B8	Drawn By: P. S. NESBIT

Date/Time: 11-May-1998 19:51:20
File: W1980NW181000CCTWINRAD10.PP
Drawn By: P. R. NESBITT
Sheet: 8 of 9

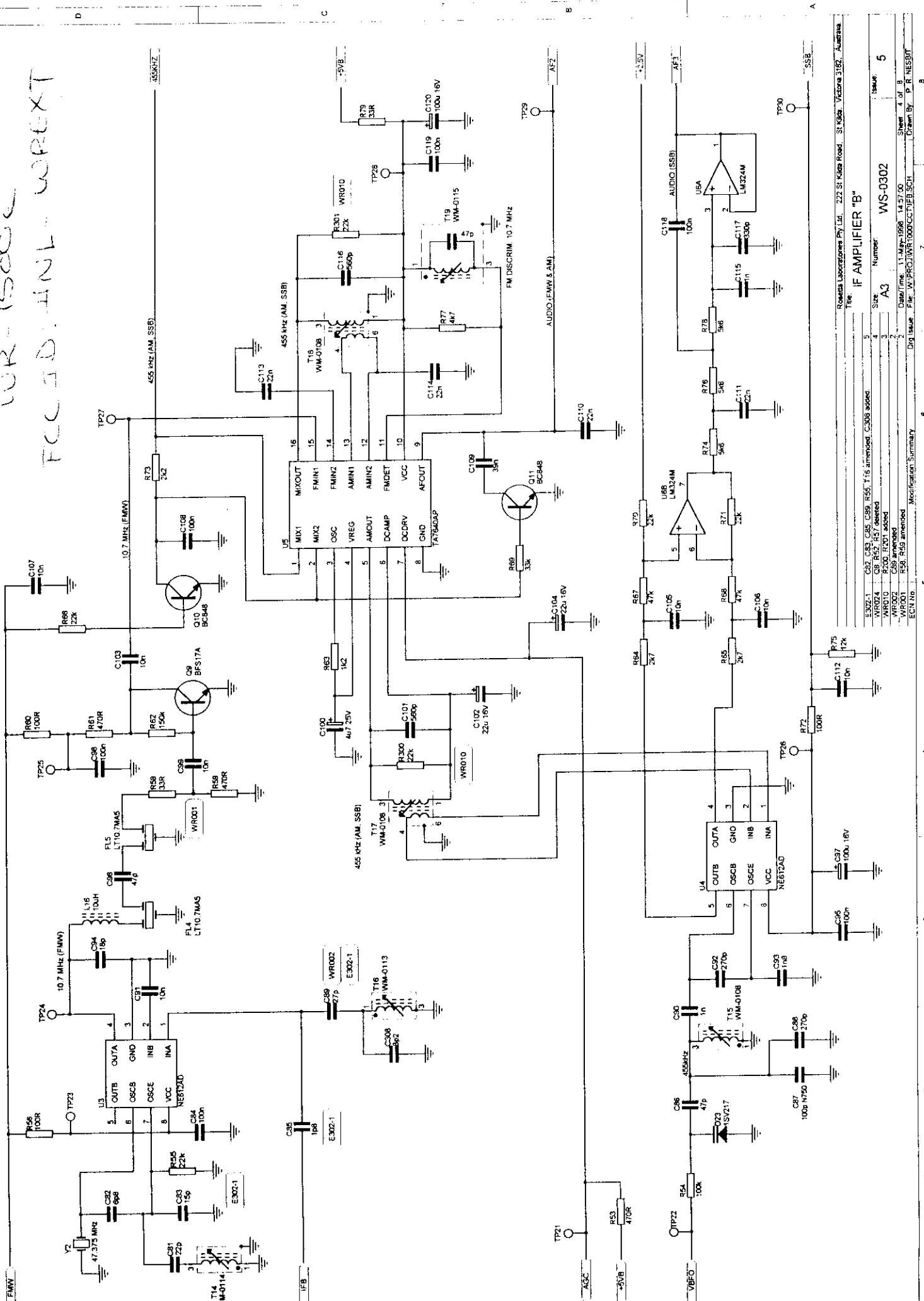


500-1-23

XWZ3-724-HCC

1

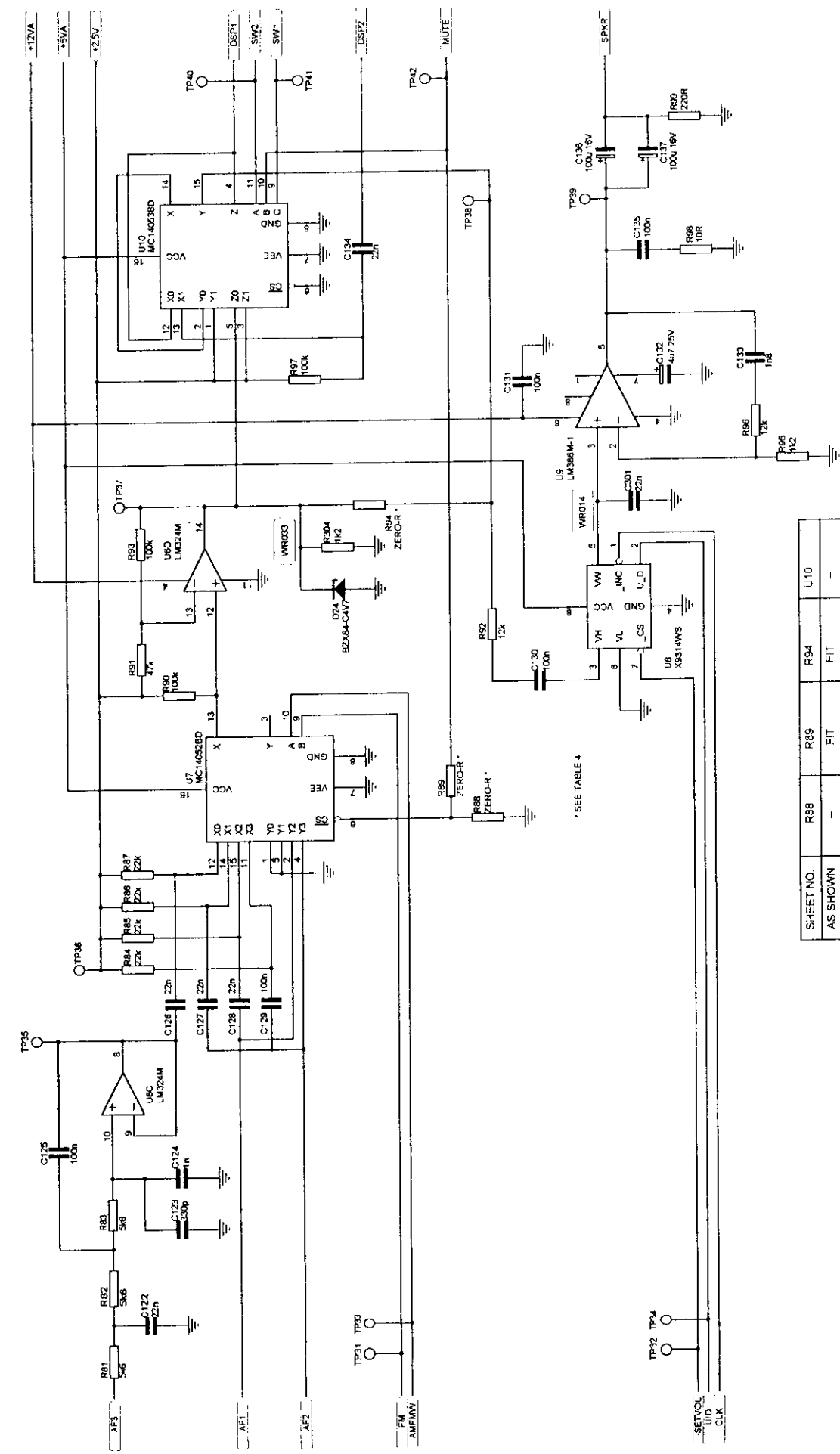
WR-1500C
FCC ID: INL-WREXT



Revision History		Title		IF AMPLIFIER "B"	
Rev	Description	Rev	Description	Rev	Description
1	Initial Issue	1	Initial Issue	1	Initial Issue
2	Design Changes	2	Design Changes	2	Design Changes
3	Manufacturing Changes	3	Manufacturing Changes	3	Manufacturing Changes
4	Testing Changes	4	Testing Changes	4	Testing Changes
5	Final Release	5	Final Release	5	Final Release

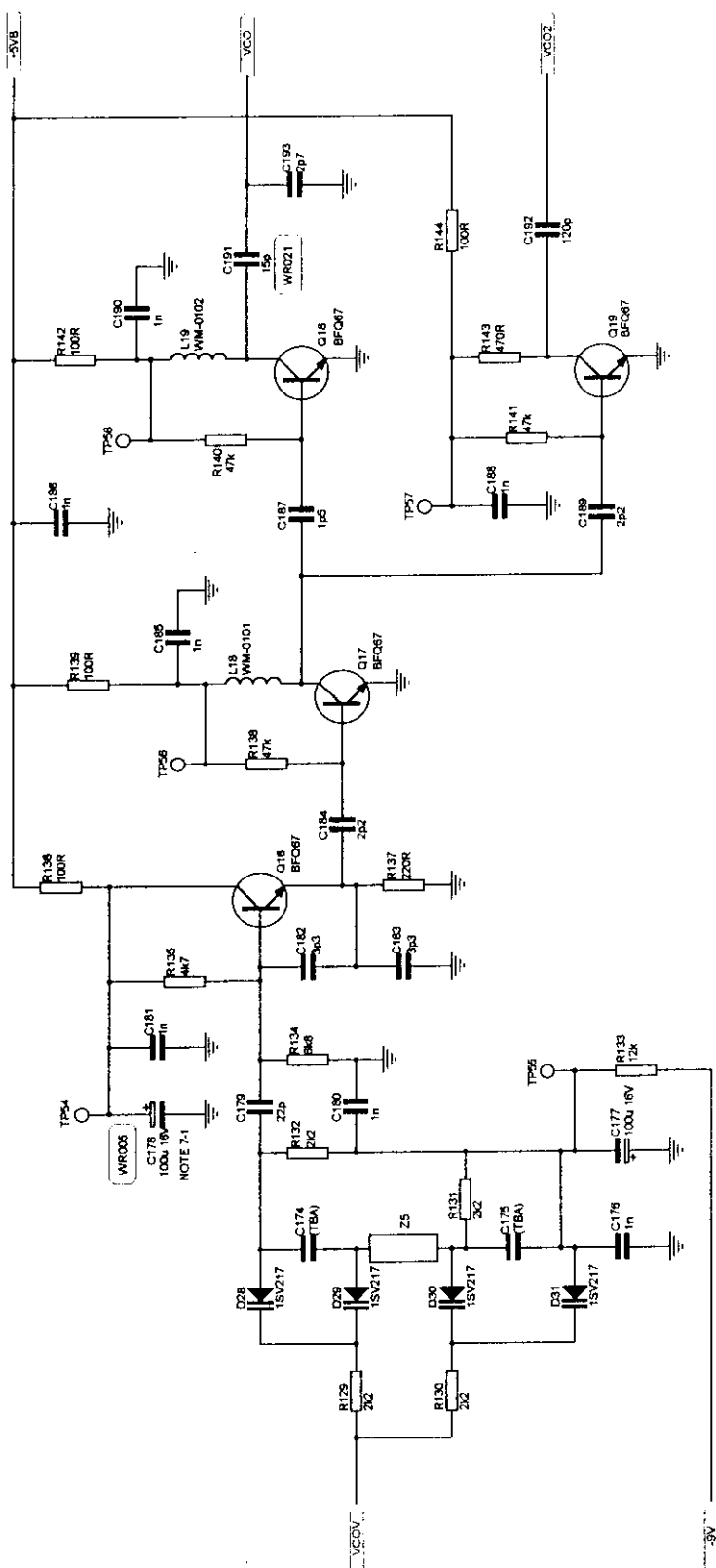
Revision History		Title		IF AMPLIFIER "B"	
Rev	Description	Rev	Description	Rev	Description
1	Initial Issue	1	Initial Issue	1	Initial Issue
2	Design Changes	2	Design Changes	2	Design Changes
3	Manufacturing Changes	3	Manufacturing Changes	3	Manufacturing Changes
4	Testing Changes	4	Testing Changes	4	Testing Changes
5	Final Release	5	Final Release	5	Final Release

WR-1500E
FCC ID: HNL-WREXT



SHEET NO.	R88	R89	R94	U10
AS SHOWN	-	FIT	-	FIT
5/1				

TABLE S-1

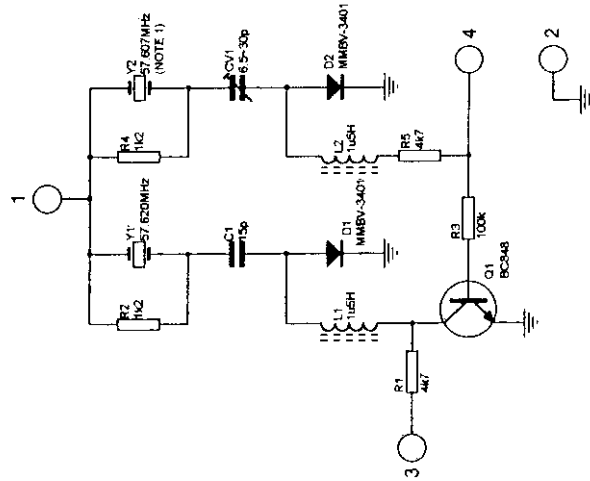


WR-1500e
FCC ID: HNL-WREXT

NOTE 7-1: HAND FITTED

Rosetta Laboratories Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3182, Australia	
File: VCO	
Size: A3	Number: WS-0302
Issue: 2	Issue: 2
WR021 C181 amended	Sheet 7 of 8
WR005 C178 physically relocated. No effect on schematic.	Date Time: 11-May-1998 14:56:40
ECN No. 2	Drawn By: P. R. NESBITT
Modification Summary	
ECN No. 2	Drawn By: P. R. NESBITT

WR-1500e
FCC ID: HNL-WREXT



NOTE 1: THE FREQUENCY OF Y2 IS CALCULATED FROM:

$F \text{ (kHz)} = 57620 + C - W1 - W2$, WHERE:

$W1$ = DIFFERENCE BETWEEN CENTRE & LOWER EDGE OF FL1 (NOM. 10 kHz),

$W2$ = DIFFERENCE BETWEEN CENTRE & UPPER EDGE OF FL3 (NOM. 5 kHz),

C = DESIRED BW OF FL1 & FL3 IN CASCADE (NOM. 2 kHz)

WHEN MEASURING $W1$ & $W2$, NOTE THAT THE PASSBAND

OF FL1 & FL3 MAY NOT BE SYMMETRICAL ABOUT THE CENTRE FREQ.

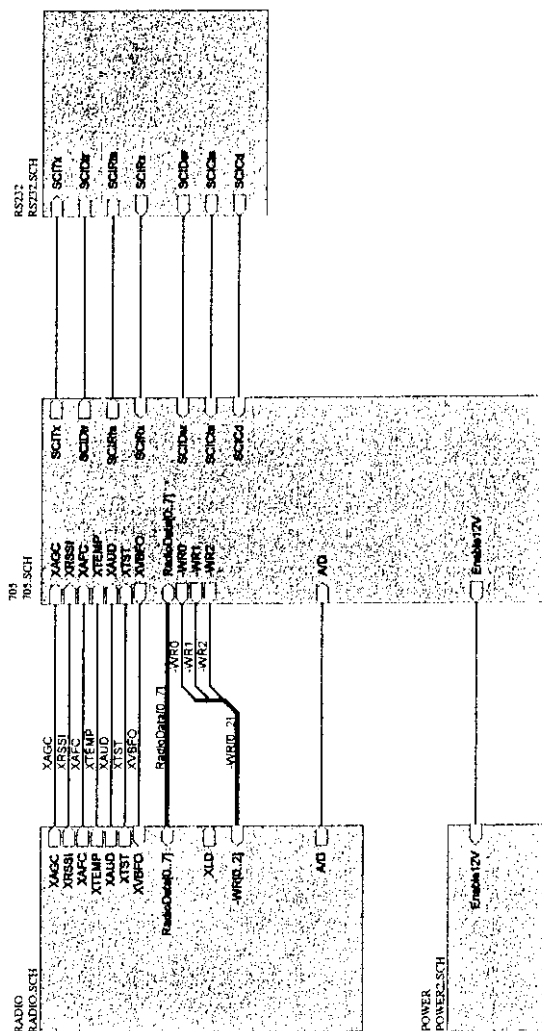
Radcom Laboratories Pty Ltd, 222 St Kilda Road, St Kilda, Victoria 3182, Australia
Tel: 03 9581 1111

CRYSTAL SWITCH

Size	Number	Issue
A3	WS-0102	1
Drawn	11-Mar-1998	Sheet 1 of 1
Rev	W PROTOTYPED CRYSTAL SWITCH BY P R NEBERT	9

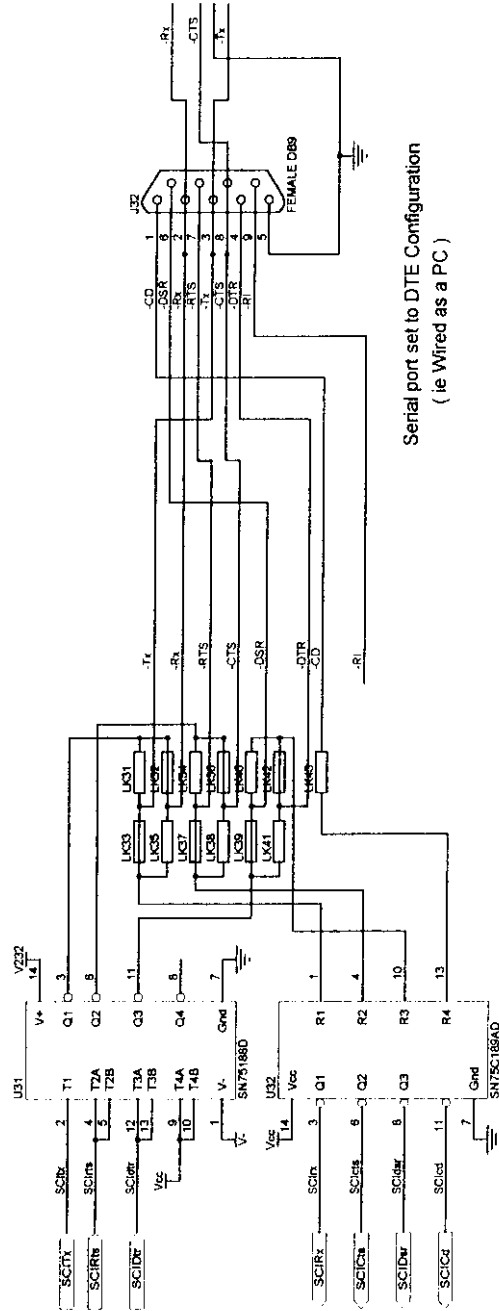
2R-1500

ACC ID : HZL-3REXT



WR-1500e

FCC ID: HNL - WREXT

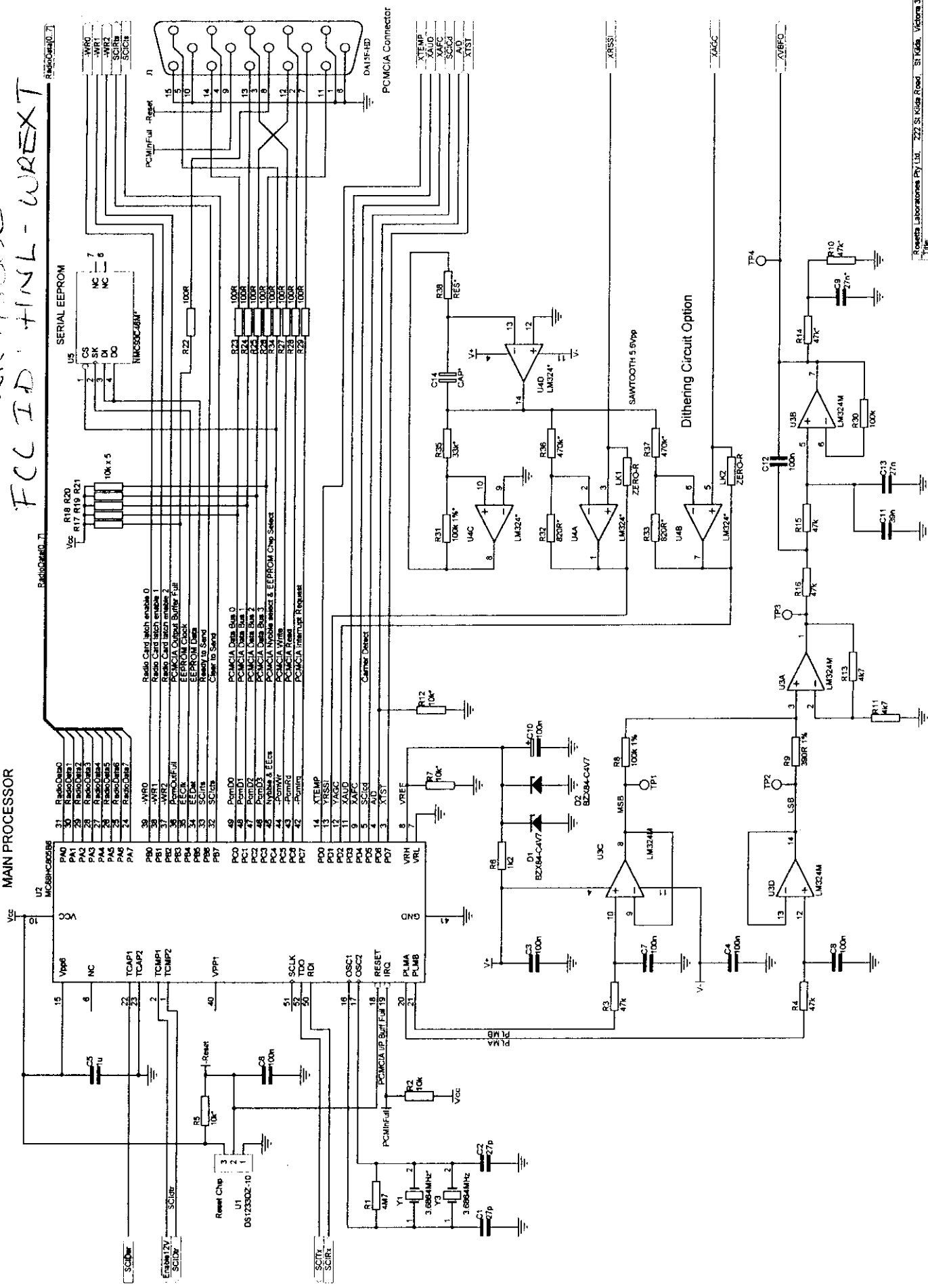


NOTE: LINKS ON THIS SHEET NOT FITTED FOR WR-1100

Rosetta Laboratories Pty Ltd, 227 St Kilda Road, St Kilda, Victoria 3182, Australia			
Title: Serial Communications			
Size: A3	Number: WS-0304	Issue: 1	
Date/Time: 11-May-1988 15:35:53	Sheet: 2 of 5	Drawn By: E. W. C. RICHARDS	
File: W:\PROBACK\EXTACTNS22\SCH			

WR-1500e
FCC ID: TNL-WREXT

MAIN PROCESSOR

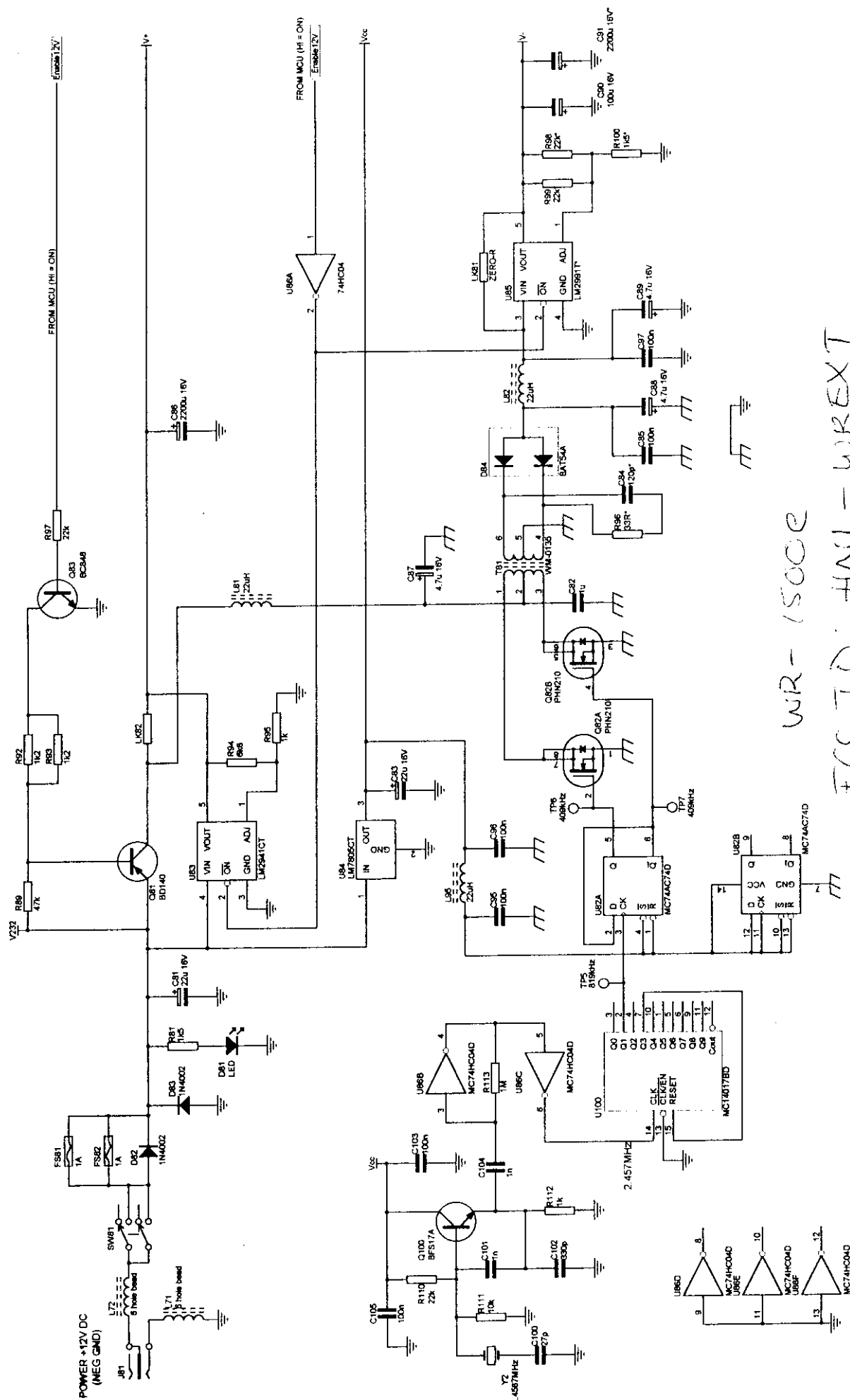


NOTE: ITEMS MARKED WITH AN ASTERISK NOT FITTED FOR WR-1100

WinRadio Basic External Backplane

Size: A3
Number: WS-0304
Issue: 1

Date/Time: 11-May-1998 16:35:48
File: WPROJ\BACK EXT\001705.SCH
Drawn By: E.W.C. RICHARDS



WR-1500
FCC ID: HNL-WRXT

NOTE. ITEMS MARKED WITH AN ASTERISK NOT FITTED FOR WR-1100