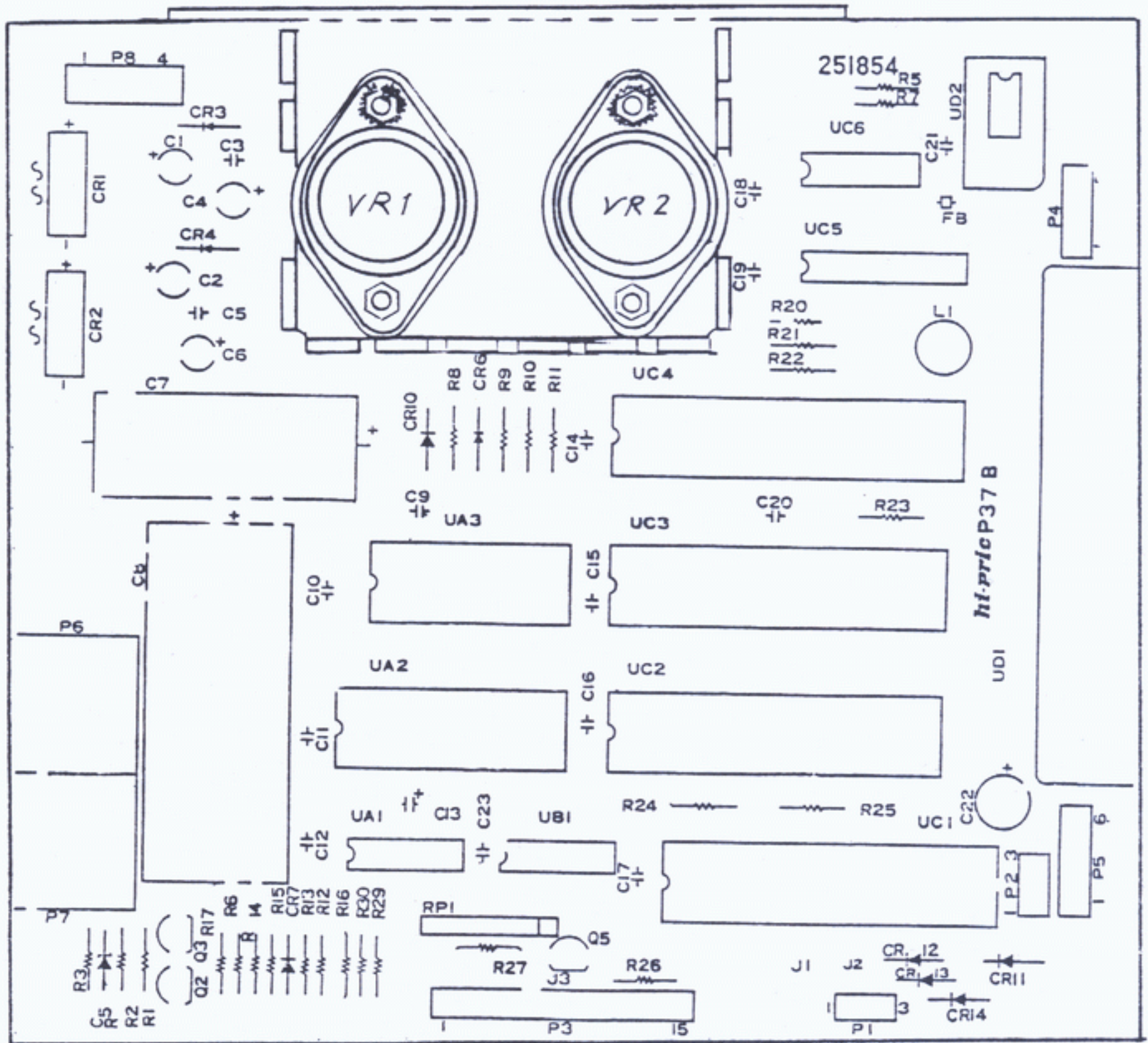


PCB ASSEMBLY #250448 BOARD LAYOUT



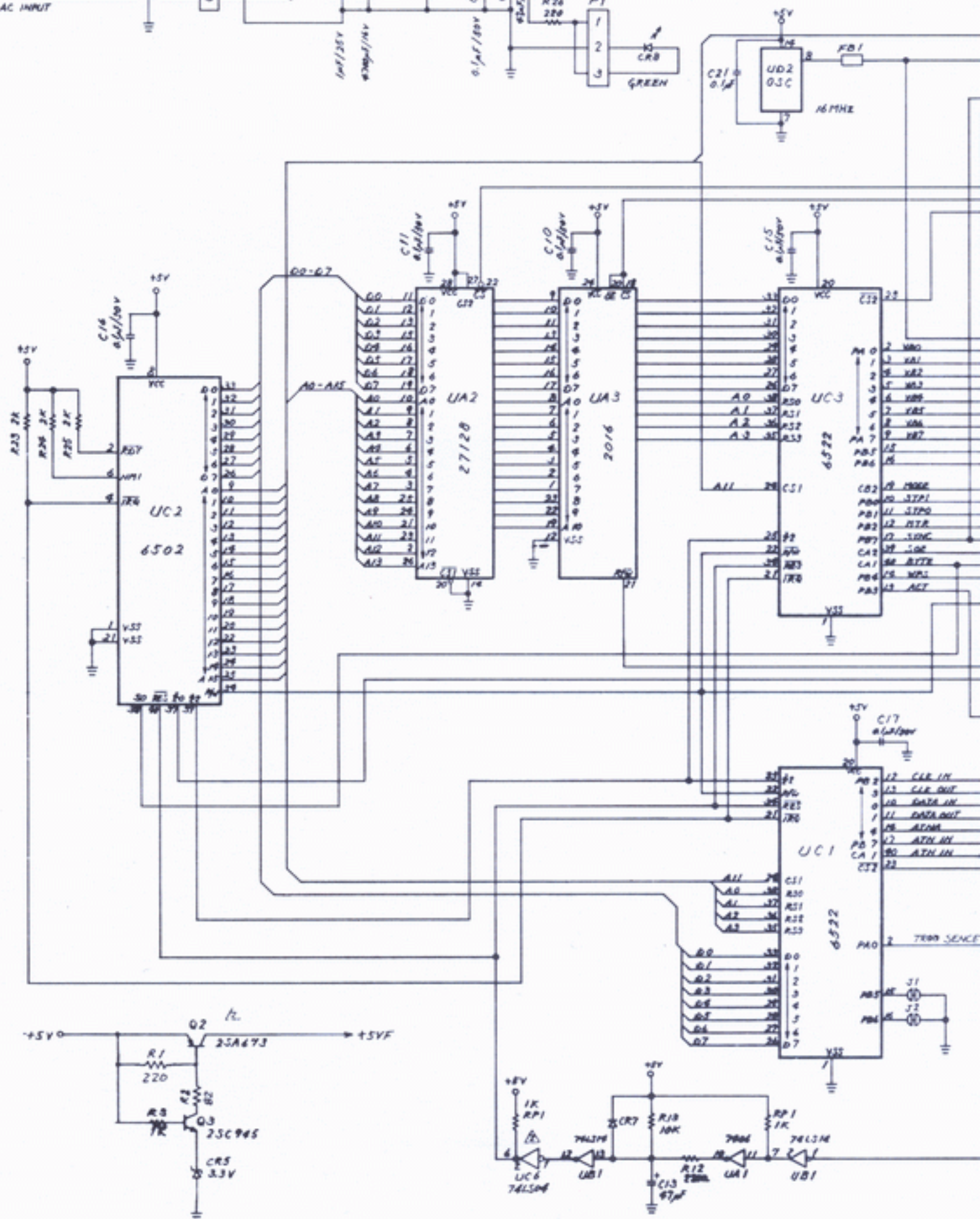
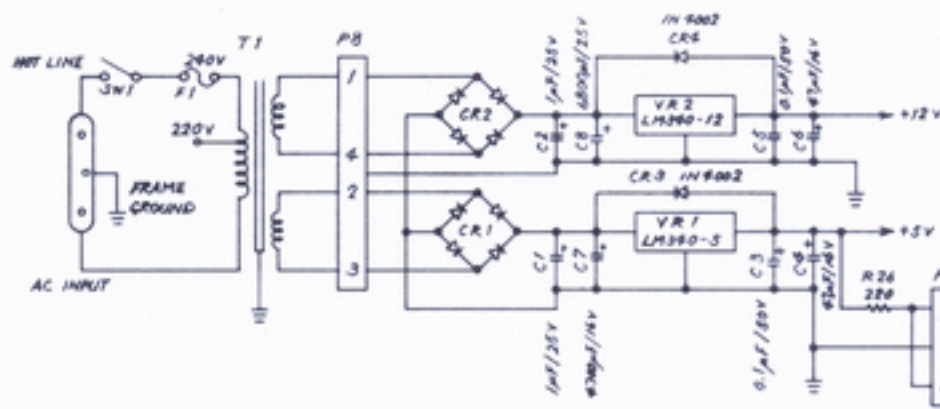
PARTS LIST

PCB ASSEMBLY #250448

PLEASE NOTE:

Commodore part numbers are provided for reference only and do not indicate the availability of parts from Commodore. Industry standard parts (Resistors, Capacitors, Connectors) should be secured locally. Approved cross-references for TTL chips, Transistors, etc. are available in manual form through the Service Department, order part #314000-01. Unique or non-standard parts will be stocked by Commodore and are indicated on the parts list by a "C". Vendor Name and part number have been provided for your convenience in ordering custom or unique parts.

INTEGRATED CIRCUITS		RESISTORS (Continued)	
UA1	7406	R20,21	2.7K
UA2	27128 EPROM	R22	150K
UA3	TMM2016P RAM	R23,24,25	2K
UB1	74LS14	R26	220
UC1	6522 VIA	R27	10K
UC2	6502 CPU	R29,30	3.6K†
UC3	6522 VIA		
UC4	Gate Array 40 Pin		*Use with -02 R/W HYBRID only.
	Gate Array 42 Pin		† Replace with jumper wire for use with -01 R/W HYBRID.
UC5	Gate Array 20 Pin		
UC6	74LS04		
UD1	R/W HYBRID		
	R/W HYBRID		
*NOTE: Diode and resistor variations required when using the -01 or -02 R/W HYBRID are noted throughout the parts list.		CAPACITORS	
TRANSISTORS		C1,2	Electrolytic 1μF, 25V
Q2	2SA673 PNP	C3	Ceramic .1μF, 50V
Q3,5	2SC945 NPN	C4	Electrolytic 47μF, 16V
DIODES		C5	Ceramic .1μF, 50V
CR1,2	Bridge, 1.5A, 50V (KBP-005)	C6	Electrolytic 47μF, 16V
CR3,4	Rectifier, IN4002	C7	Electrolytic 4700μF, 16V
CR5	Zener, 3.3V, 500mW, +/-5% HZ4A-1	C8	Electrolytic 6800μF, 25V
CR6,7,9	Signal, 1N4148	C9-12	Ceramic .1μF, 50V
CR11-14*	Rectifier, IN4002	C13	Electrolytic 47μF, 16V
	*Use with -02 R/W HYBRID only	C14-19	Ceramic .1μF, 50V
RESISTORS — All are carbon 1/4 watt, 5% unless noted otherwise.		C20	Ceramic 1000pF, 50V
R1	220	C21	Ceramic .1μF, 50V
R2	82K	C22	Electrolytic 47μF, 16V
R3	1K	C23	Ceramic .1μF, 50V
R5	1.2K*	MISCELLANEOUS	
R6	47K	L1	Coil Inductor 22μH
R7	1.2K*	FB1	Ferrite Bead
R8	47K	VR1	Voltage Reg 5V 1.2A (LM340K-5 to -3) Sub:
R9	150K		5V 3A (LM323)
R10,11	1.5K	VR2	Voltage Reg 12V 1.5A (LM340K-12 to -3)
R12	220	UD2	Crystal Module 16 MHz C 325566-01
R13	10K	RP1	Resistor Pack 1K, 8 Pin
R14,15	150	CONNECTORS	
R16	47K	P1,2	Header Assy, 2.5 Pitch, 3 Pin (Molex 3022-03A)
R17	150	P3	Header Assy, 2.5 Pitch, 15 Pin (Molex 3022-15A)
		P4	Header Assy, 2.5 Pitch, 4 Pin (Molex 5048-04AG)
		P5	Header Assy, 2.5 Pitch, 6 Pin (Molex 3022-06A)
		P6,7	6 Pin Din, C 903361-01
		P8	Header Assy, 3.96 Pitch, 4 Pin (Molex 5271-04A)



SCHEMATIC 1541B

