

COMPONENT PARTS LIST PCB ASSEMBLY #312510, AMIGA A500, REV6A/7

312510-07 PCB ASSEMBLY, A500 NTSC

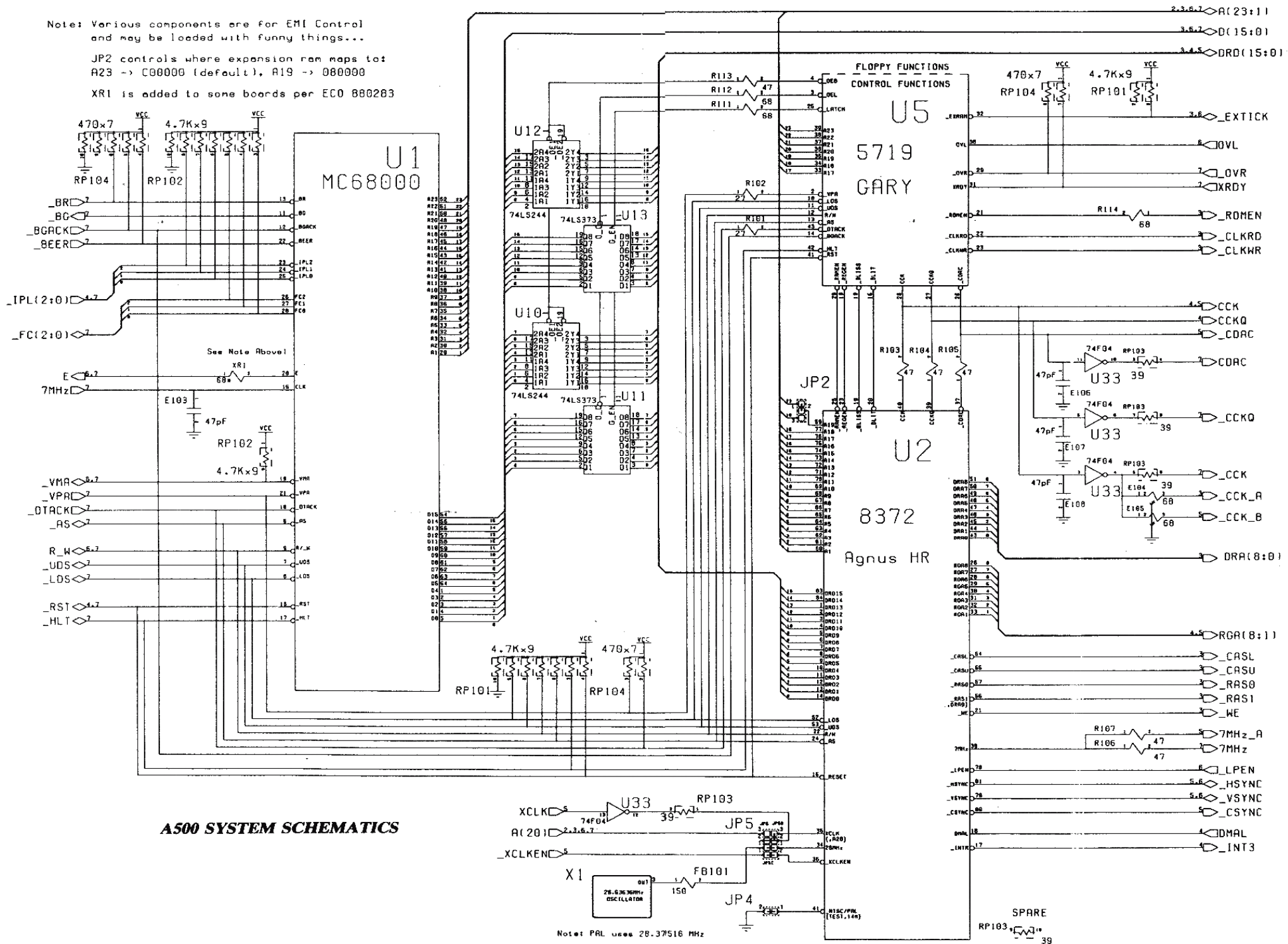
312510-08 PCB ASSEMBLY, A500 PAL

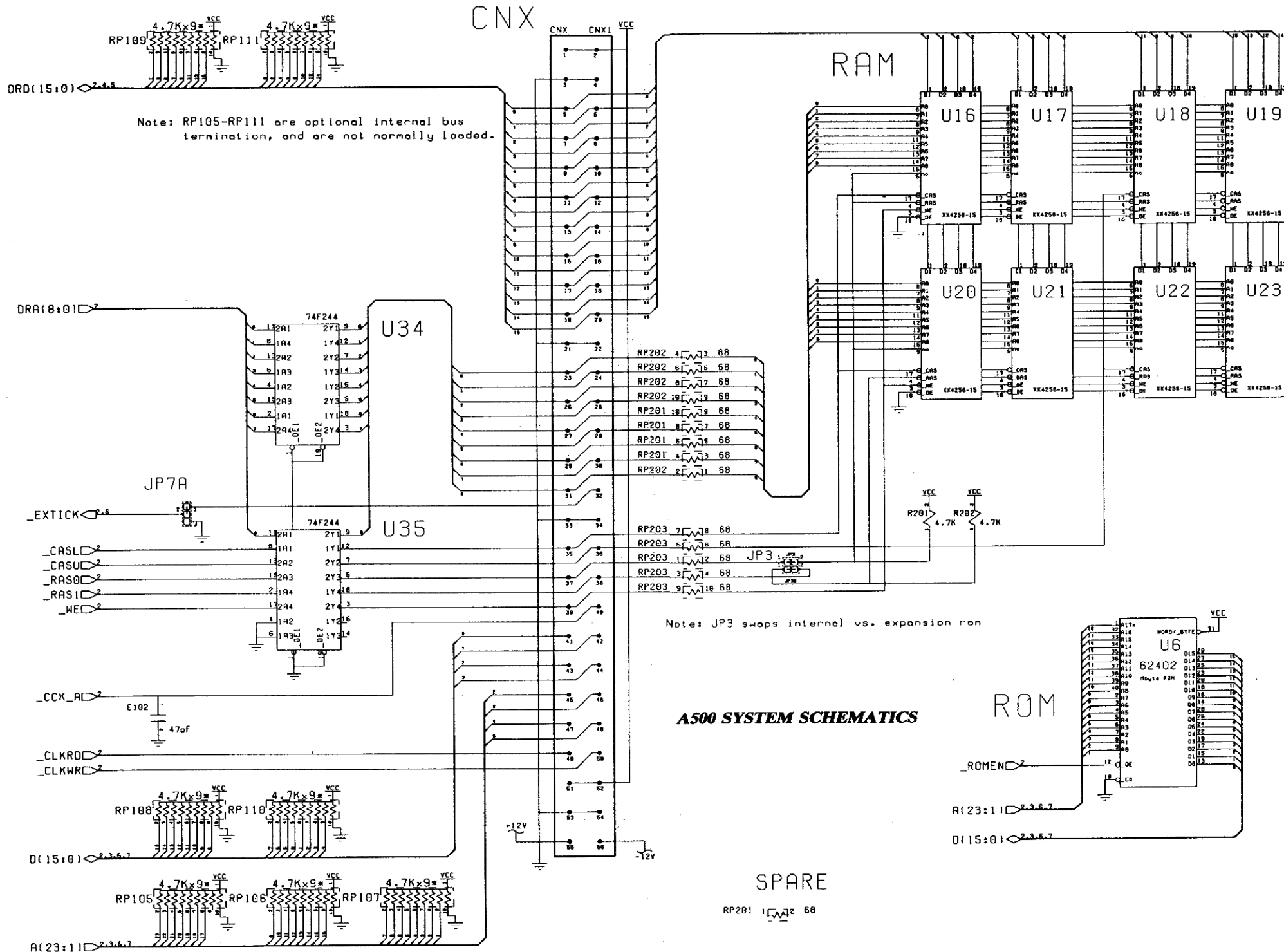
Commodore part numbers are provided for reference only and do not indicate the availability of parts from Commodore. Industry standard parts (Resistors, Capacitors, Connectors) should be secured locally. Approved cross-references for TTL chips, Transistors, etc. are available in manual form through the Service Department, order #314000-01.

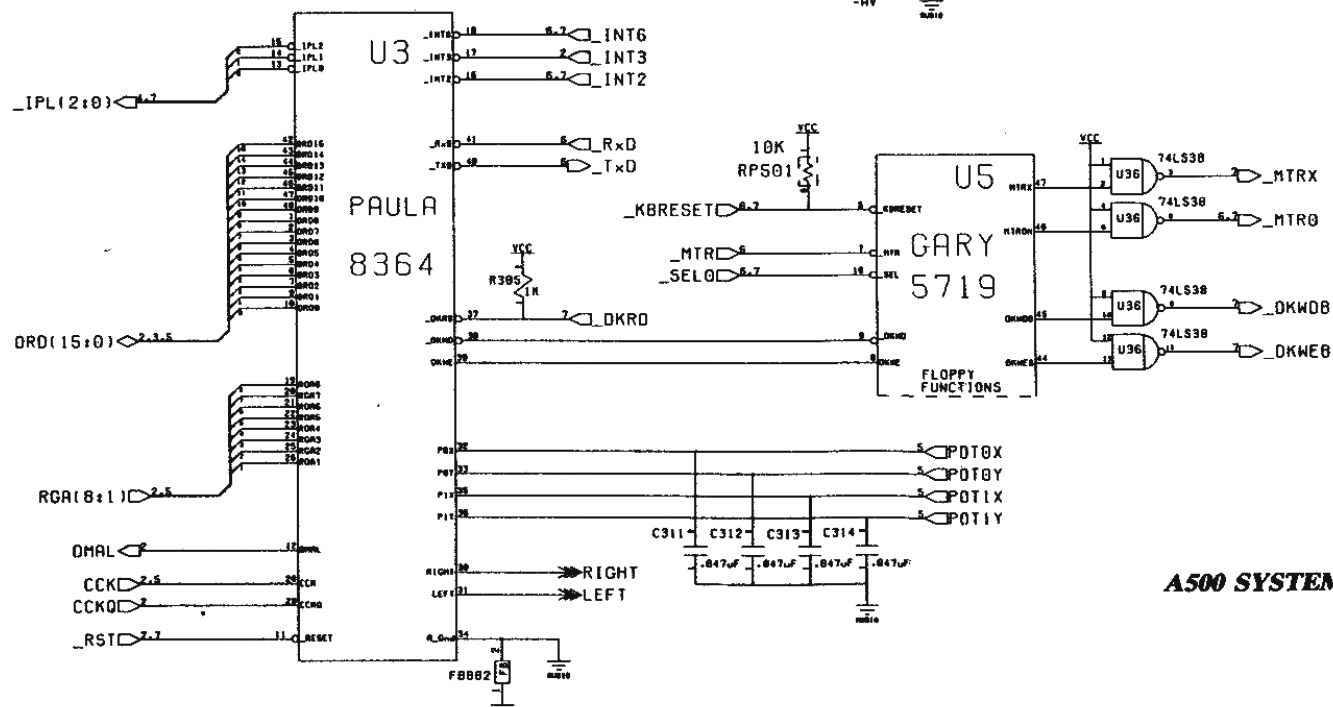
IC COMPONENTS		DIODES	
90182-01	INTERFACE MCI488	90050-01	1N4148
90183-03	INTERFACE MCI489	90017-01	1N914
90086-01	LINEAR LF347/TL084	FILTRES	
90152-01	LINEAR NE555	251842-02	EMI FILTER, 100pF
90084-03	MC68000 0MHz	390275-02	EMI FILTER, 150pF
318072-01	MOS 5719 R2 GARY	390297-01	EMI FILTER, 270pF
252126-02	MOS 8362 R8 DENISE	390297-04	EMI FILTER, 470pF
252127-02	MOS 8364 R7 PAULA		
318069-02	MOS 8372 R3 AGNUS HR	390275-01	EMI FILTER, 680pF
318029-02	MOS 8520 R4 AMIGA CIA	390297-05	EMI FILTER, 0.1uF
390110-01	TTL 74F04	252173-01	FERRITE BEAD RADIAL
318050-01	TTL 74F244	251878-02	LINE FILTER
310003-01	TTL 74HC245	252133-01	LONG FERRITE BEAD
901521-11	TTL 74LS157	90025-01	FERRITE BEAD AXIAL
901521-13	TTL 74LS244	TRANSISTORS	
901521-31	TTL 74LS532	390254-01	JFET MPF102/PN4302
901521-29	TTL 74LS573	902638-01	NPN 2N3904
901521-38	TTL 74LS58	902707-01	PNP 2N3906
390229-01	VIDEO HYBRID	RESISTORS	
318070-01	MOS 8370 R3 FAT AGNUS (NTSC)	901600-36	1/2W CF, 1
318071-01	MOS 8371 R1 FAT AGNUS (PAL)	901600-50	1/2W CF, 4.7
390433-01	MOS 8373 R2 DENISE HR	901600-15	1/2W CF, 47
381099-04	DRAM 256K X 4 120 nS	901550-64	1/4W CF, 10
381099-02	DRAM 256K X 4 100 nS	901550-90	1/4W CF, 27
390593-02	ROM 256K X 16 KICKSTART 1.3	901550-56	1/4W CF, 47
	NOT LOADED	901550-94	1/4W CF, 68
		901550-94	1/4W CF, 68
		901550-49	1/4W CF, 100
		901550-89	1/4W CF, 150
		901550-89	1/4W CF, 150
		901550-108	1/4W CF, 360
		901550-57	1/4W CF, 390
		901550-01	1/4W CF, 1K
		901550-23	1/4W CF, 2.7K
		901550-19	1/4W CF, 4.7K
		901550-20	1/4W CF, 10K
		901550-22	1/4W CF, 47K
		901550-82	1/4W CF, 470K
		901550-84	1/4W CF, 1M
		902410-11	RES PACK SIP PULLUP, 470 X 9
		902410-08	RES PACK SIP PULLUP, 4.7K X 9
		902410-07	RES PACK SIP PULLUP, 10K X 9
		90227-03	RES PACK SIP SERIES, 22 X 5
		90227-05	RES PACK SIP SERIES, 68 X 5
		90227-06	RES PACK SIP SERIES, 47 X 5
		901600-129	RES 1/2W CF, 5.1
		90227-08	RES PACK SIP SERIES, 39 X 5
			NOT LOADED
CONNECTORS		MISCELLANEOUS	
32516-04	4PIN FLOPPY POWER	904150-06	SOCKET, 40PIN DIP
252167-01	5PIN SQ DIN	251313-01	SOCKET, 48PIN DIP
903315-08	8PIN SIL W/KEY	904150-10	SOCKET, 64PIN DIP
900241-03	D-SUB/23PIN/FEMALE/DB25S	904150-01	SOCKET, 64PIN PLCC
900242-01	D-SUB/23PIN/MALE/DB25P	251313-02	SOCKET, 48PIN DIP
290241-05	D-SUB/25PIN/FEMALE/DEMS	252344-01	OSCILLATOR, 28.37516MHz (PAL)
290242-05	D-SUB/25PIN/MALE/DB25P	325566-14	OSCILLATOR, 28.63636MHz (NTSC)
900242-01	D-SUB/9PIN/MALE/DB9P	312511-03	SCHEMATIC
35003-01	HEADER 34PIN W/KEY		
390224-07	HEADER 56PIN MALE RA		
252122-03	RCA JACK, YELLOW		
252122-01	RCA JACK, WHITE		
252122-04	RCA JACK, BLACK		
903326-06	8PIN SIL W/KEY		
903345-17	HEADER 34PIN W/KEY		
900248-01	RCA JACK, METAL		
390248-01	RCA JACK, METAL		

JP2 controls where expansion ram maps to:
A23 -> C00000 (default), A19 -> 080000

A500 SYSTEM SCHEMATICS

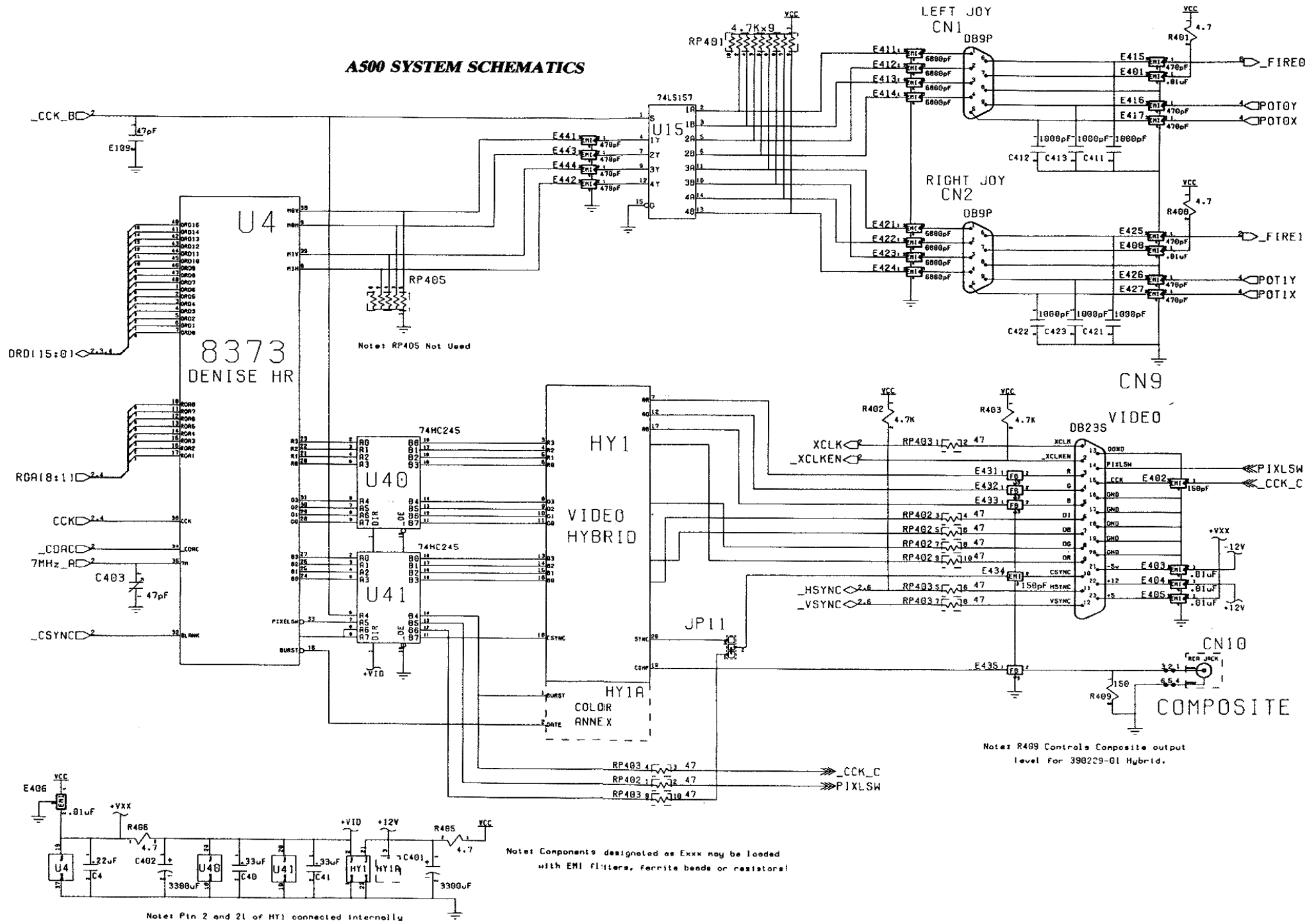






A500 SYSTEM SCHEMATICS

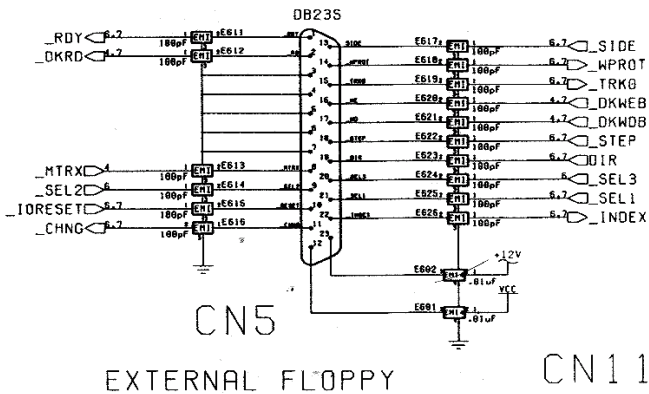
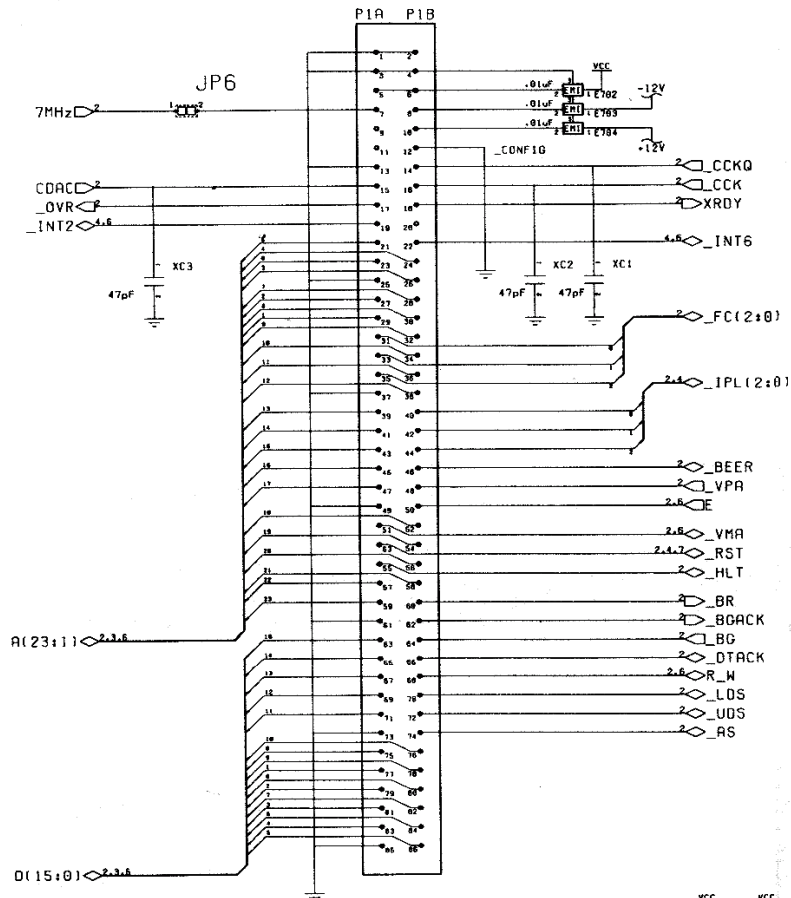
A500 SYSTEM SCHEMATICS



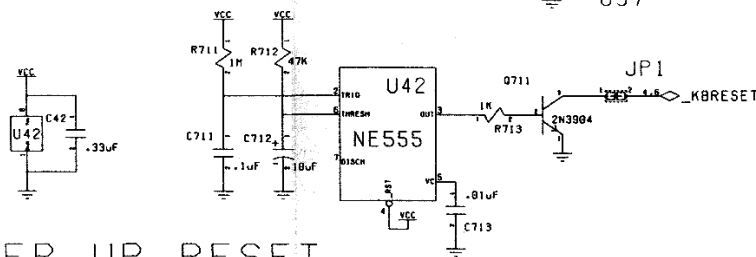
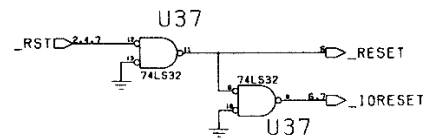
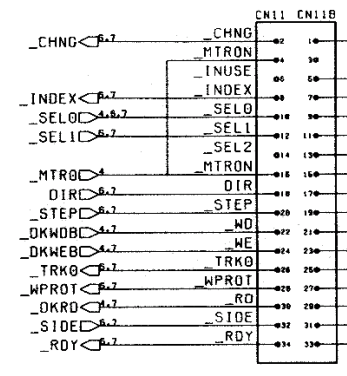


A500 SYSTEM SCHEMATICS

EXPANSION P1

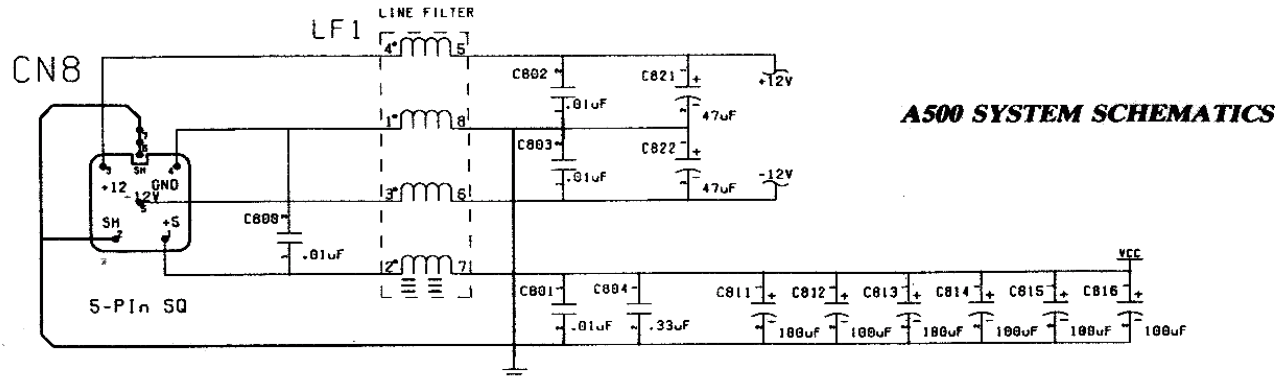


A500 SYSTEM SCHEMATICS

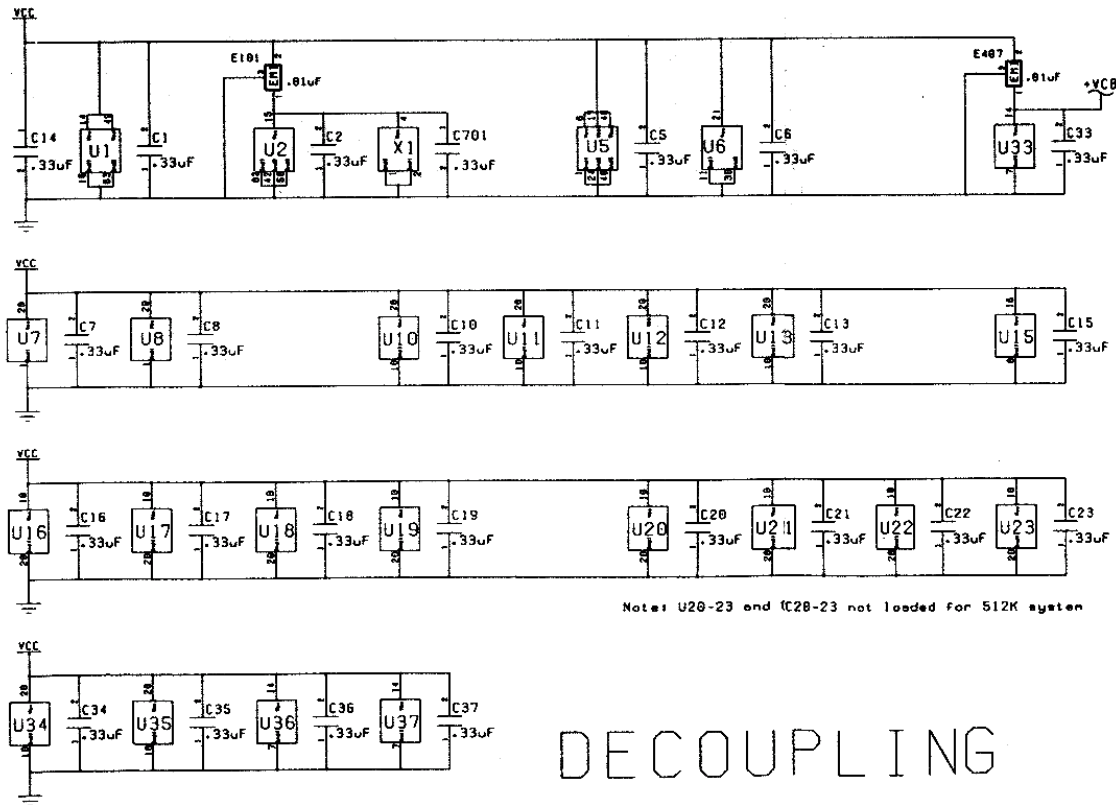


POWER UP RESET

POWER INPUT

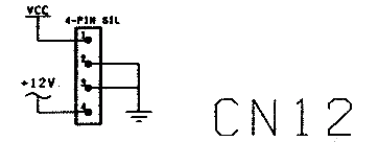


NOTE: HEAVY LINES INDICATE A SINGLE POINT CONNECTION



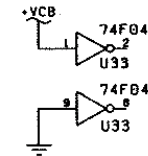
DECOUPLING

FLOPPY POWER



Note: Some drives are +5 only...

SPARES



GROUNDING HOLES, &c.

