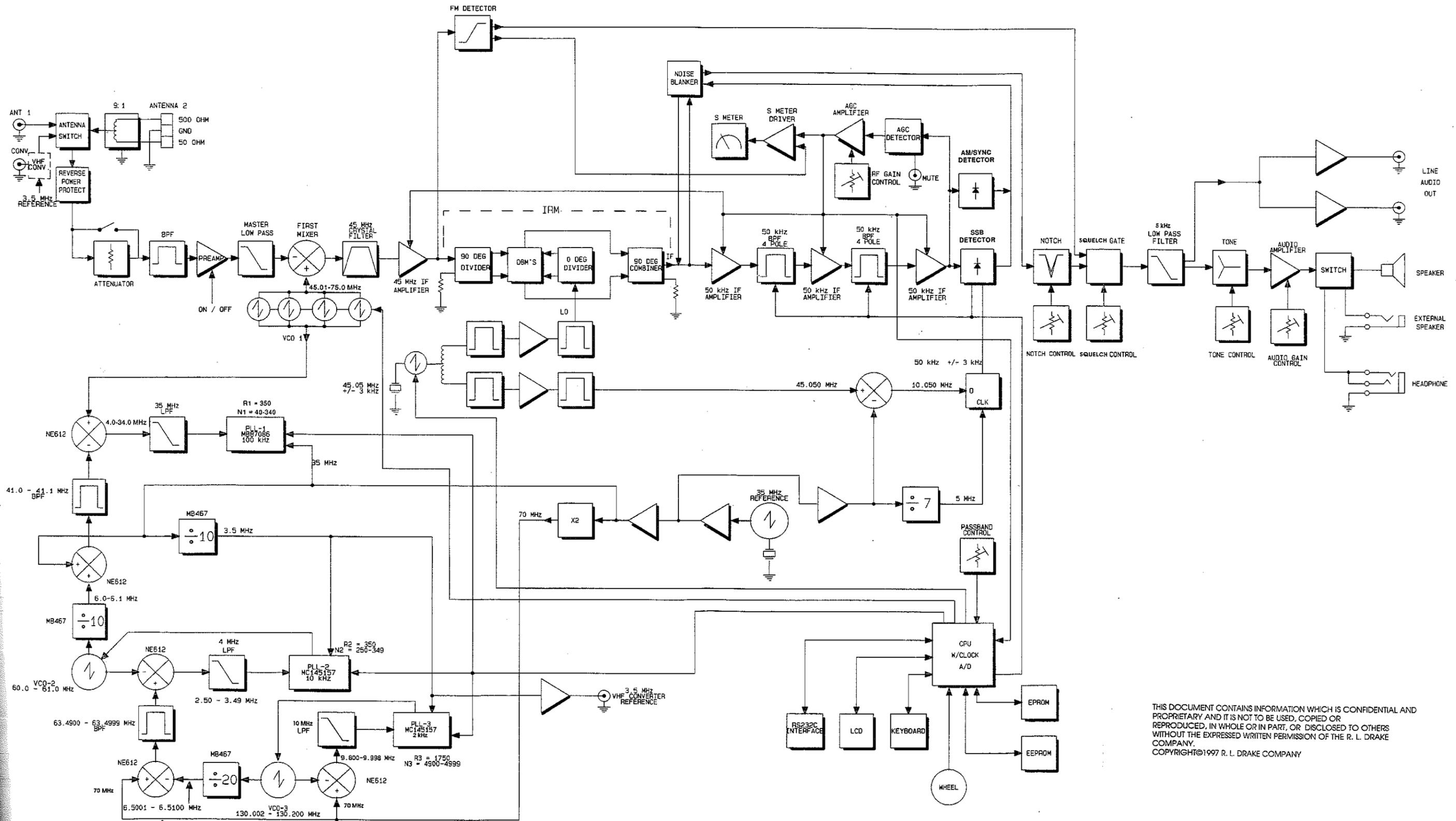
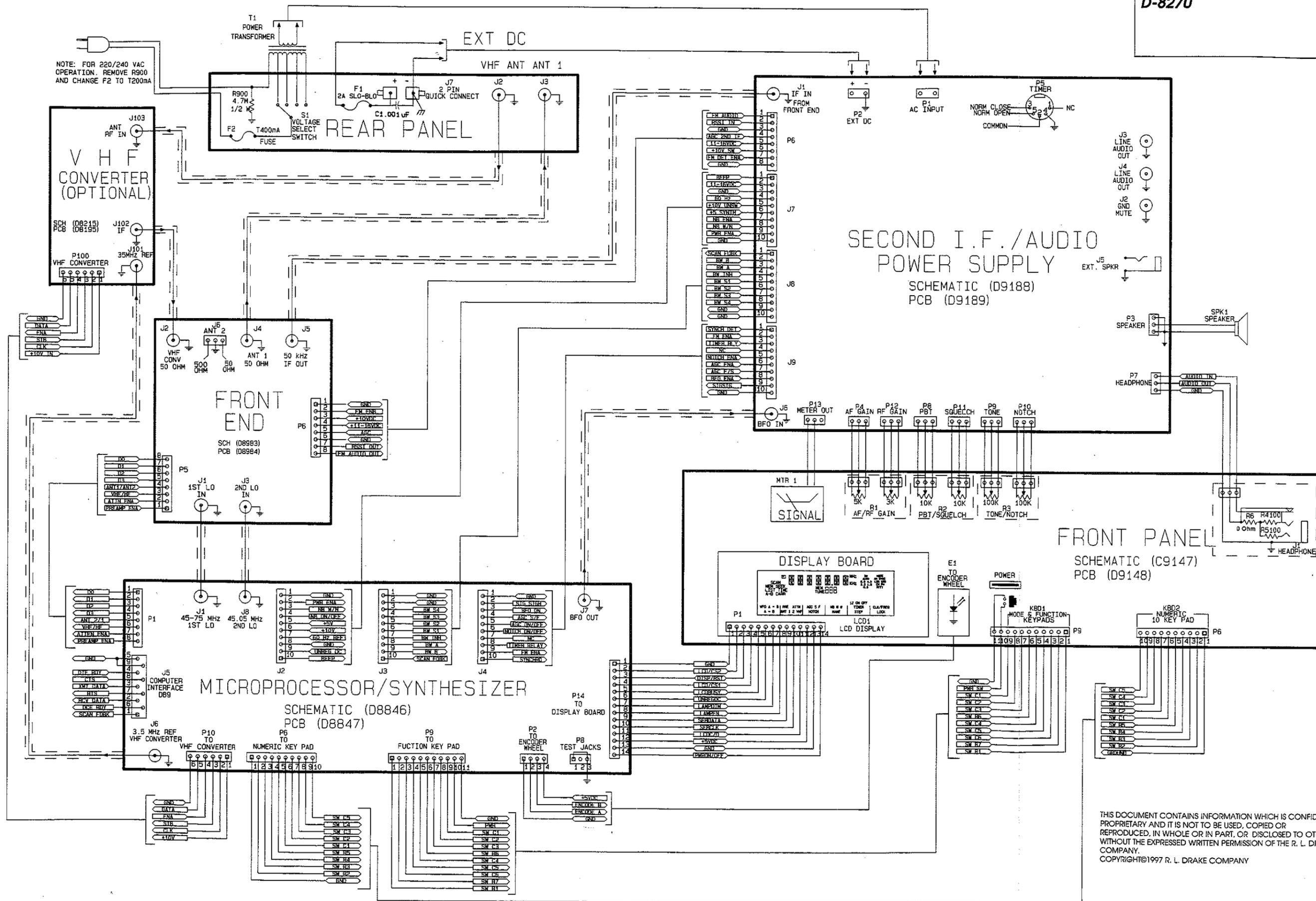


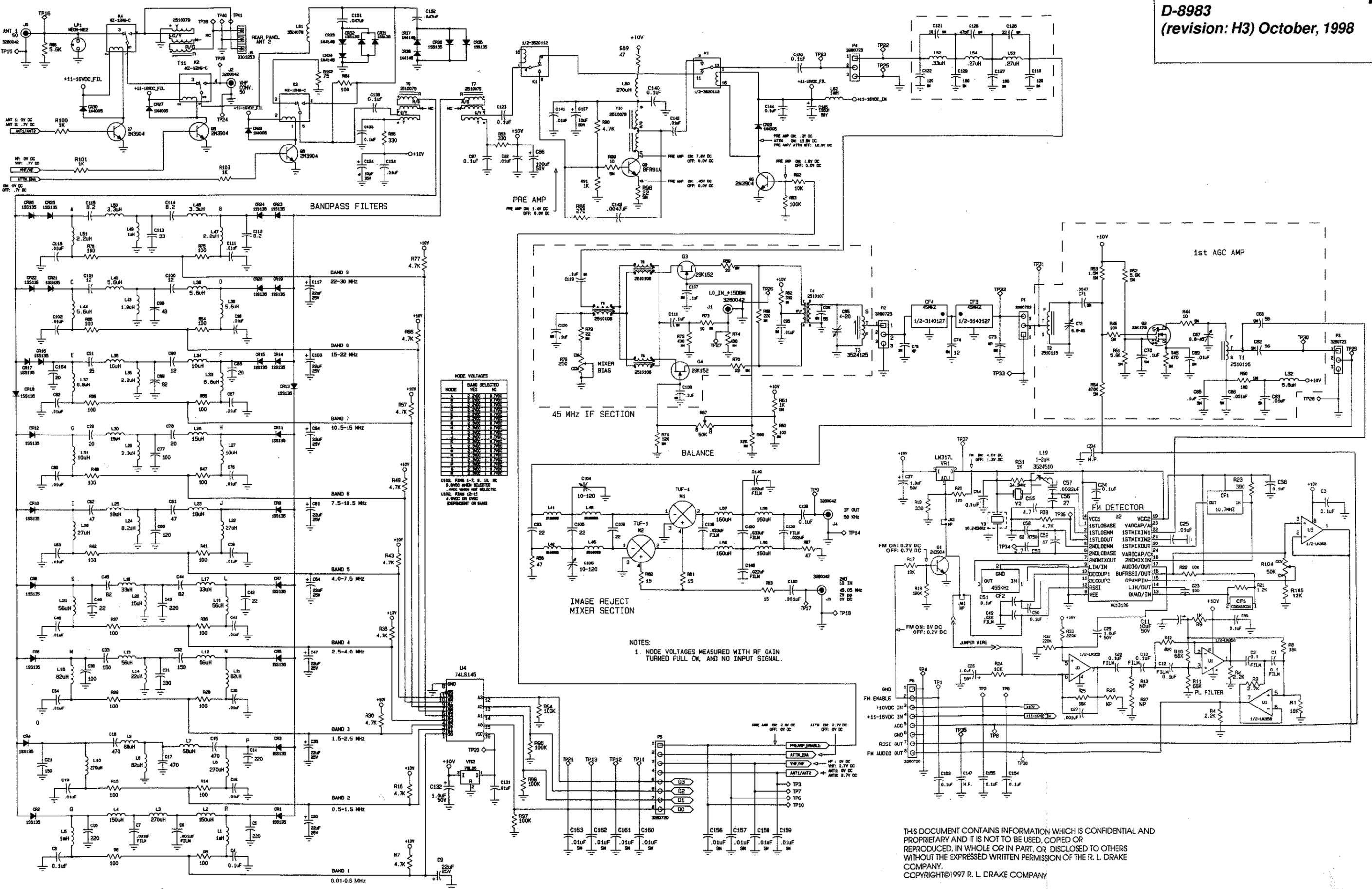
Receiver Block Diagram 9
D-8201



THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY. COPYRIGHT © 1997 R. L. DRAKE COMPANY

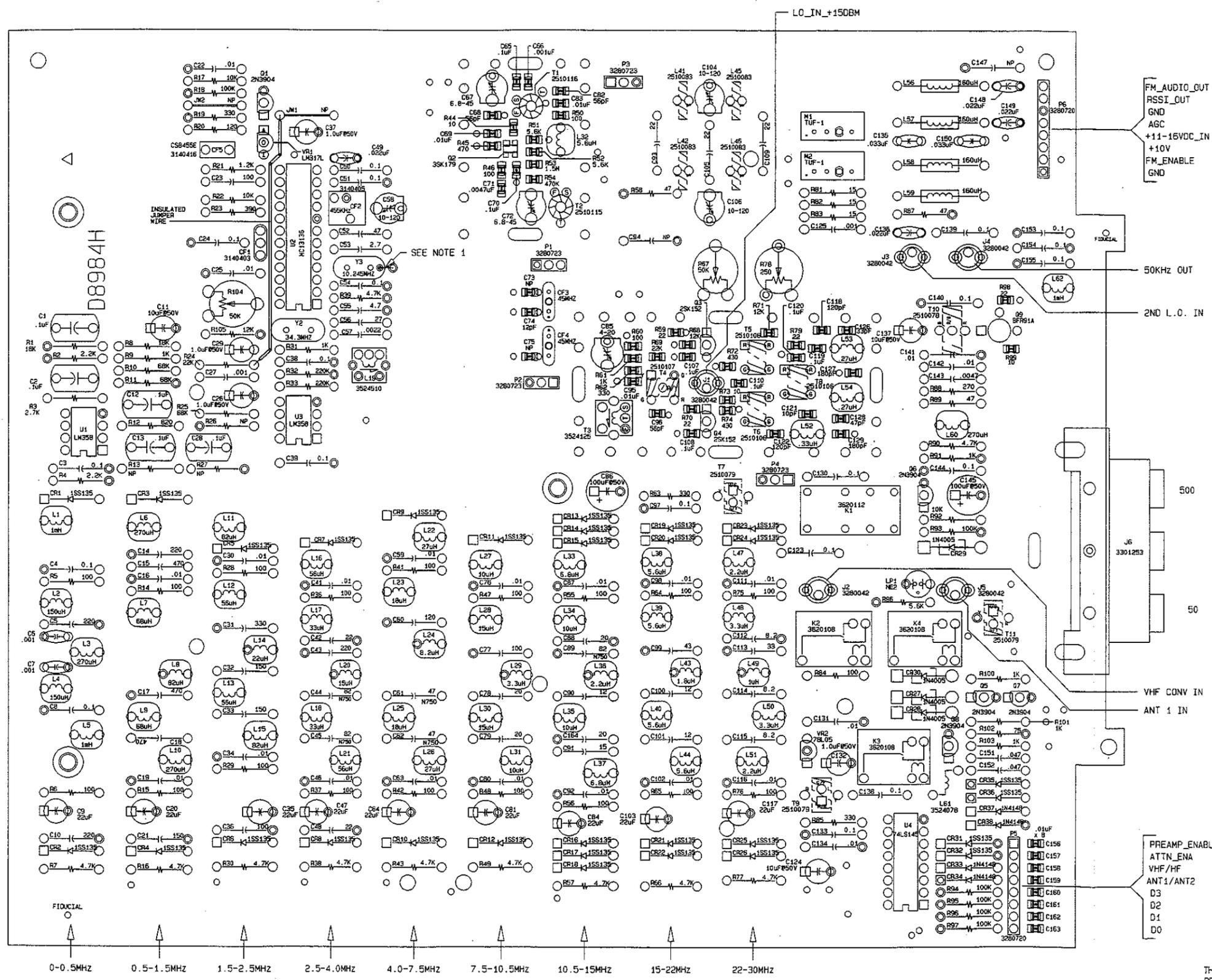


THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT © 1997 R. L. DRAKE COMPANY



THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
 COPYRIGHT©1997 R. L. DRAKE COMPANY

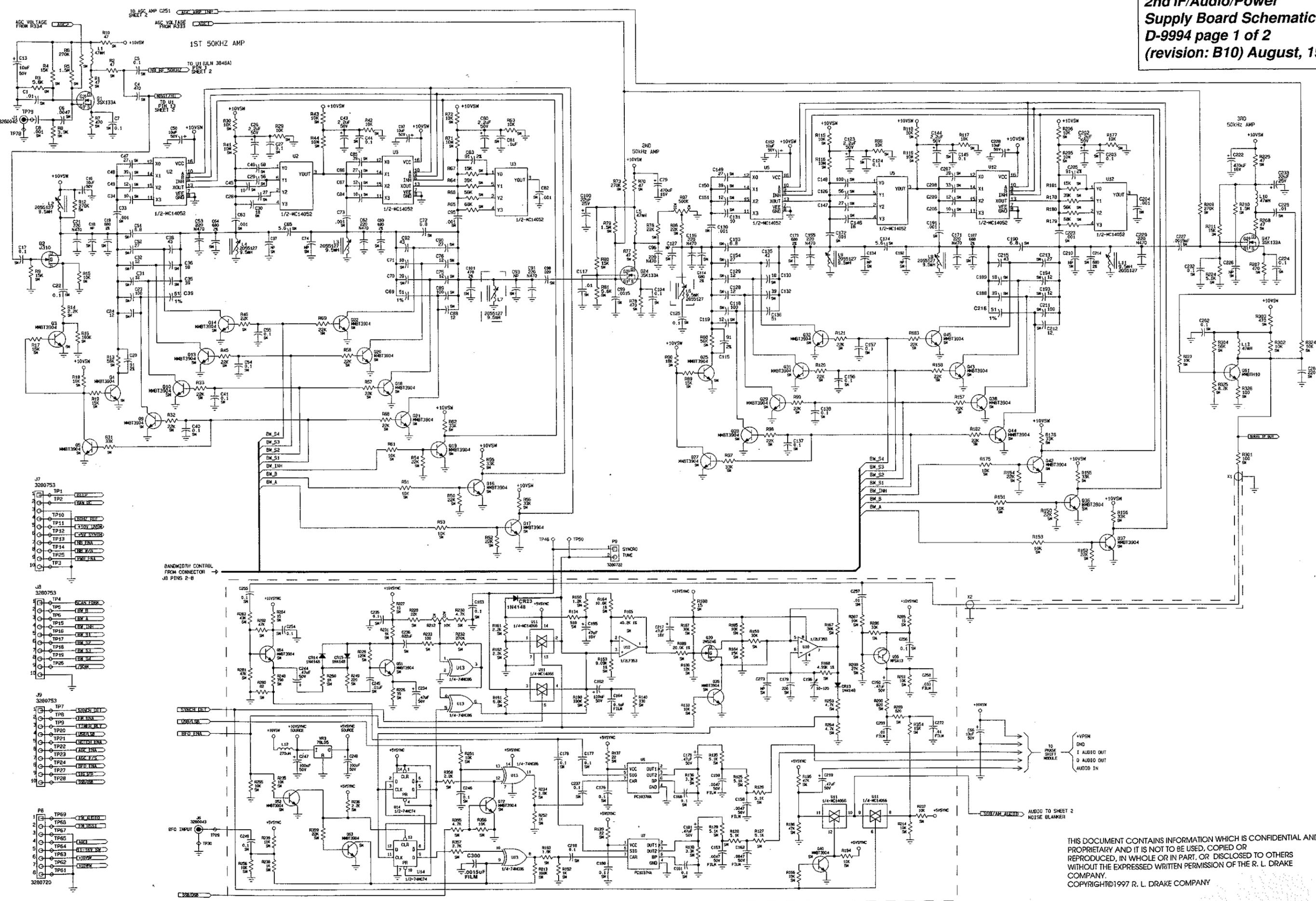
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W



ASSEMBLY NOTES :

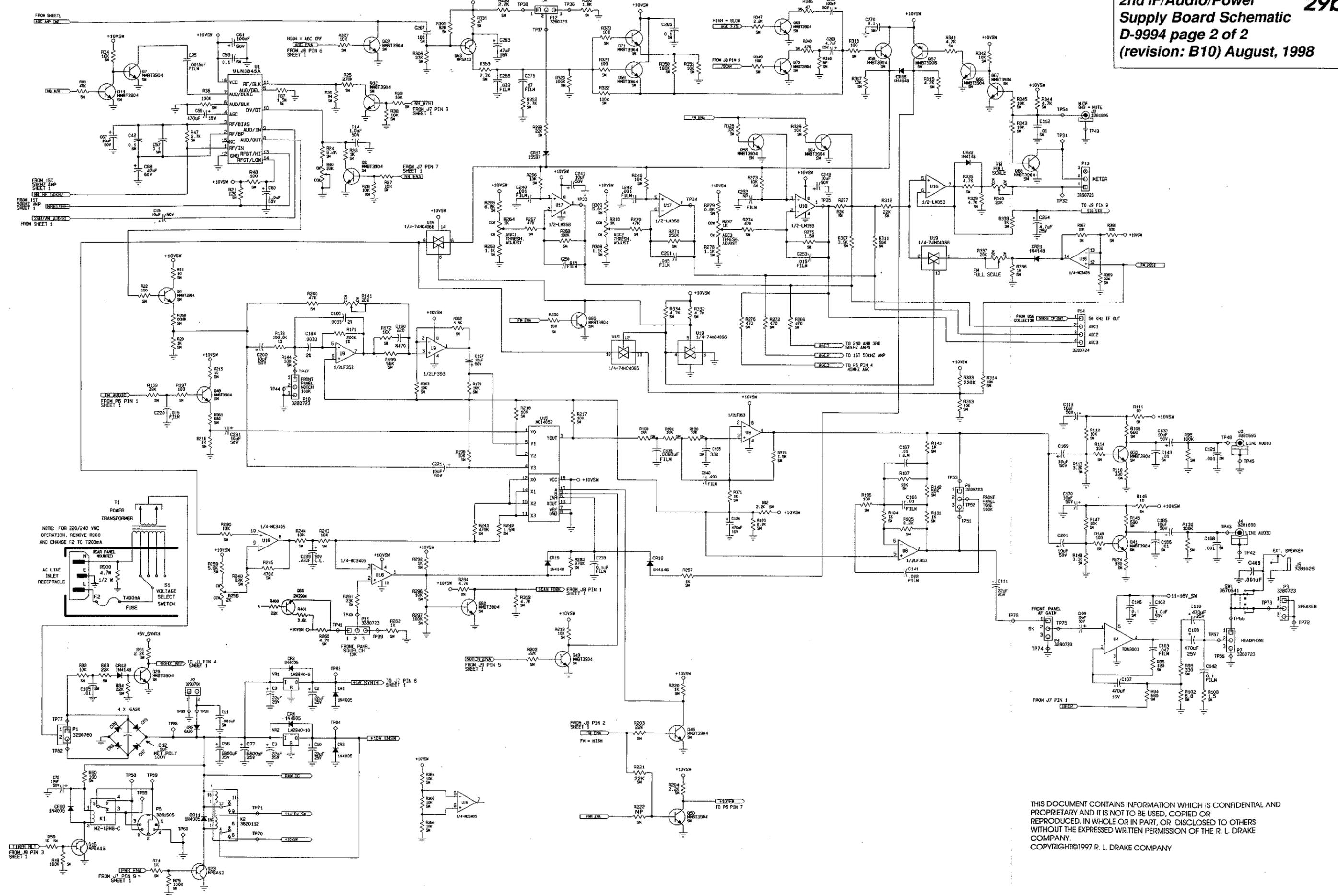
1. TACK SOLDER #22 SOLID WIRE FROM CASE OF Y3 TO GND HOLE.

THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1997 R. L. DRAKE COMPANY



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

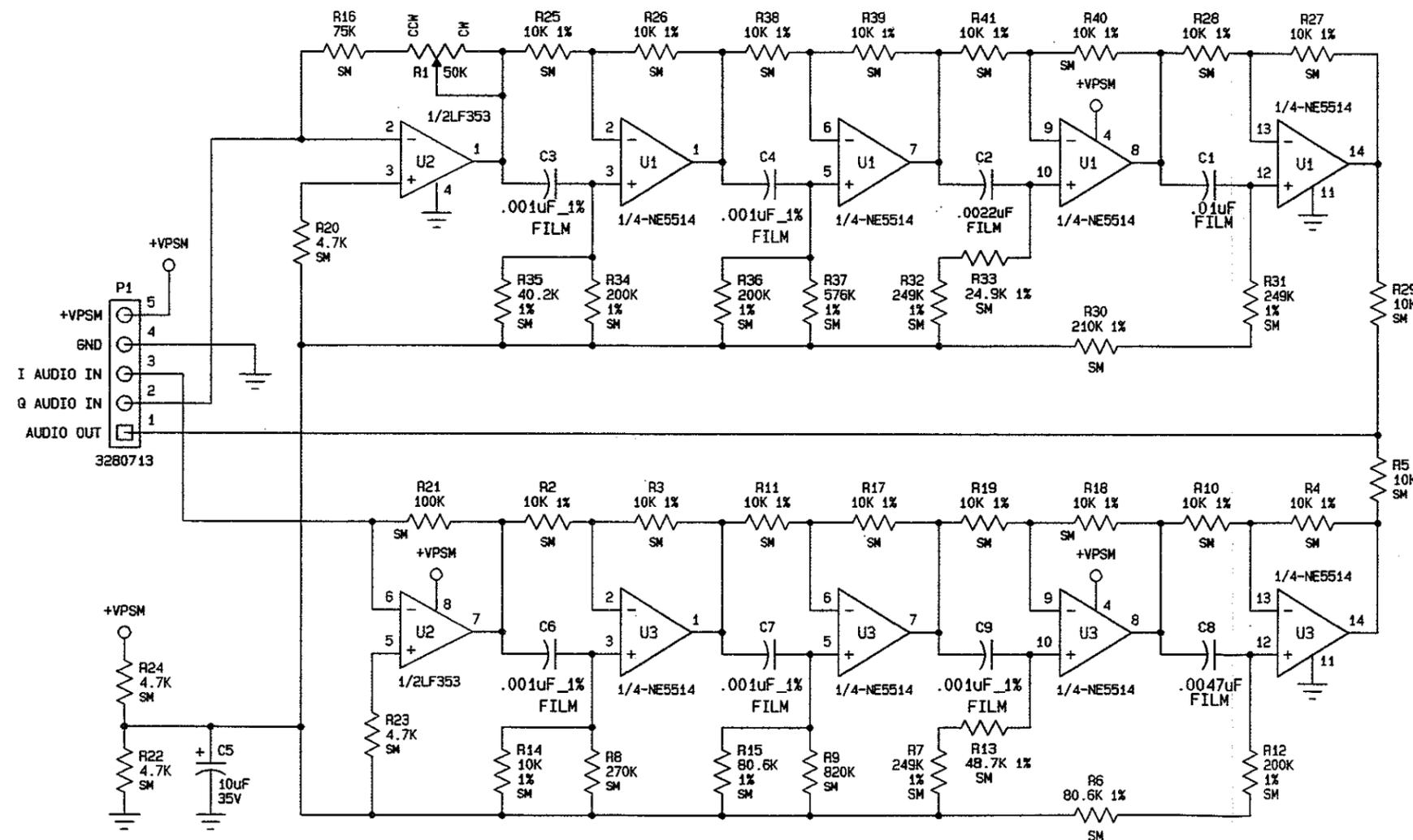
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W



THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1997 R. L. DRAKE COMPANY

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

A
B
C
D
E
F
G
H
J



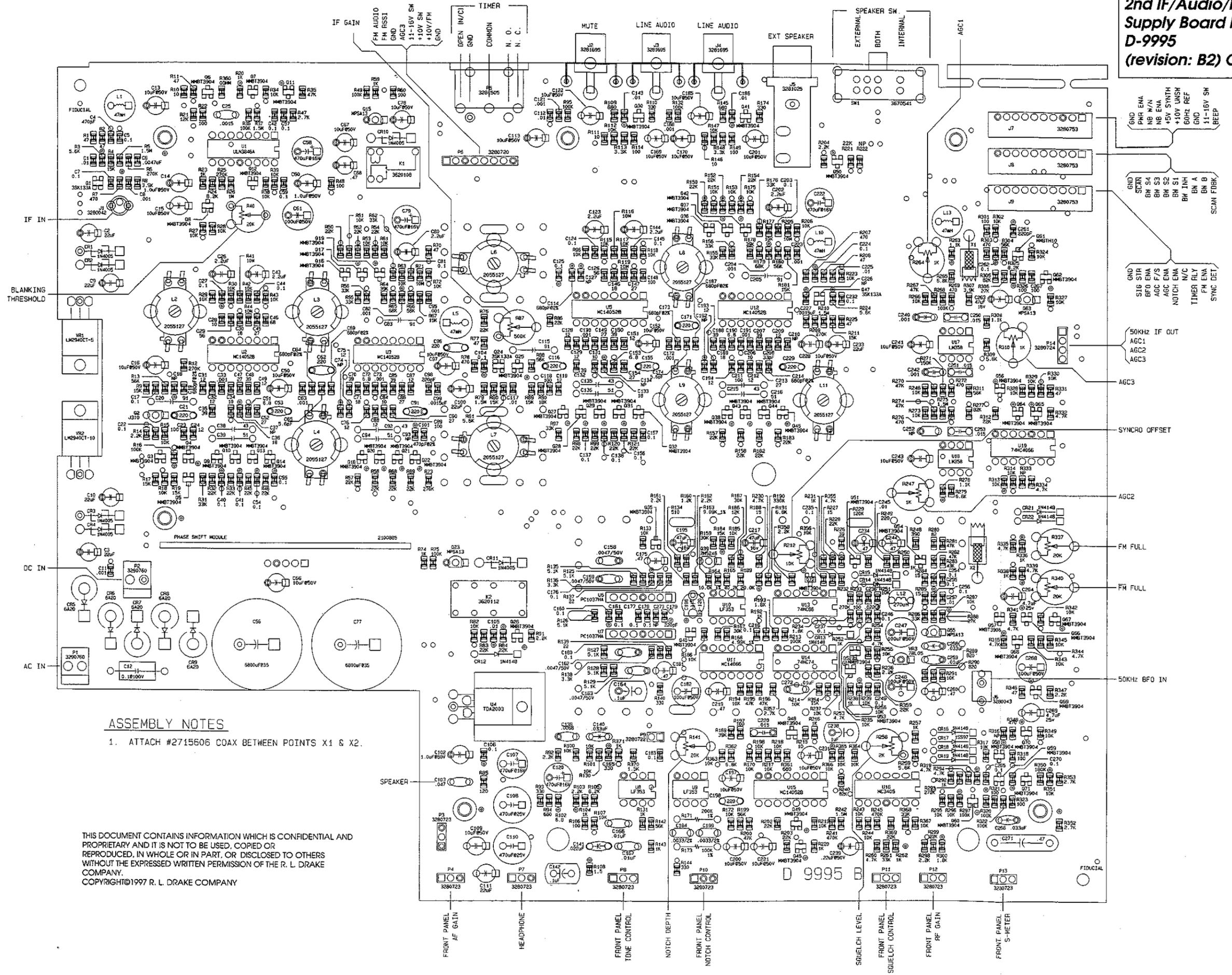
THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1997 R. L. DRAKE COMPANY

2nd IF/Audio/Power Supply Board Pictorial D-9995 (revision: B2) October, 1997

30a

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W



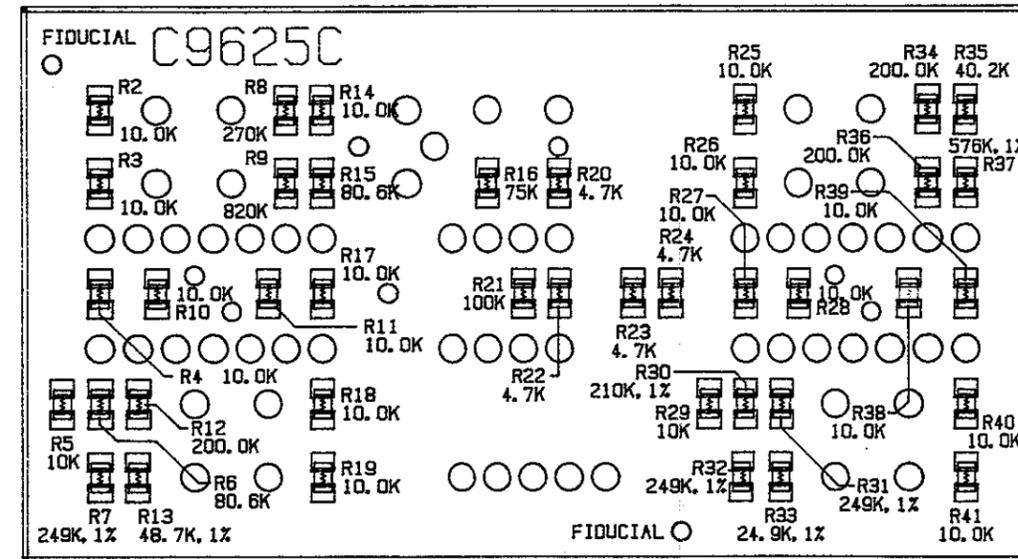
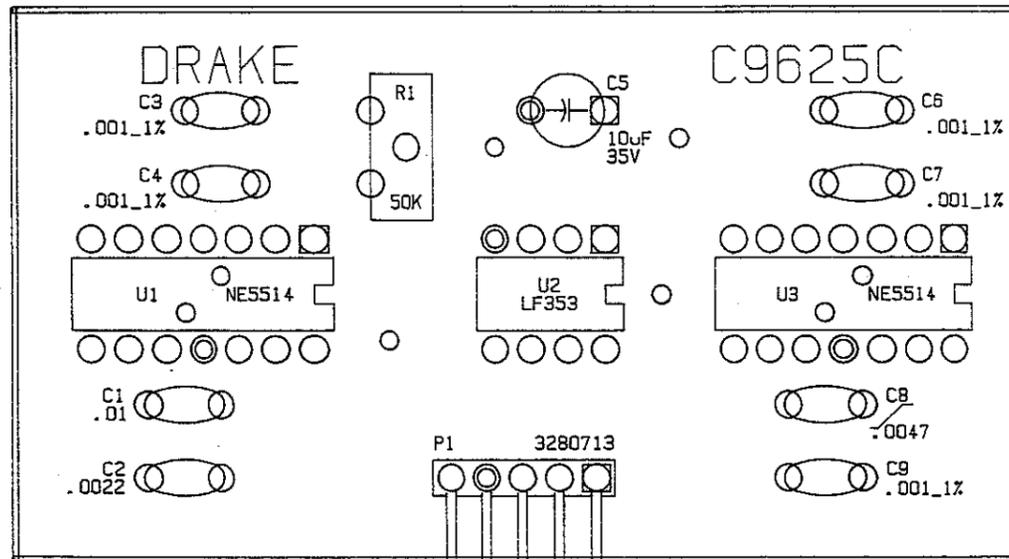
ASSEMBLY NOTES

1. ATTACH #2715606 COAX BETWEEN POINTS X1 & X2.

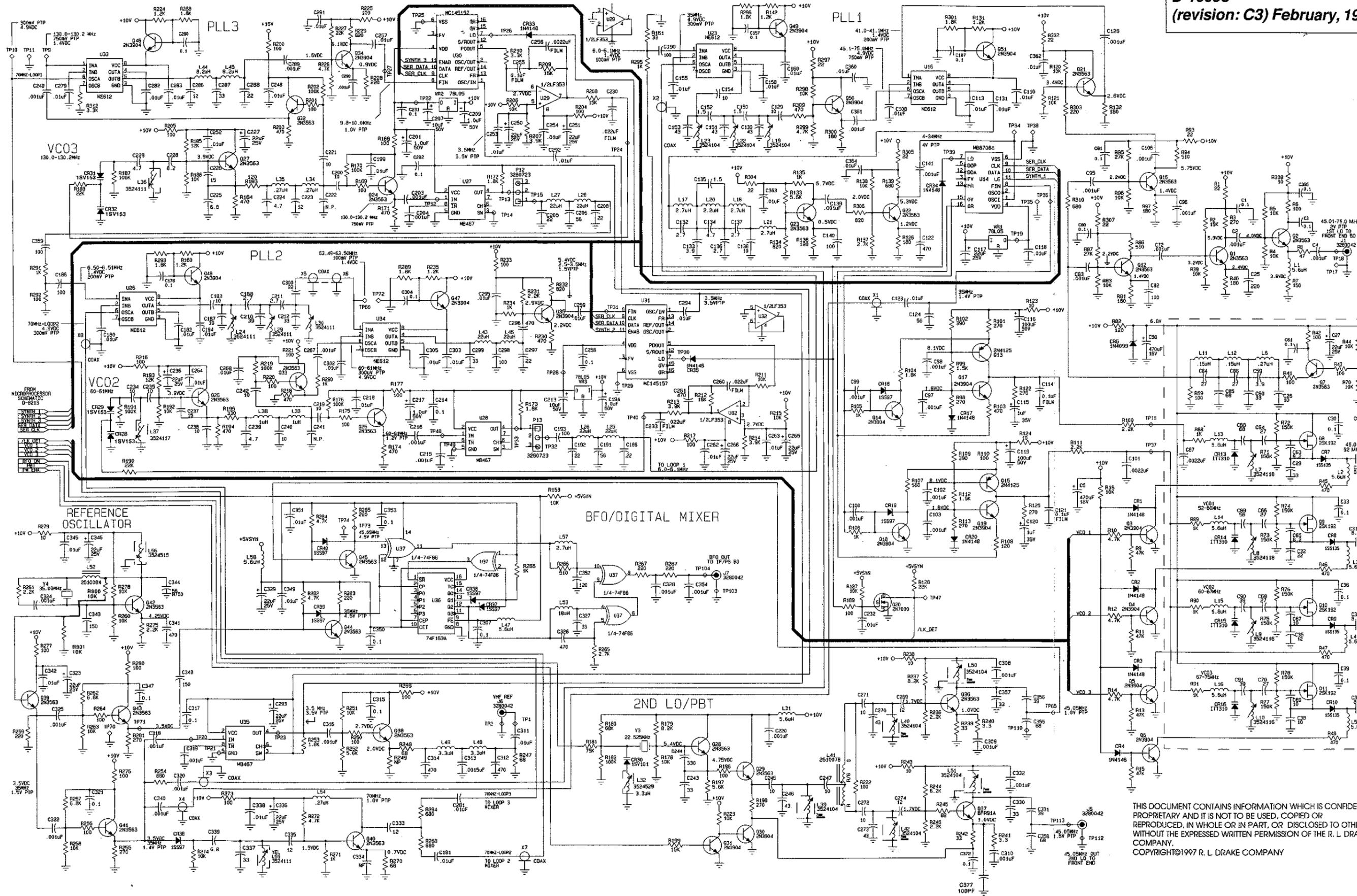
THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
 COPYRIGHT © 1997 R. L. DRAKE COMPANY

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

A
B
C
D
E
F
G
H



THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
 COPYRIGHT©1997 R. L. DRAKE COMPANY

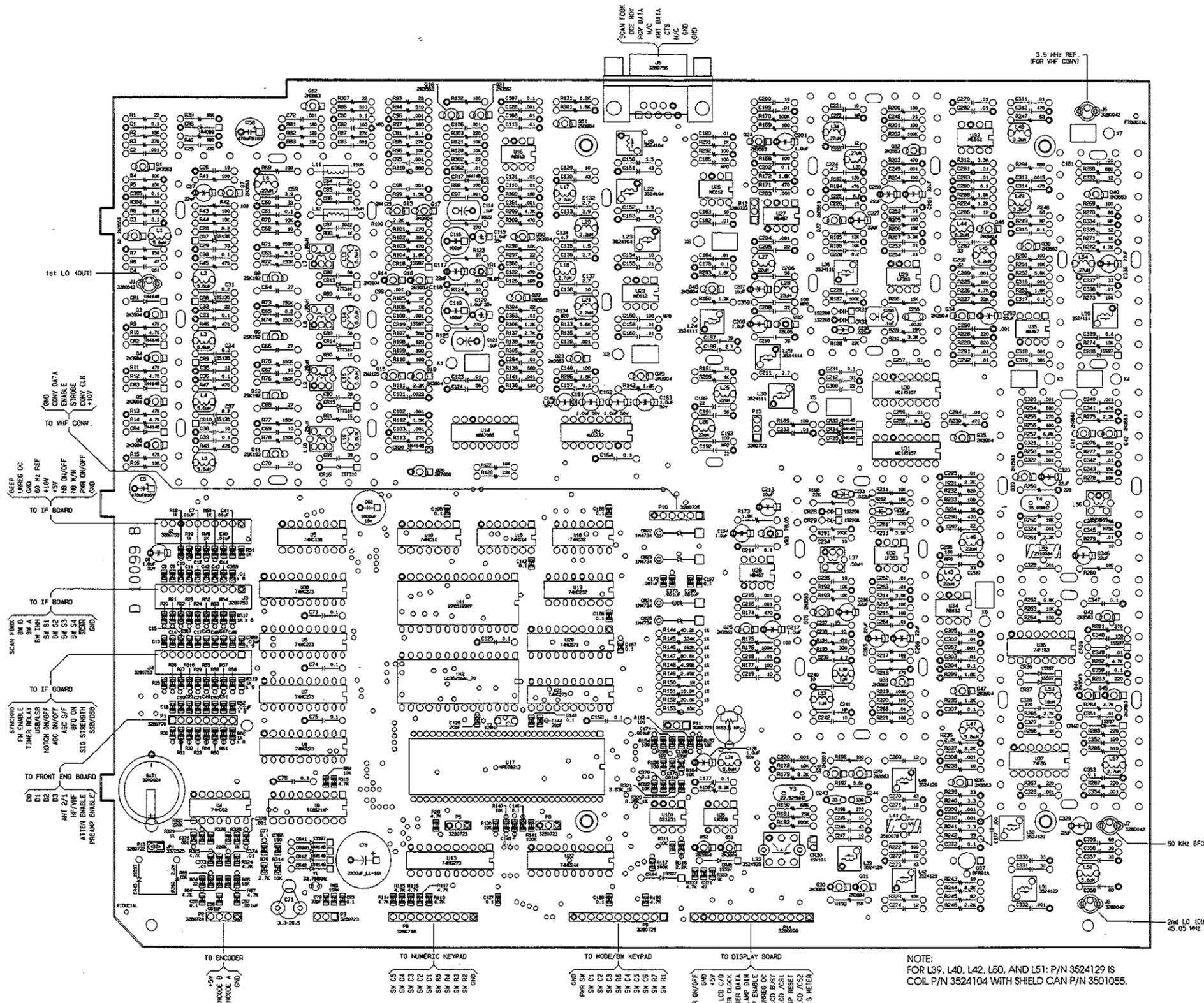


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W

THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1997 R. L. DRAKE COMPANY

Synthesizer/Microprocessor 46
Board Pictorial
D-10099
 (revision: B3) October, 1997

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W

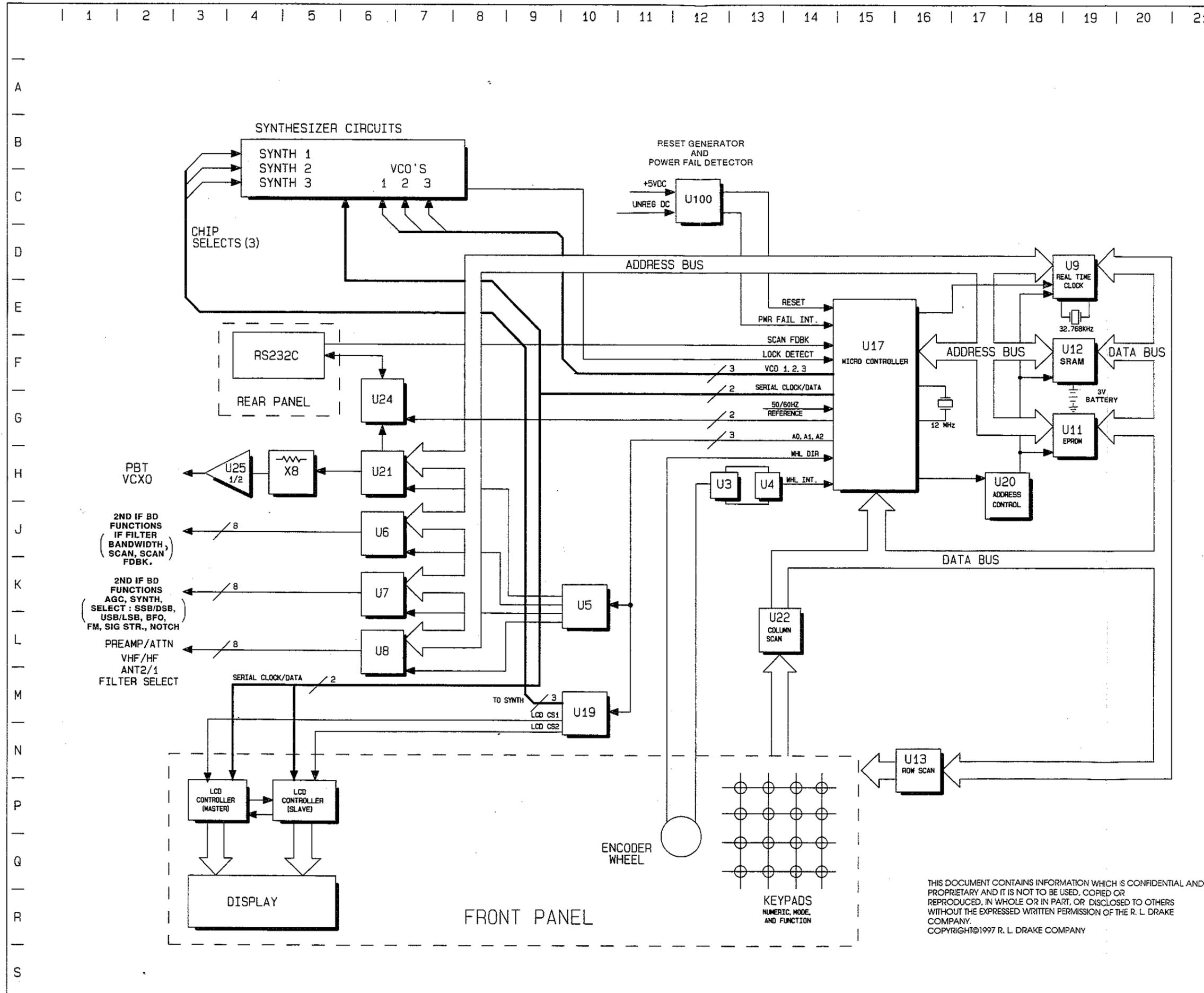


NOTES:

- 1) INSTALL COAX #2715651 BETWEEN SOLDER PADS X1 AND X4.
- 2) INSTALL COAX #2715643 BETWEEN SOLDER PADS X2 AND X3.
- 3) INSTALL COAX #2715648 BETWEEN SOLDER PADS X5 AND X6.
- 4) INSTALL COAX #2715643 BETWEEN SOLDER PADS X7 AND X8.
- 5) SOLDER COAX SHIELDS TO GROUND PLANE PADS AT EACH TERMINATION POINT.
- 6) ALL COAX CABLES TO BE INSTALLED ON COMPONENT SIDE OF BOARD.
- 7) THE FOLLOWING COMPONENTS ARE TO BE INSTALLED WITH COMPONENT BOOTIES SUSPENDED A MINIMUM OF .025" ABOVE THE SURFACE OF THE PC BOARD: C63 THRU C70, C86 THRU C91, C228, C229, C234, C235 & R71 THRU R78.

NOTE:
 FOR L39, L40, L42, L50, AND L51: P/N 3524129 IS
 COIL P/N 3524104 WITH SHIELD CAN P/N 3501055.

THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
 COPYRIGHT©1997 R. L. DRAKE COMPANY



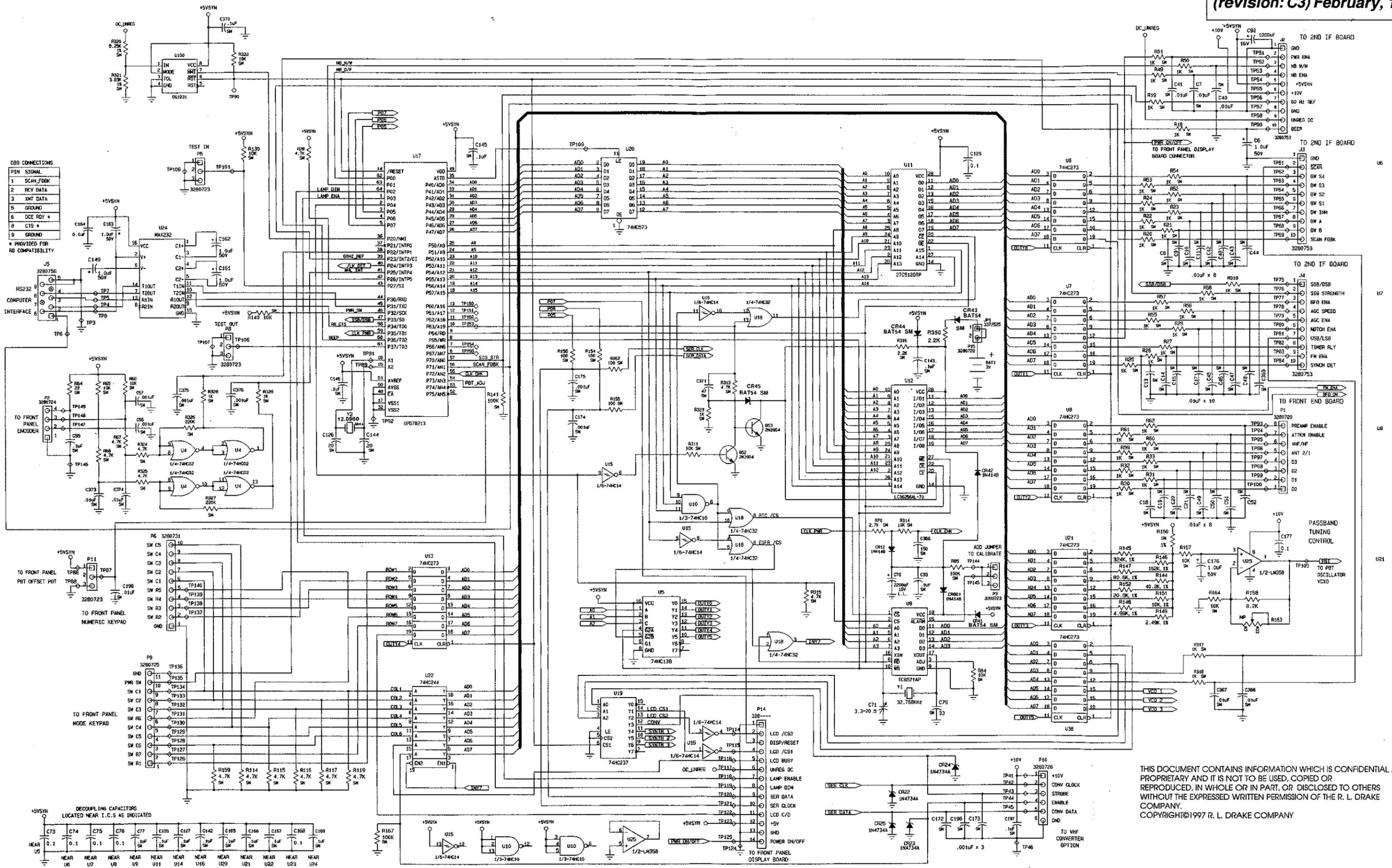
THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY. COPYRIGHT©1997 R. L. DRAKE COMPANY

Microprocessor Circuits 50

Schematic

D-10098

(revision: C3) February, 1999



DB9 CONNECTIONS

DB9 SIGNAL	1	2	3	4	5	6	7	8	9
SCAN_FDBK									
RCV_DATA									
XMT_DATA									
GROUND									
DCE_RDY #									
CIS #									
GROUND									

* PROVIDED FOR RS COMPATIBILITY

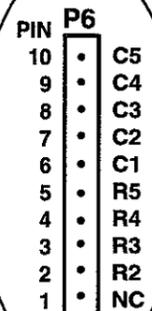
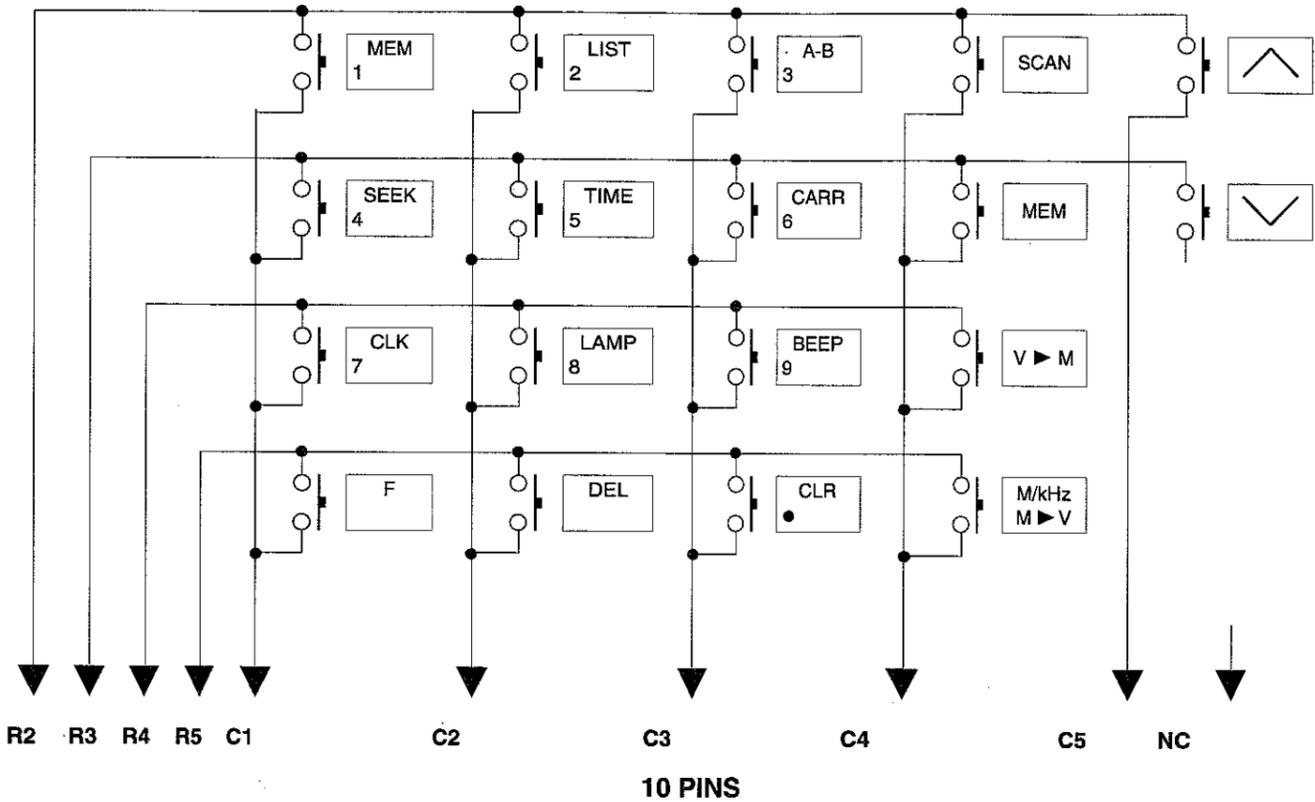
DECOUPLING CAPACITORS
LOCATED NEAR I.C.S AS INDICATED

IC	Value
U5	0.1
U6	0.1
U7	0.1
U8	0.1
U9	0.1
U11	0.1
U14	0.1
U16	0.1
U18	0.1
U20	0.1
U21	0.1
U22	0.1
U23	0.1
U24	0.1

THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1997 R. L. DRAKE COMPANY

54 Keyboard Switch Matrix Diagram

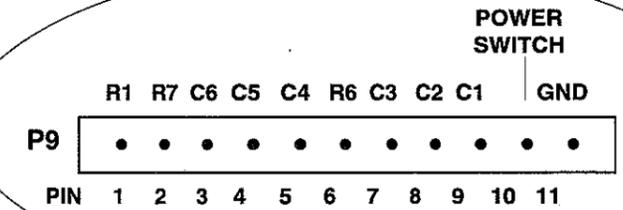
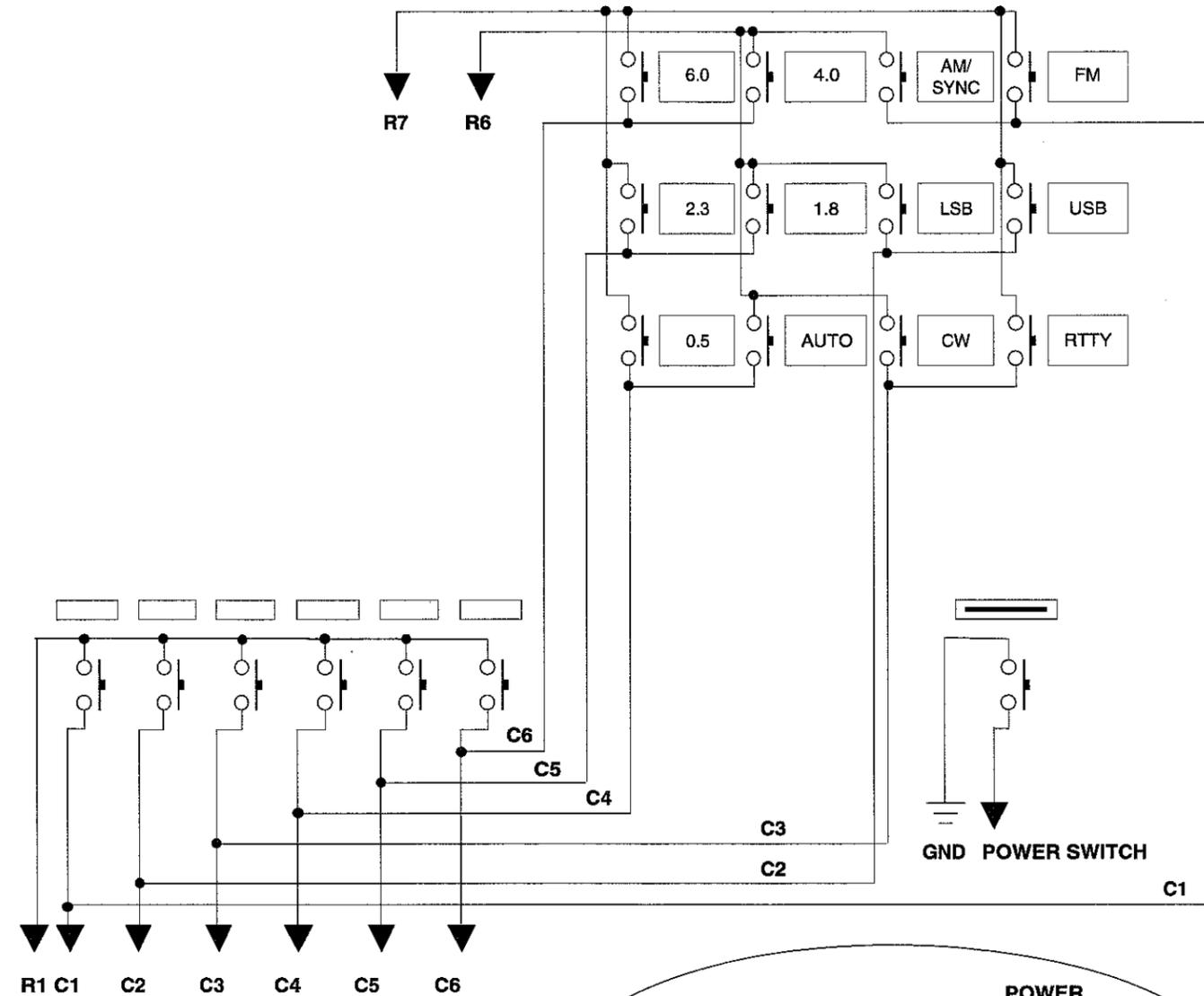
FRONT PANEL NUMERIC KEYPAD
18 Keypad Schematic - PC Art: C - 9233



REAR VIEW OF PC BOARD

Keyboard Switch Matrix Diagram 55

FRONT PANEL MODE AND FUNCTION KEYPAD
12 Keypad Schematic - PC Art: C - 9233

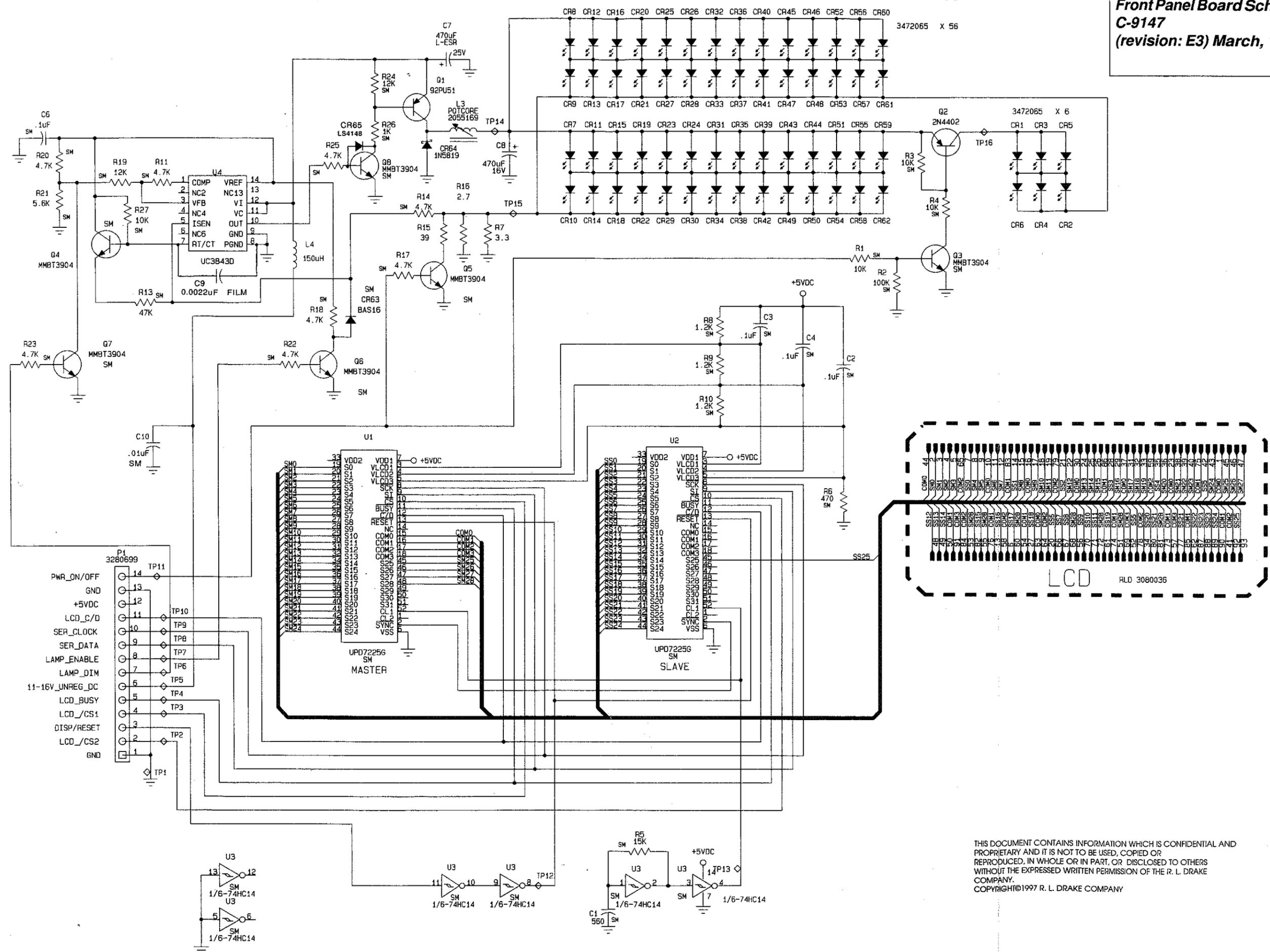


REAR VIEW OF PC BOARD

Front Panel Board Schematic 57
C-9147
(revision: E3) March, 1999

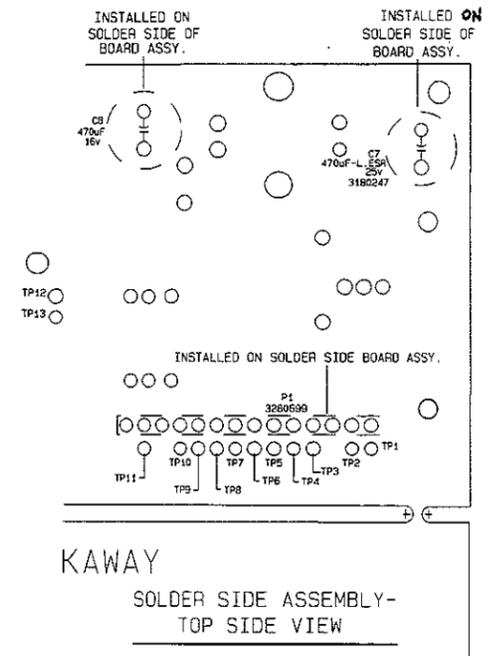
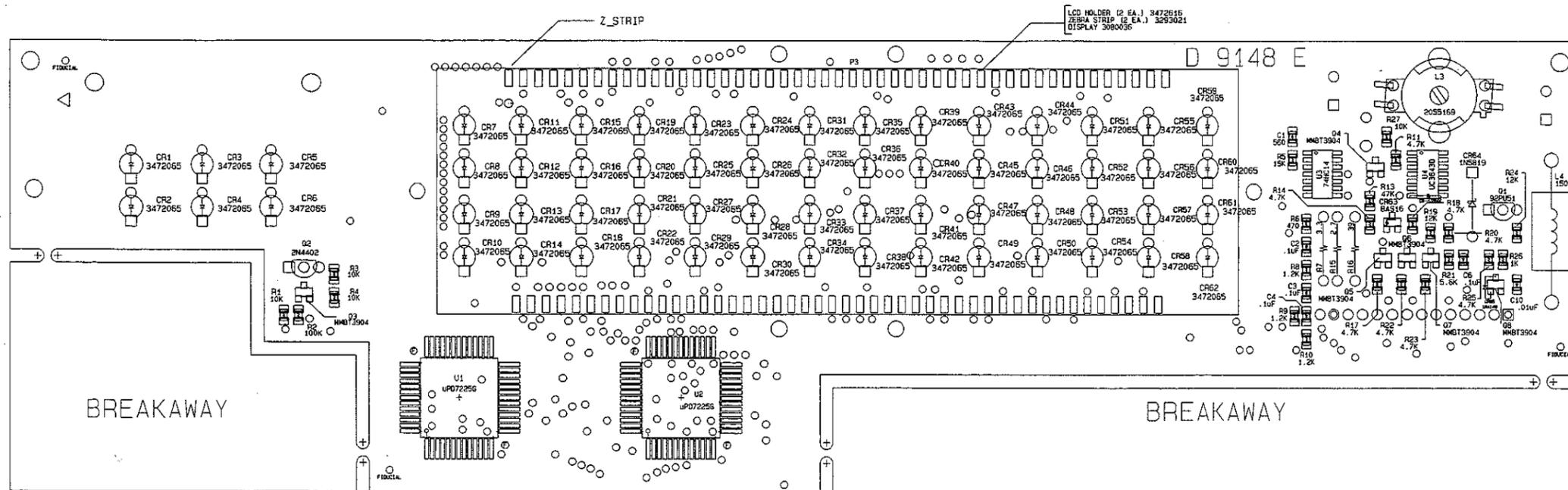
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15



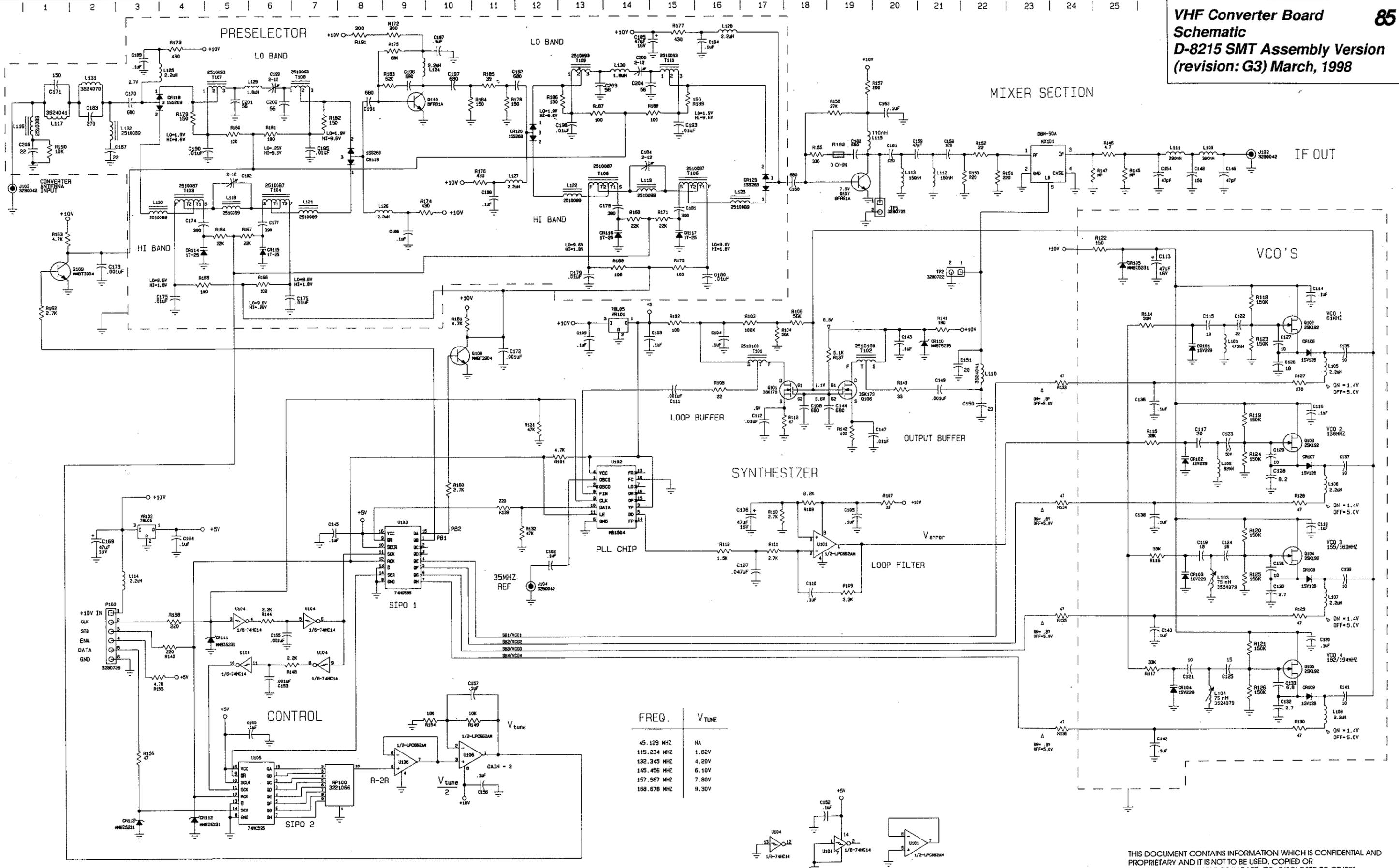
THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY. COPYRIGHT©1997 R. L. DRAKE COMPANY

A
B
C
D
E
F
G
H
I
J



THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY.
COPYRIGHT©1995 R. L. DRAKE COMPANY

VHF Converter Board Schematic D-8215 SMT Assembly Version (revision: G3) March, 1998 85



FREQ.	V TUNE
45.123 MHz	NA
115.234 MHz	1.62V
132.345 MHz	4.20V
145.456 MHz	6.10V
157.567 MHz	7.80V
168.678 MHz	9.30V

THIS DOCUMENT CONTAINS INFORMATION WHICH IS CONFIDENTIAL AND PROPRIETARY AND IT IS NOT TO BE USED, COPIED OR REPRODUCED, IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE R. L. DRAKE COMPANY. COPYRIGHT © 1997 R. L. DRAKE COMPANY.

