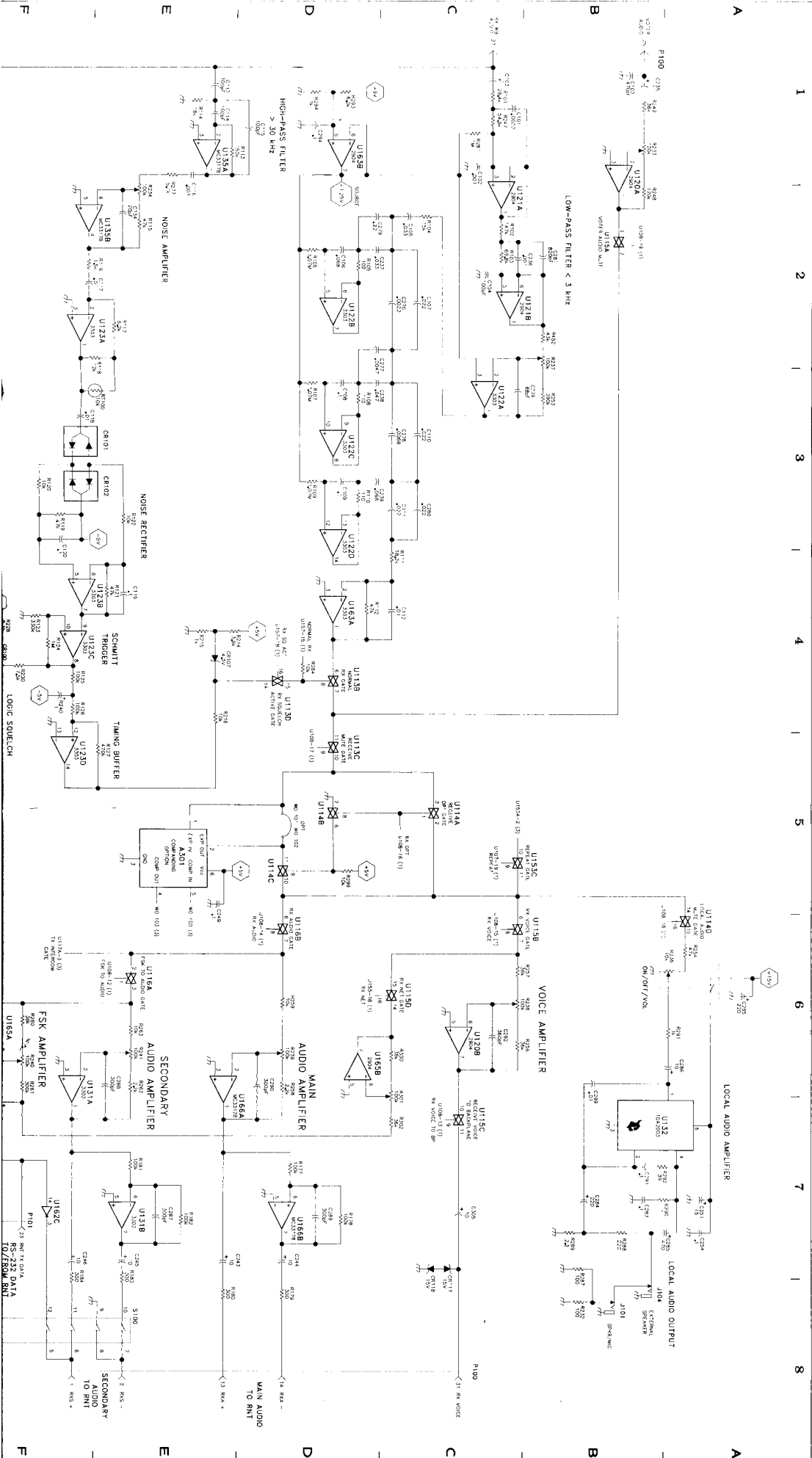
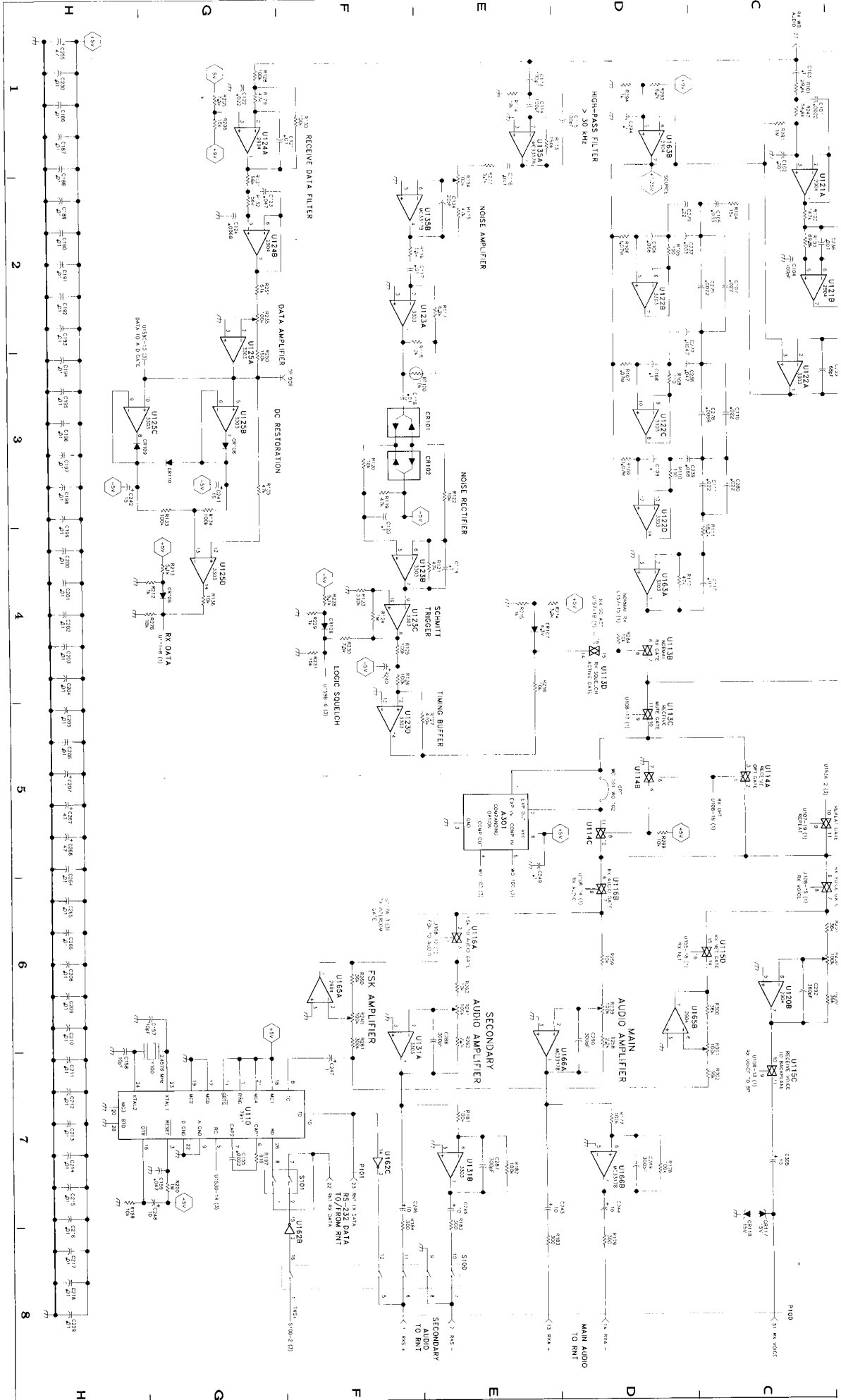
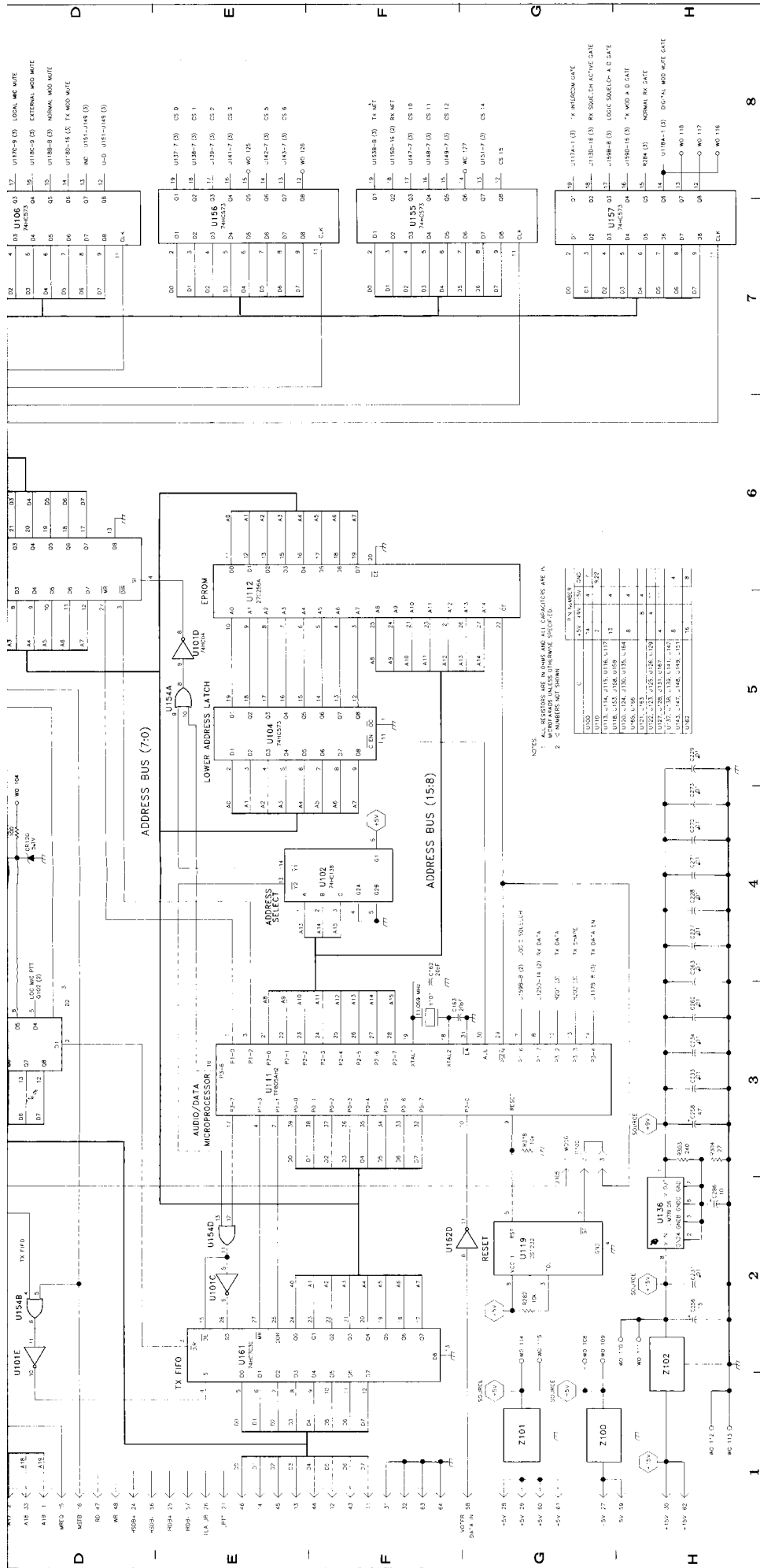


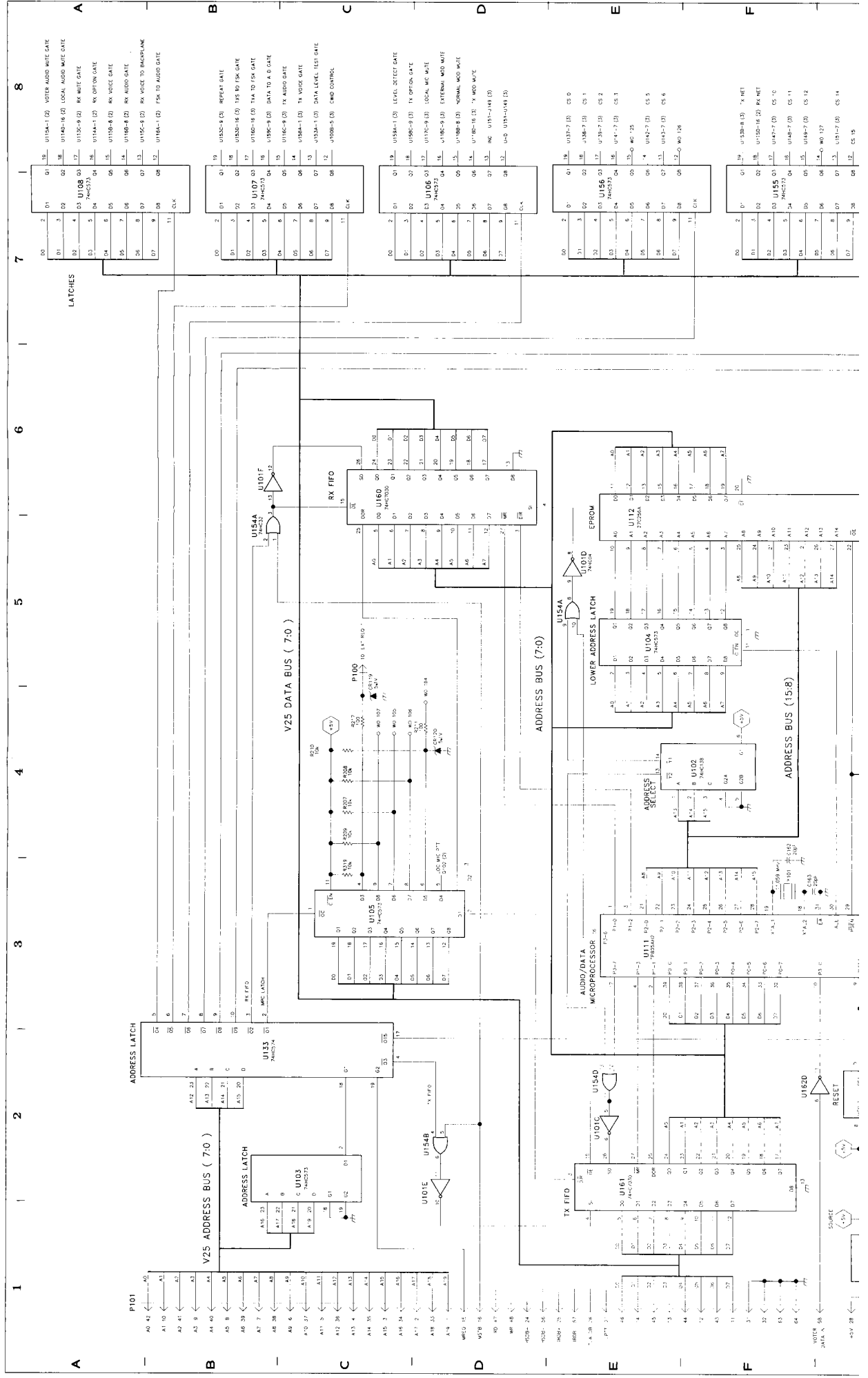


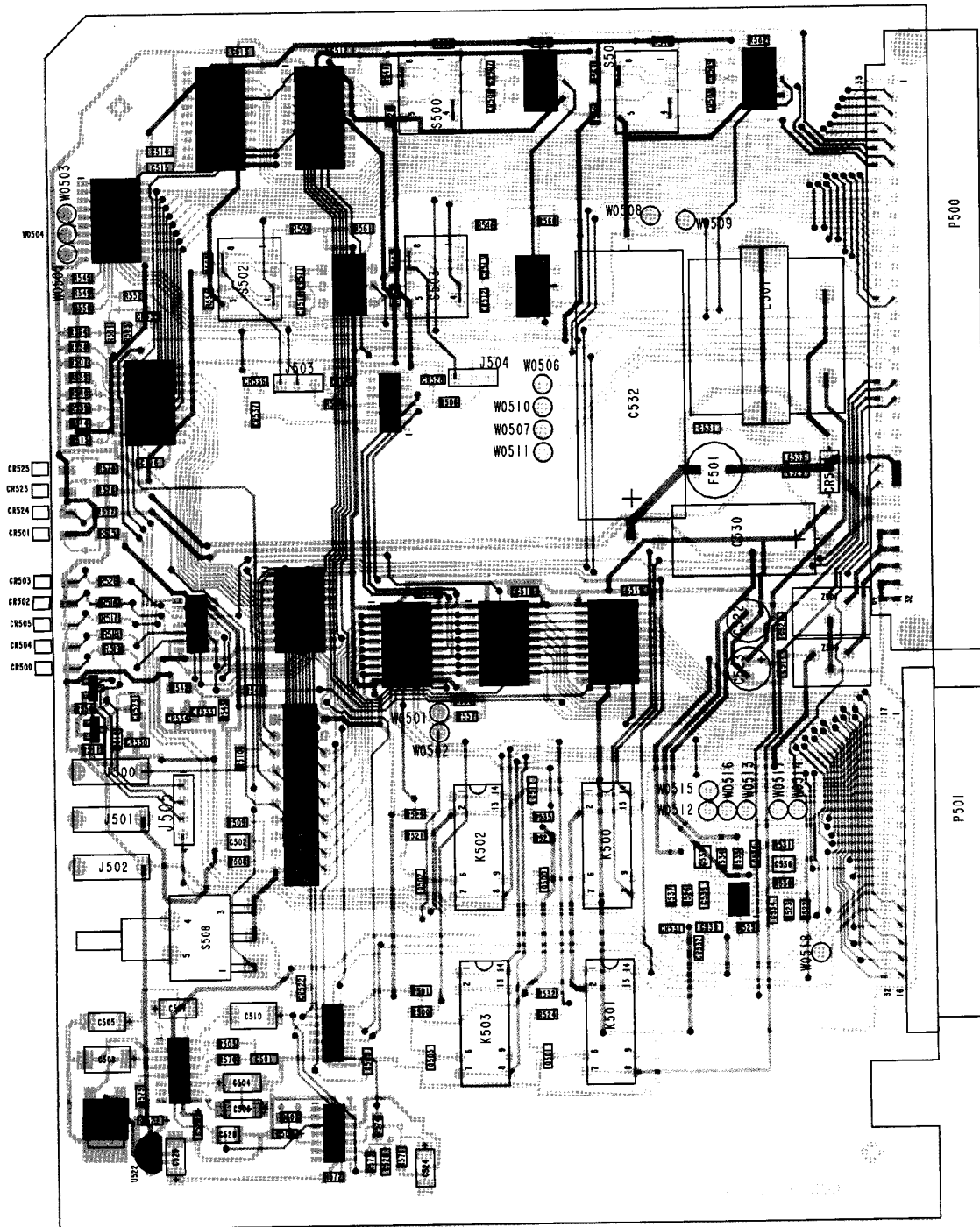


MAIN AUDIO CARD SCHEMATIC (2 OF 3)
FIGURE 10-30

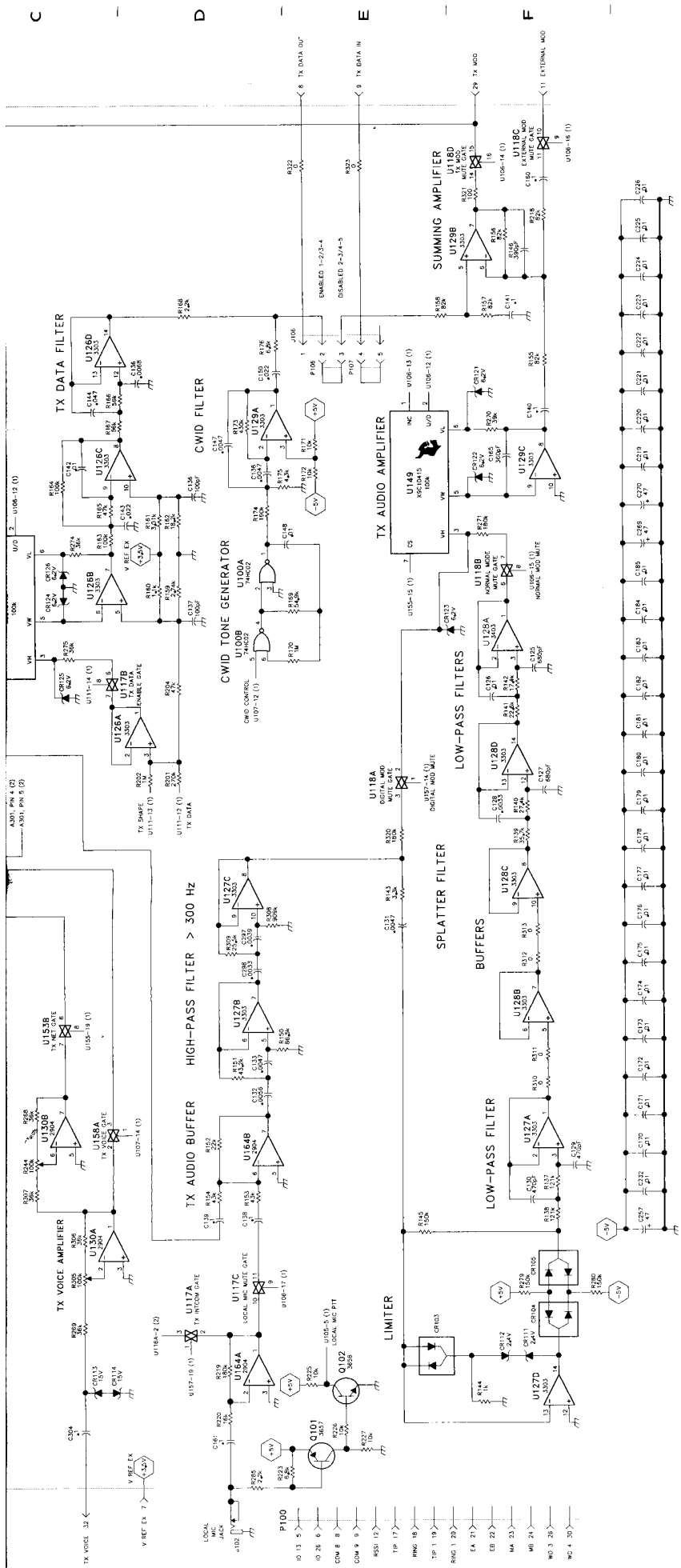


MAIN AUDIO CARD SCHEMATIC (1 OF 3)
FIGURE 10-29





INTERFACE ALARM CARD COMPONENT LAYOUT
FIGURE 10-32

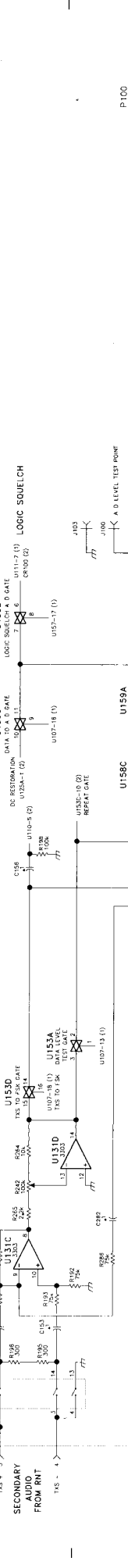


MAIN AUDIO CARD SCHEMATIC (3 OF 3)
FIGURE 10-31

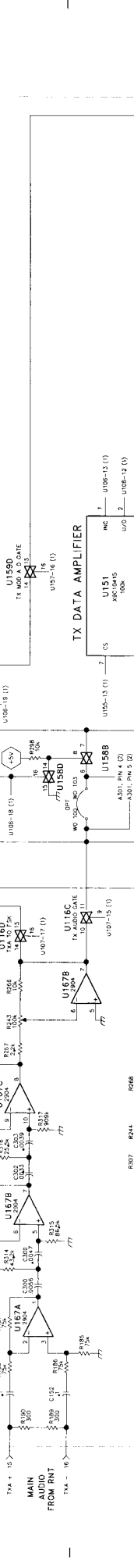
1 2 3 4 5 6 7 8

AUDIO AMPLIFIER

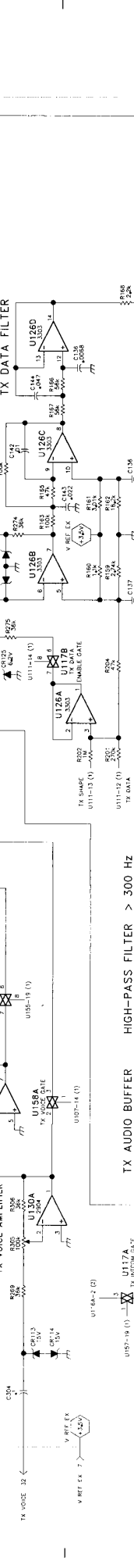
A



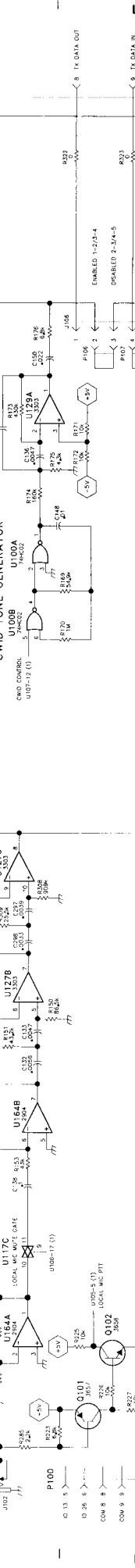
B



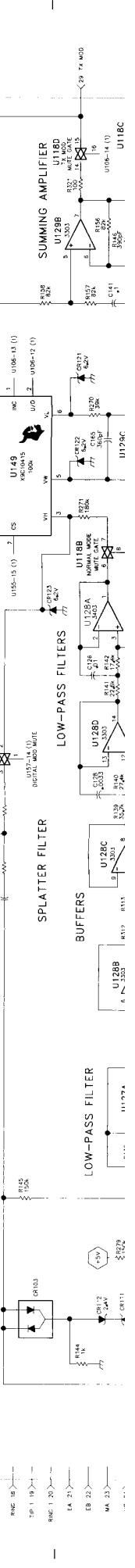
C

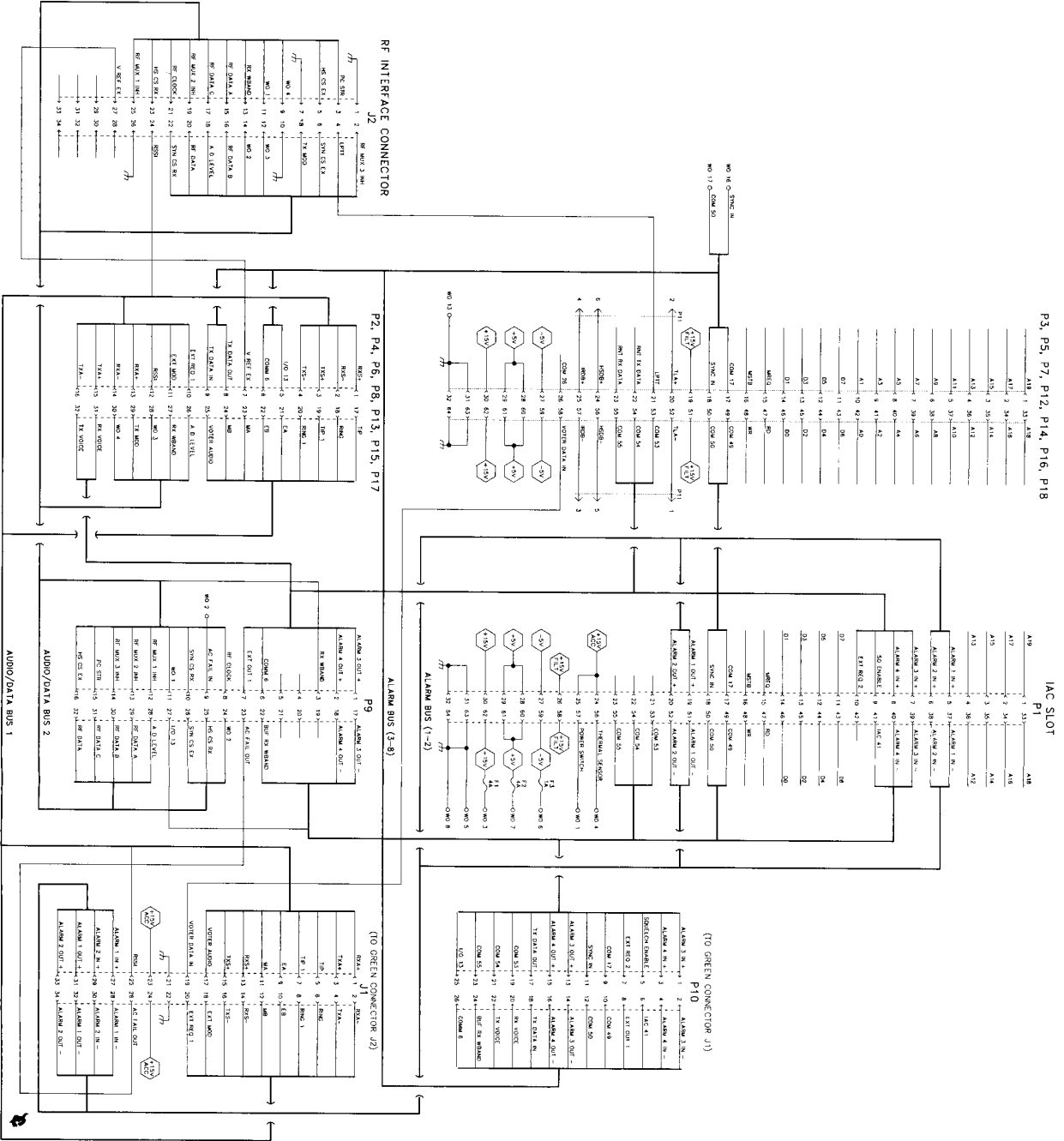


D

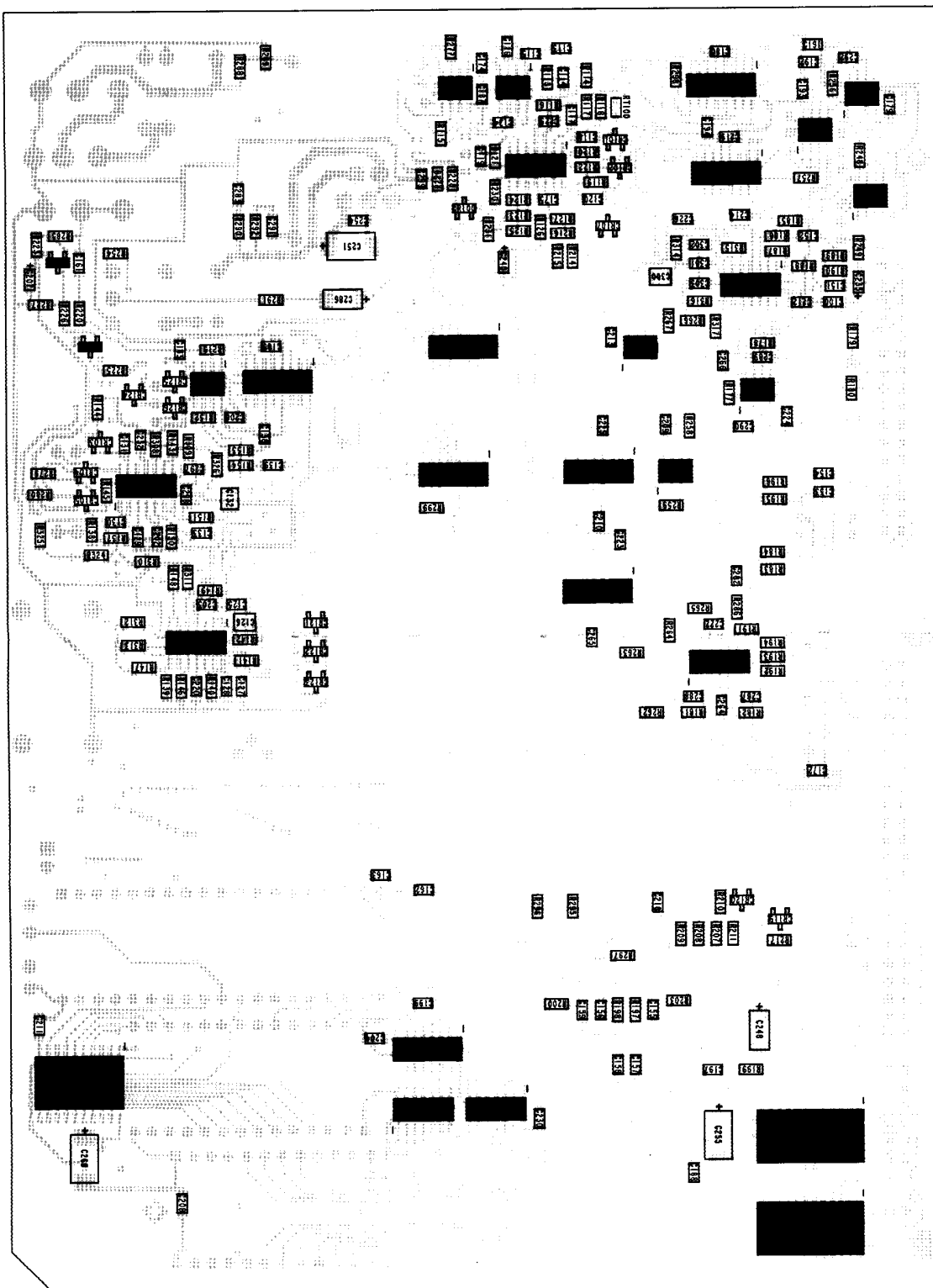


E

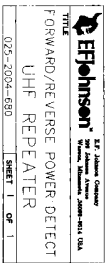




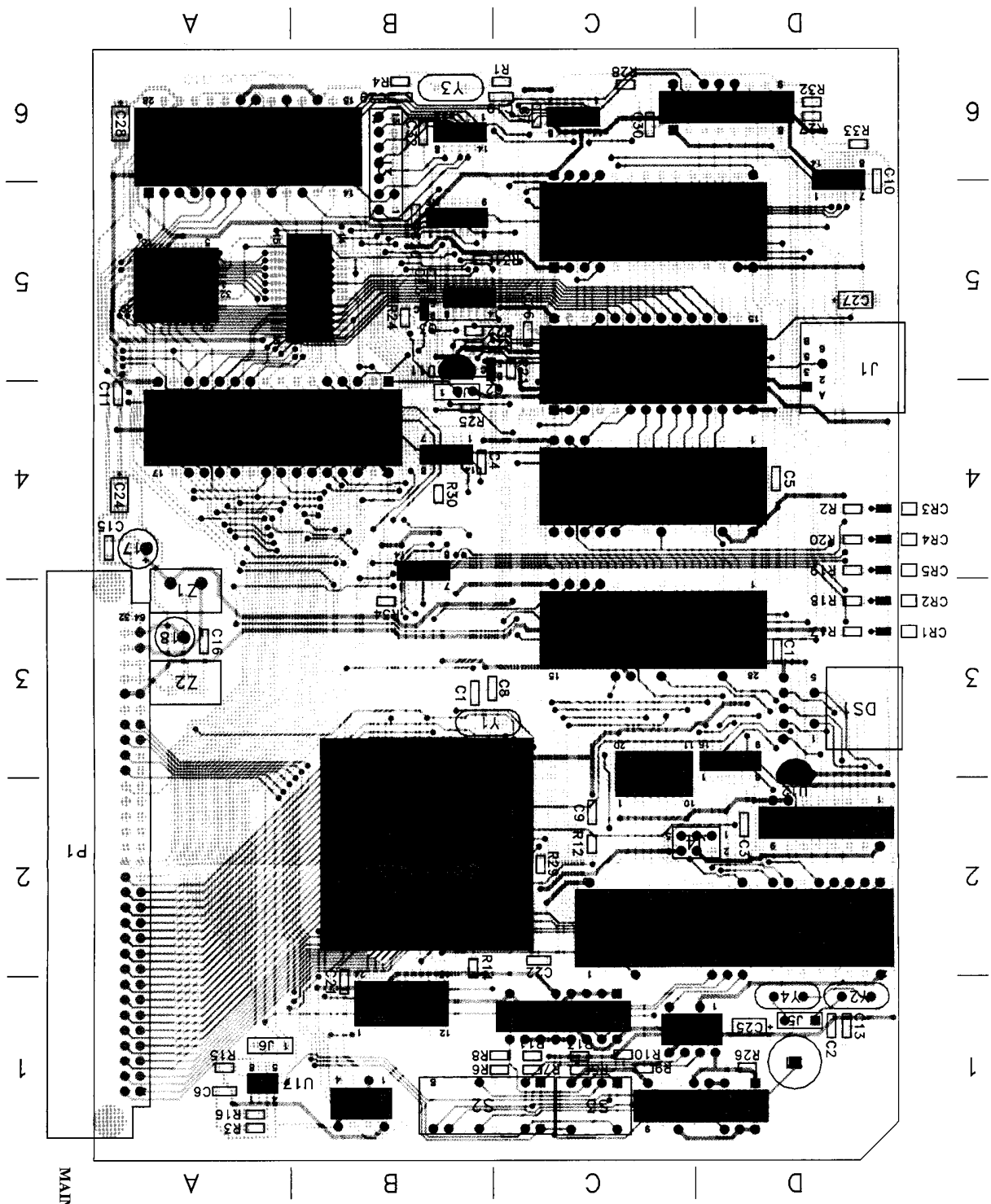
BACKPLANE SCHEMATIC
FIGURE 10-36



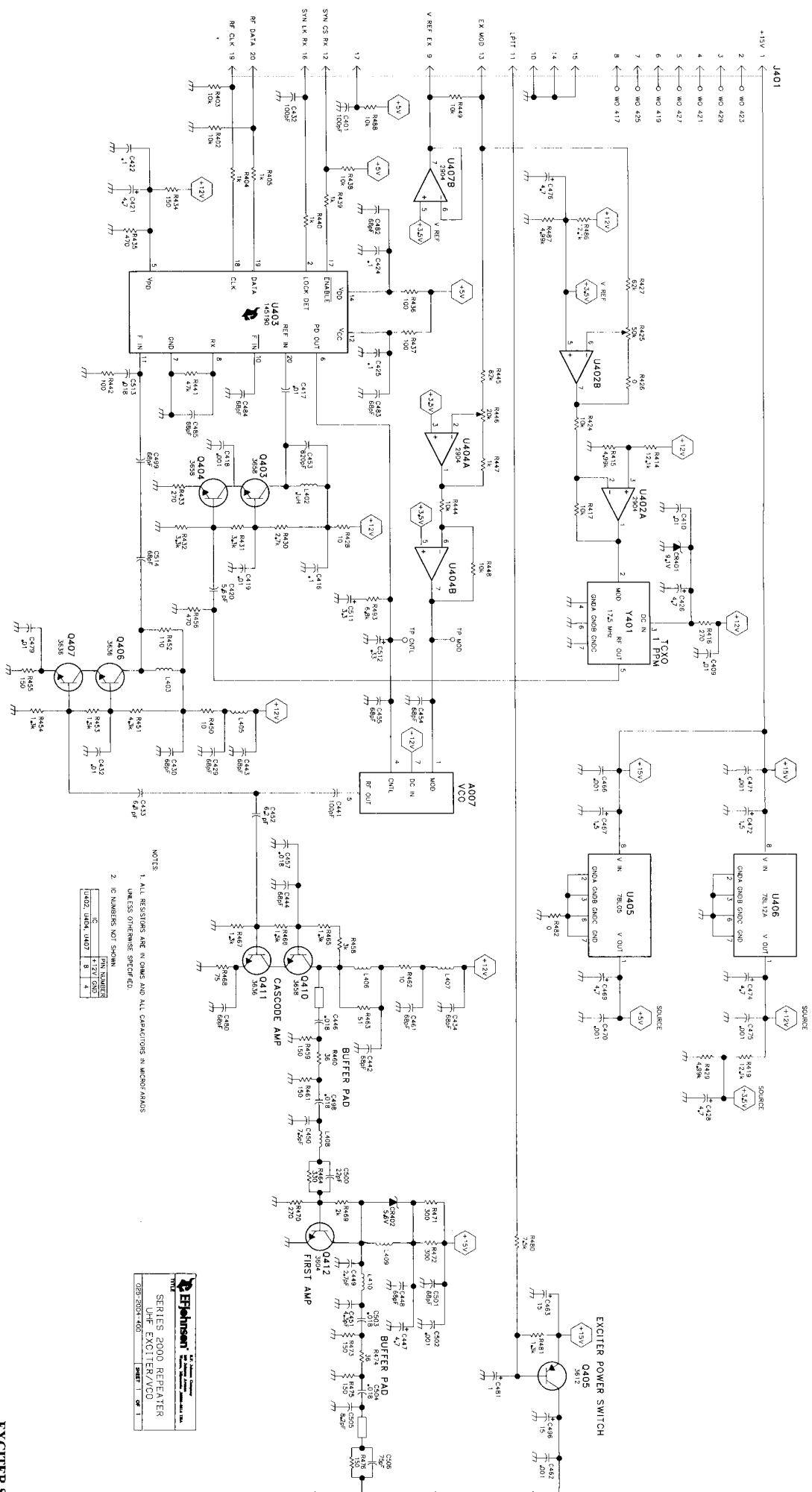




FORWARD/REVERSE POWER SCHEMATIC
FIGURE 10-23

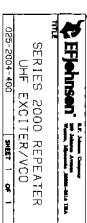


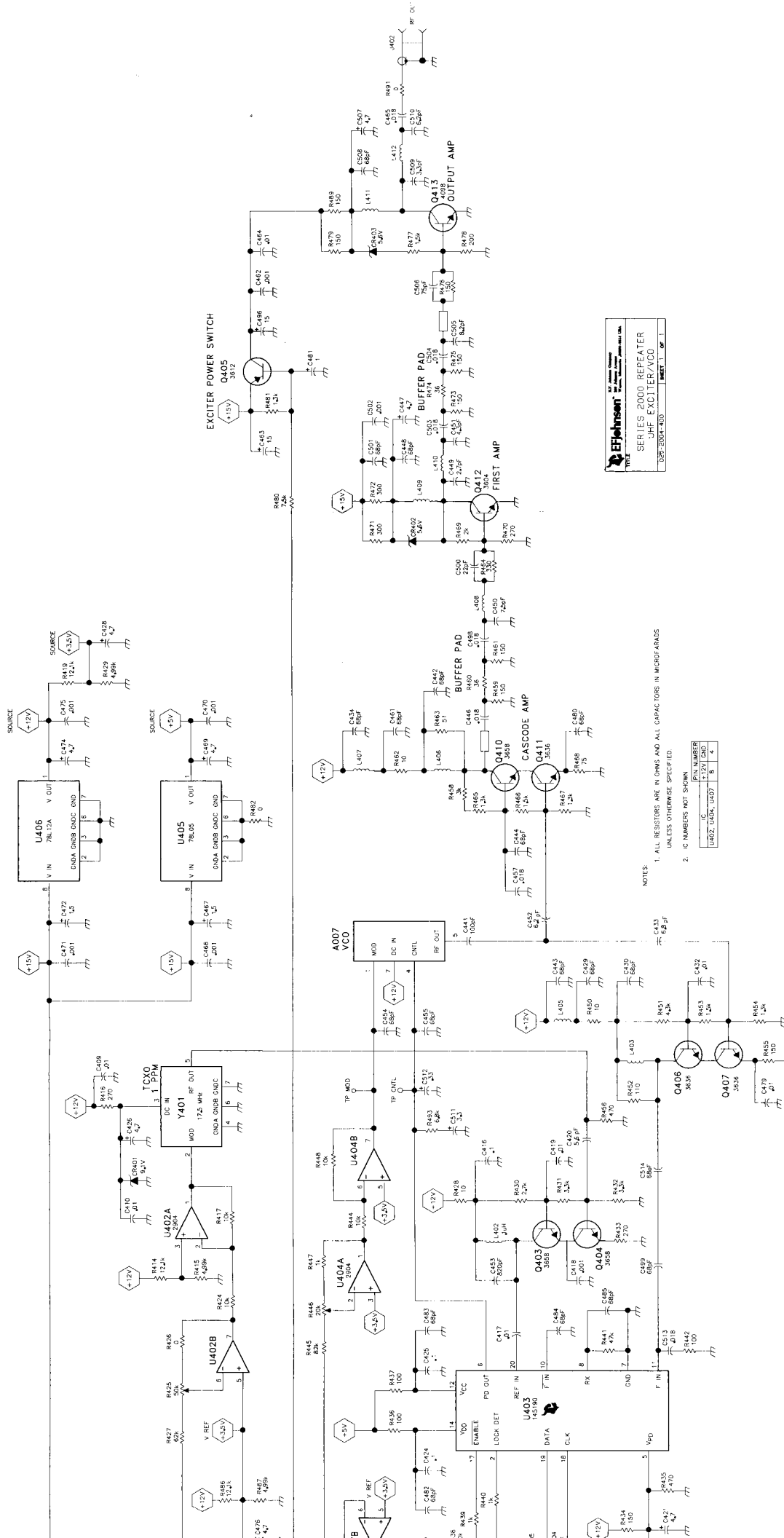
MAIN PROCESSOR CARD COMPONENT LAYOUT
FIGURE 10-24



NOTES:
1. ALL RESISTORS ARE IN OHMS AND ALL CAPACITORS IN MICROFARADS
UNLESS OTHERWISE SPECIFIED.
2. IC NUMBERS NOT SHOWN

IC	PN NUMBER
U402, U404, U407	5
U403, U405, U406, U408, U409, U410, U411, U412, U413, U414, U415, U416, U417, U418, U419, U420, U421, U422, U423, U424, U425, U426, U427, U428, U429, U430, U431, U432, U433, U434, U435, U436, U437, U438, U439, U440, U441, U442, U443, U444, U445, U446, U447, U448, U449, U450, U451, U452, U453, U454, U455, U456, U457, U458, U459, U460, U461, U462, U463, U464, U465, U466, U467, U468, U469, U470, U471, U472, U473, U474, U475, U476, U477, U478, U479, U480, U481, U482, U483, U484, U485, U486, U487, U488, U489, U490, U491, U492, U493, U494, U495, U496, U497, U498, U499, U500	7



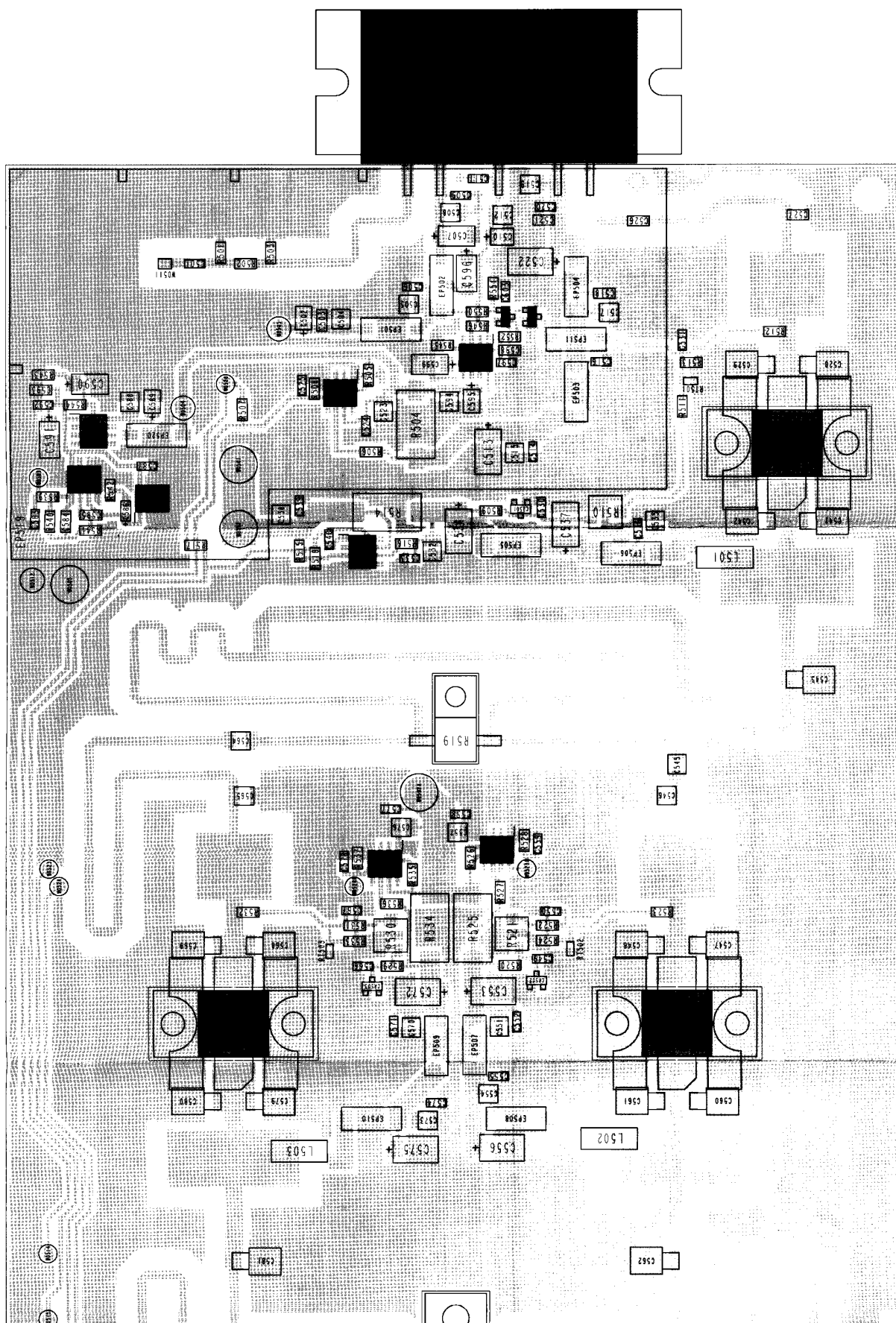


NOTES: 1. ALL RESISTORS ARE IN OHMS AND ALL CAPACITORS IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

2. IC NUMBERS NOT SHOWN

IC NUMBERS NOT SHOWN		PIN NUMBER	
	IC	+12V	GND
	U402 U404 U407	8	4

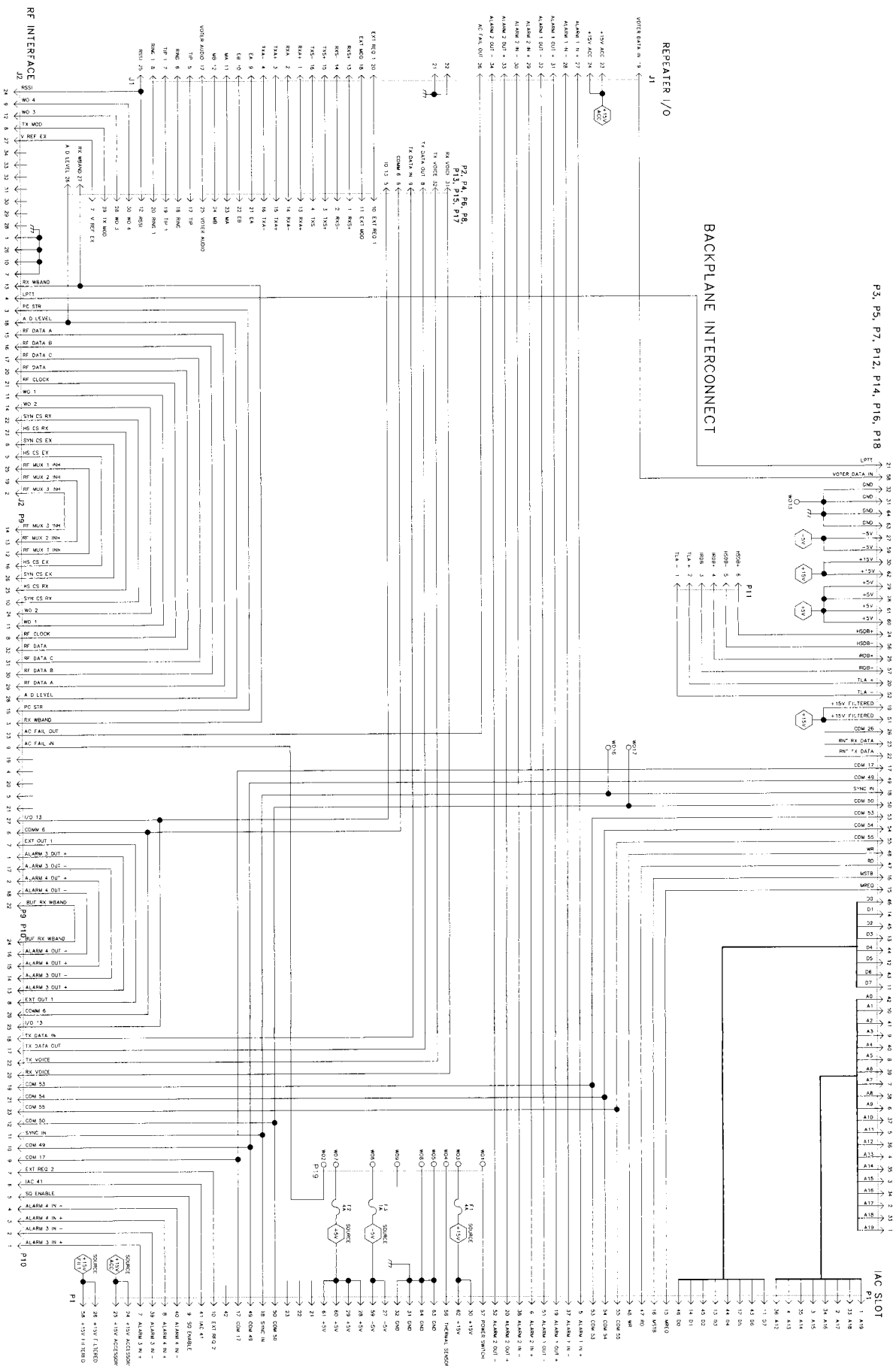
EXCITER SCHEMATIC
FIGURE 10-18



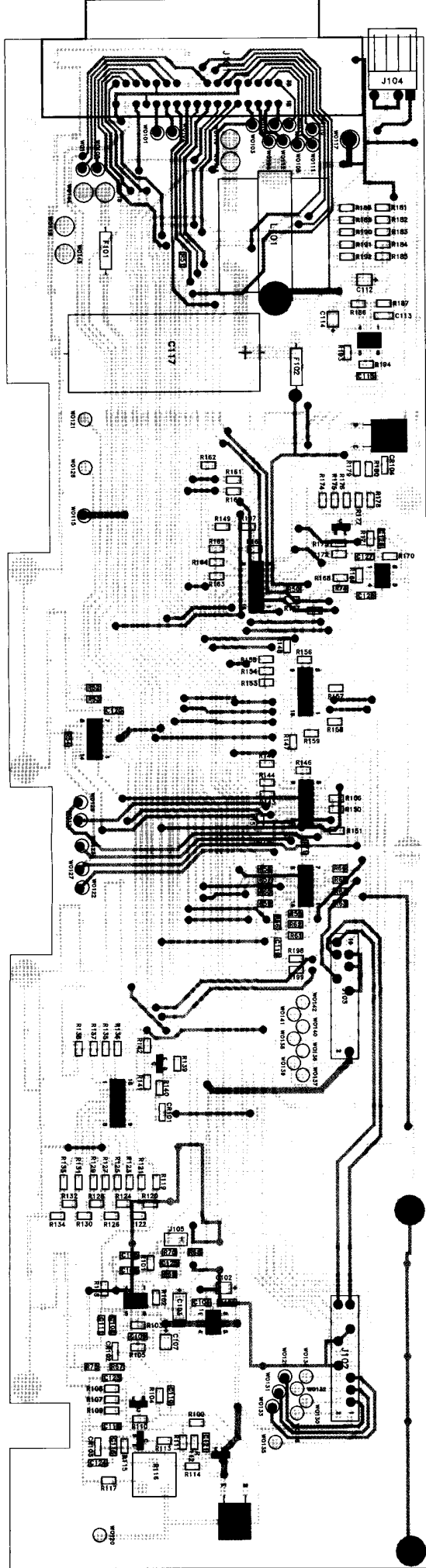
110W POWER AMPLIFIER COMPONENT LAYOUT
FIGURE 10-19

FIGURE 10-19

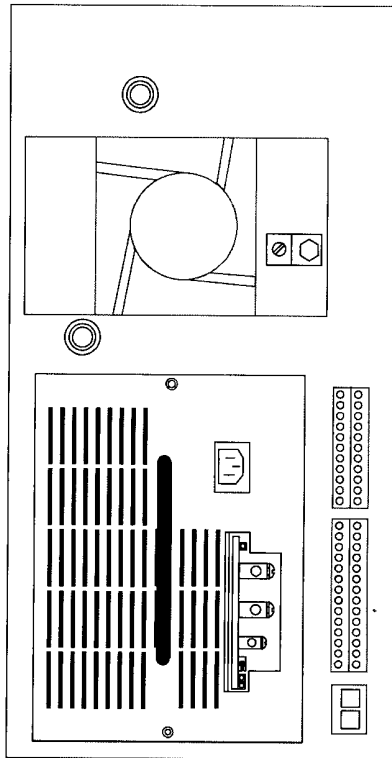
10-16



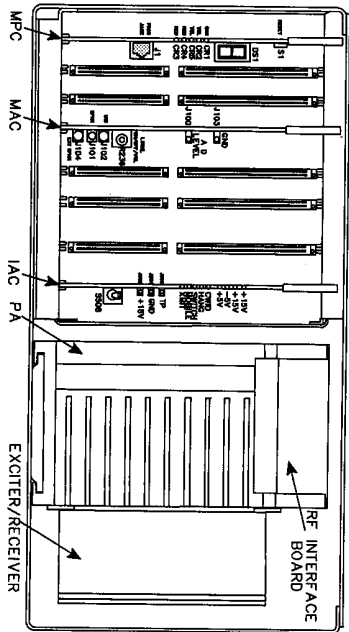
BACKPLANE INTERCONNECT
FIGURE 10-8



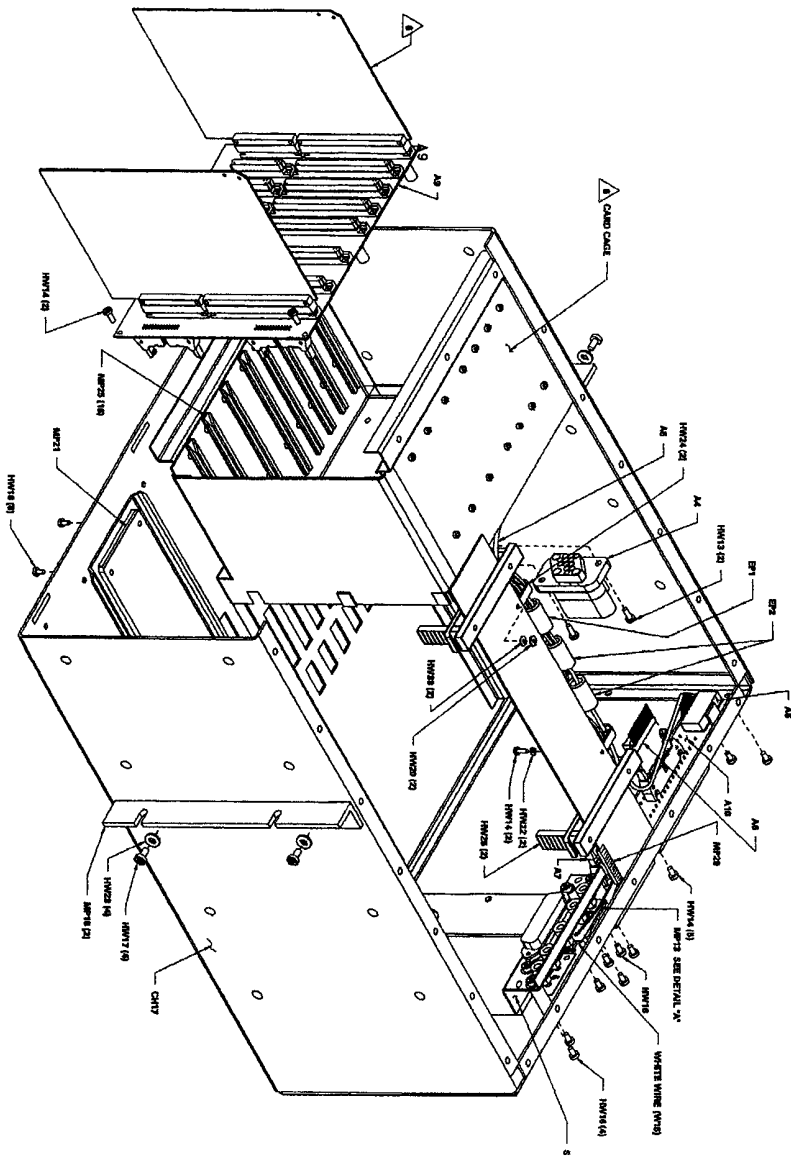
RF INTERFACE BOARD COMPONENT LAYOUT
FIGURE 10-9



REPEATER REAR VIEW
FIGURE 10-4



REPEATER FRONT VIEW
FIGURE 10-5



REPEATER CABINET EXPLODED VIEW
FIGURE 10-3

REAR CONNECTOR BOARD

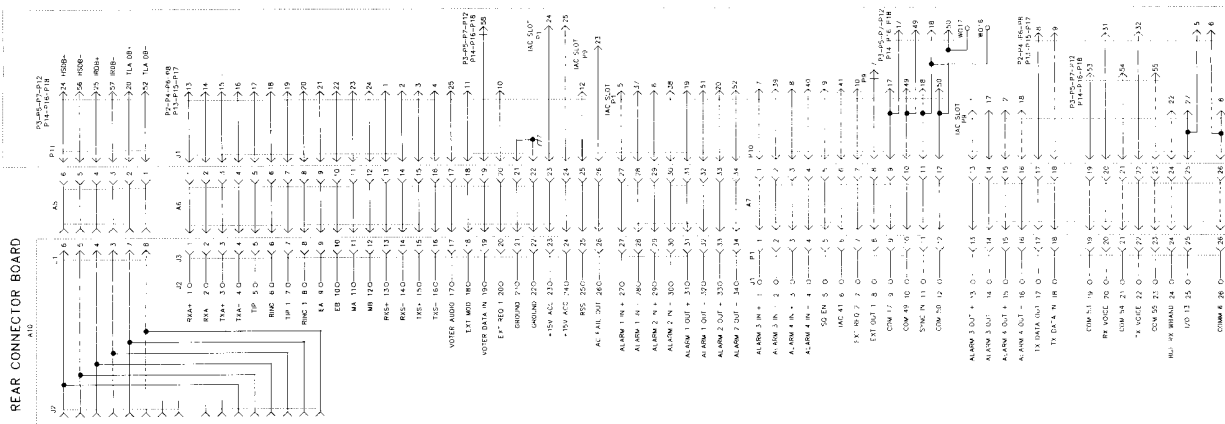
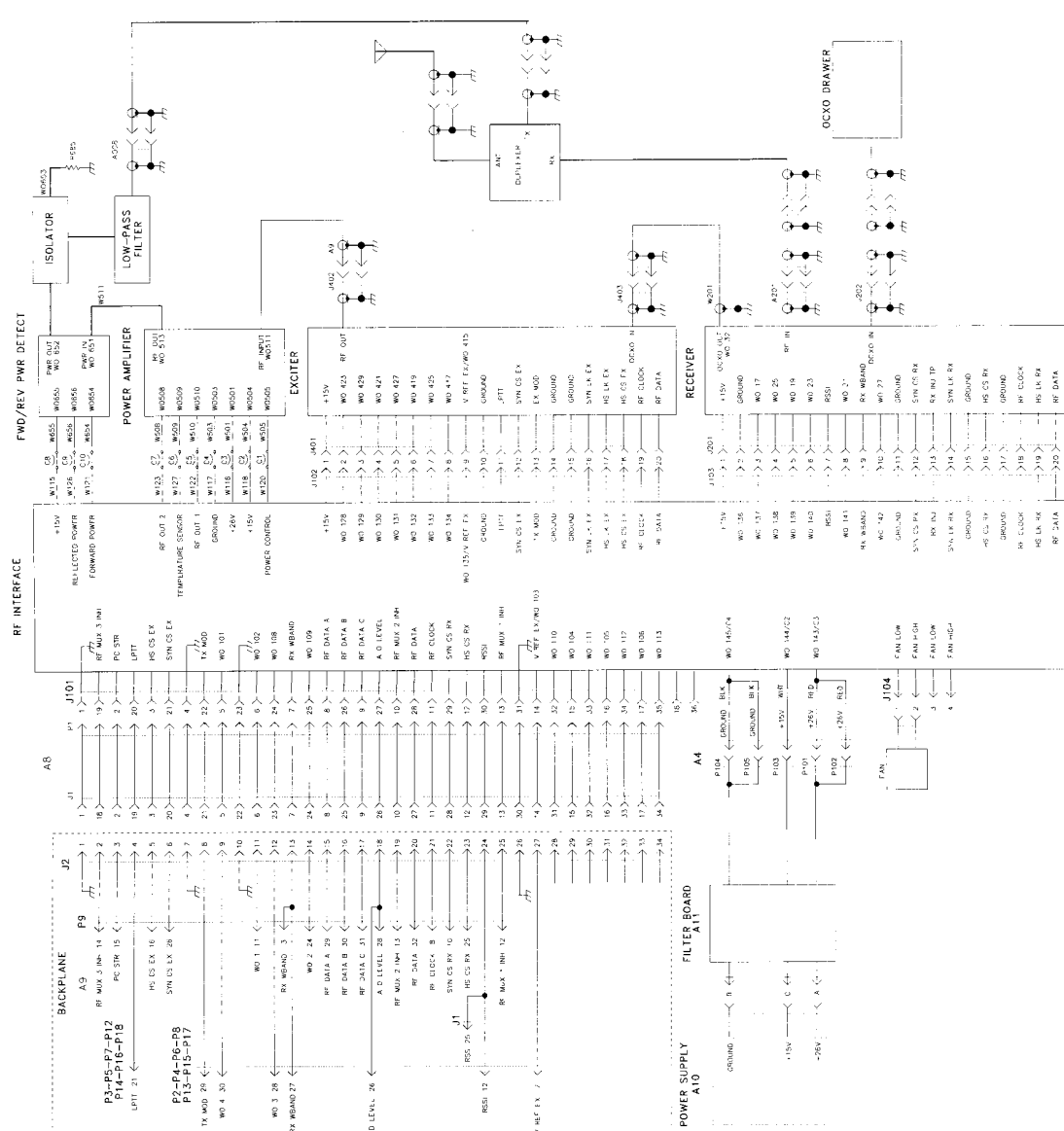


Figure 10-6 INPUT/OUTPUT ALARM INTERCONNECT



RF INTERCONNECT
FIGURE 10-7

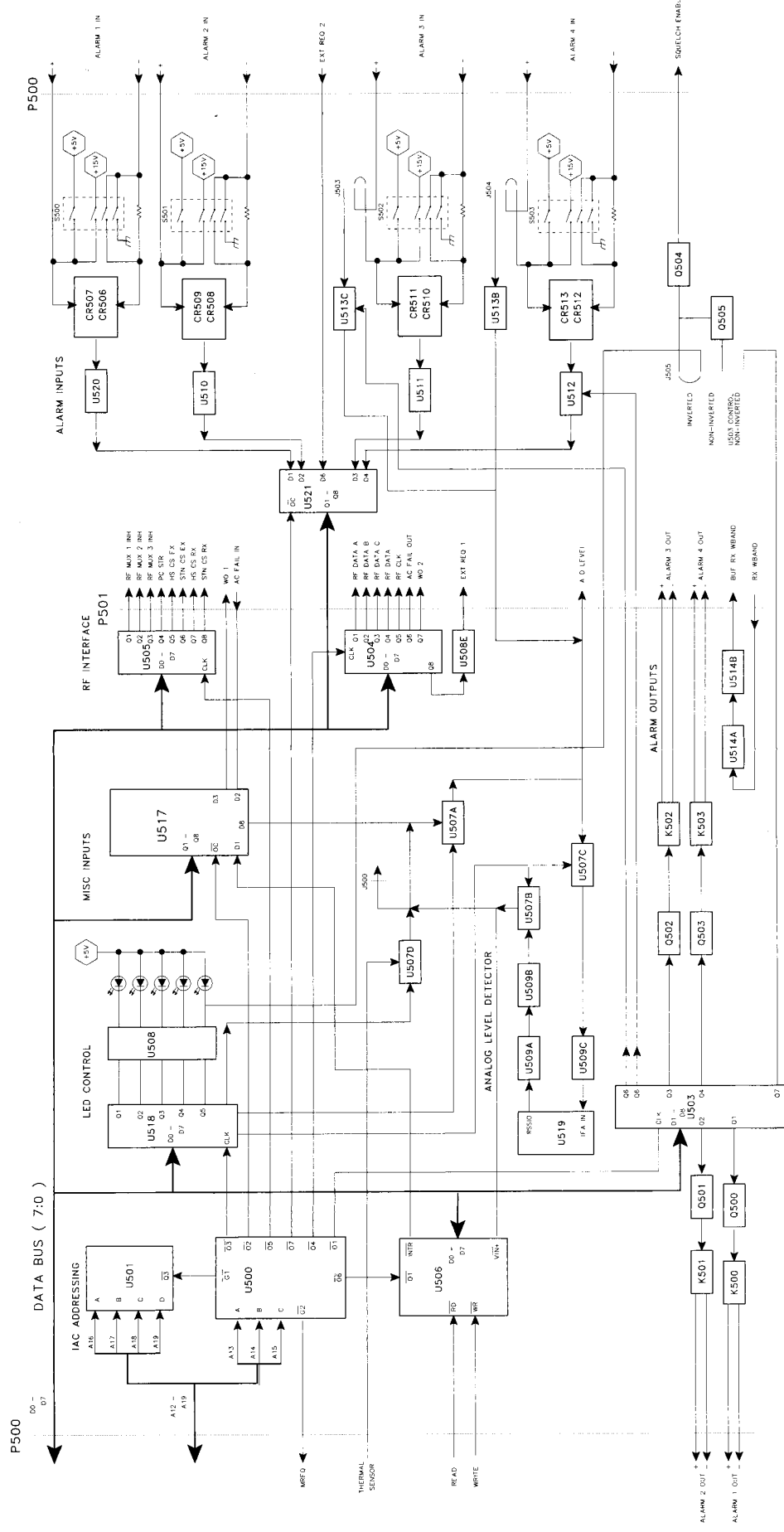


Figure 6-14 INTERFACE ALARM CARD BLOCK DIAGRAM

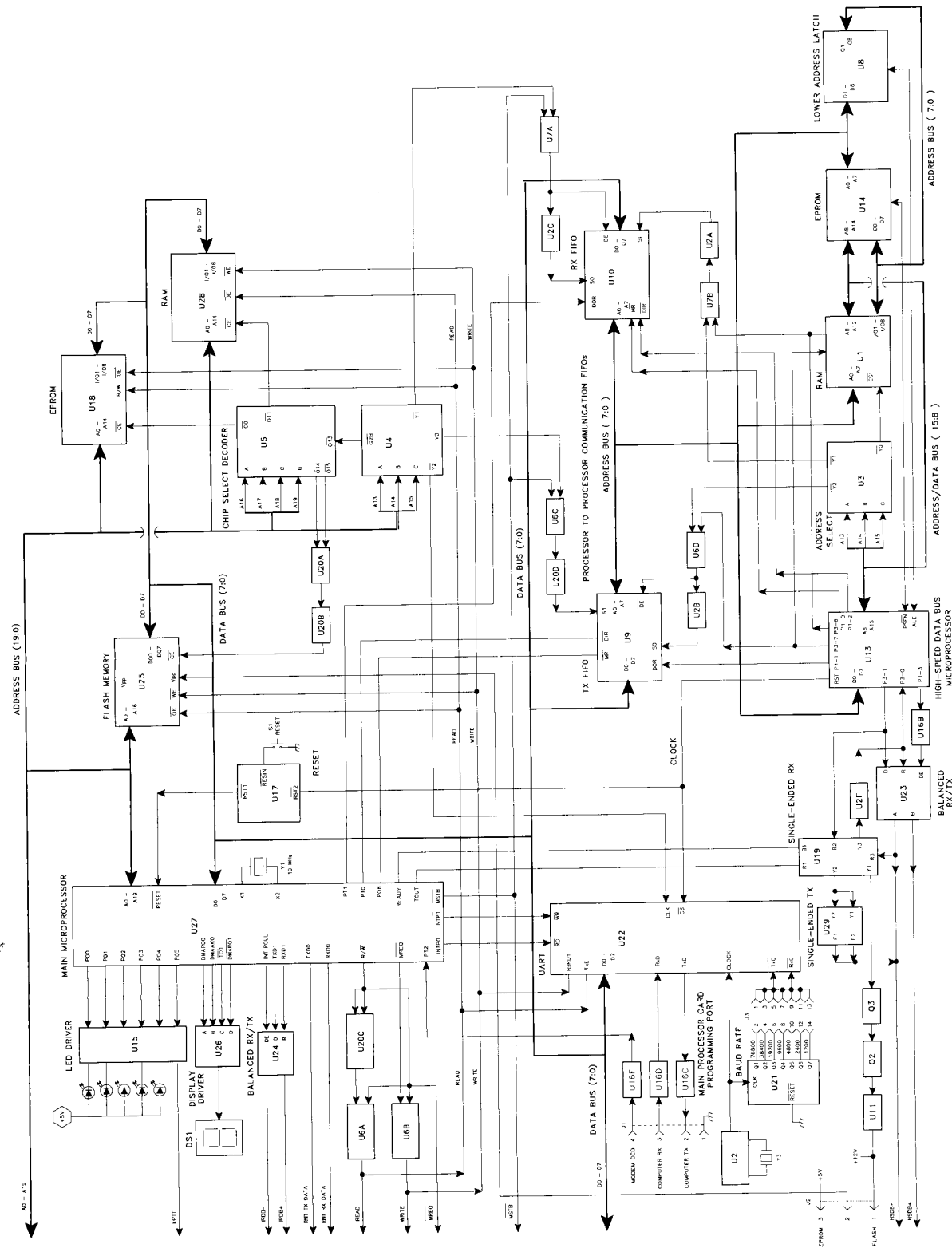


Figure 6-11 MAIN PROCESSOR CARD BLOCK DIAGRAM

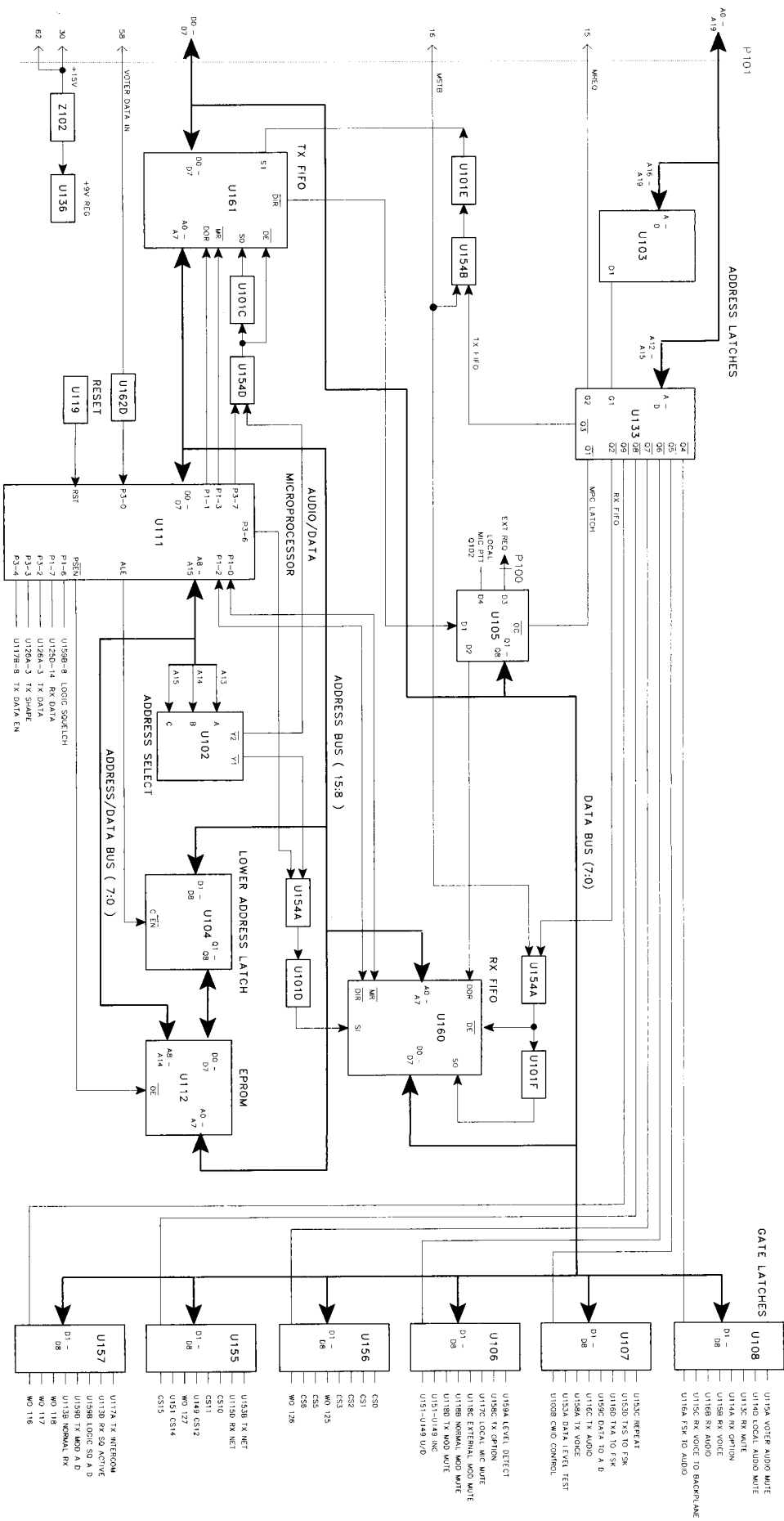
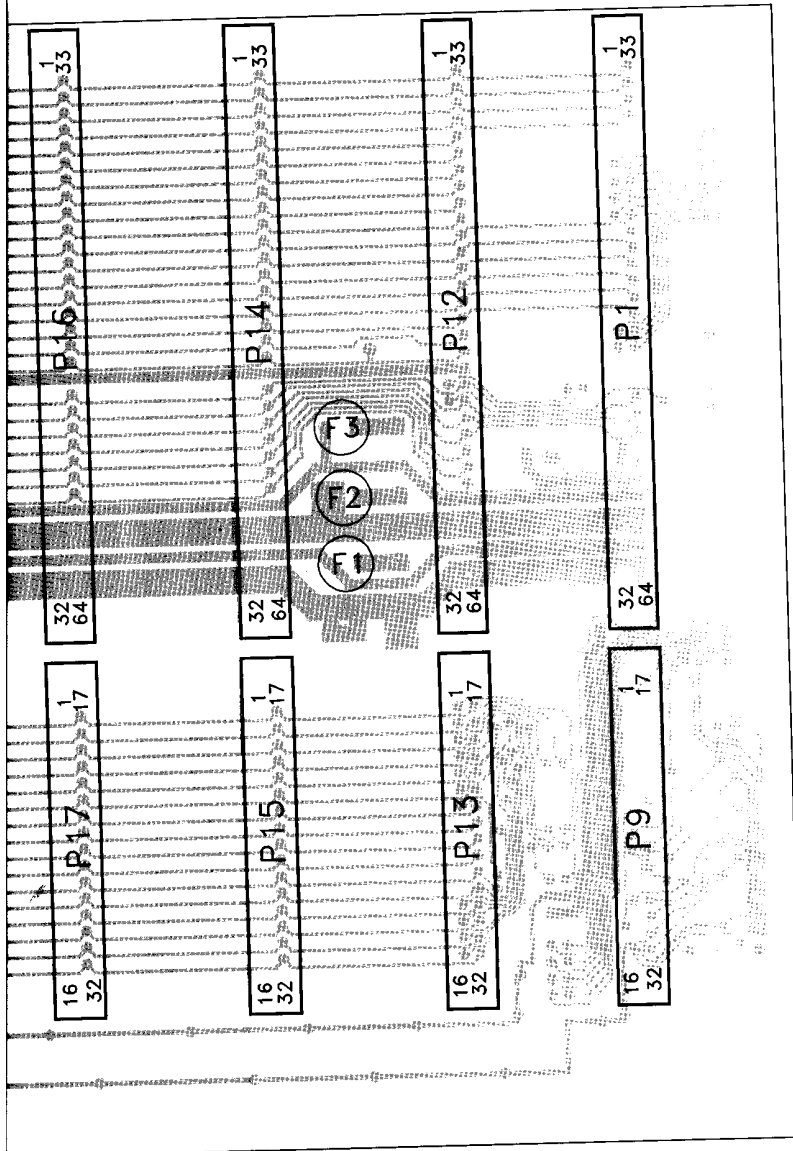


Figure 6-12 MAIN AUDIO CARD LOGIC BLOCK DIAGRAM



BACKPLANE COMPONENT LAYOUT (CARD SIDE)
FIGURE 10-34

16	32	P8	1	32	P7	1
32	64		17	64		33

16	32	P6	1	32	P5	1
32	64		17	64		33

16	32	P4	1	32	P3	1
32	64		17	64		33

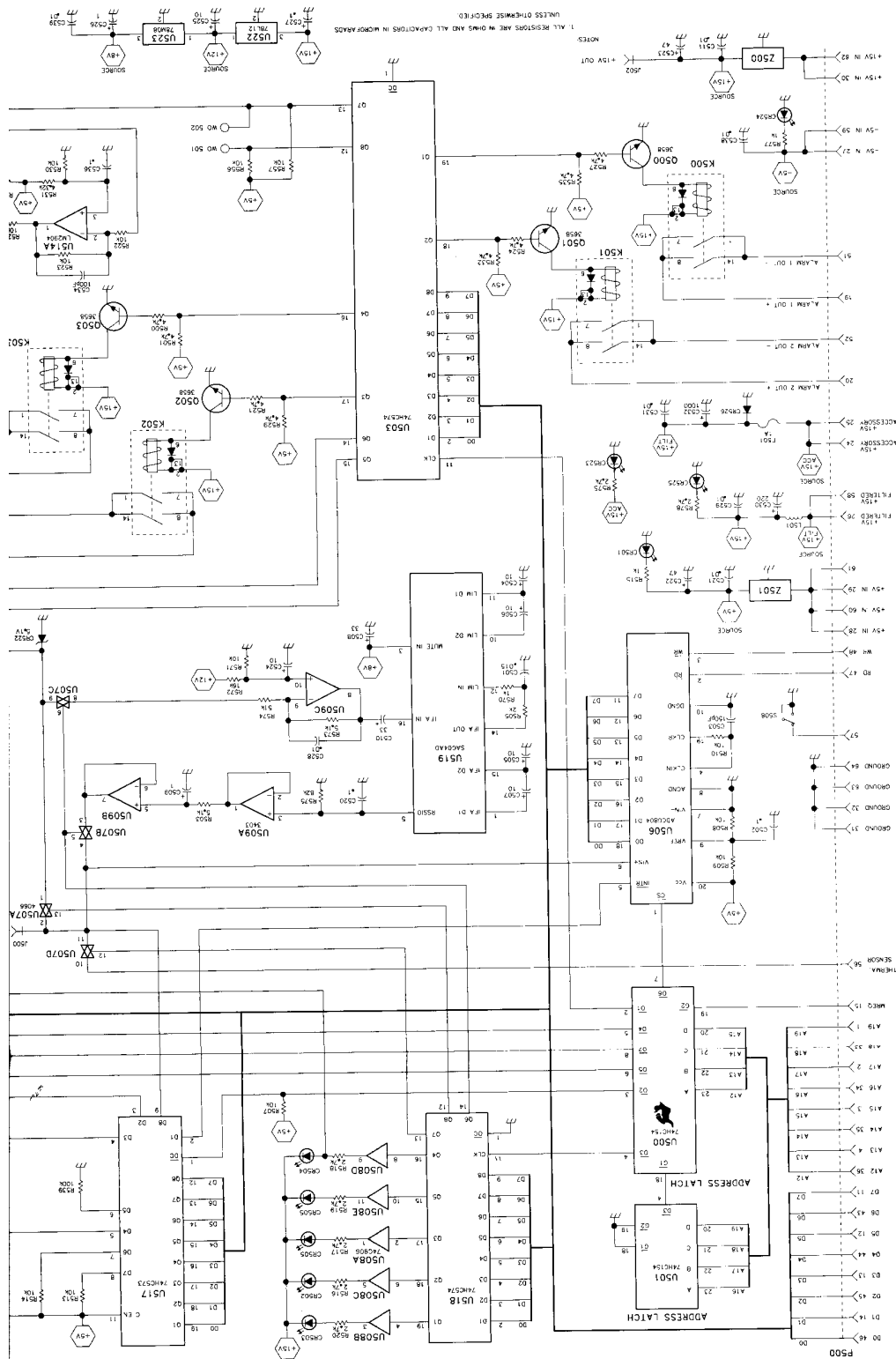
16	32	P2	1	32	P18	1
32	64		17	64		33

16	32	P17	1	32	P16	1
32	64		17	64		33

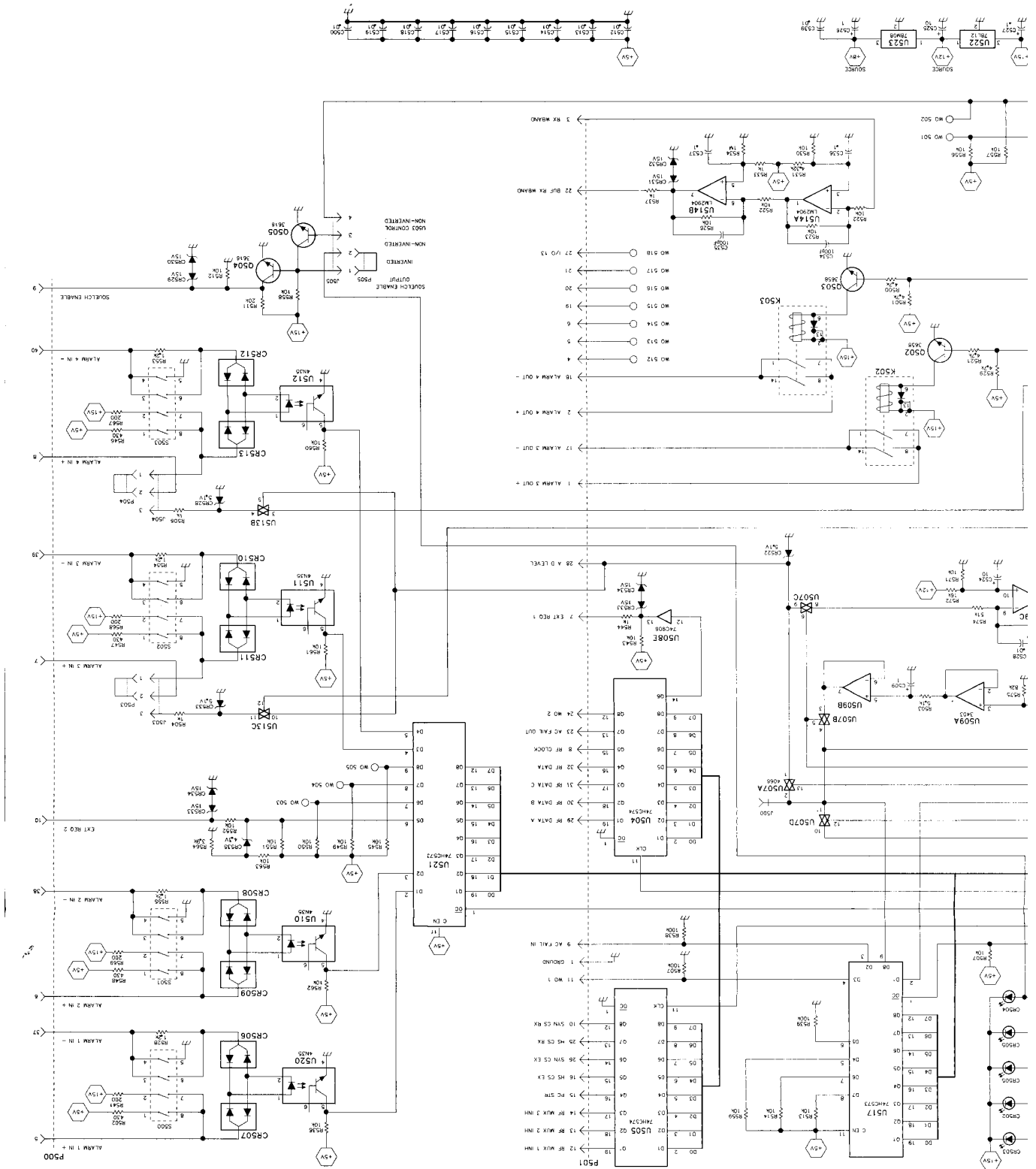
16	32	P15	1	32	P14	1
32	64		17	64		33

F1
F2
F3

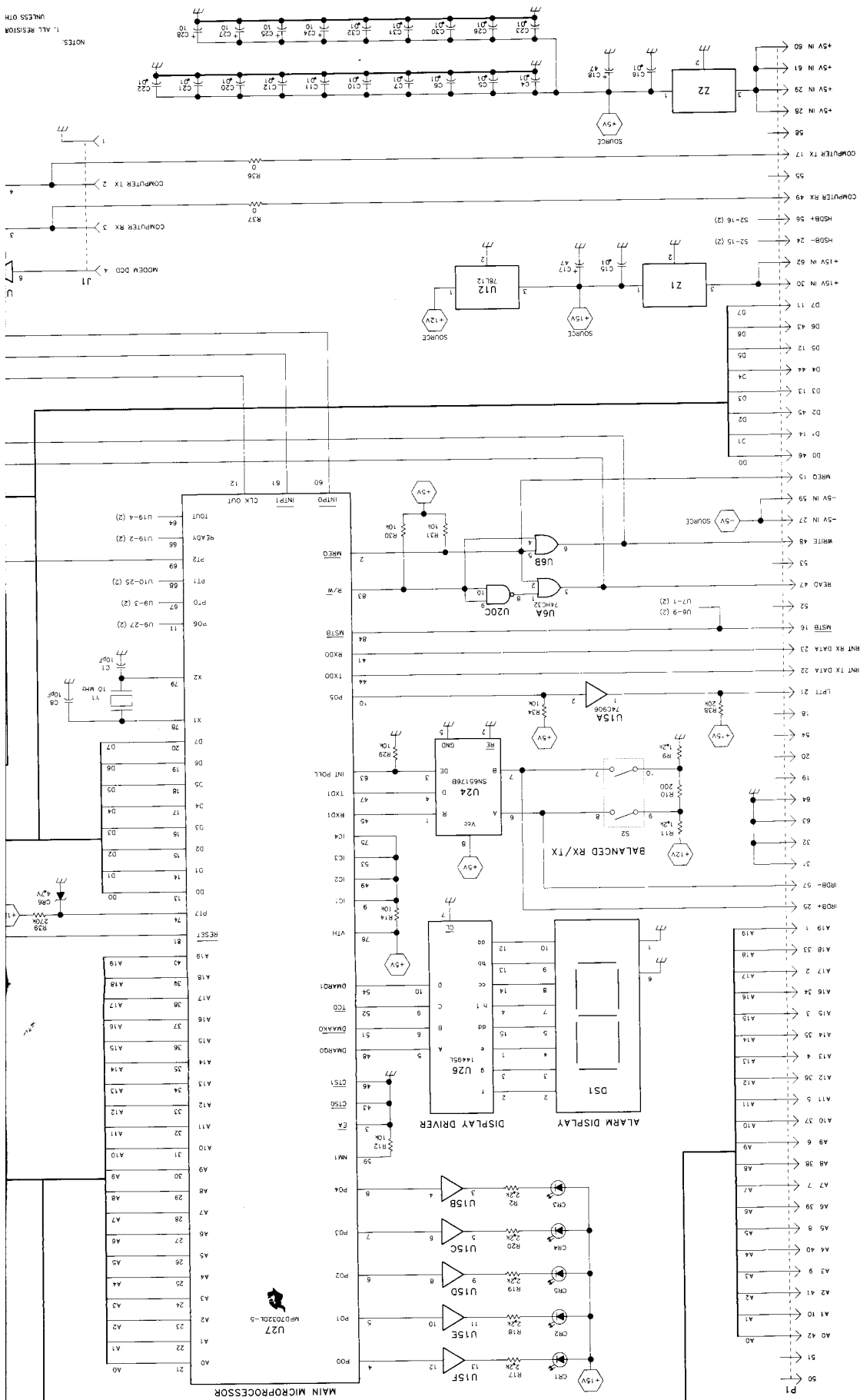
16	32	P13	1	32	P12	1
32	64		17	64		33



INTERFACE ALARM CARD SCHEMATIC
FIGURE 10-33

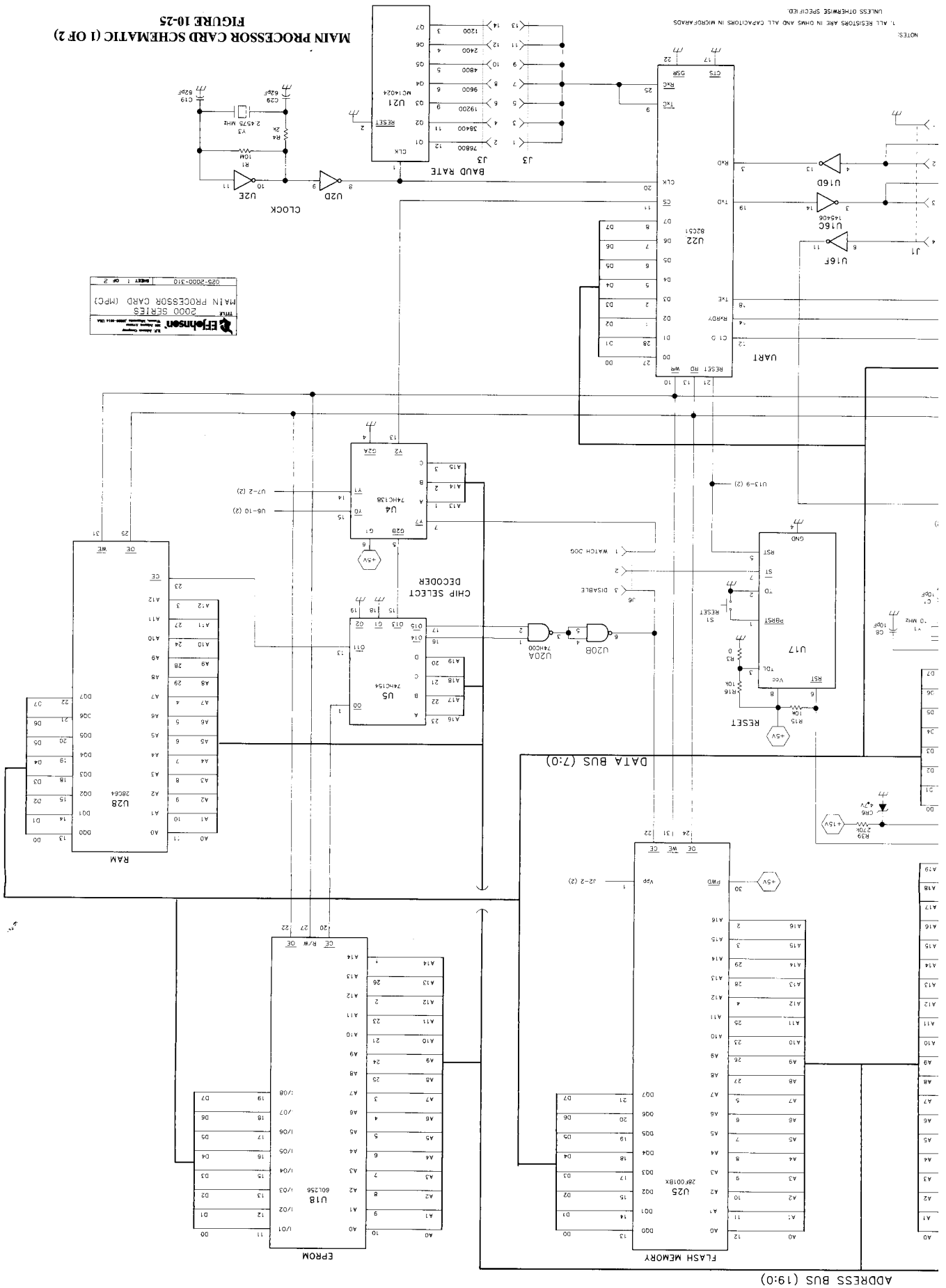


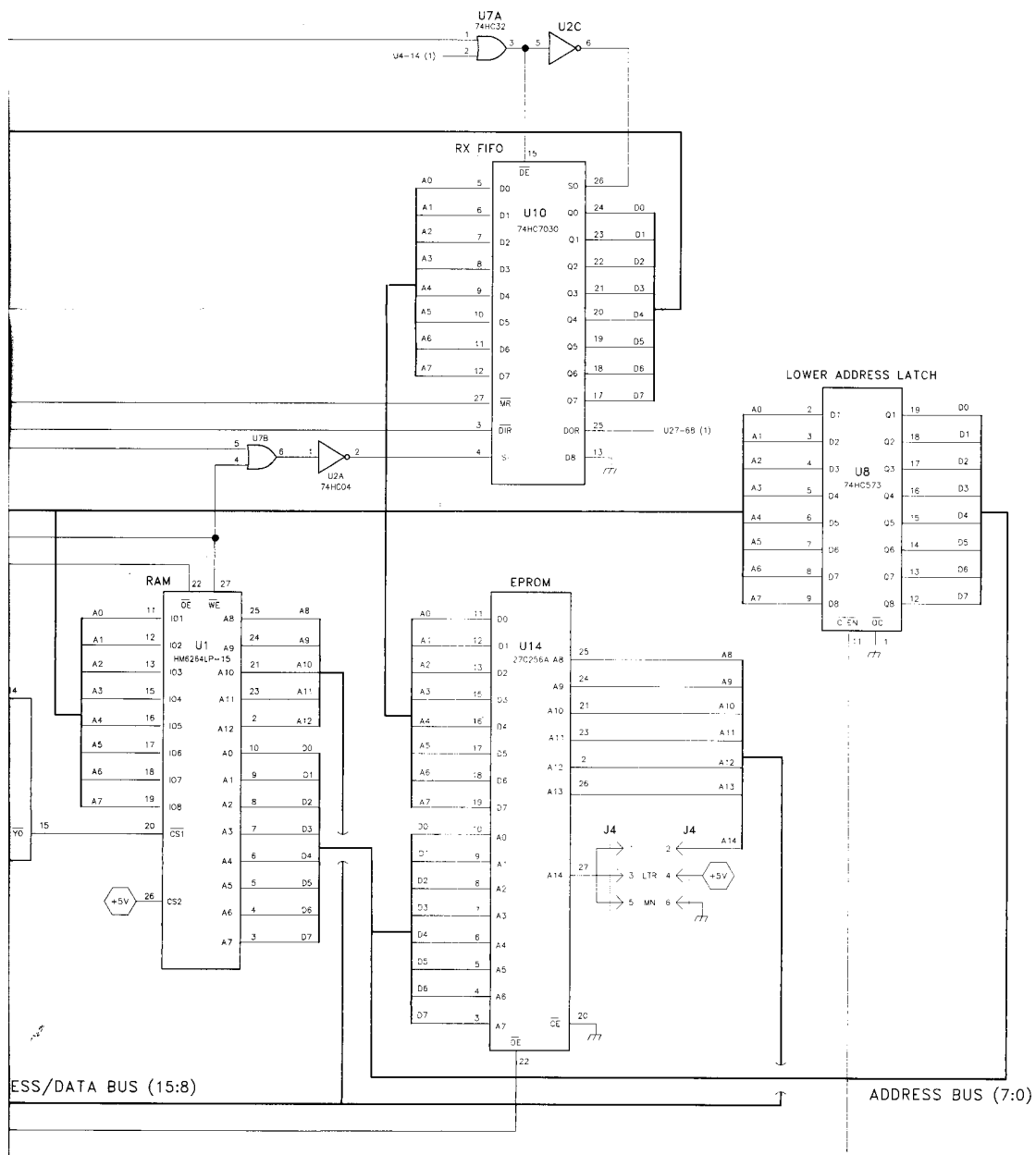
NOTES:
1. ALL RESISTOR
UNLESS OTHERWISE SPECIFIED



ADDRESS

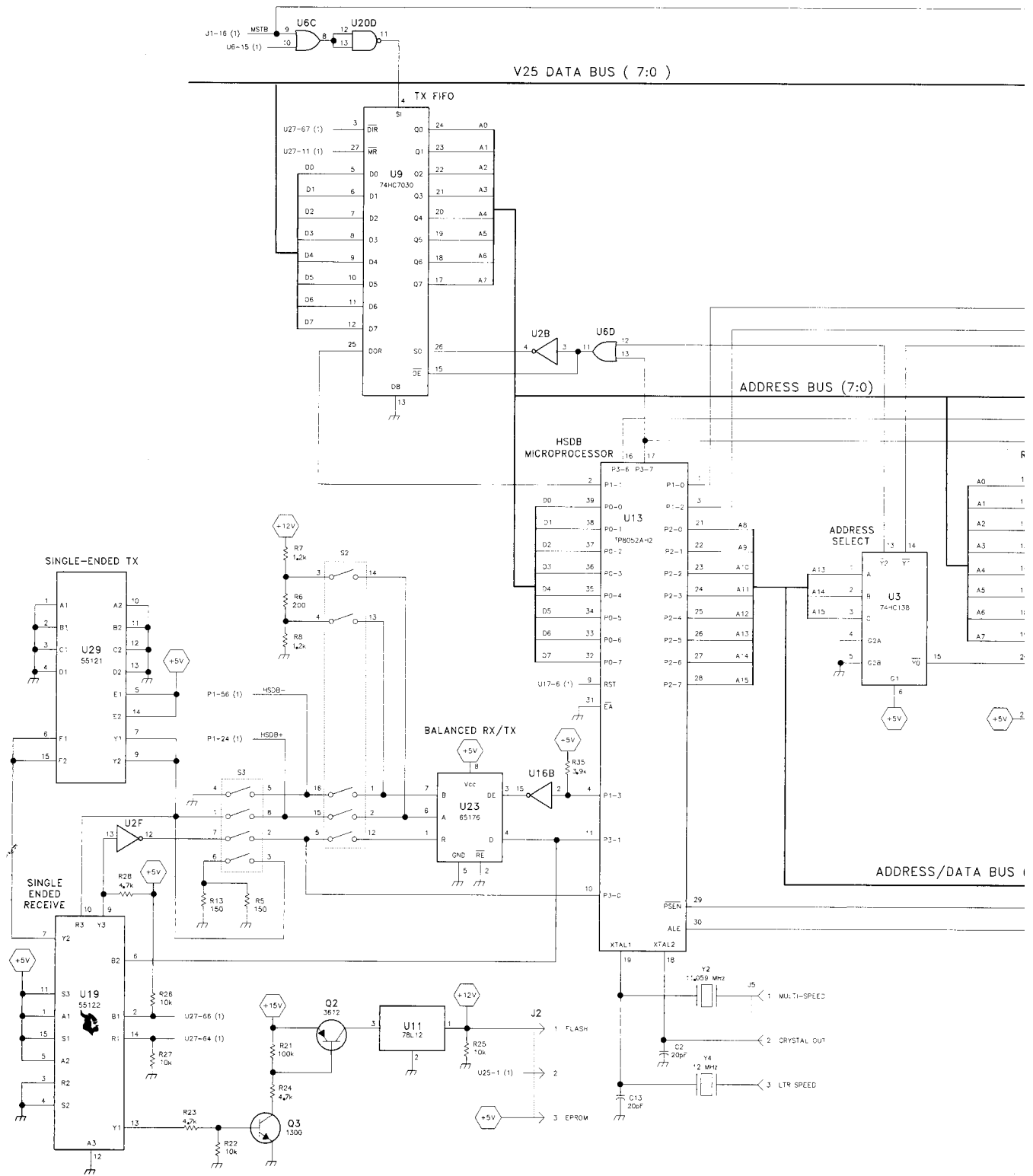
FIGURE 10-25
MAIN PROCESSOR CARD SCHEMATIC (1 OF 2)





 E Johnson Company
 100 Johnson Avenue
 Walnut, Missouri 63090-1011 USA
 TITLE 2000 SERIES
 MAIN PROCESSOR CARD (MPC)
 025-2000-310 SHEET 2 OF 2

MAIN PROCESSOR CARD SCHEMATIC (2 OF 2)
 FIGURE 10-26



STABILIZER CIRCUIT 023-2004-530

1. ALL RESISTORS ARE IN OHMS AND ALL CAPACITORS IN MICROFARADS
UNLESS OTHERWISE SPECIFIED.

NOTES:

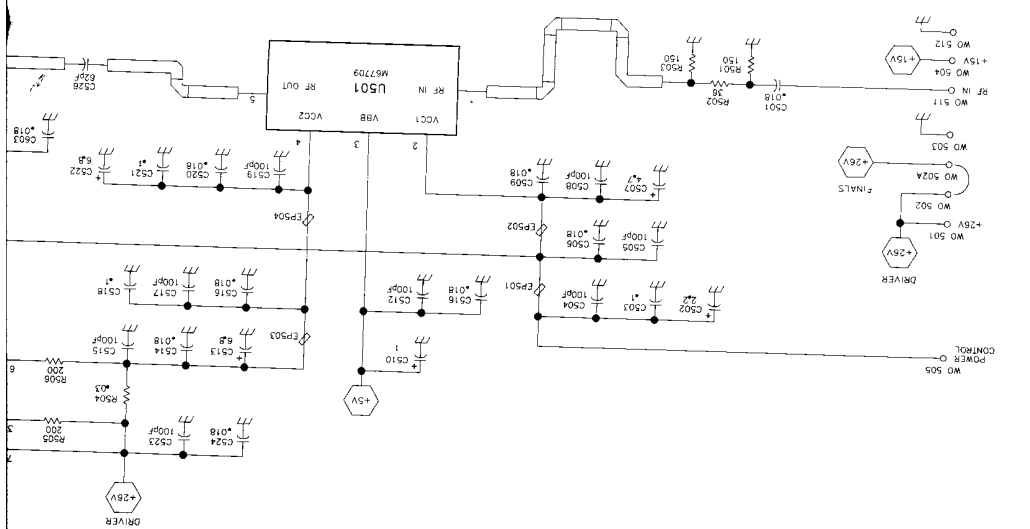
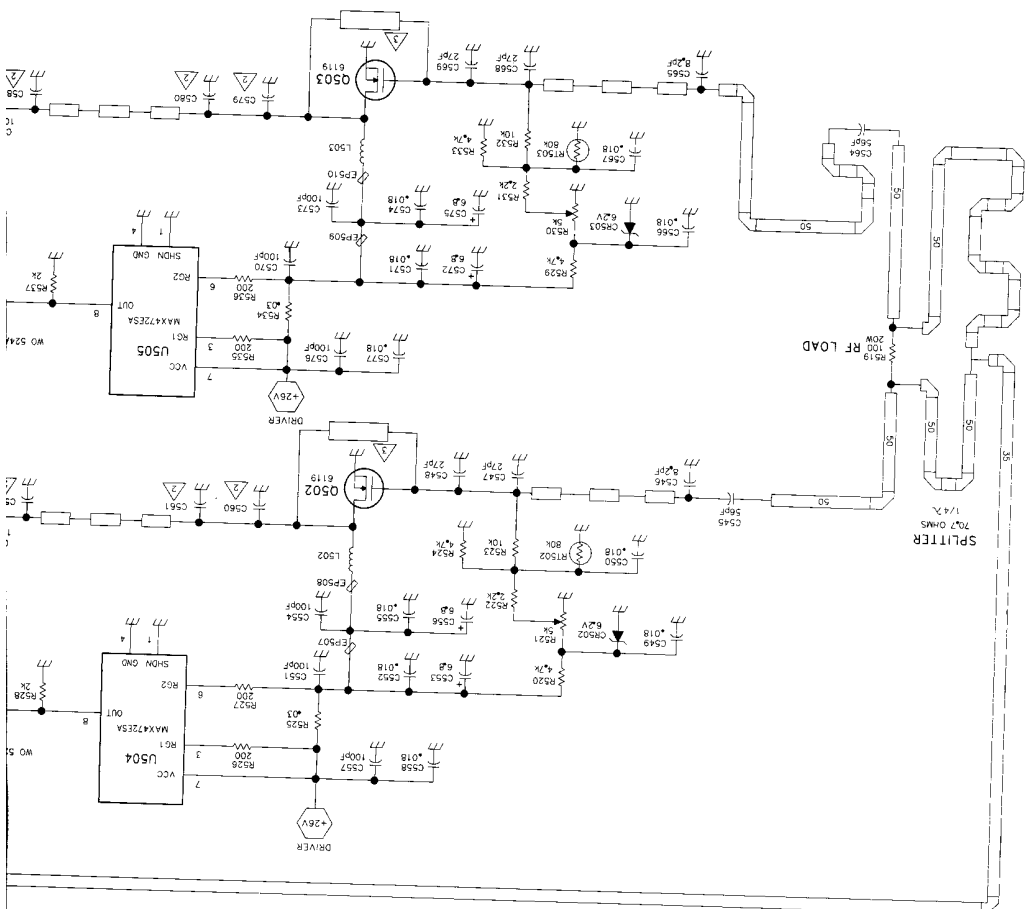
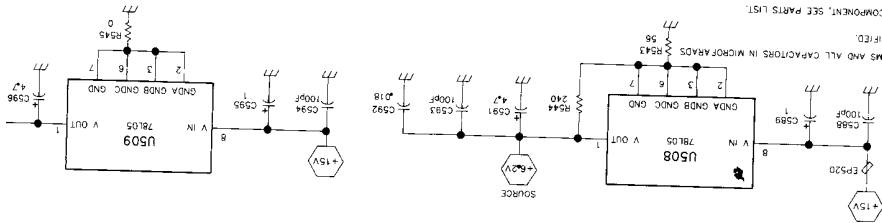
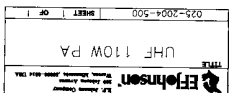
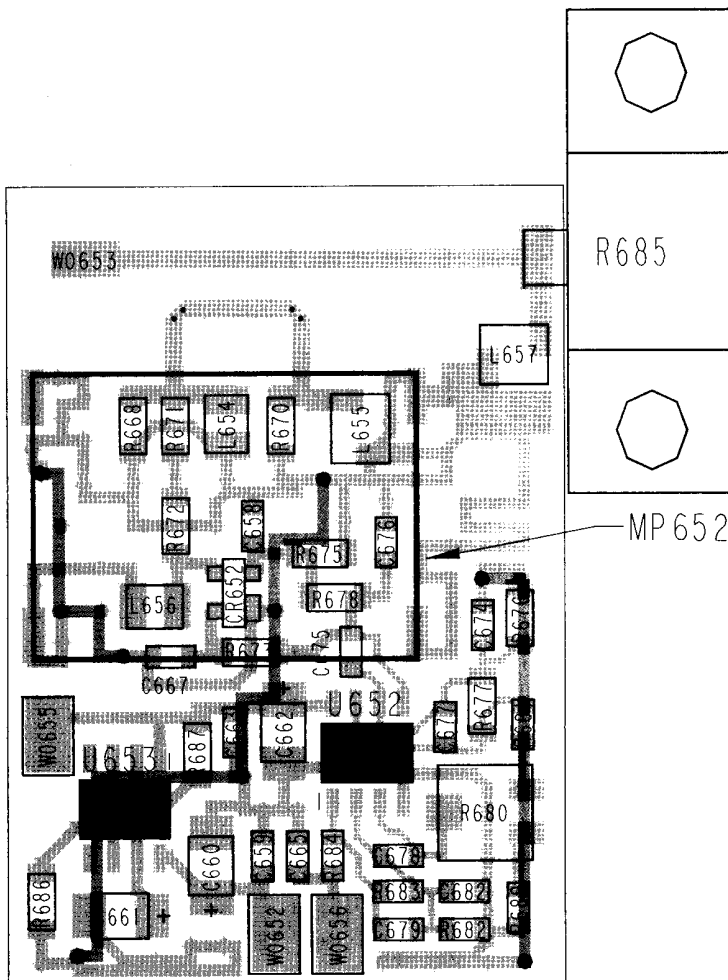
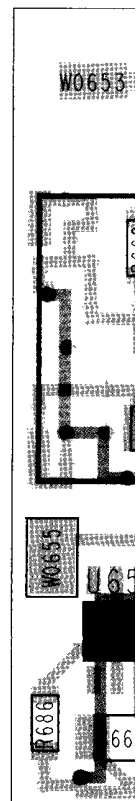
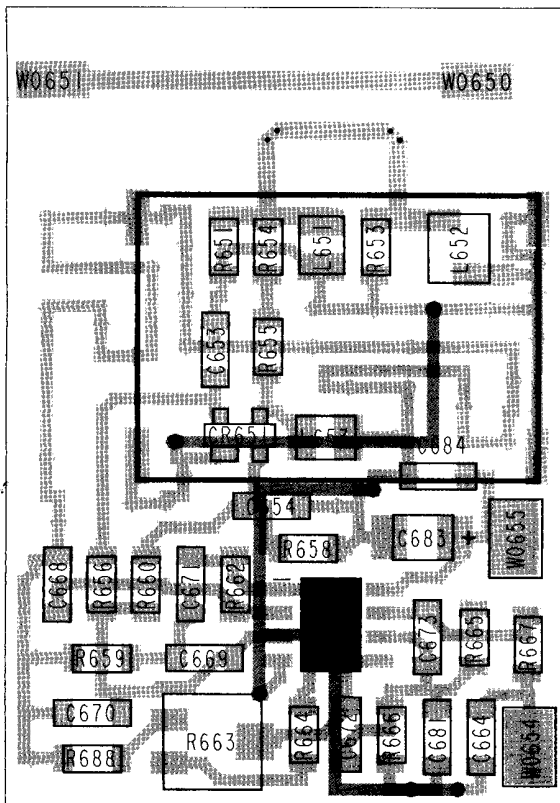


FIGURE 10-20



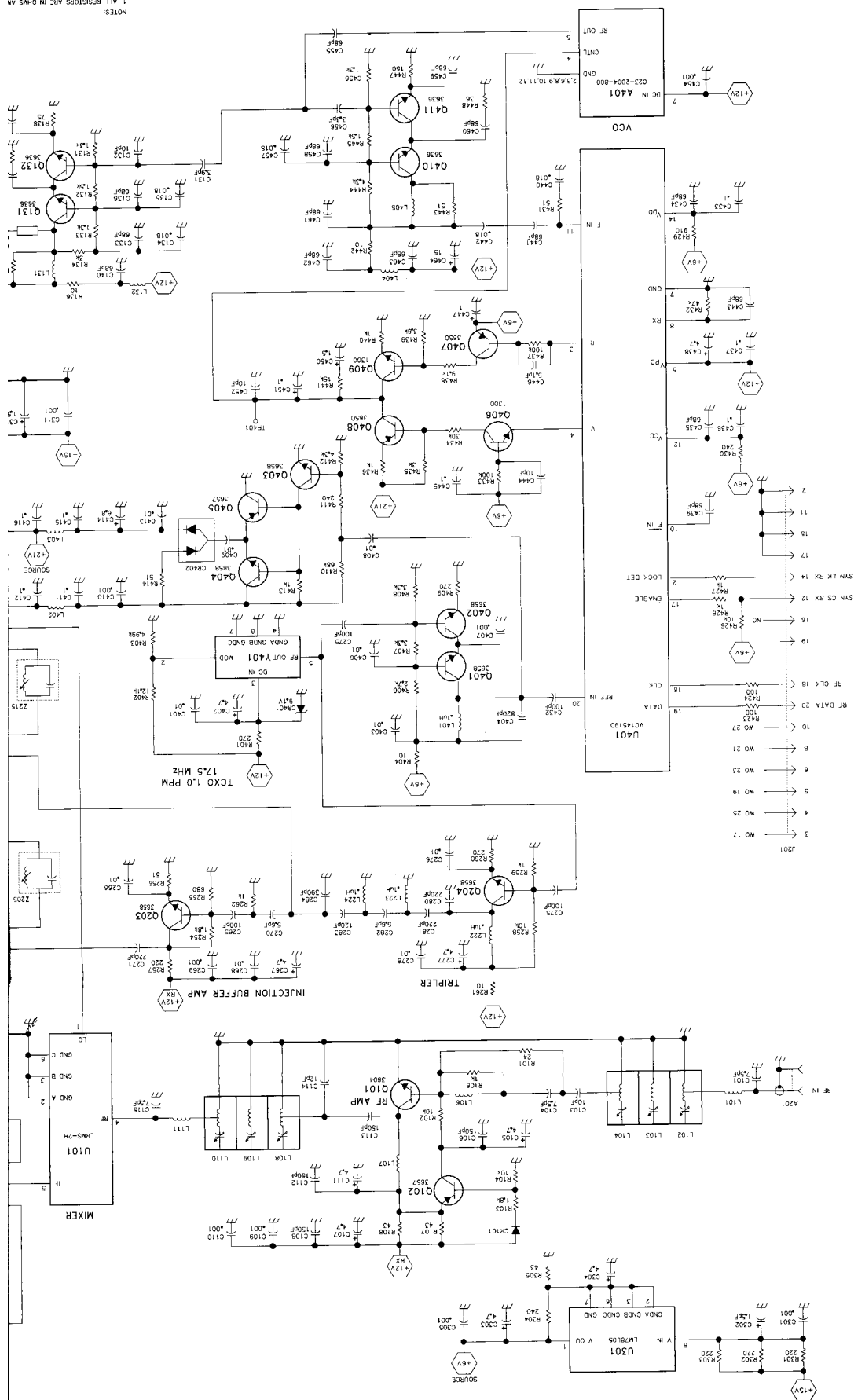


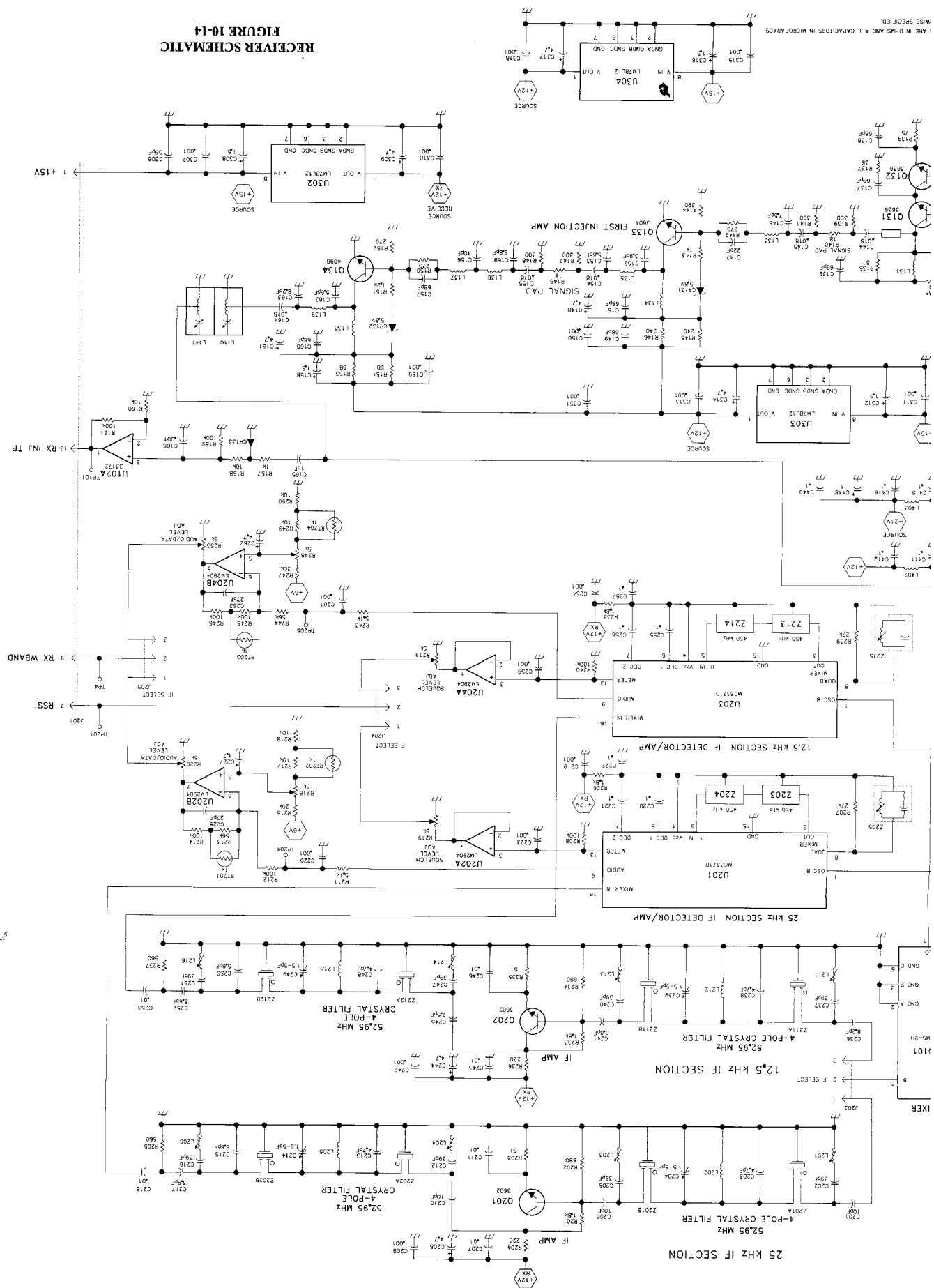
REVERSE POWER COMPONENT LAYOUT
FIGURE 10-22



FORWARD POWER COMPONENT LAYOUT
FIGURE 10-21

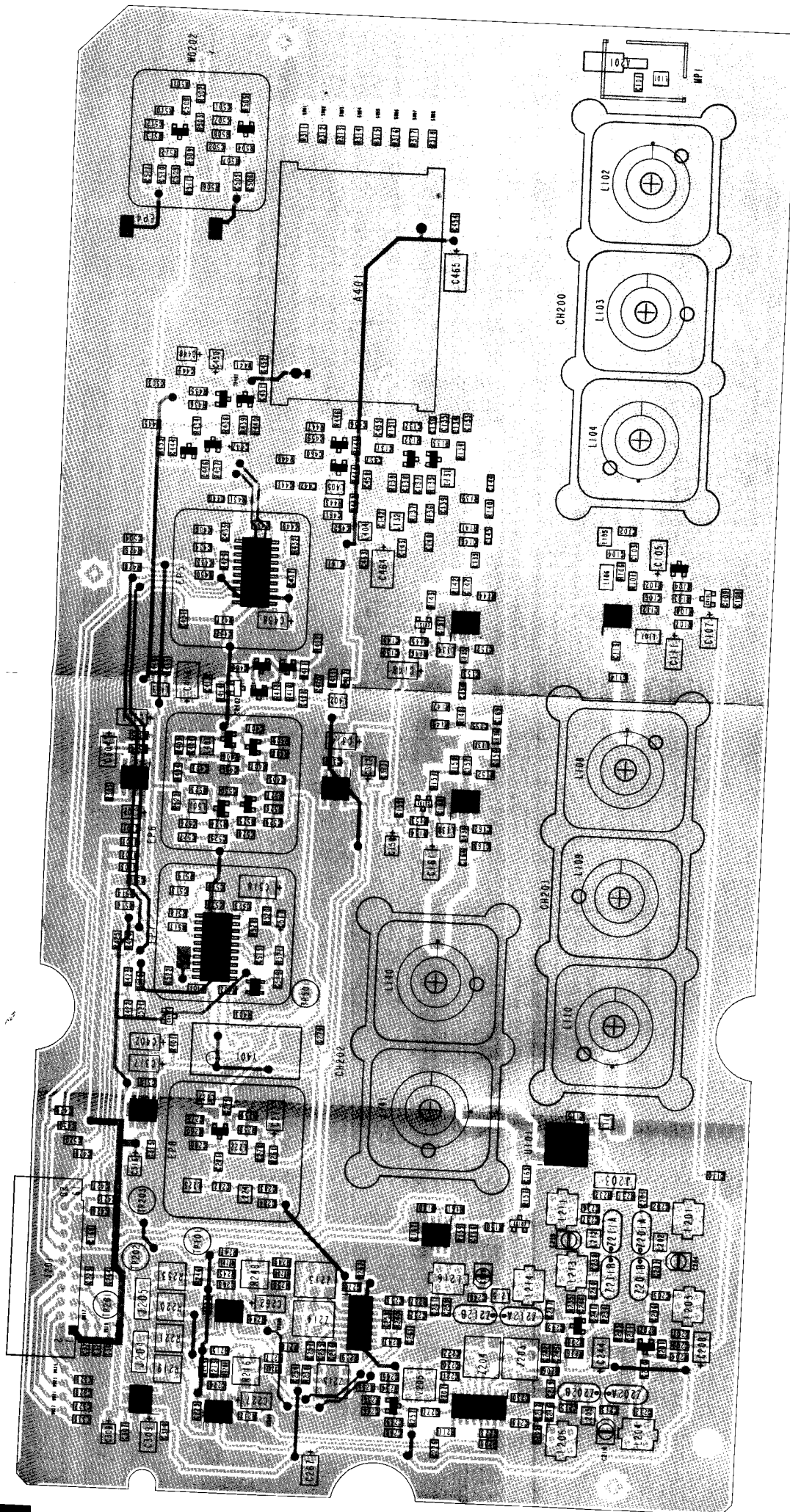
10-12



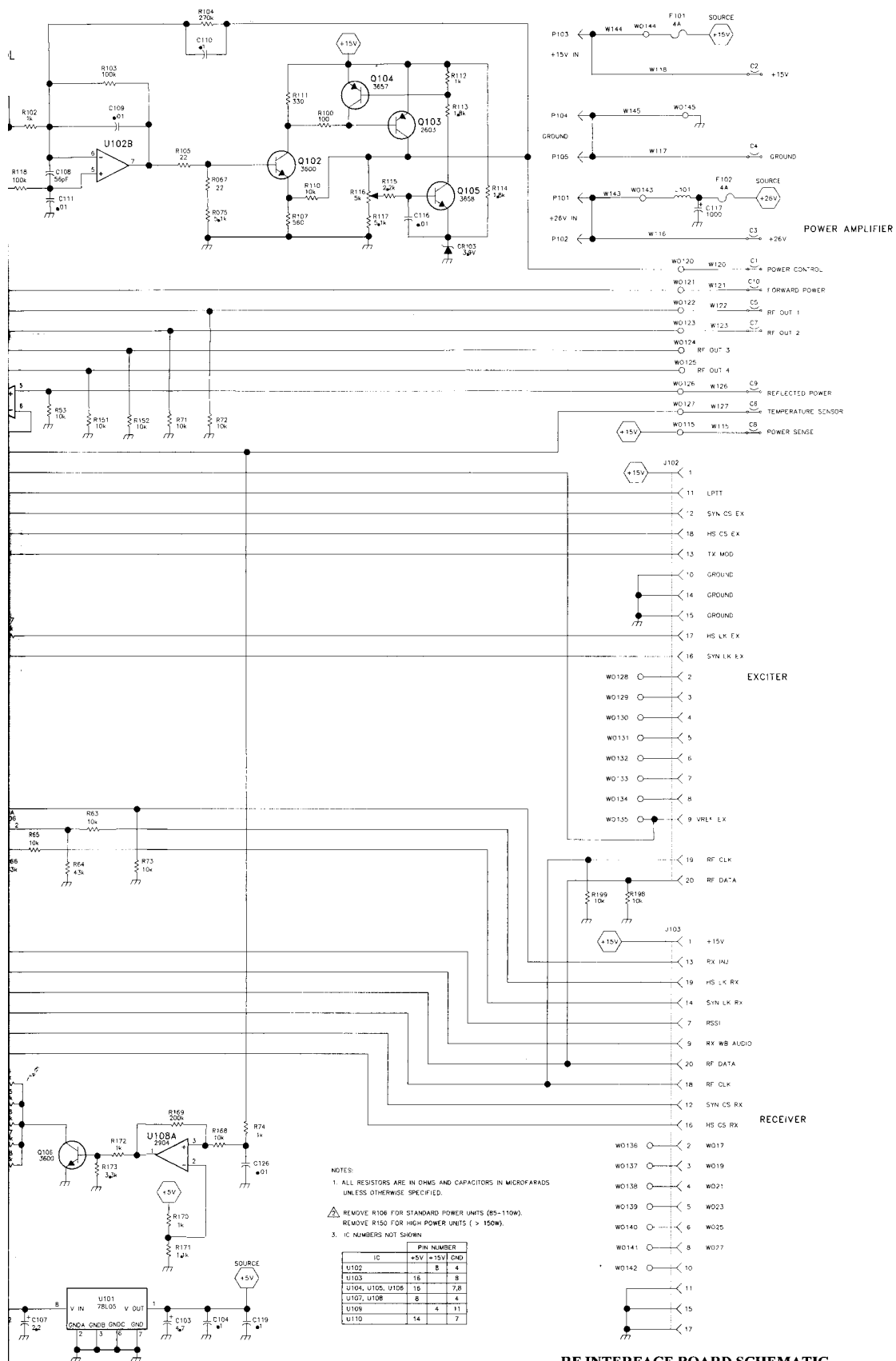


RECEIVER SCHEMATIC
FIGURE 10-14

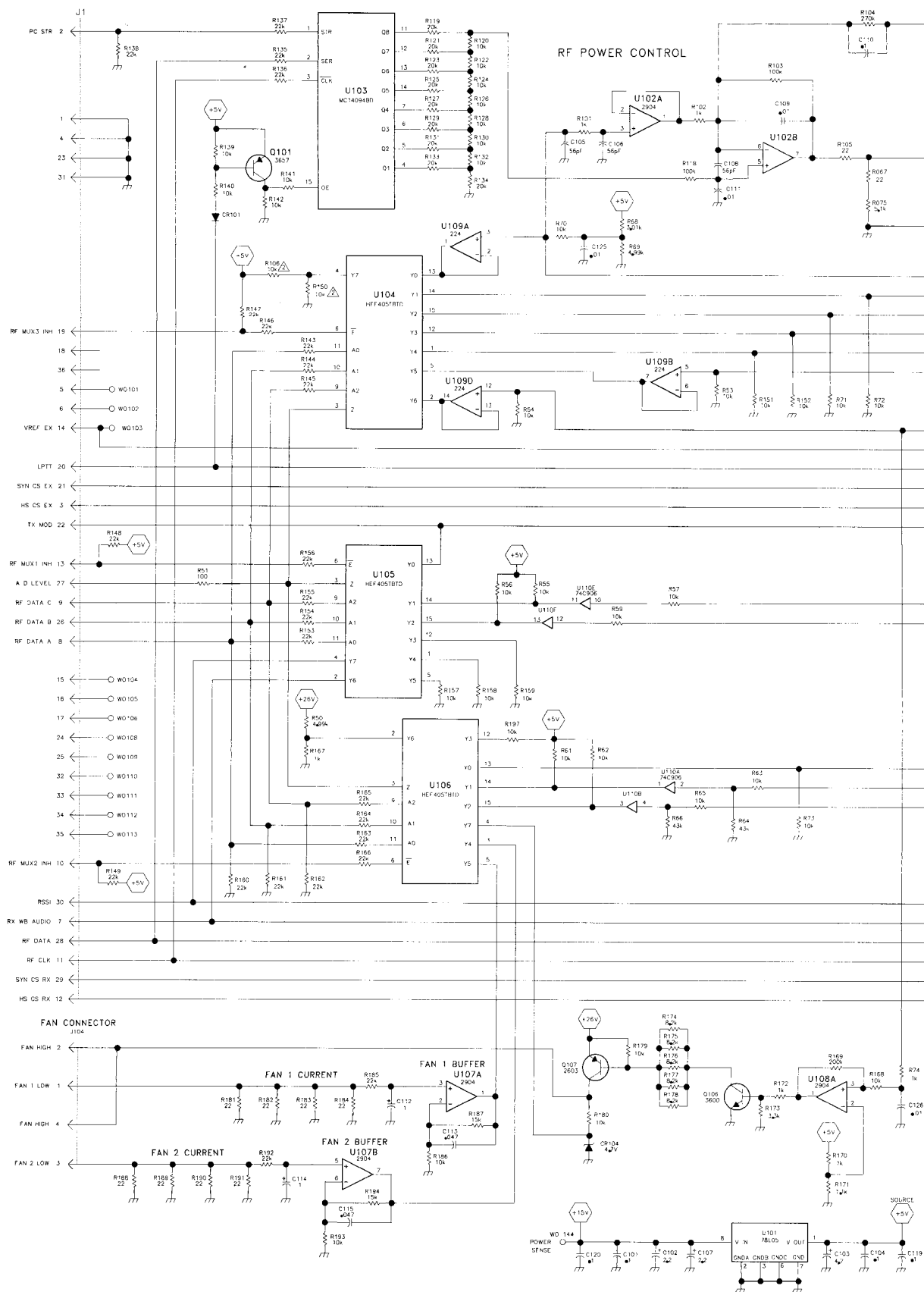
ARE IN OHMS AND ALL CAPACITORS IN MICROFARADS
UNLESS SPECIFIED.



RECEIVER COMPONENT LAYOUT
FIGURE 10-11



**RF INTERFACE BOARD SCHEMATIC
FIGURE 10-10**



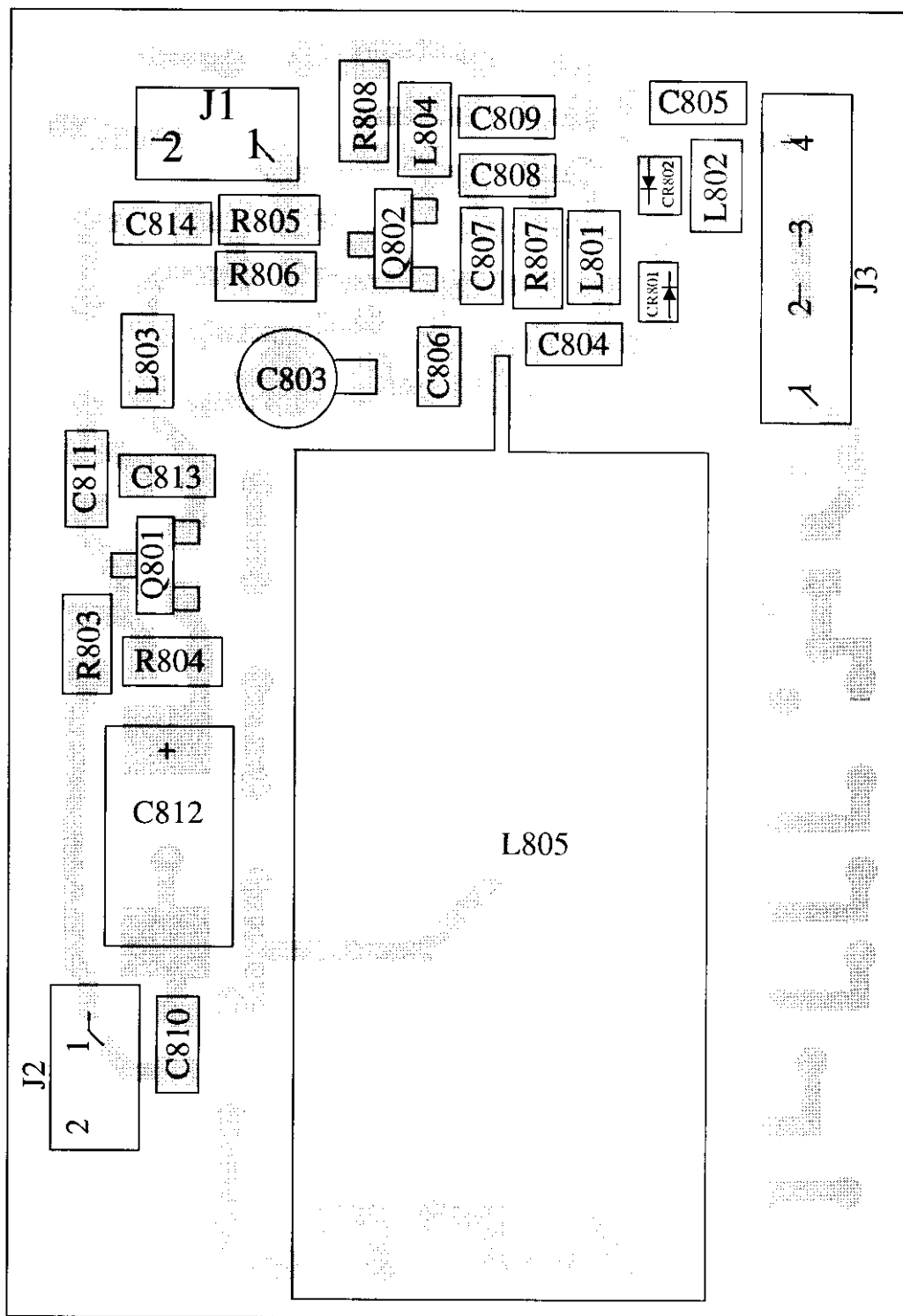


Figure 10-12 RECEIVER VCO COMPONENT LAYOUT

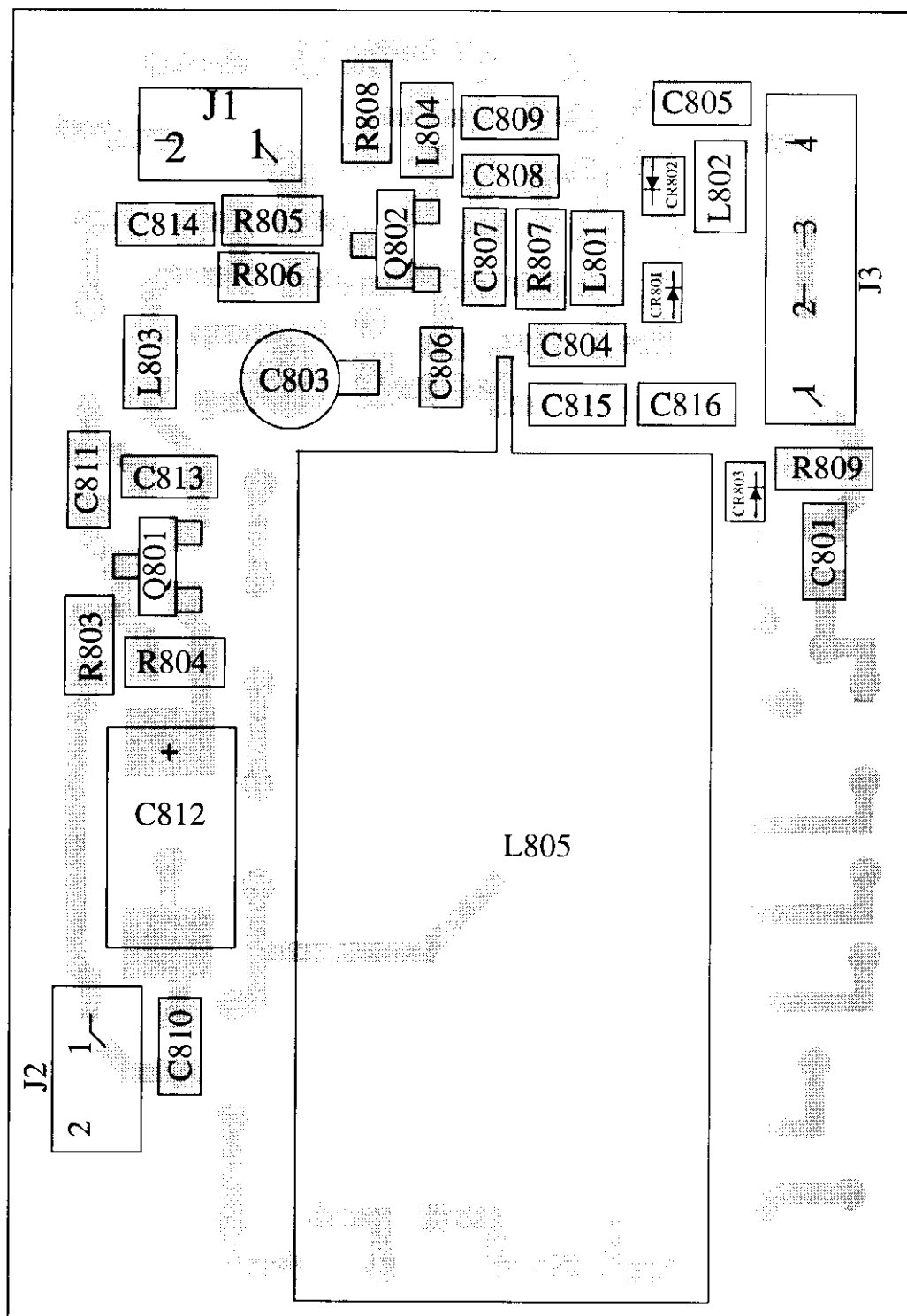


Figure 10-16 TRANSMIT VCO COMPONENT LAYOUT

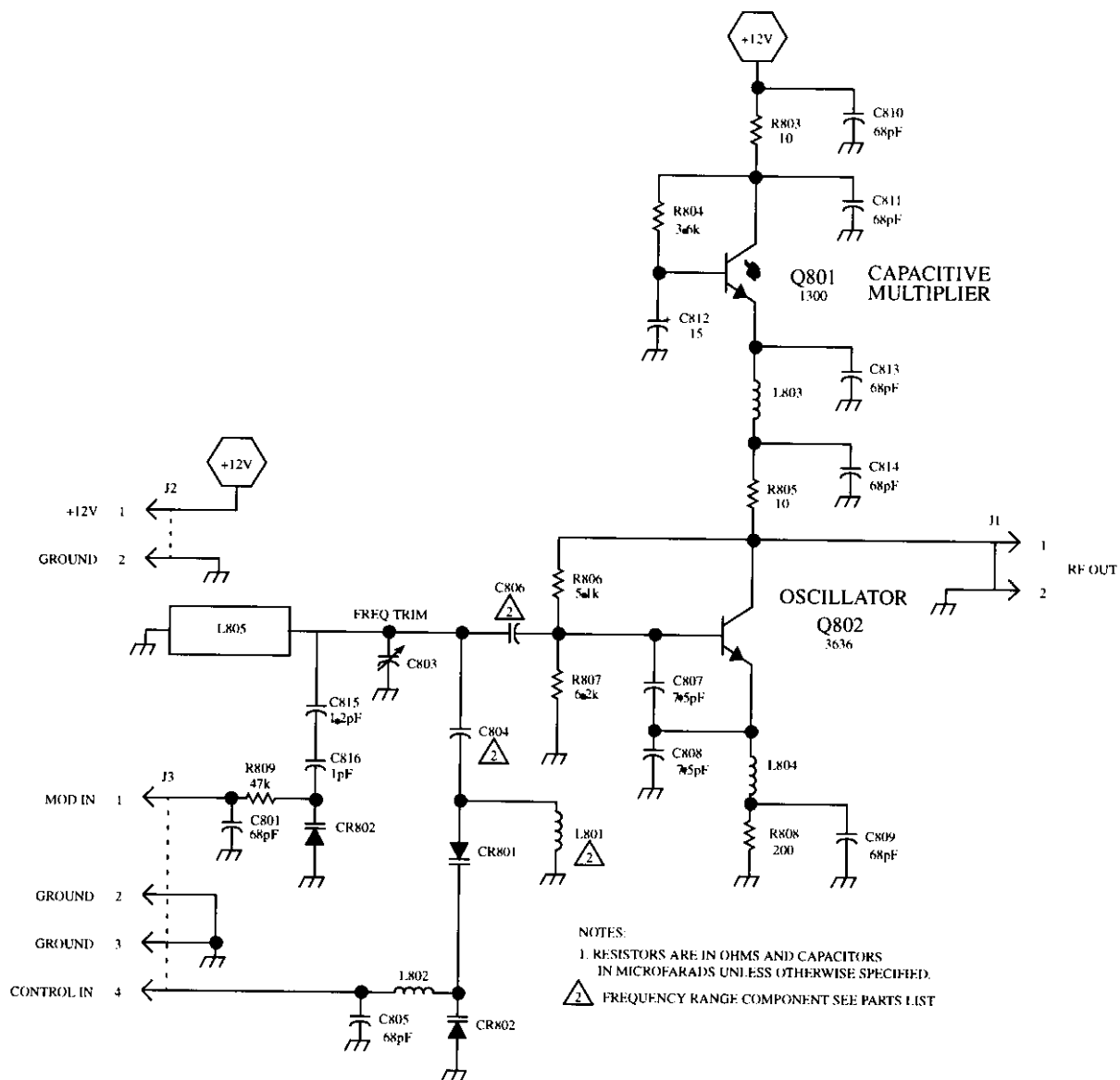


Figure 10-17 TRANSMIT VCO SCHEMATIC

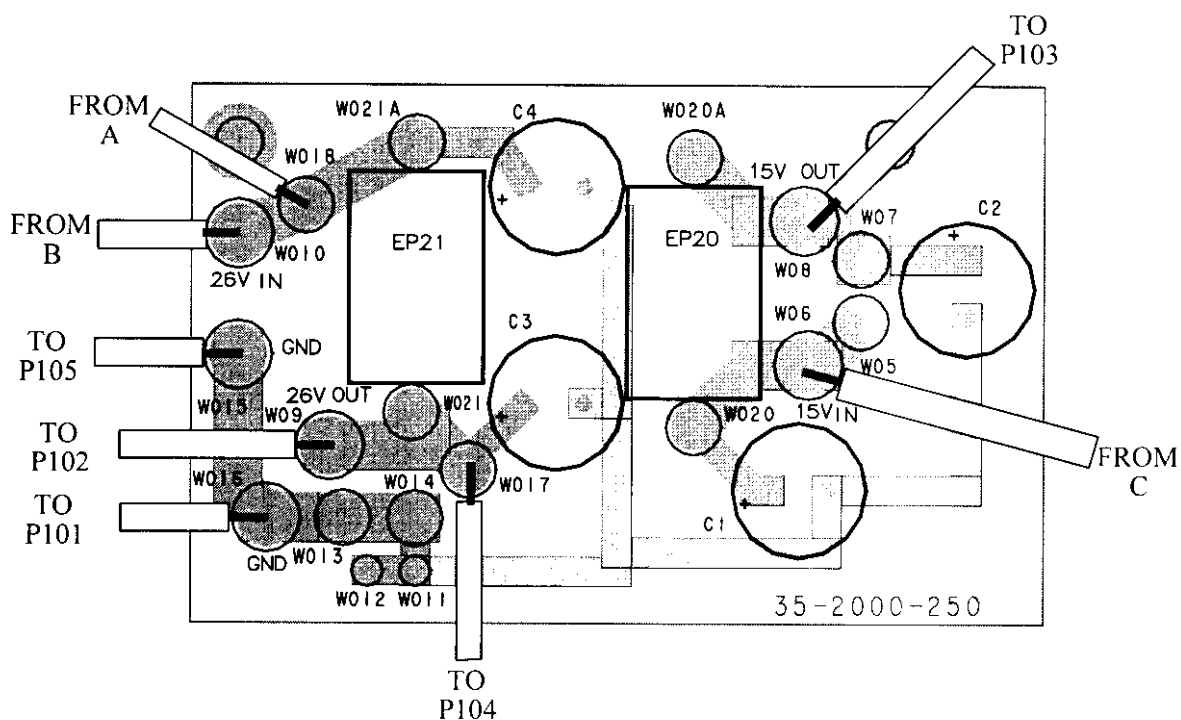


Figure 10-37 POWER SUPPLY FILTER BOARD COMPONENT LAYOUT

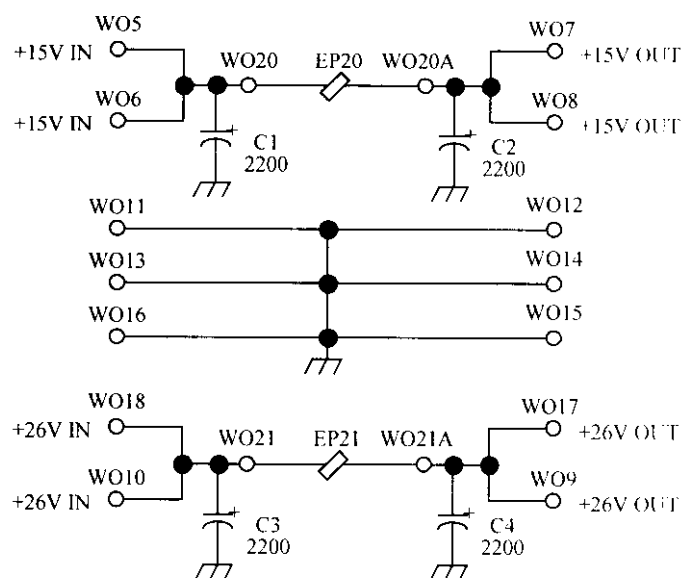


Figure 10-38 POWER SUPPLY FILTER BOARD SCHEMATIC

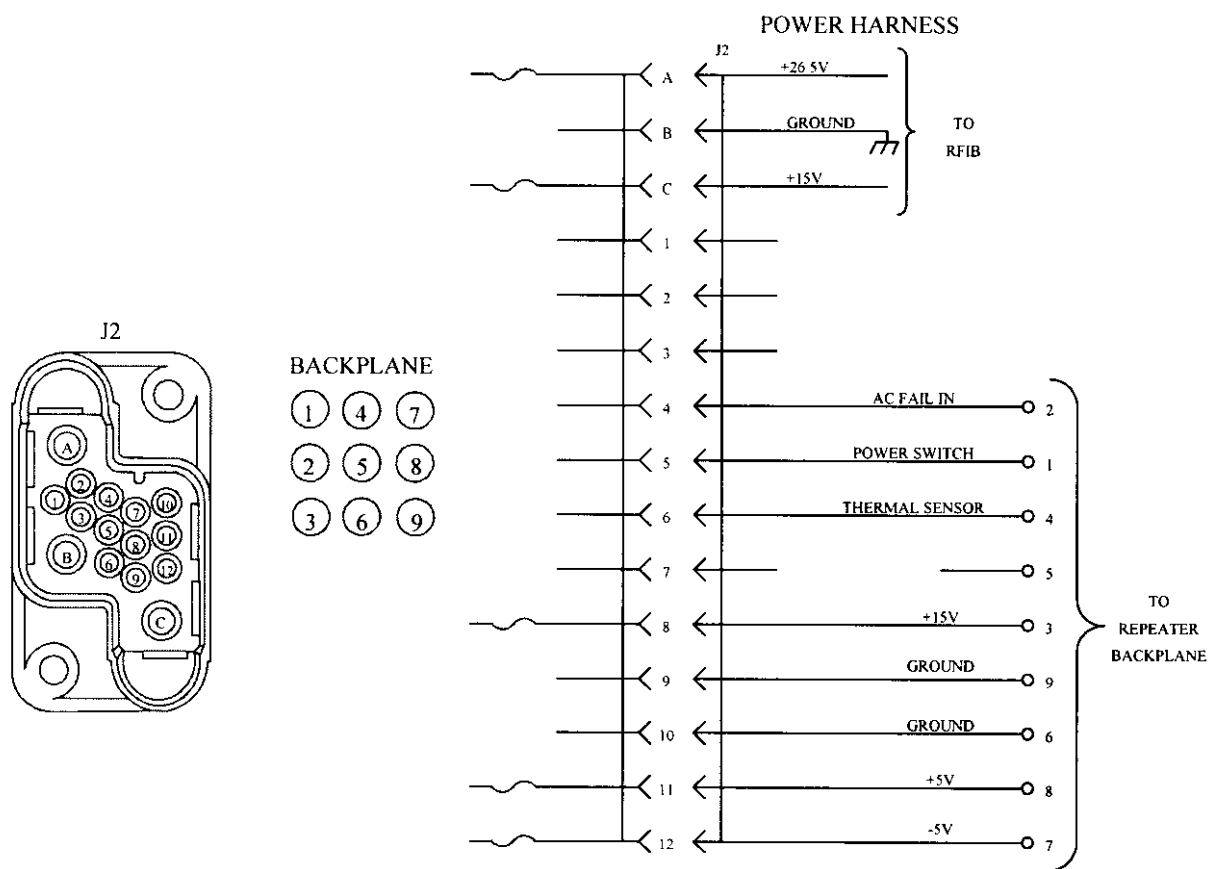


Figure 10-39 POWER CABLE CONNECTOR AND SCHEMATIC