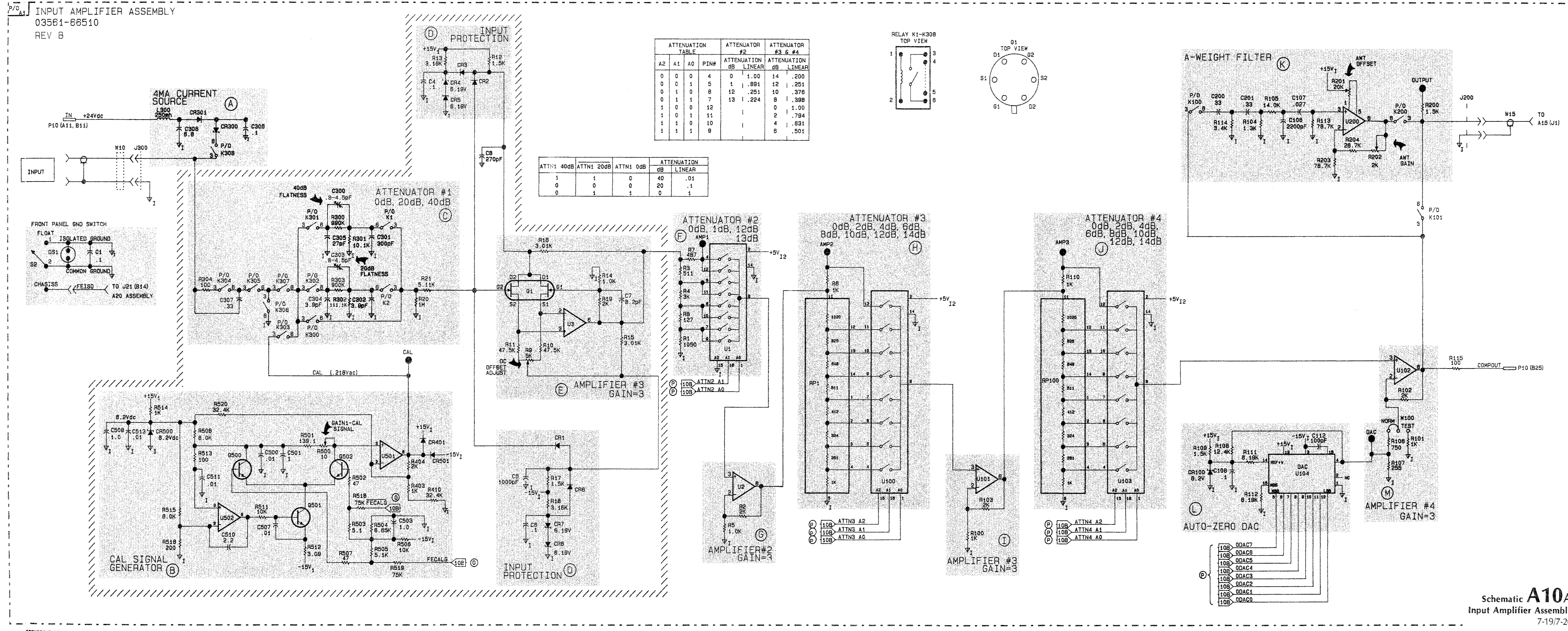
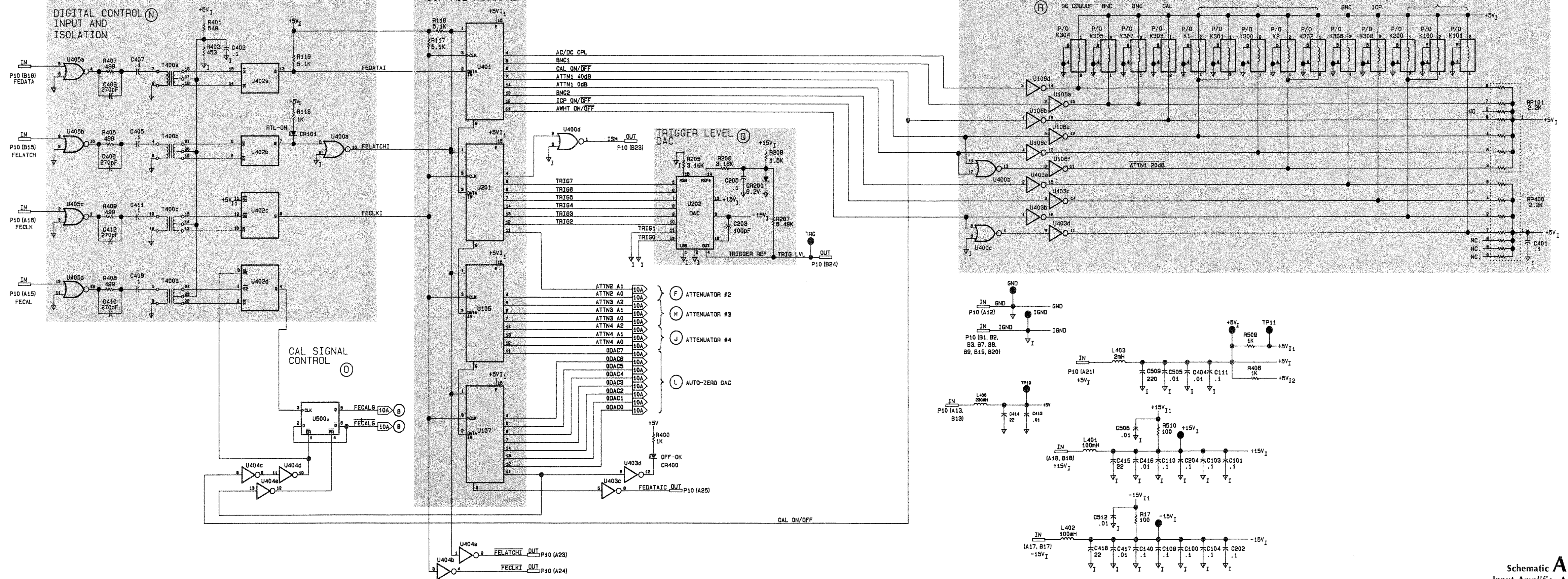


A10 Assembly

	+15V <sub>I</sub>	+15V <sub>II</sub>	-15V <sub>I</sub>	-15V <sub>II</sub>	+5V <sub>I</sub>	GND <sub>I</sub>	+5V	GND	By-Pass Capacitors
U1	13		3						C110, C109
U2	7		4						
U3	7		4						C101, C100
U100	13		3						C103, C104
U101	7		4						C202
U102	7		4				16	8	
U103	13		3				9	8	
U104	13		3				16	8	
U105							16	8	
U106							14	7	
U107							16	8	
U200	7		4						C204
U201							16	8	
U202	13		3				14	7	
U400							16	8	
U401							16	8	
U402							16	8	
U403							9	8	
U404							14	7	
U405							14	7	
U500	7		4				14	7	
U501									
U502		7		4					

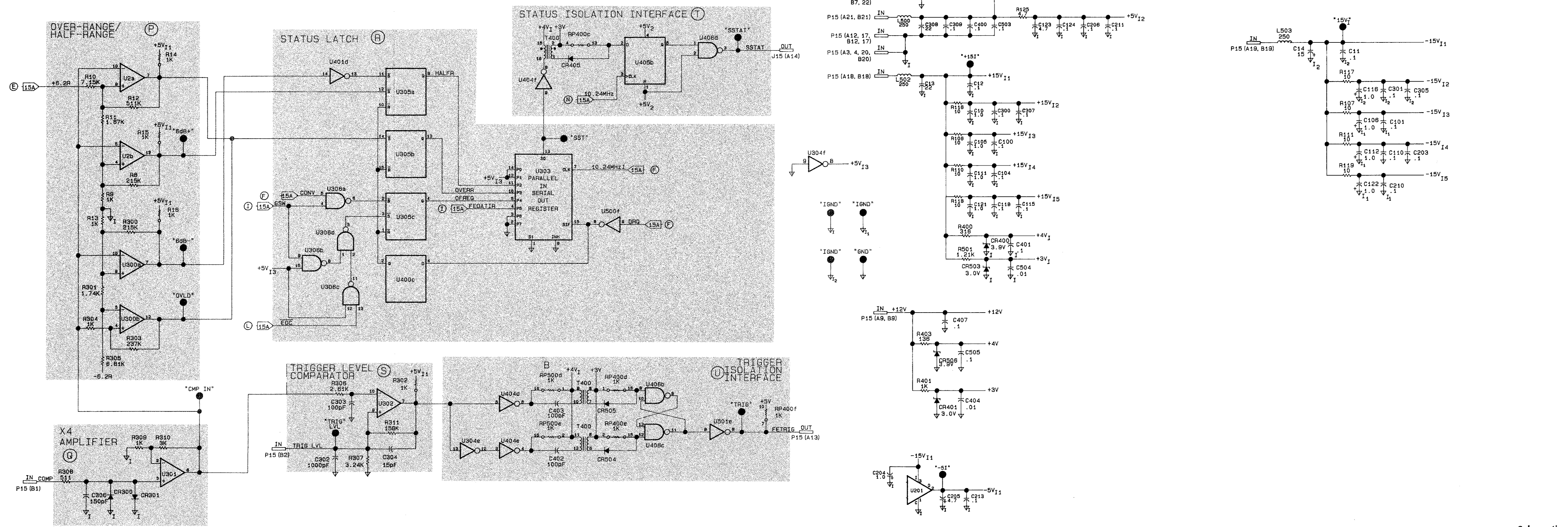


**A10 INPUT AMPLIFIER ASSEMBLY**  
 03561-86510  
 REV B



Schematic **A10B**  
 Input Amplifier Assembly  
 7-21/7-22

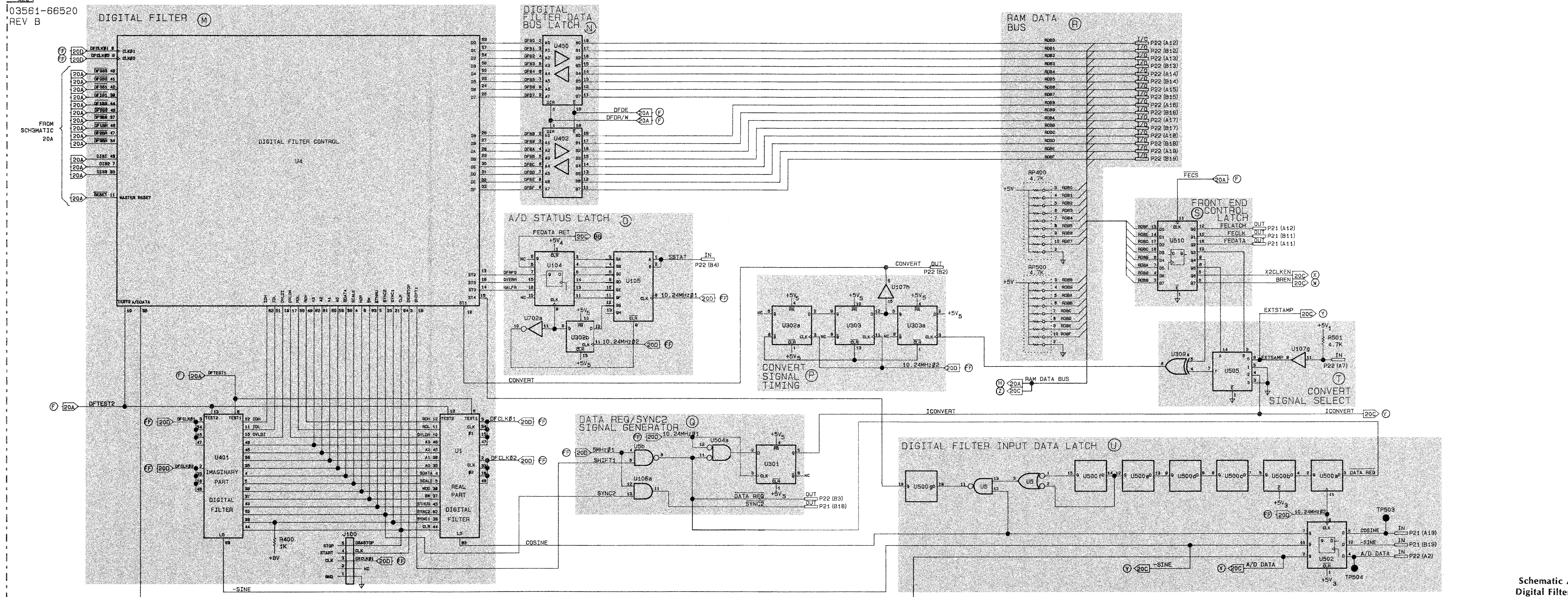


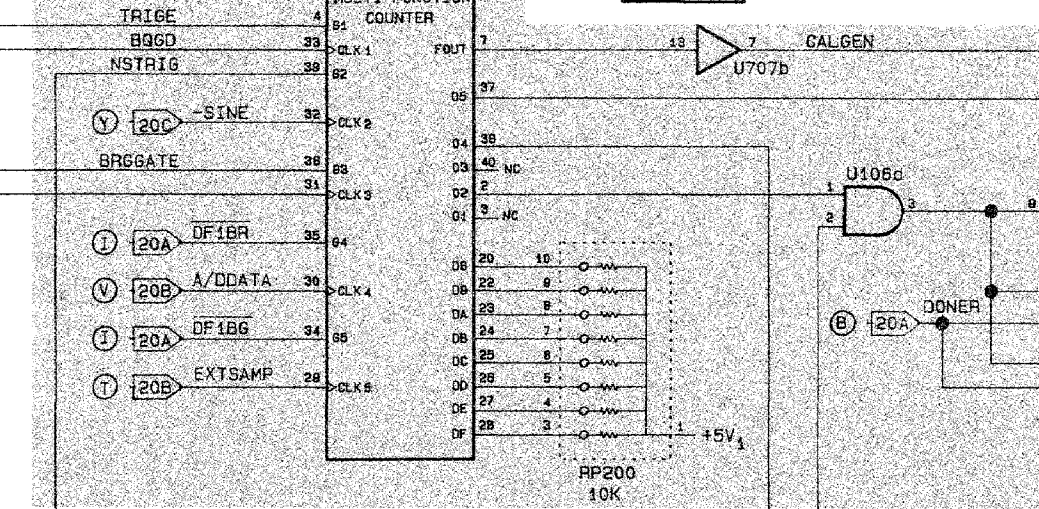
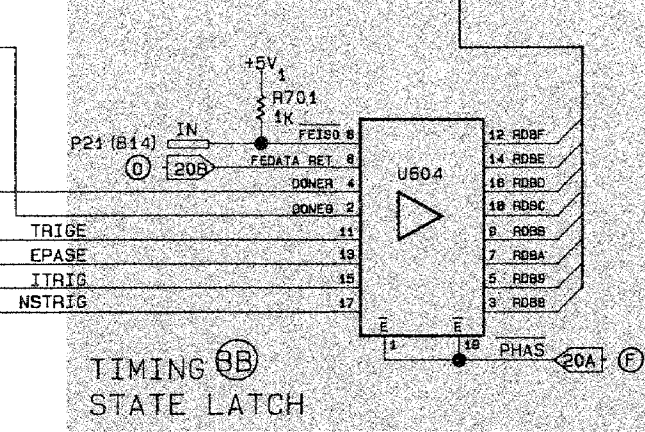
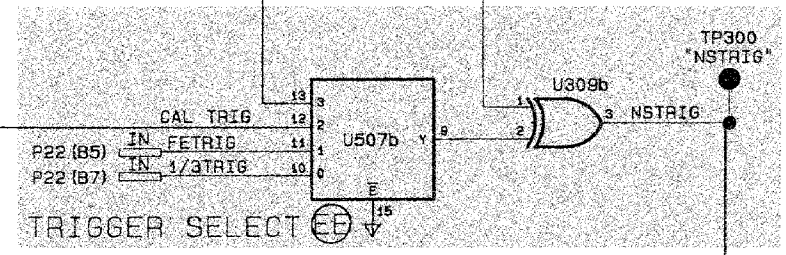
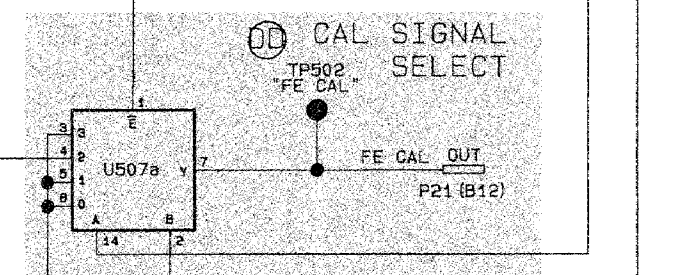
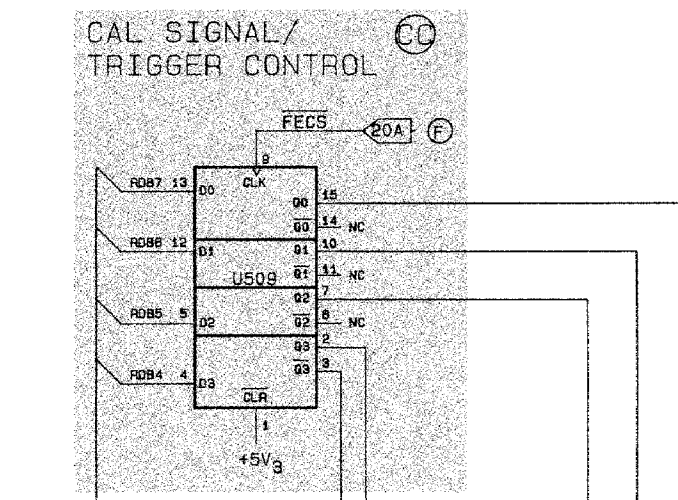
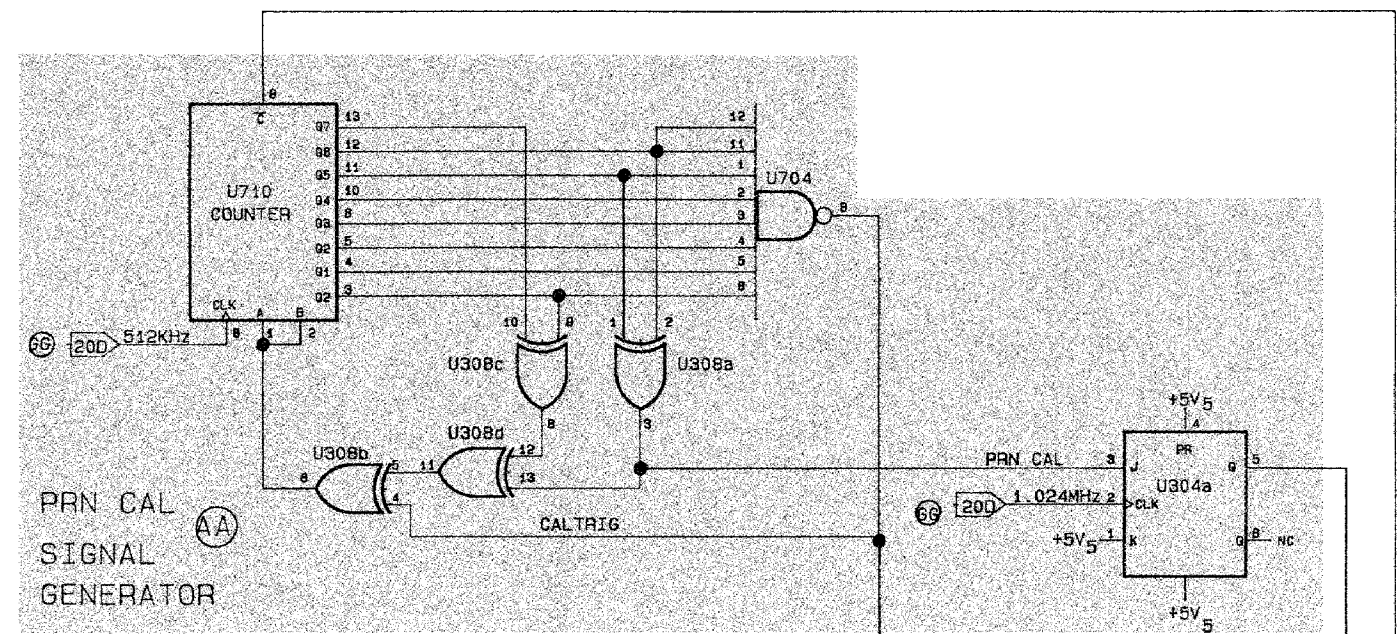
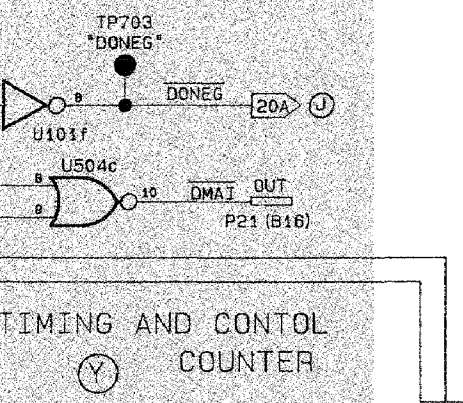
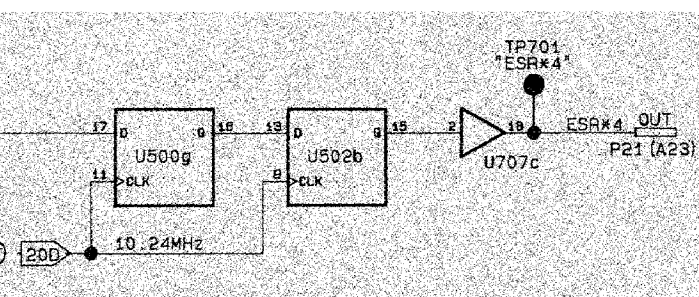
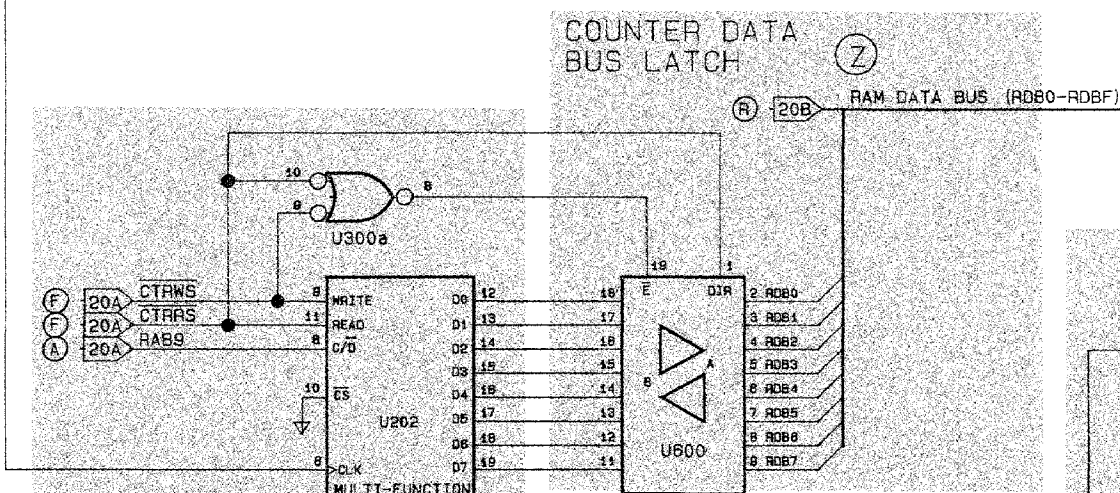
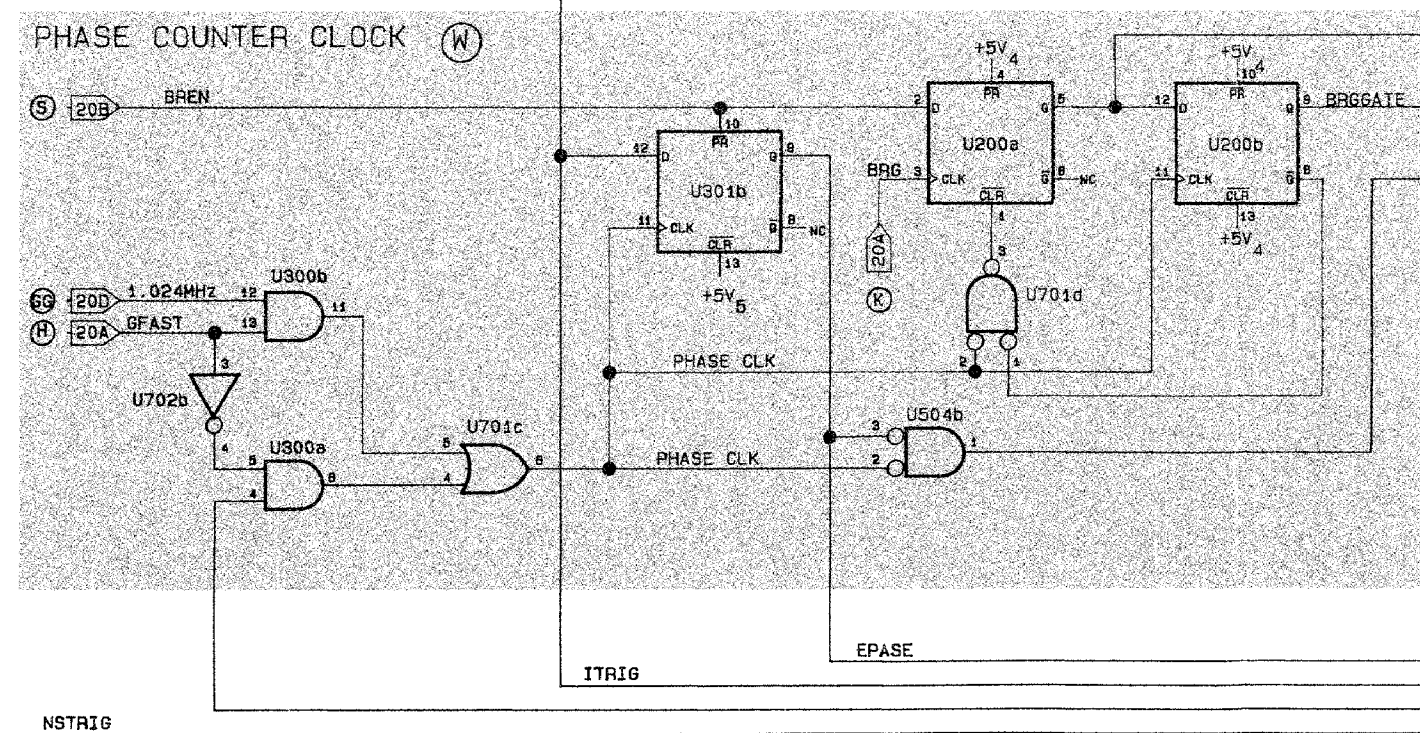
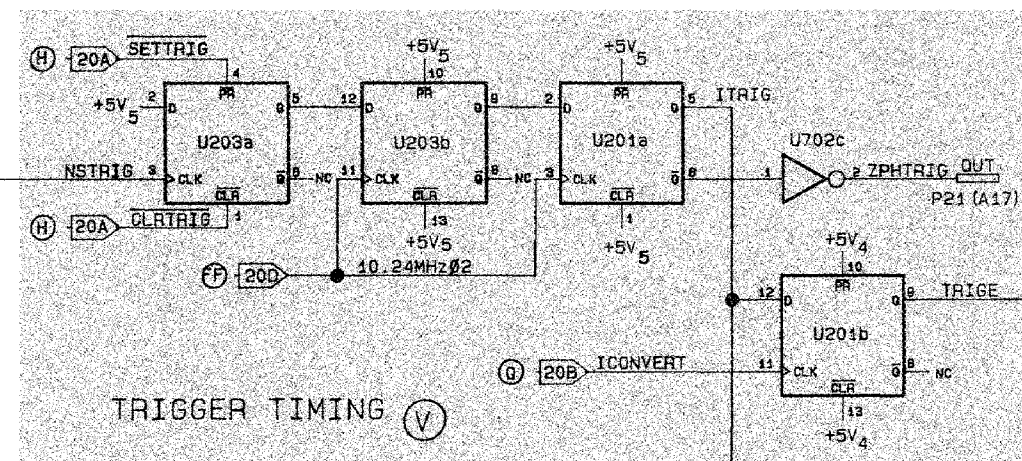
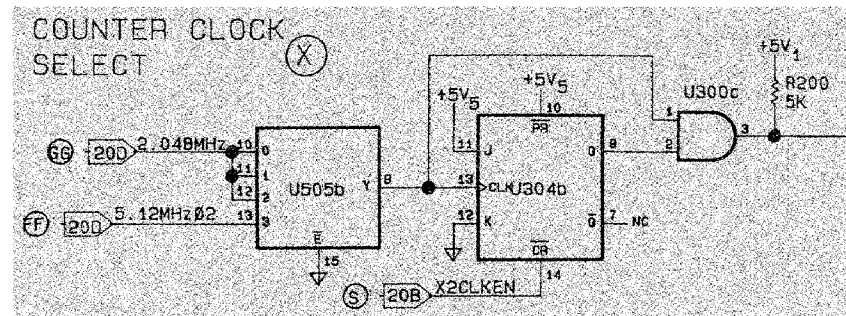




F70 A20 DIGITAL FILTER ASSEMBLY

03561-66520  
REV B









A30 Assembly

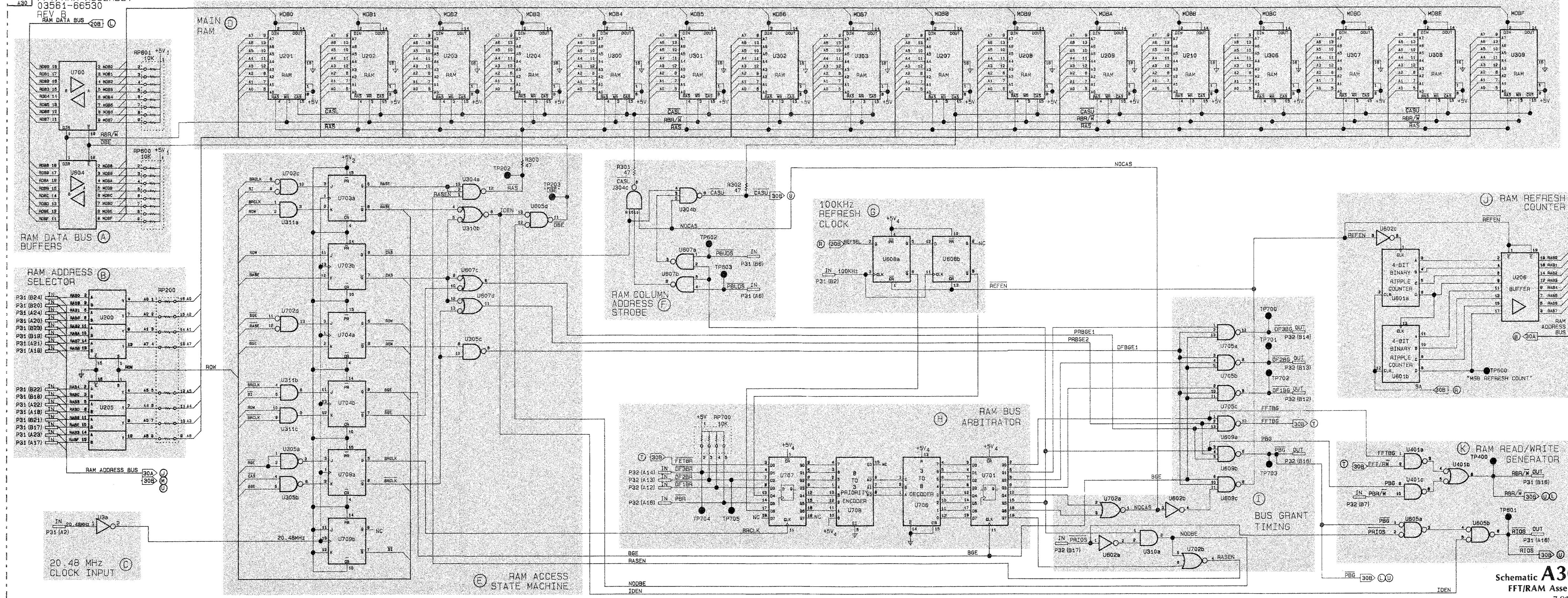
All integrated circuits are corner powered except those shown in the table below. Corner powered ICs have ground connected to the lower left pin, and +5 V connected to the upper right pin regardless of the total pin count. (eg., for a 16 pin DIP, ground is connected to pin 8 and +5 V is connected to pin 16)

Corner Power



	+5V	GND
U100	30	10
U201	8	16
U202	8	16
U203	8	16
U204	8	16
U207	8	16
U208	8	16
U209	8	16
U210	8	16
U300	8	16
U301	8	16
U302	8	16
U303	8	16
U304	8	16
U305	8	16
U306	8	16
U307	8	16
U308	8	16
U309	8	16

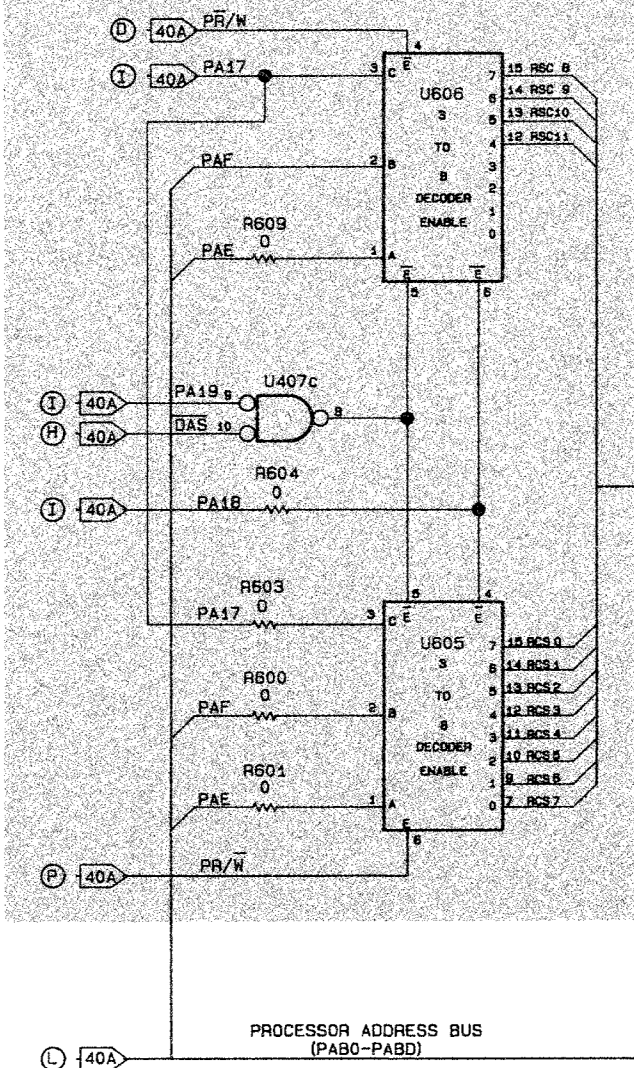
FFTRAM ASSEMBLY  
03561-66530  
REV B  
RAM DATA BUS



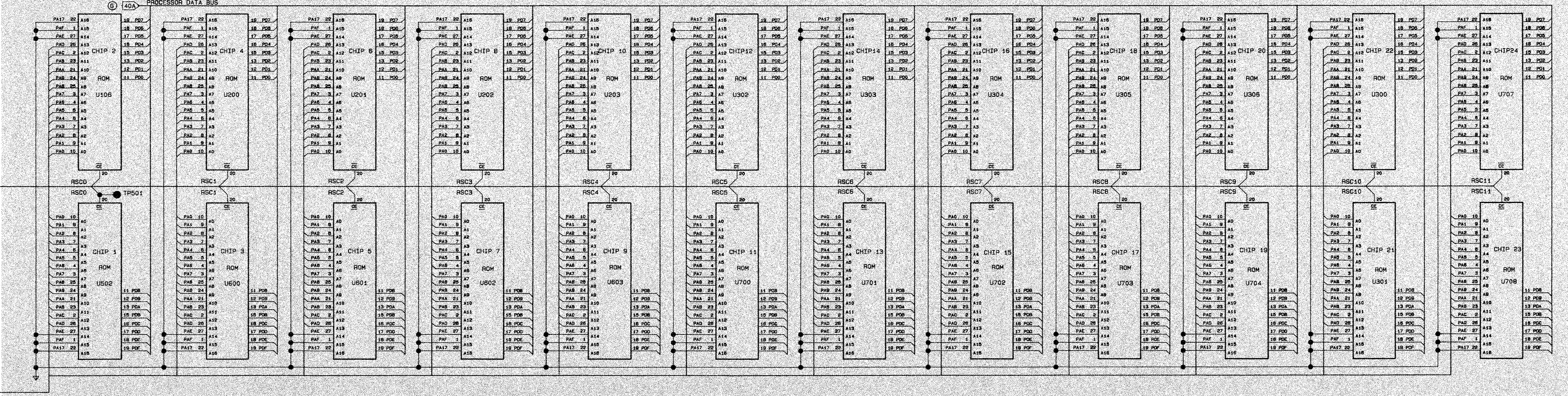


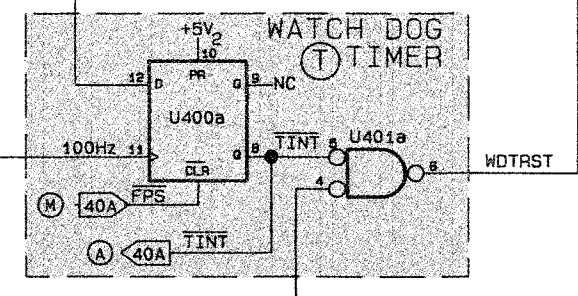
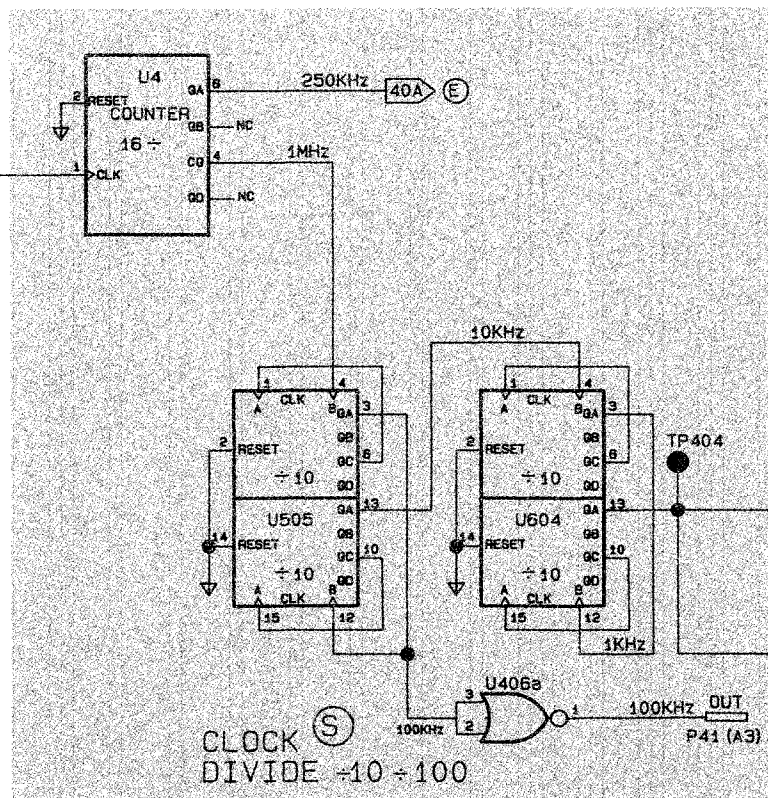
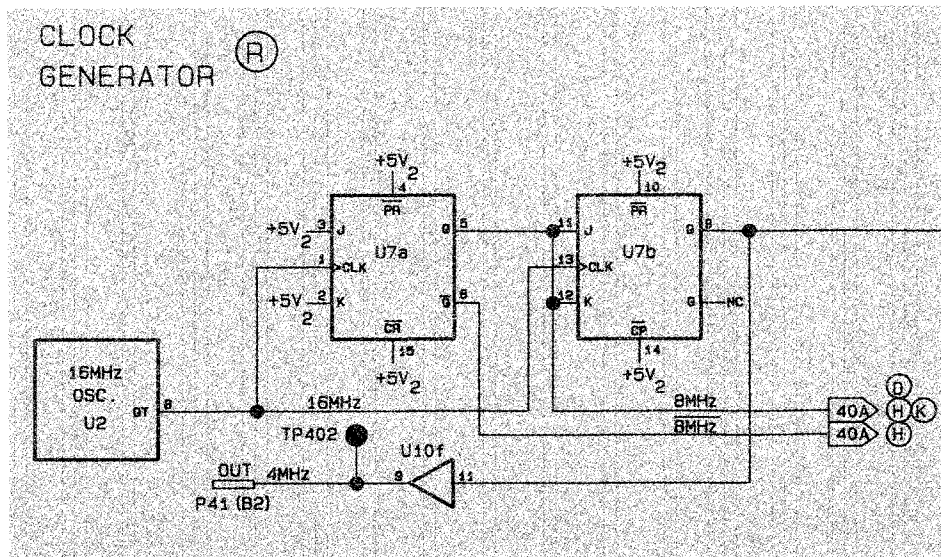
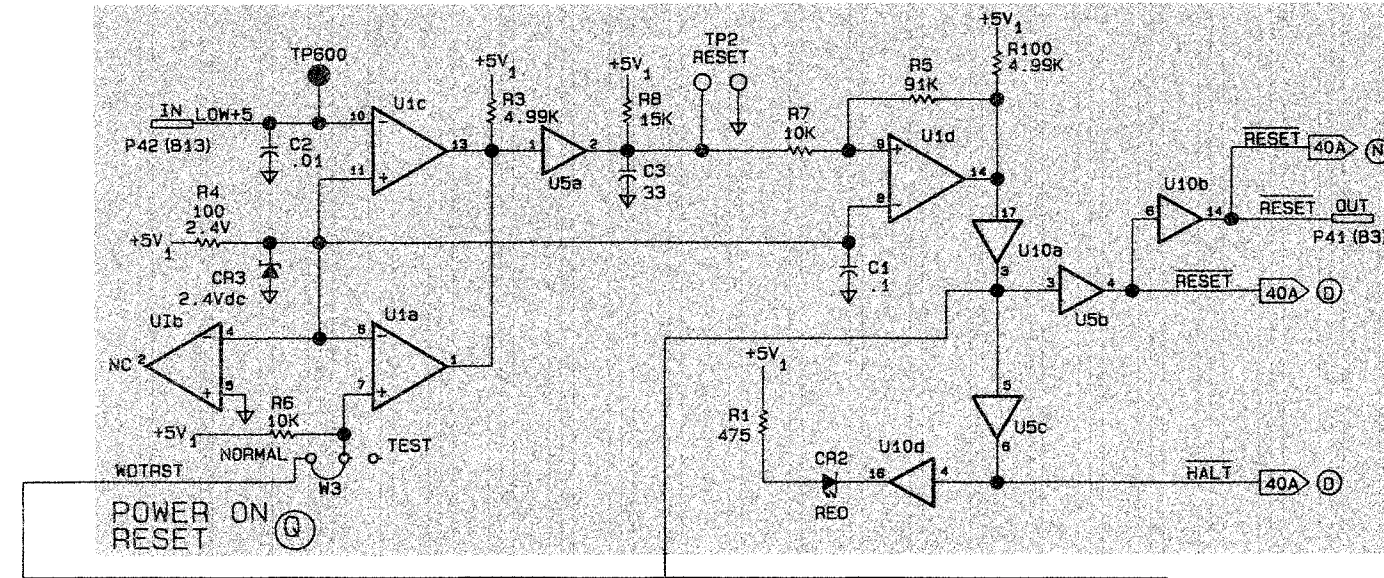


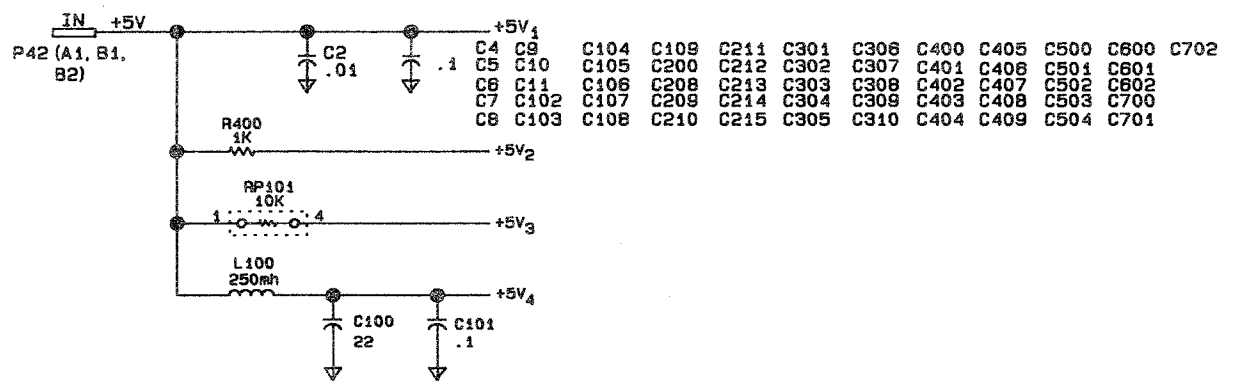
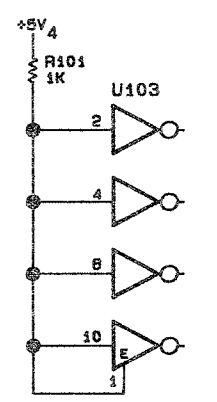
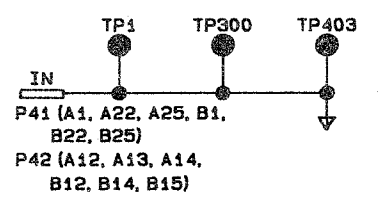
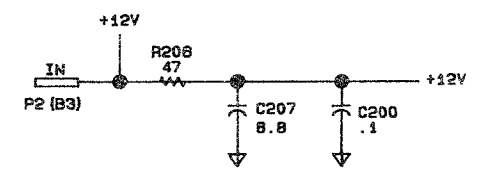
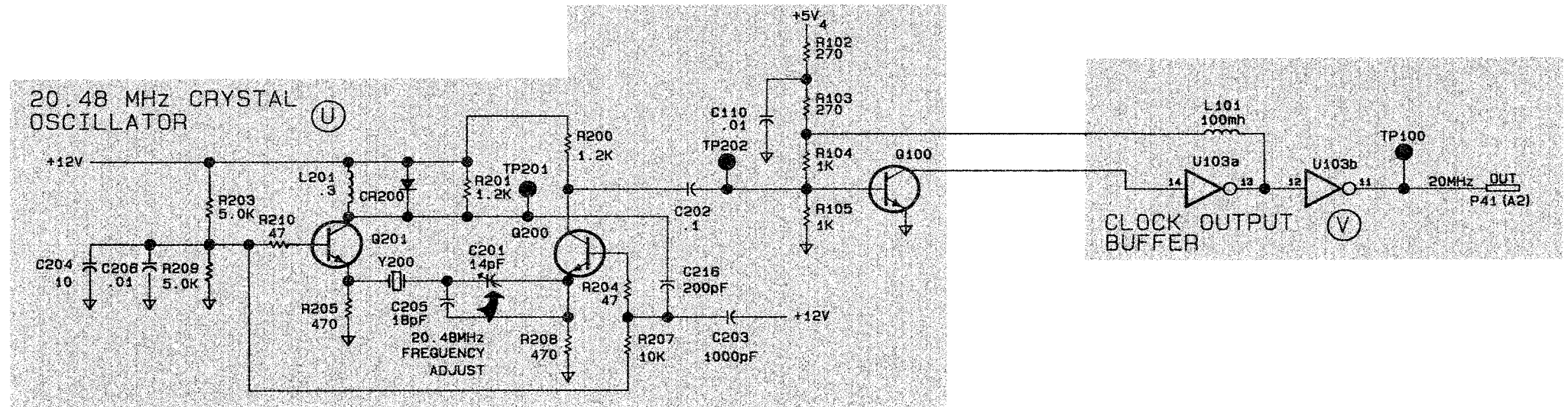
ROM ADDRESSING  
DECODING



ROM

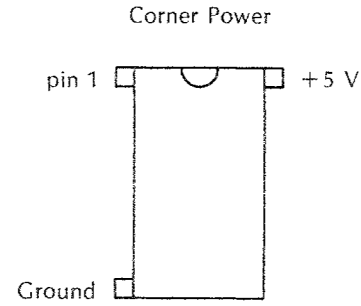




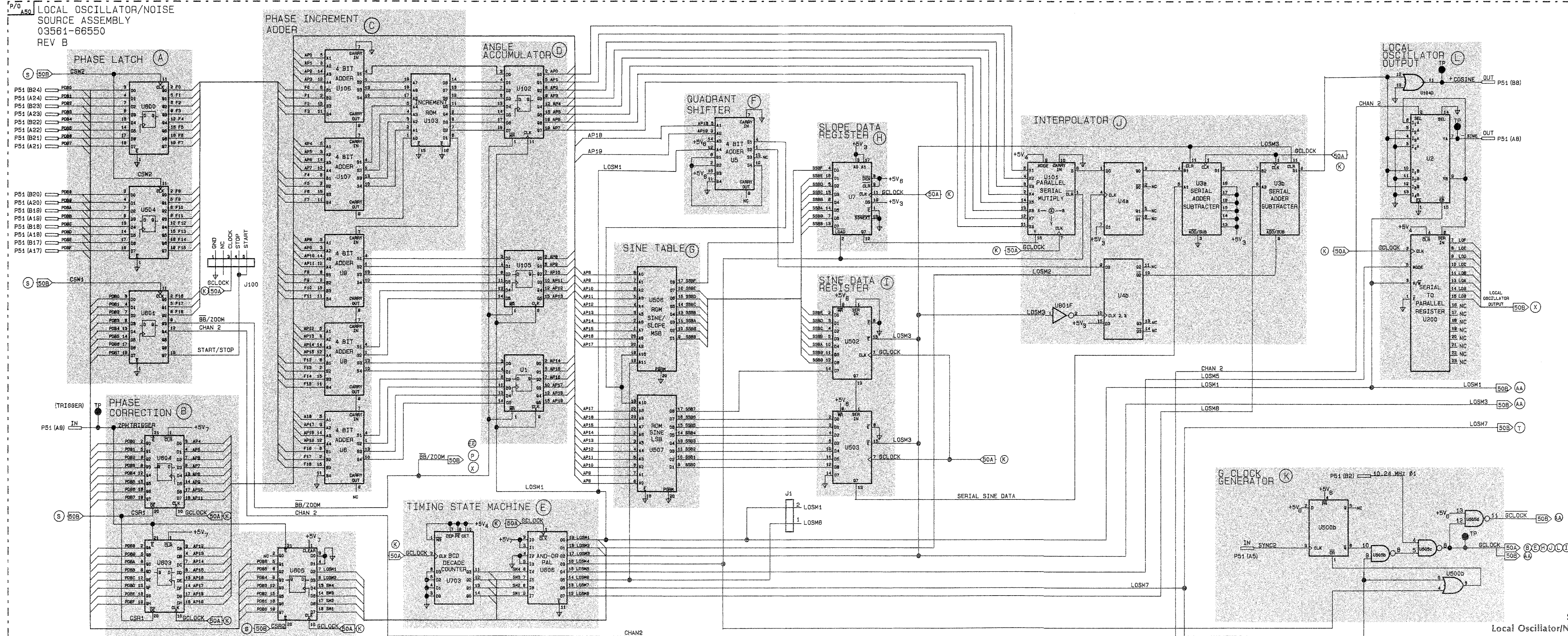


**A50 Assembly**

All integrated circuits are corner powered except those shown in the table below. Corner powered ICs have ground connected to the lower left pin, and +5 V connected to the upper right pin regardless of the total pin count. (eg., for a 16 pin DIP, ground is connected to pin 8 and +5 V is connected to pin 16)

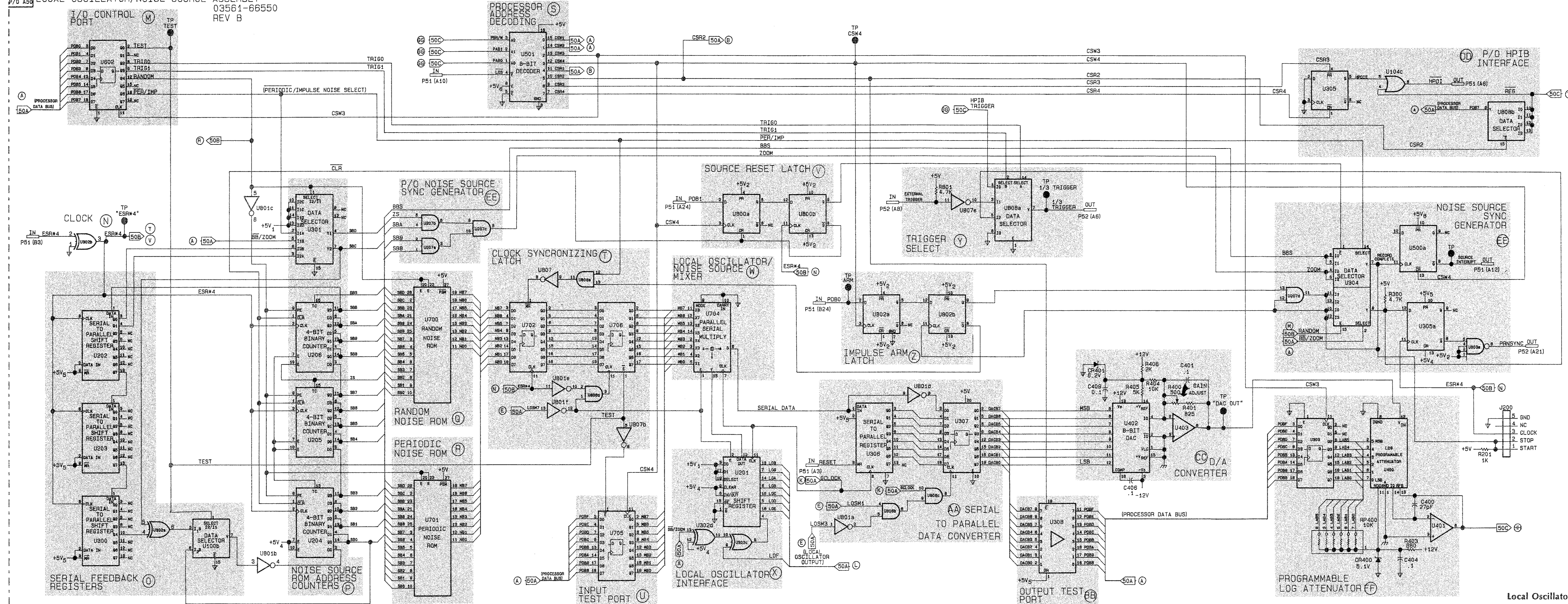


	+12V	+12V <sub>1</sub>	+12V <sub>2</sub>	+12V <sub>3</sub>	+12V <sub>4</sub>	-12V	-12V <sub>1</sub>	-12V <sub>2</sub>	-12V <sub>3</sub>	-12V <sub>4</sub>	+5V	GND
U401												
U402	13											
U403												
U404			7									
U506				7							24,21	12
U507					7						24,21	12
U805											40	
U901							7					
U902	1							4				



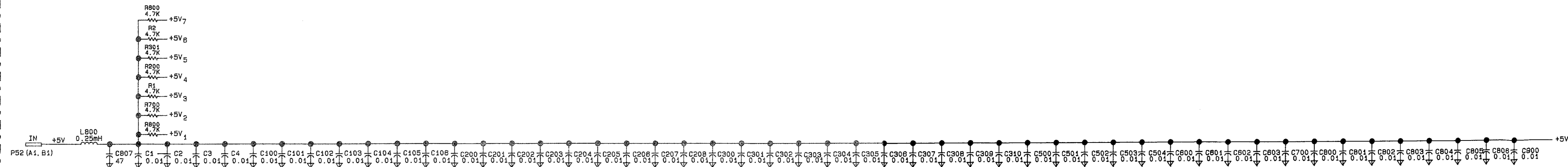
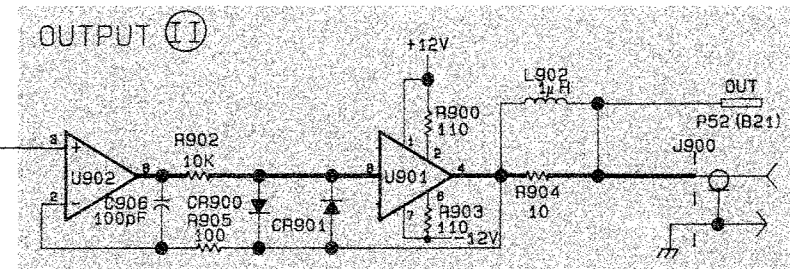
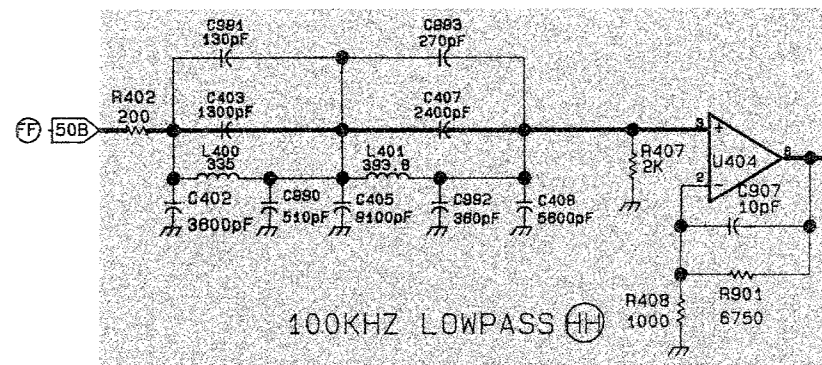
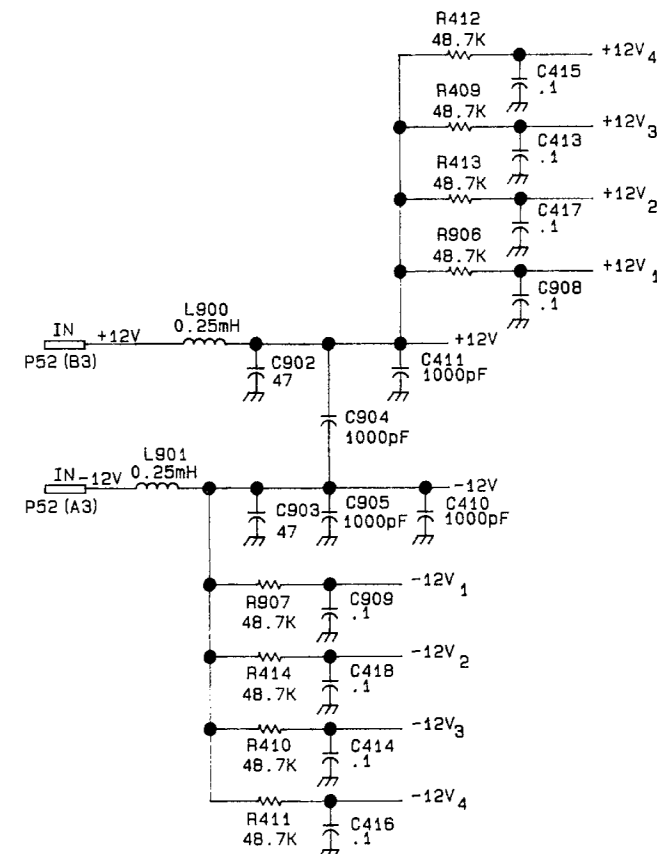
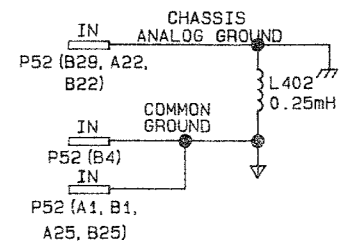
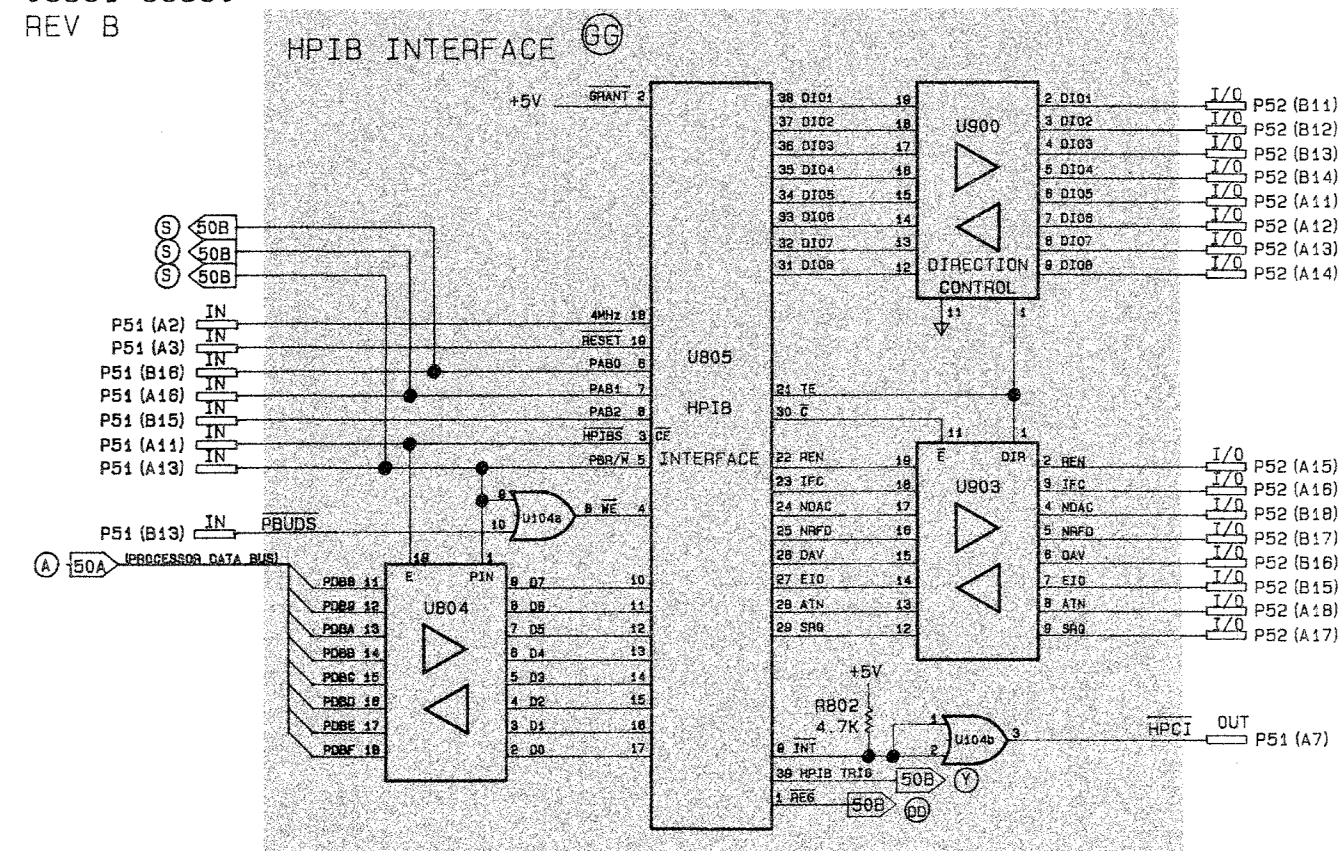
P/O A50B LOCAL OSCILLATOR/NOISE SOURCE ASSEMBLY

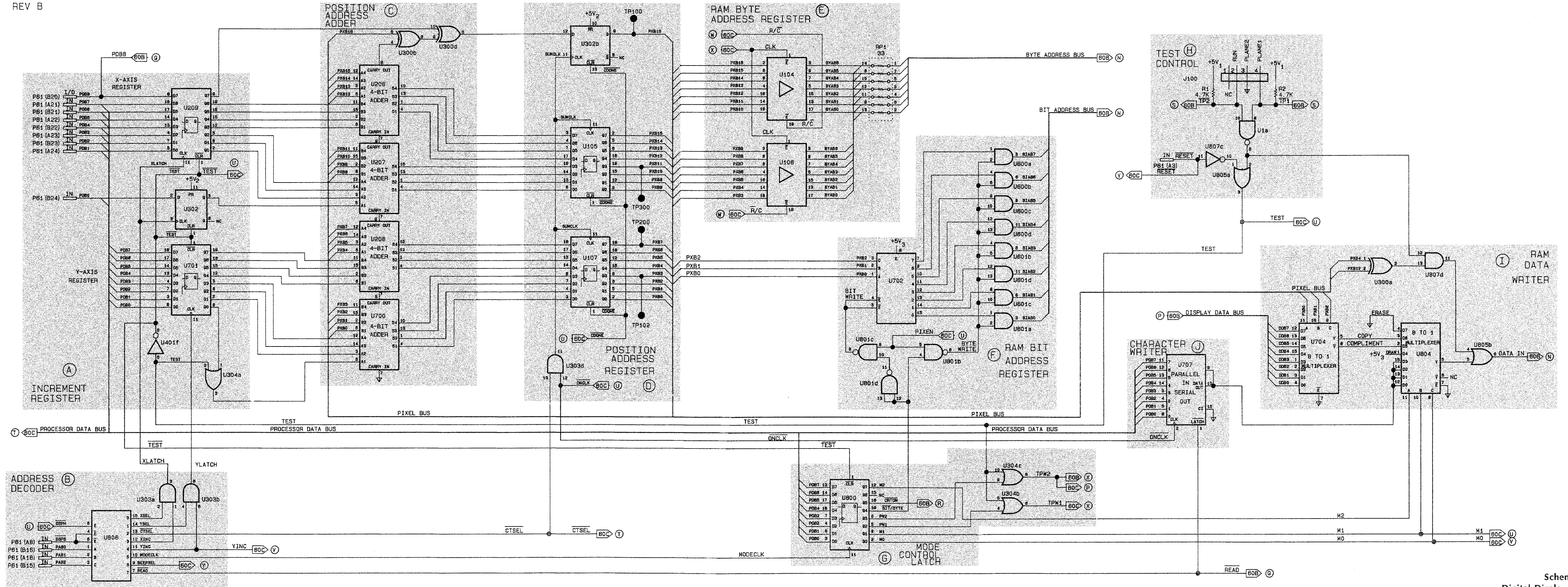
03561-66550  
REV B

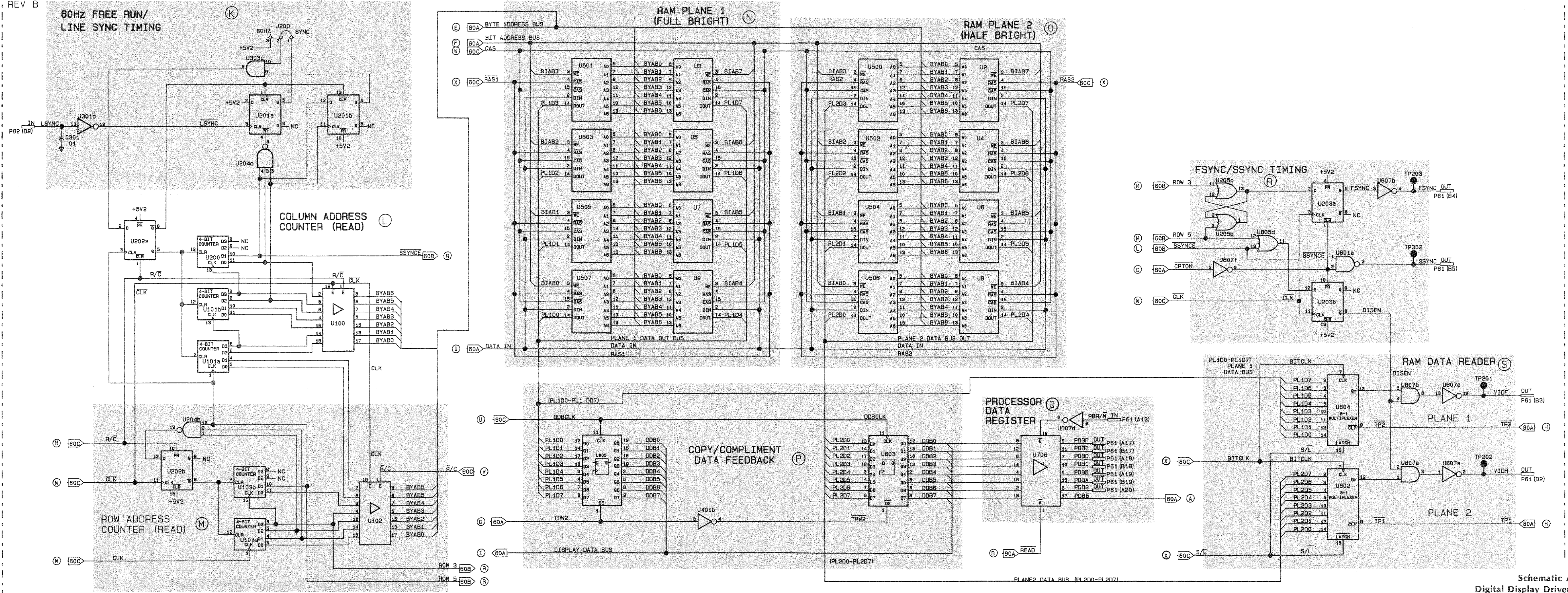


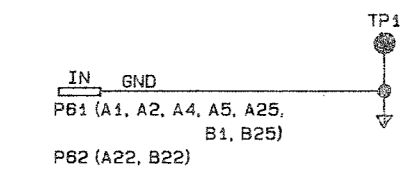
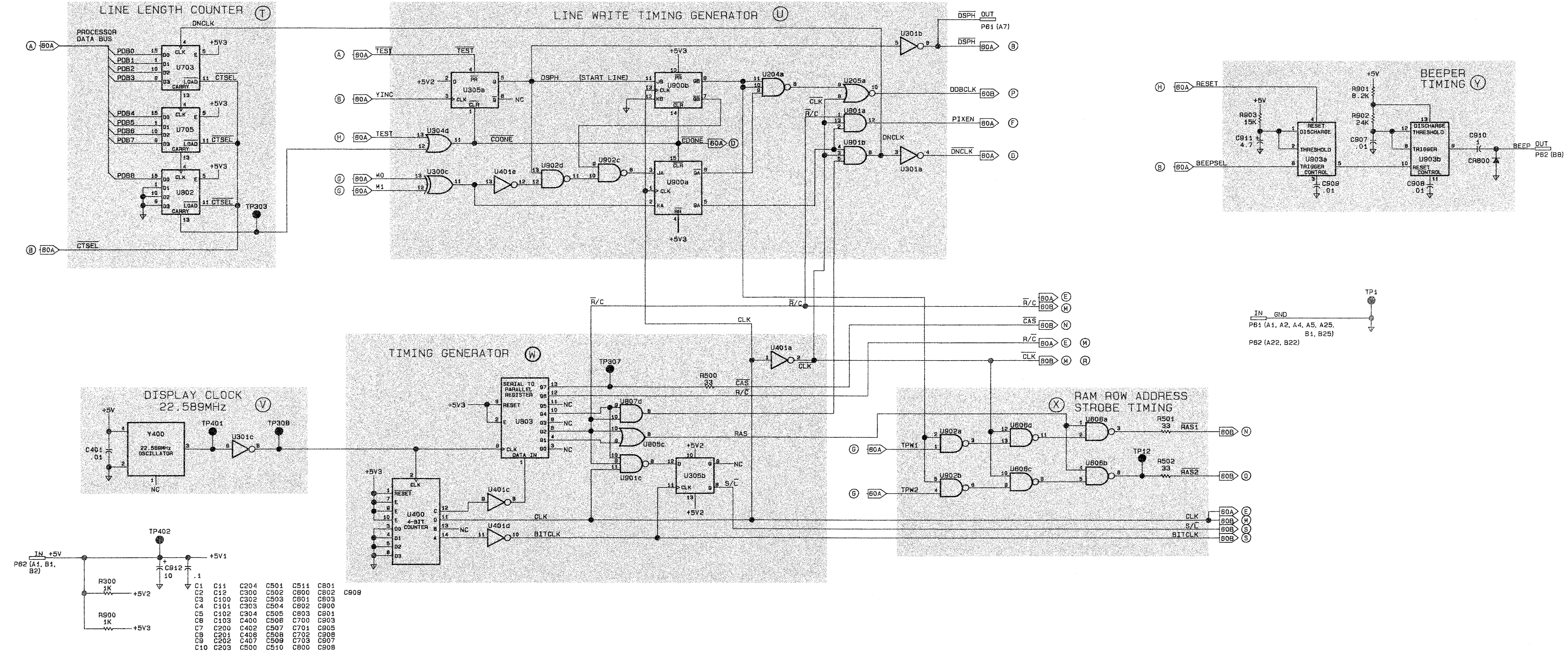


P/D  
A50 LOCAL OSCILLATOR/NOISE  
SOURCE ASSEMBLY  
03561-66550  
REV B



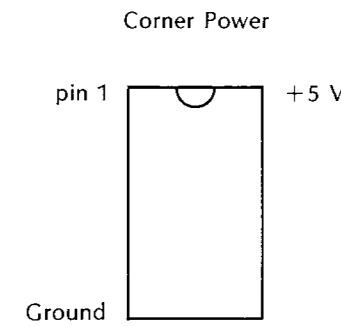






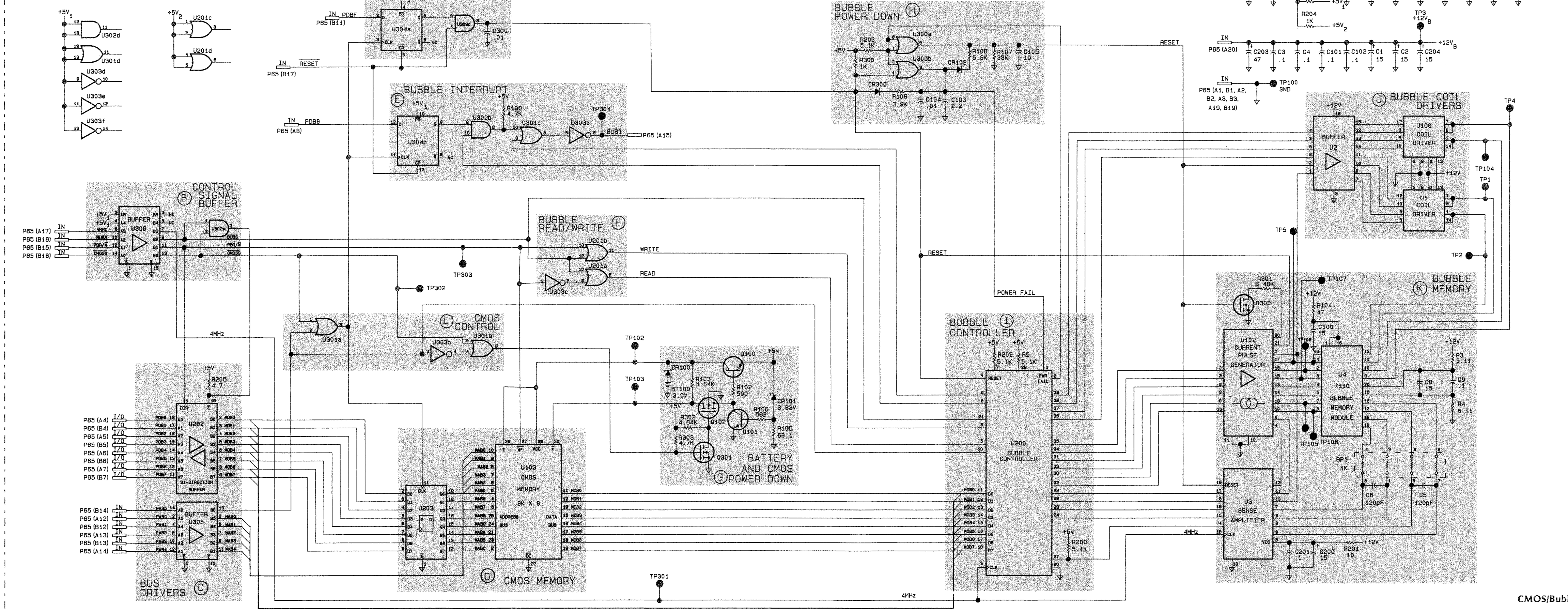
**A65 Assembly**

All integrated circuits are corner powered except those shown in the table below. Corner powered ICs have ground connected to the lower left pin, and +5 V connected to the upper right pin regardless of the total pin count. (eg., for a 16 pin DIP, ground is connected to pin 8 and +5 V is connected to pin 16)



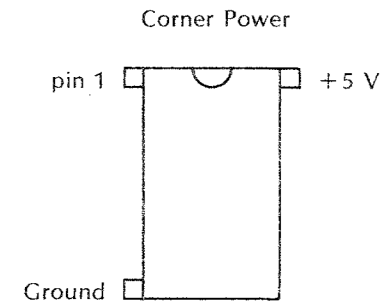
	+12V	+5V	GND
U1	6,13		2,9
U2	16		8
U4	1,6		15
U100	6,13		2,9
U102	1	22	11,12
U103		28	22
U200		40	20

**A65 CMOS/BUBBLE MEMORY ASSEMBLY**  
03561-66565  
REV B



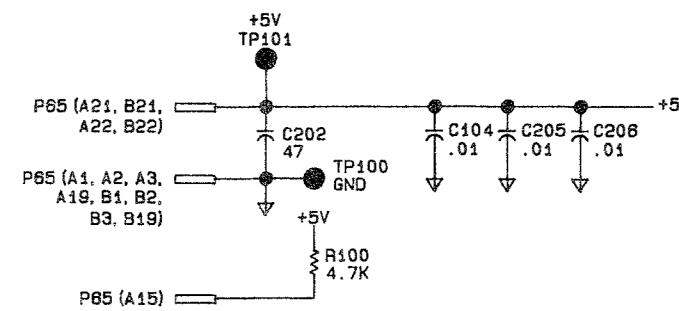
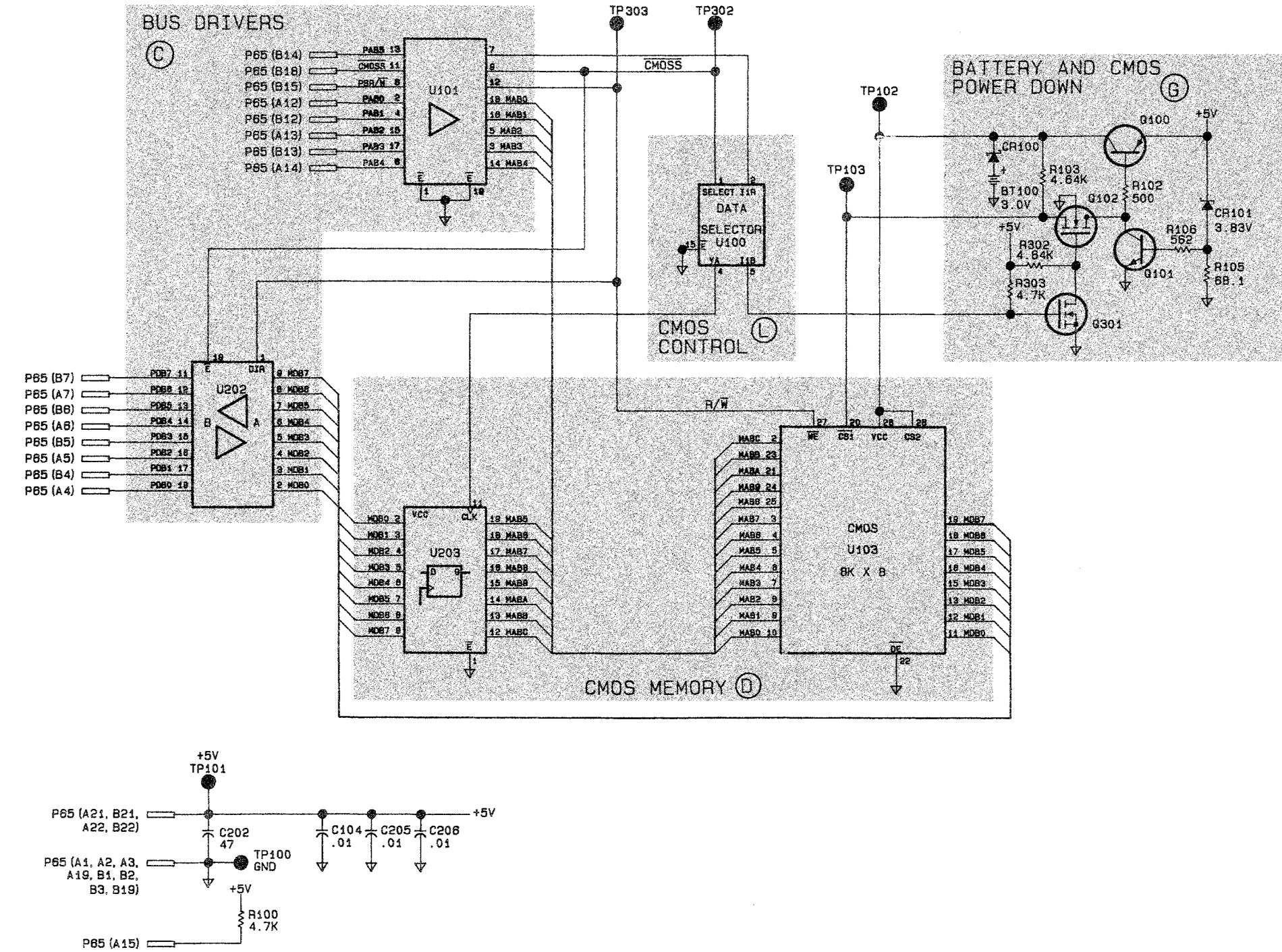
A66 Assembly

All integrated circuits are corner powered except those shown in the table below. Corner powered ICs have ground connected to the lower left pin, and +5 V connected to the upper right pin regardless of the total pin count. (eg., for a 16 pin DIP, ground is connected to pin 8 and +5 V is connected to pin 16)



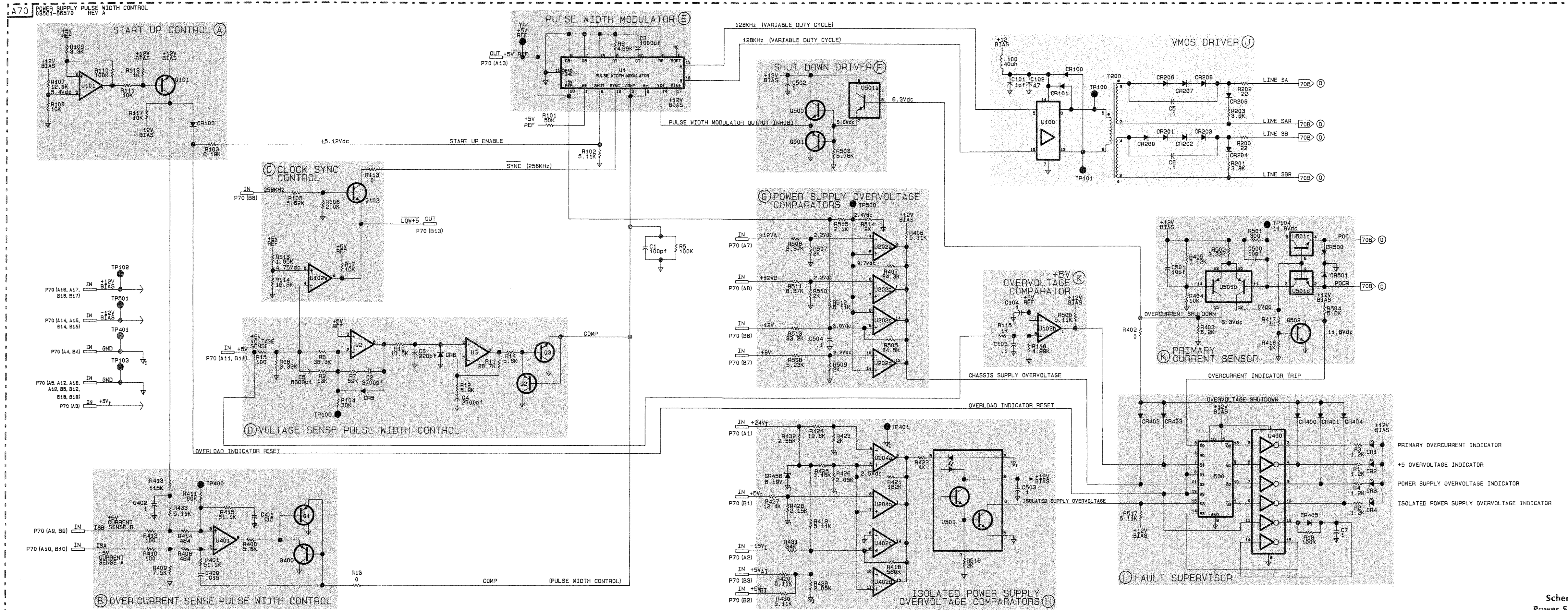
	+5V	GND
U103	28	22

A66 CMOS MEMORY ASSEMBLY  
03561-66566  
REV B



**A70 Assembly**

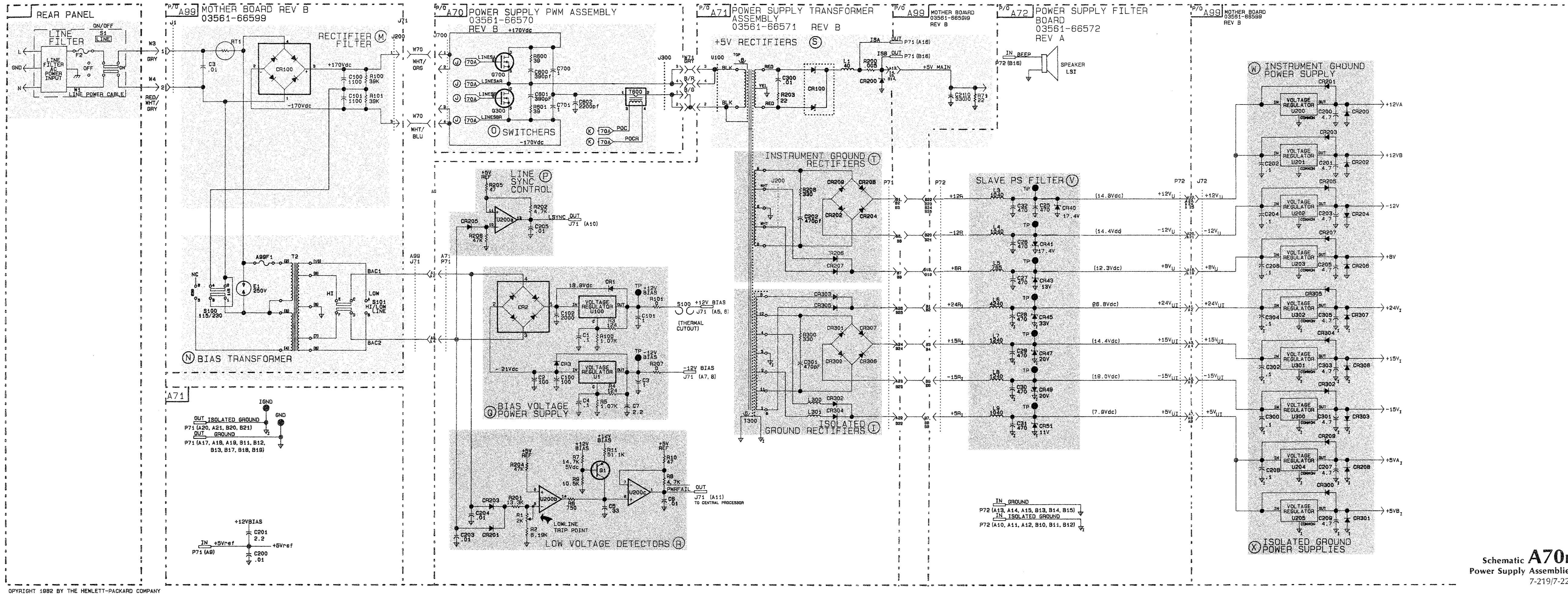
	+12VBIAS	-12VBIAS	+5V <sub>IU</sub>	-15V <sub>I</sub>	GND
U1	17				15
U2	7	4			
U3	7	4			
U101	8	1,4			
U400	1				8
U401	7	4			
U500	16		3	12	8
U502	3				12



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A71 Assembly

U200	+12VBIAS	GND
	3	12





**A81** KEYBOARD DRIVER ASSEMBLY

03561-66581  
REV A

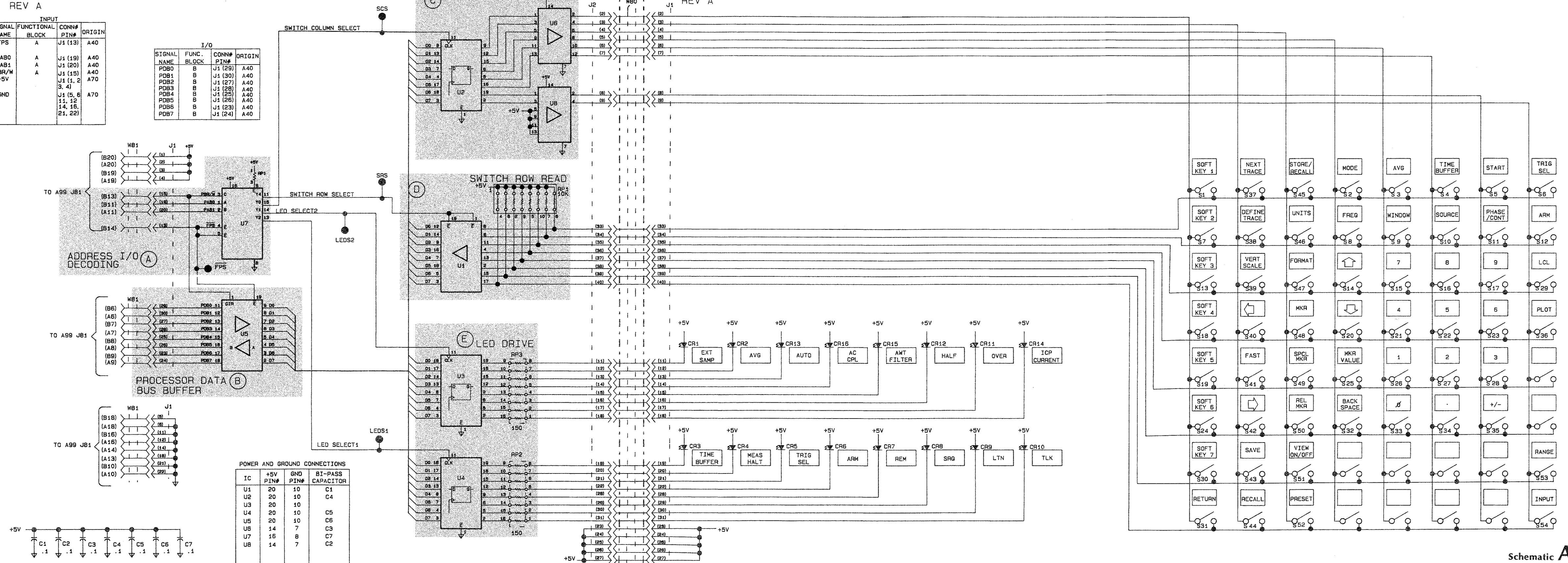
**A80** KEYBOARD

03561-66580  
REV A

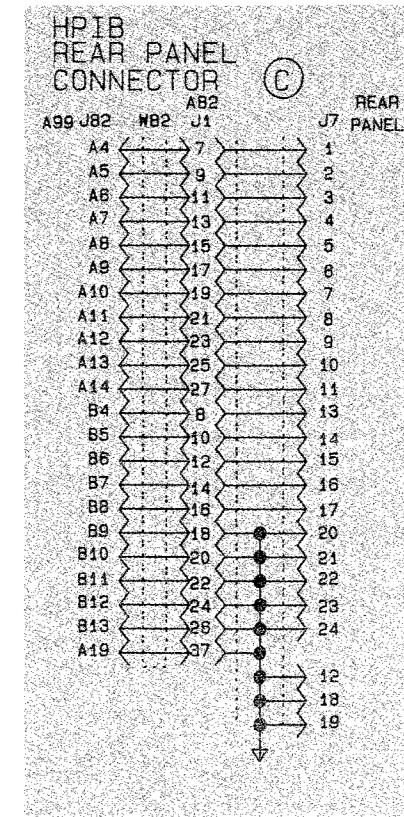
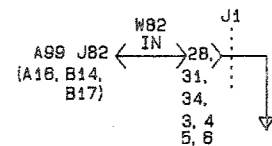
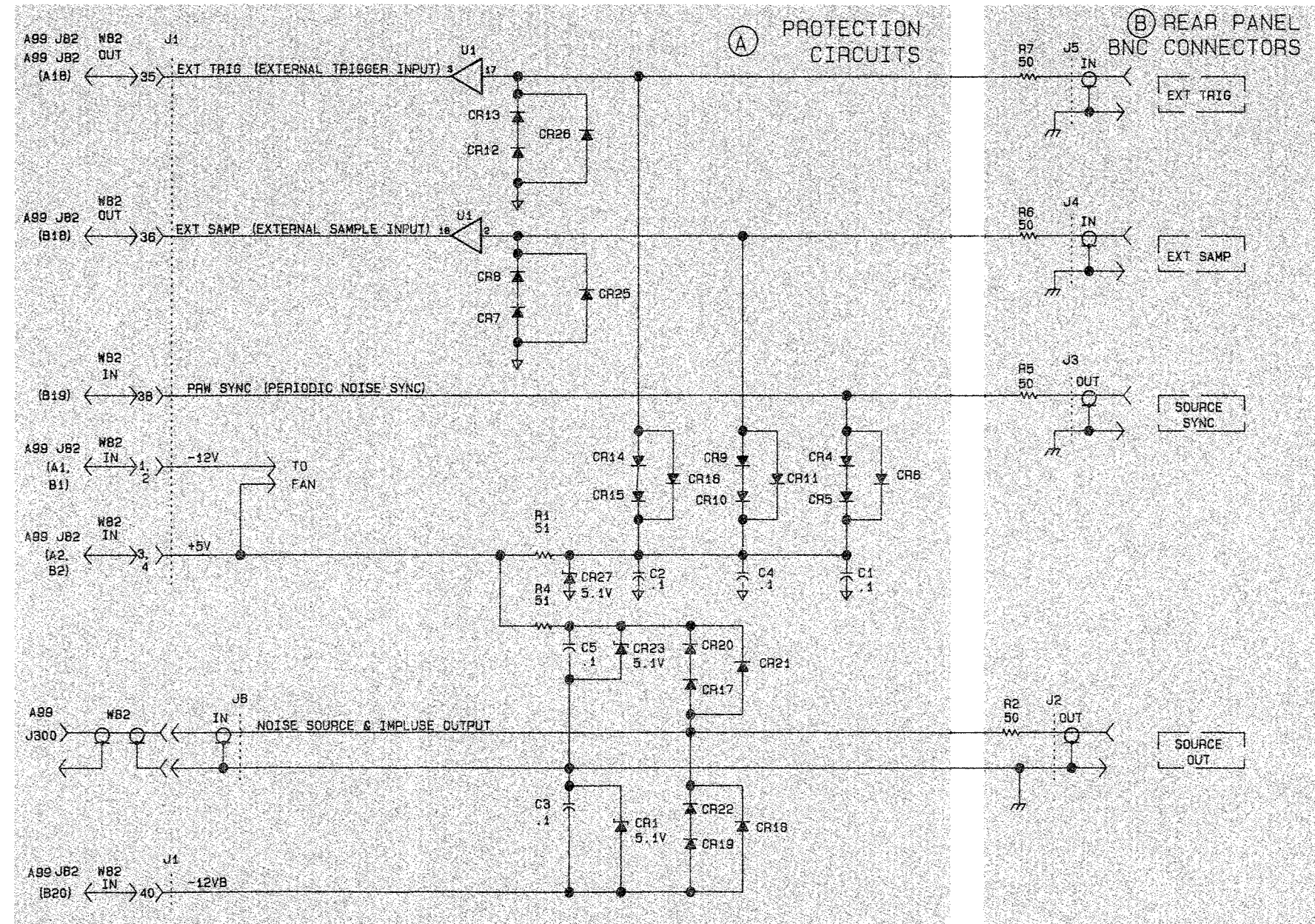
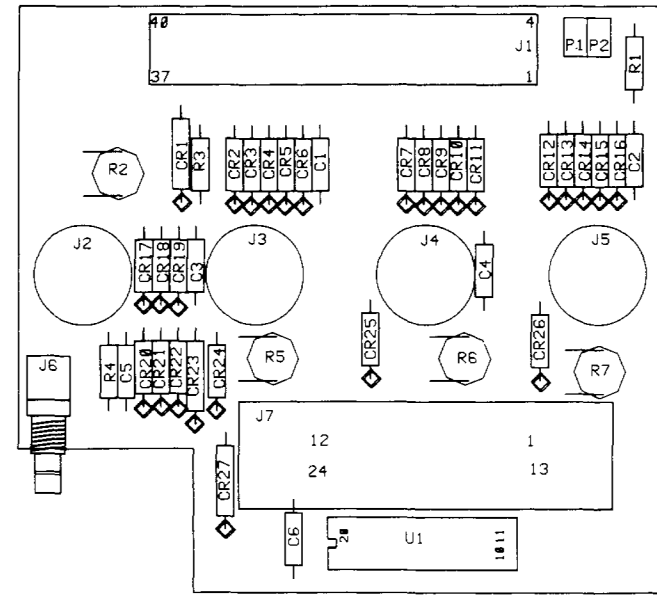
INPUT			
SIGNAL NAME	FUNCTIONAL BLOCK	CONN# PIN#	ORIGIN
FPS	A	J1 (13)	A40
PAB0	A	J1 (19)	A40
PAB1	A	J1 (20)	A40
PBR/W	A	J1 (15)	A40
+5V		J1 (1, 2, 3, 4)	A70
GND		J1 (5, 6, 14, 12, 14, 15, 21, 22)	A70

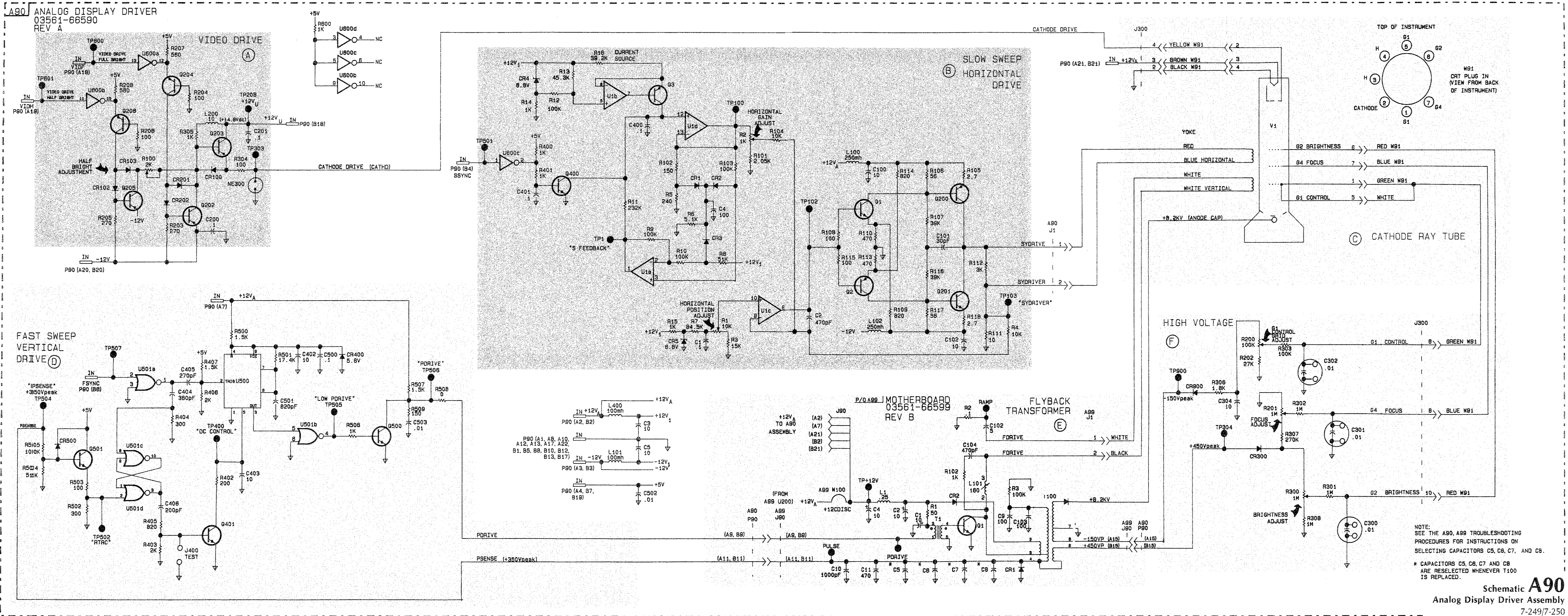
I/O			
SIGNAL NAME	FUNC. BLOCK	CONN# PIN#	ORIGIN
PDB0	B	J1 (29)	A40
PDB1	B	J1 (30)	A40
PDB2	B	J1 (27)	A40
PDB3	B	J1 (28)	A40
PDB4	B	J1 (25)	A40
PDB5	B	J1 (26)	A40
PDB6	B	J1 (23)	A40
PDB7	B	J1 (24)	A40

POWER AND GROUND CONNECTIONS			
IC	+5V PIN#	GND PIN#	BI-PASS CAPACITOR
U1	20	10	C1
U2	20	10	C4
U3	20	10	
U4	20	10	C5
U5	20	10	C6
U6	14	7	C3
U7	16	8	C7
U8	14	7	C2



**A82** REAR PANEL ASSEMBLY  
03561-66582  
REV B





A90 Assembly

	+12V <sub>1</sub>	-12V <sub>1</sub>	+5V	GND
U1	4	11	14	7
U501			14	7
U600			14	7

