

JUMPERS AND STUFF

SIGNAL GLOSSARY

SIGNAL	DESCRIPTION (AREA)	PAGES
28MHz	28.63636 MHZ MASTER CLOCK	
7MHz	7.15909 MHZ PROCESSOR CLOCK	
A[23:1]	PROCESSOR ADDRESS BUS (68000)	
ACK	DATA ACKNOWLEDGE (PARALLEL PORT)	
AS	ADDRESS STROBE (68000)	
AUDIN	AUDIO INPUT (RS232 PORT)	
AUDOUT	AUDIO OUTPUT (RS232 JACK)	
BERR	BUS ERROR (68000)	
BG	BUS GRANT (68000)	
ACK	BUS GRANT ACKNOWLEDGE (68000)	
BLISS	BLITTER SLOWDOWN (CHIPS)	
BLIT	CHIP MEMORY ACCESS (CHIPS)	
BR	BUS REQUEST (68000)	
BUSY	DEVICE BUSY (PARALLEL PORT)	
CASL/U	COLUMN ADDRESS STROBE (DRAM)	
CCK/CCK0	COLOR CLOCK / QUADRATURE (CHIPS)	
CDAC	7.15909 MHZ QUADRATURE CLOCK (CHIPS)	
CHNG	MEDIA CHANGE (FLOPPY)	
CLKRD/HR	READ-TIME CLOCK READ / WRITE (RTC)	
COMP	MONOCHROME COMPOSITE VIDEO (VIDEO)	
CSYNC	COMPOSITE SYNC (VIDEO)	
CTS	CLEAR TO SEND (RS232 PORT)	
D[15:0]	PROCESSOR DATA BUS (68000)	
DIR	STEP DIRECTION (FLOPPY)	
DKRD	DISK READ DATA (FLOPPY)	
DKWD	DISK WRITE DATA (FLOPPY)	
DKWE	DISK WRITE ENABLE (FLOPPY)	
DMAL	CHIP DMA REQUEST LINE (CHIPS)	
DRA[8:0]	DRAM ADDRESS BUS (DRAM)	
DRD[15:0]	DRAM DATA BUS (DRAM)	
DSR	DATA SET READY (RS232 PORT)	
DTACK	DATA TRANSFER ACKNOWLEDGE (68000)	
DTR	DATA TERMINAL READY (RS232 PORT)	
E	PERIPHERAL ENABLE CLOCK (68000)	
EXTICK	EXPANSION PRESENT / RTC TICK	
FC[2:0]	FUNCTION CODE (68000)	
FIRE0/1	FIRE BUTTON 0/1 (JOYSTICKS)	
HLT	PROCESSOR HALT (68000)	
HSYNC	HORIZONTAL SYNC (VIDEO)	
INDEX	INDEX PULSE (FLOPPY)	
INT[2,3,5]	INTERRUPT REQUEST (CHIPS)	
IORESET	I/O RESET	
IPL[2:0]	INTERRUPT PRIORITY LEVEL (68000)	
KBCLOCK	KEYBOARD CLOCK (KEYBOARD)	
KBDATA	KEYBOARD DATA (KEYBOARD)	
KBRESET	KEYBOARD RESET (KEYBOARD)	
LDS/LDS	UPPER / LOWER DATA STROBES (68000)	
LED	POWER ON LED / AUDIO FILTER DISABLE	
LEFT/RIGHT	LEFT RIGHT AUDIO (AUDIO)	

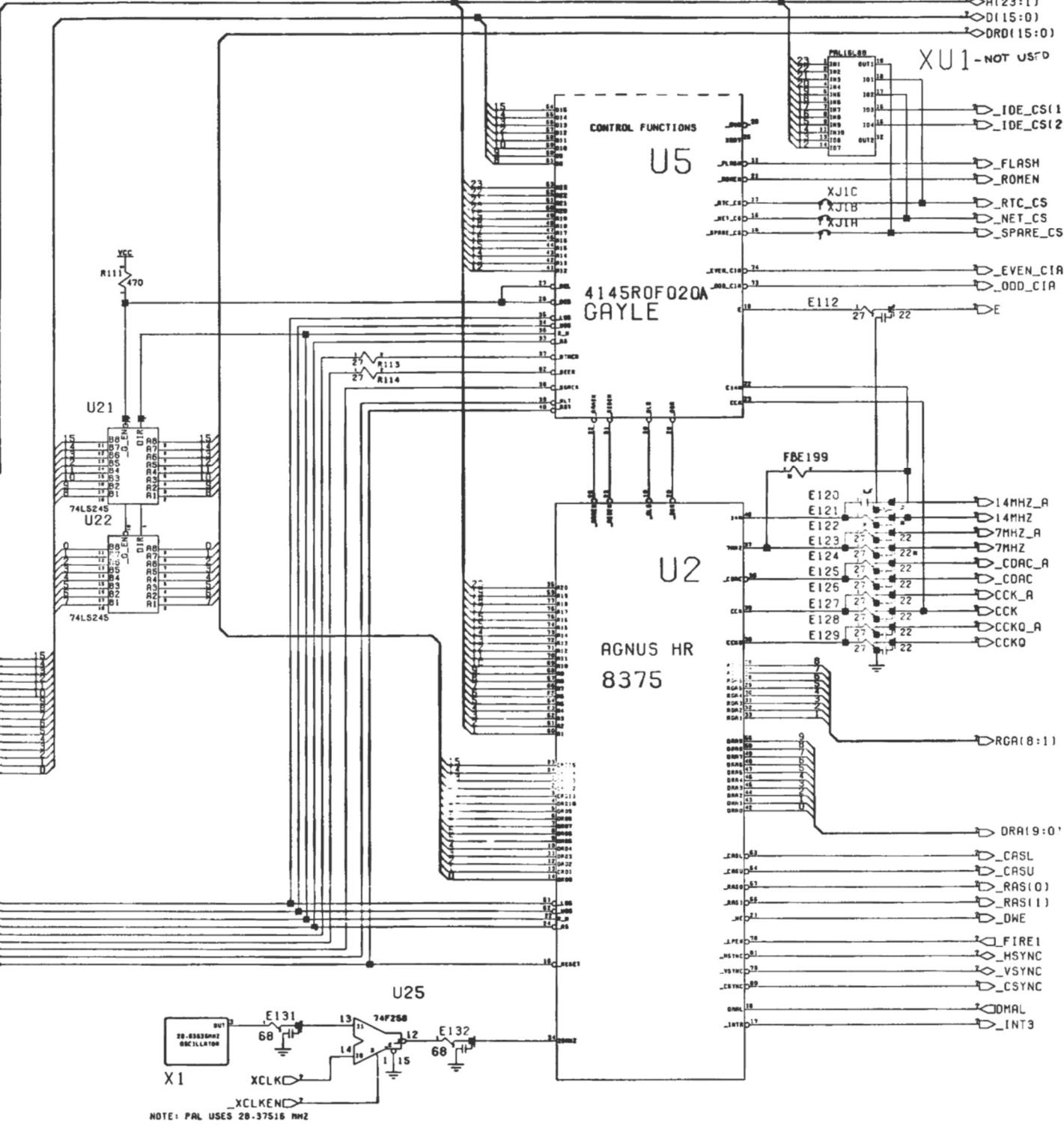
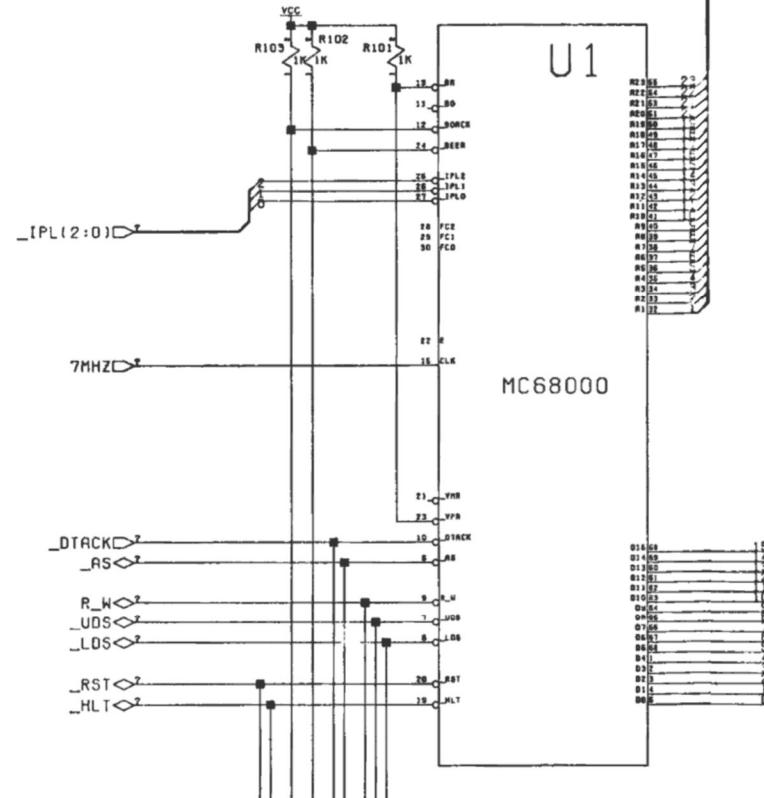
CONNECTORS

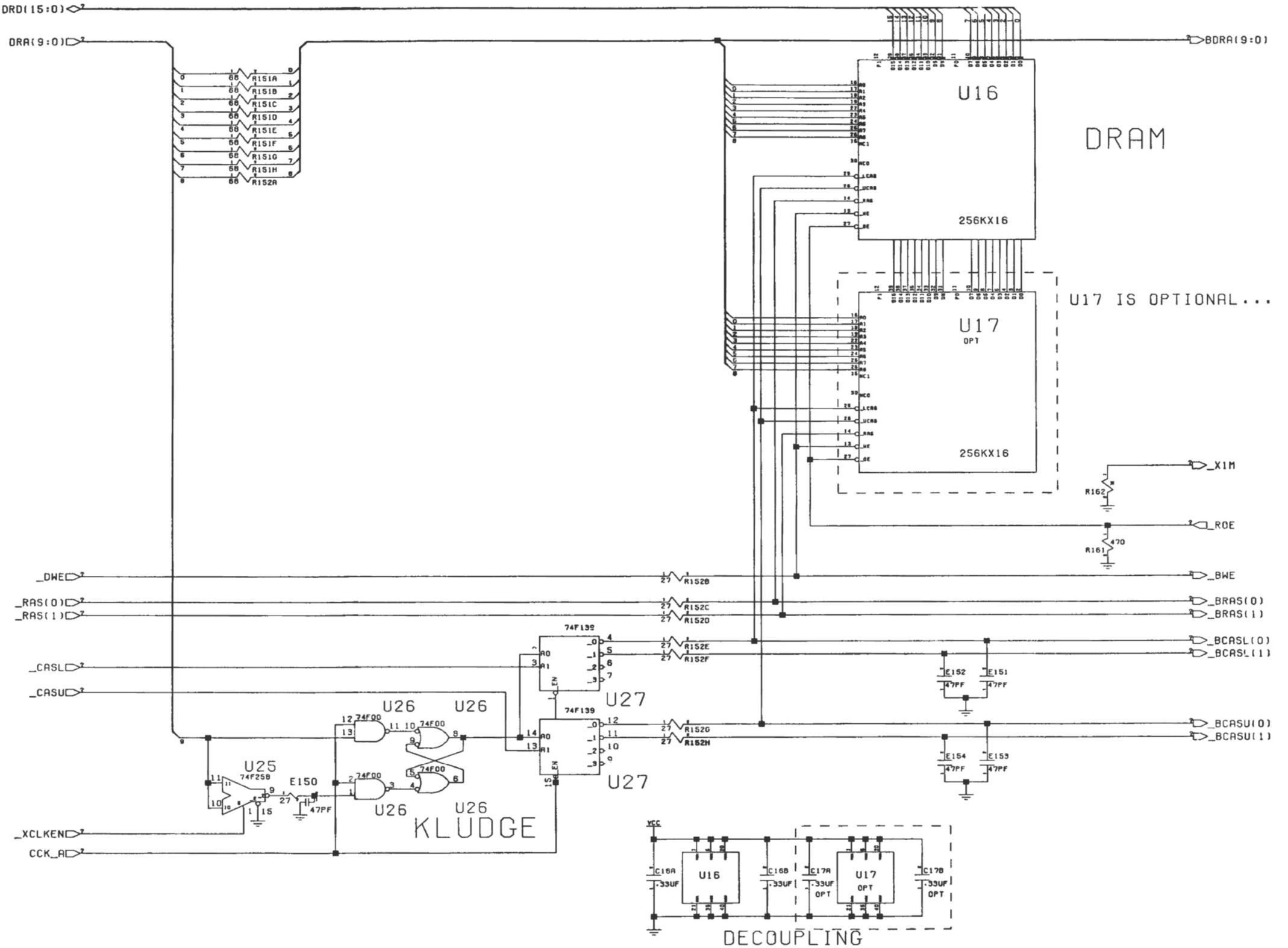
REF	TYPE	DESCRIPTION	PAC
CN1	DB9P	MOUSE/JOYSTICK 1	5
CN2	DB9P	MOUSE/JOYSTICK 2	5
CN3	RCA-J	RIGHT AUDIO OUTPUT	5
CN4	RCA-J	LEFT AUDIO OUTPUT	5
CN5	DB23S	EXTERNAL FLOPPY	8
CN6	DB25P	RS232 SERIAL PORT	7
CN7	DB25S	PARALLEL PRINTER PORT	7
CN8	SD DIN	POWER SUPPLY CONNECTOR	13
CN9	DB23P	VIDEO OUTPUT	6
CN10	RCA-J	COMPOSITE VIDEO	4
CN11	DIL-34	INTERNAL FLOPPY SIGNAL	8
CN12	SIL-4	INTERNAL FLOPPY POWER	8
CN13	MFM-30	KEYBOARD MEMBRANE	9
CN14	SIL-4	INTERNAL FLOPPY POWER	8
CN15	MFM-30	KEYBOARD MEMBRANE	9
CN14	SIL-4	KEYBOARD STATUS LED'S	9
CN15	PCMCIA	PC "MEMORY CARD"	11
P9	EDGE-BUS	MEMORY BUS EXPANSION	12

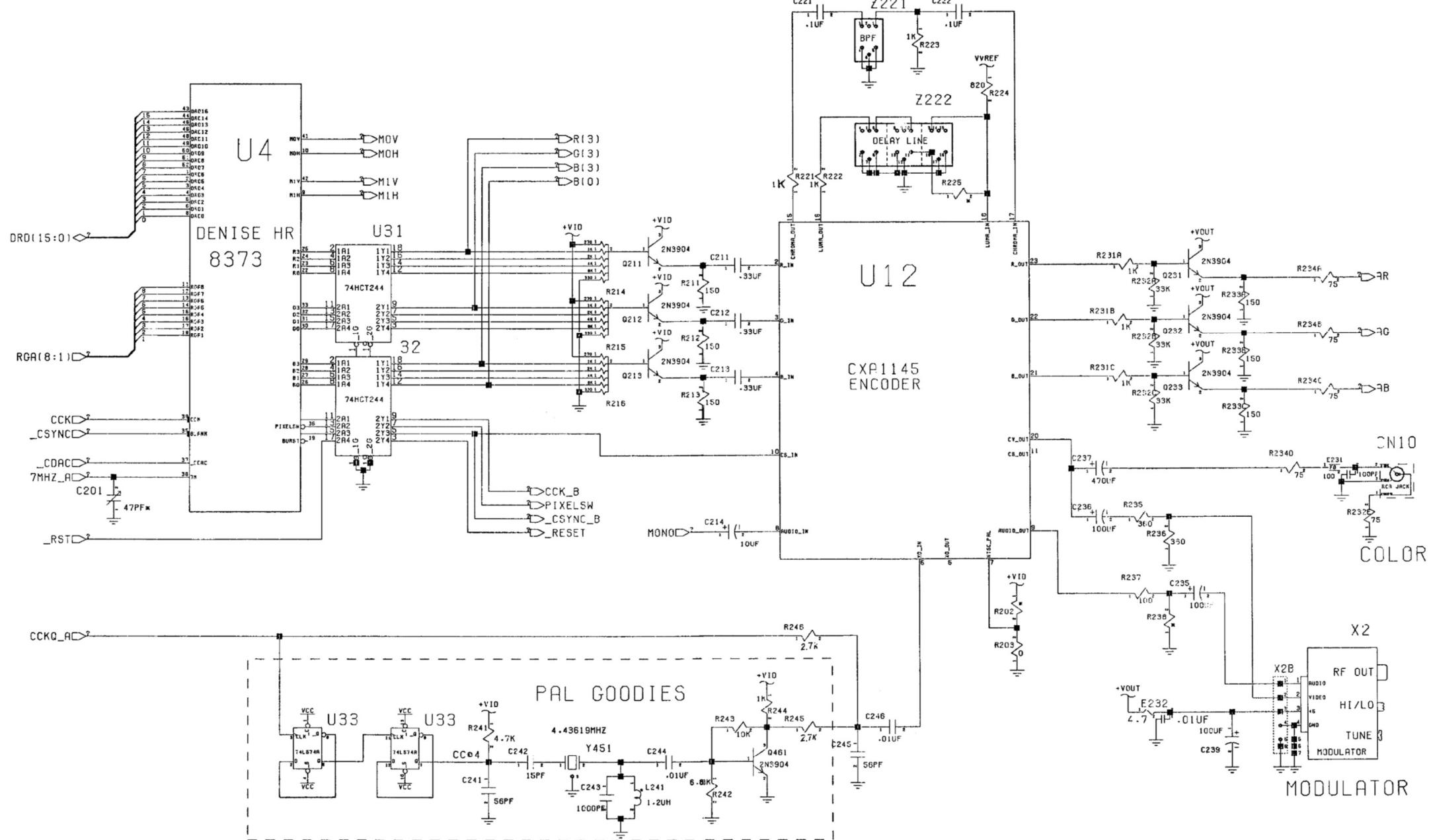
KEY COMPONENTS

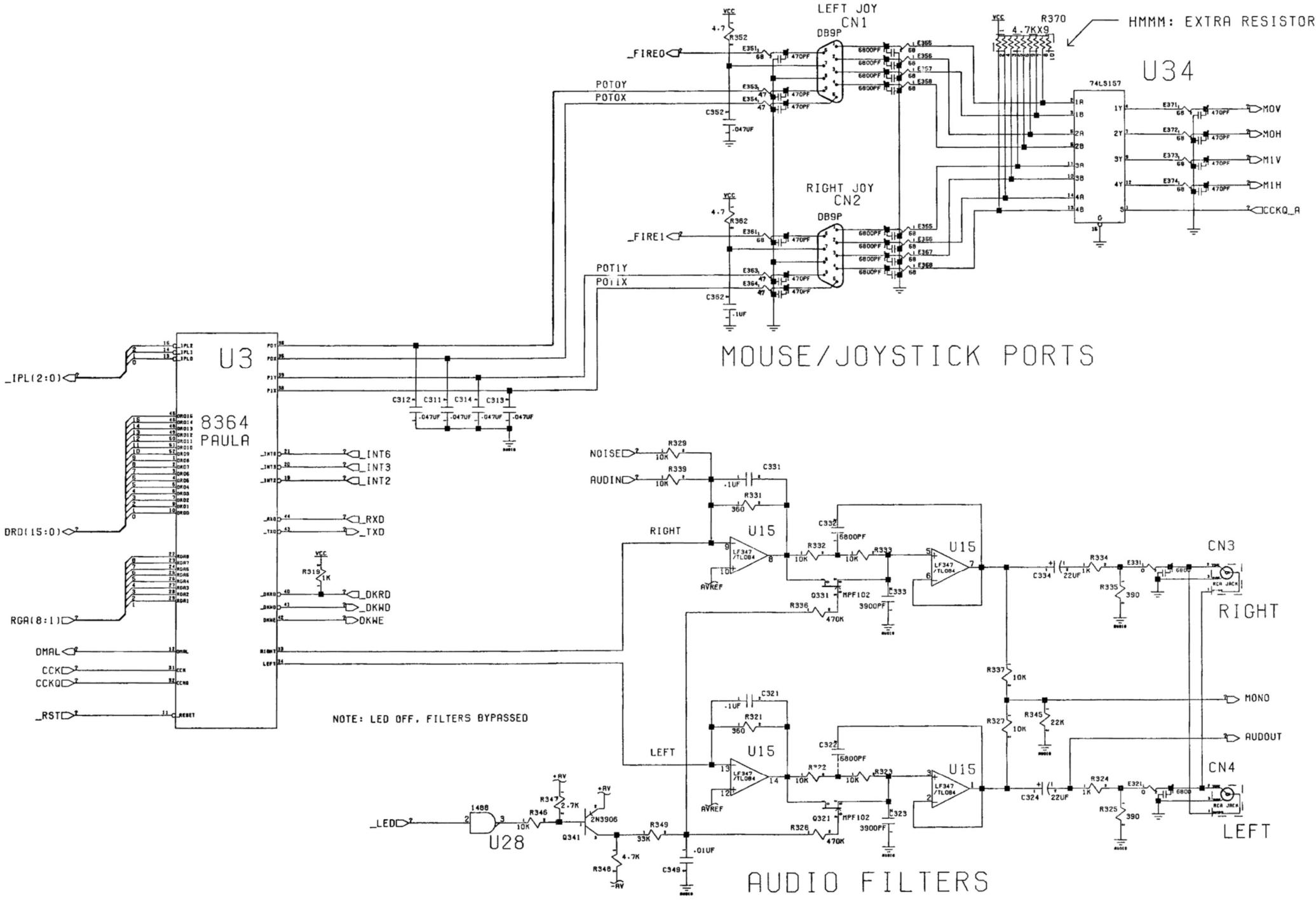
REF	CHIP	DESCRIPTION	PAGE
U1	68000	68000 PROCESSOR. 8MHZ	2
U2	8375	FCS AGNUS A300/A500+	2
U3	8364	PAULA	5
U4	8373	FCS DENISE	4
U5	4145-20	CAYLE GATE ARRAY	2,8
U6	ASST	ROM 256KX16. 200 NS	10
U7-8	8520	AMIGA VIA. 1 MHZ	7
U10-11	28F10	FLASH MEMORY 128KX8	10
U12	CXA1145	SONY VIDEO ENCODER	4
U13	6570-36	AMGIA KEYBOARD MPU	9
U14	NE555	RESET TIMER	9
U16-17	ASST	DRAM 256KX16. 120 NS	3
U15	LF347	BIMOS OP-AMP	5
	TLD84	BIMOS OP-AMP	ALT
U28	1488	EIA LINE DRIVER	7
U29	1489	EIA LINE RECEIVER	7
X1	DSC	TTL 28.63636 MHZ NTSC	2
	DSC	TTL 28.37512 MHZ PAL	ALT
Y451	XTAL	4.43619MHZ PAL BURST	4
Y621	XTAL	3MHZ CERAMIC RESONATOR	9
X2	ASST	PAL VIDEO MODULATOR	4
	ASST	NTSC VIDEO MODULATOR	4

JUNE BUG
10/22/91

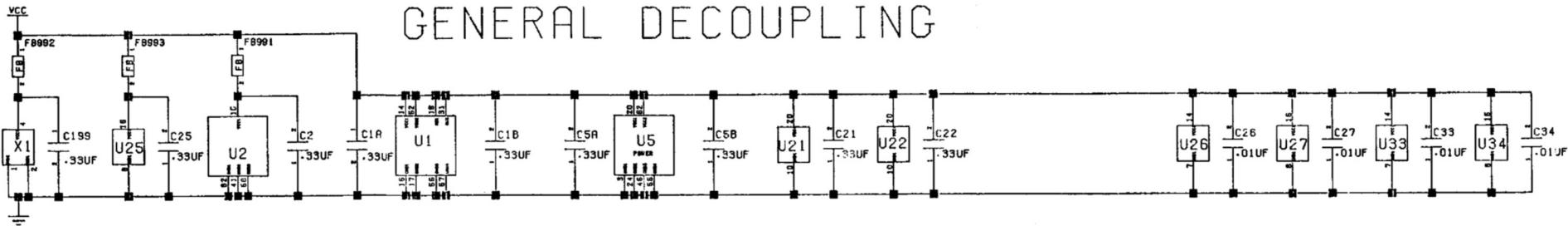




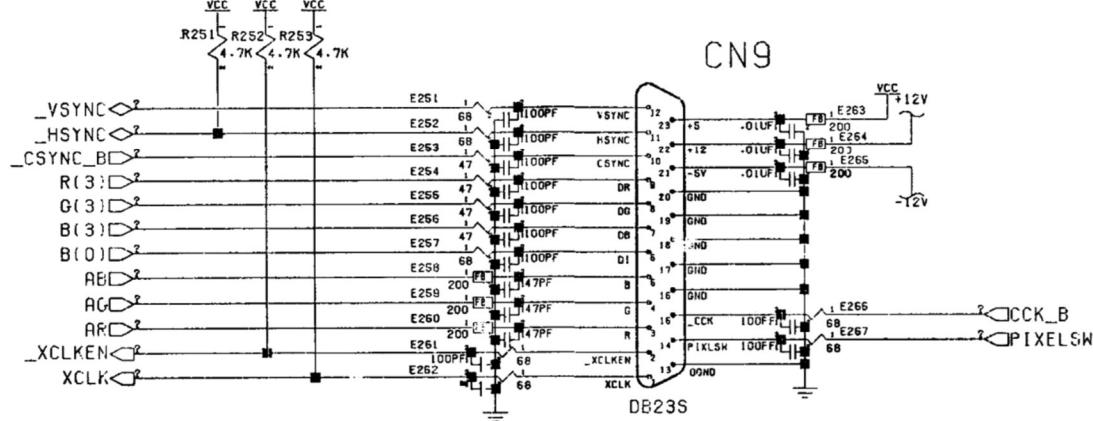




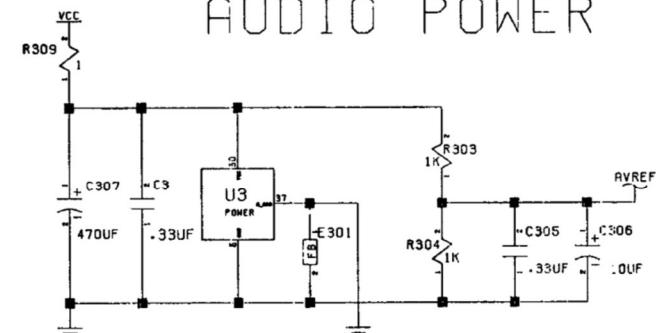
GENERAL DECOUPLING



VIDEO OUT

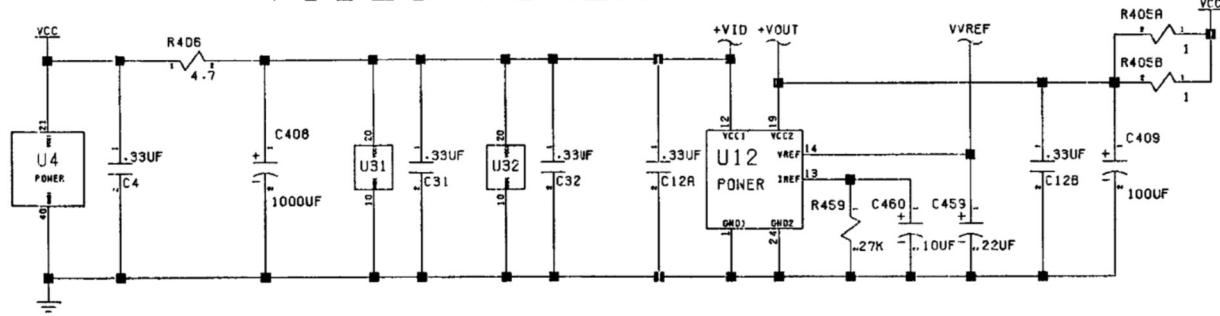


AUDIO POWER

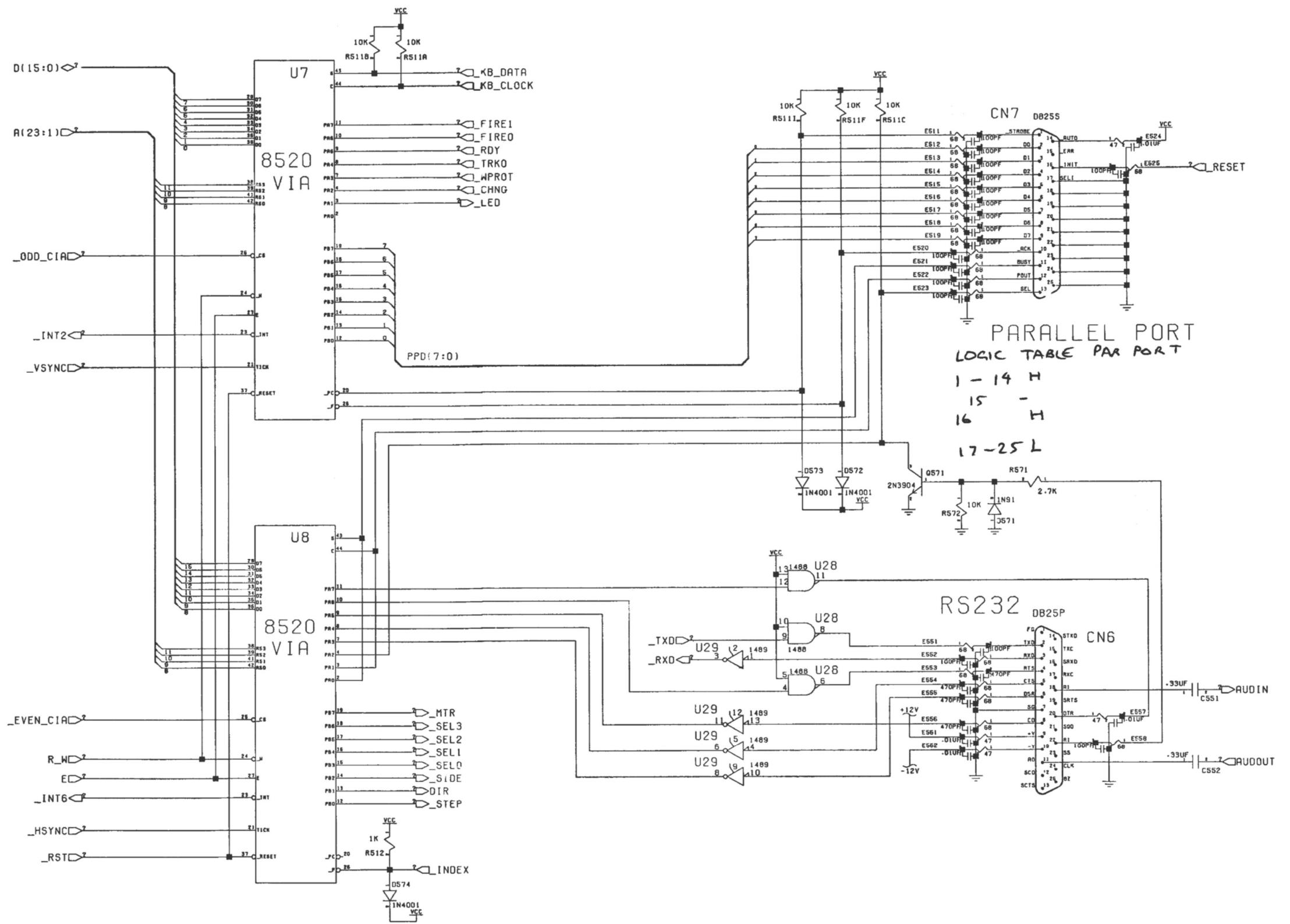


NOTE: GROUND INTERCONNECTION NEAR AUDIO JCKS.

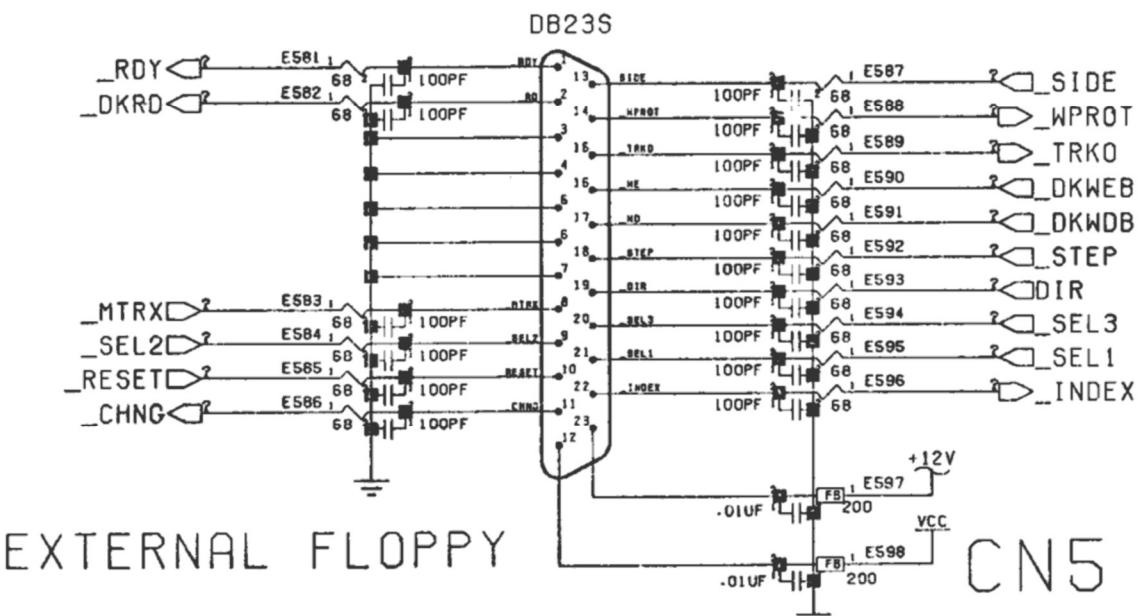
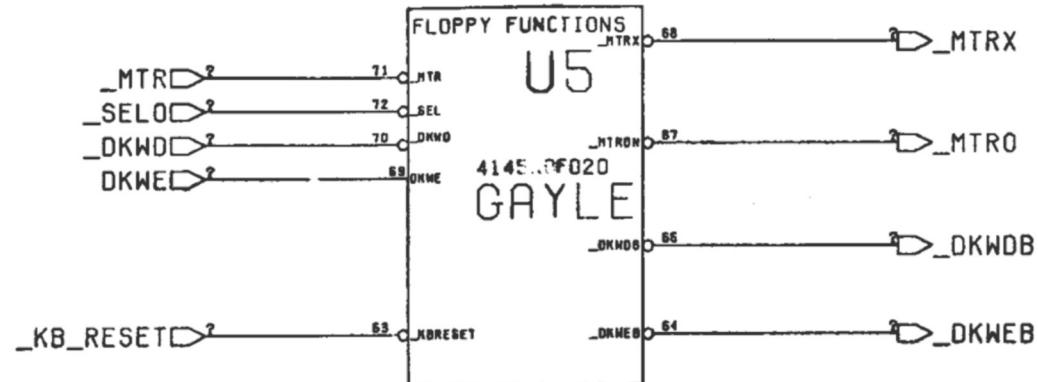
VIDEO POWER



DECOUPLING

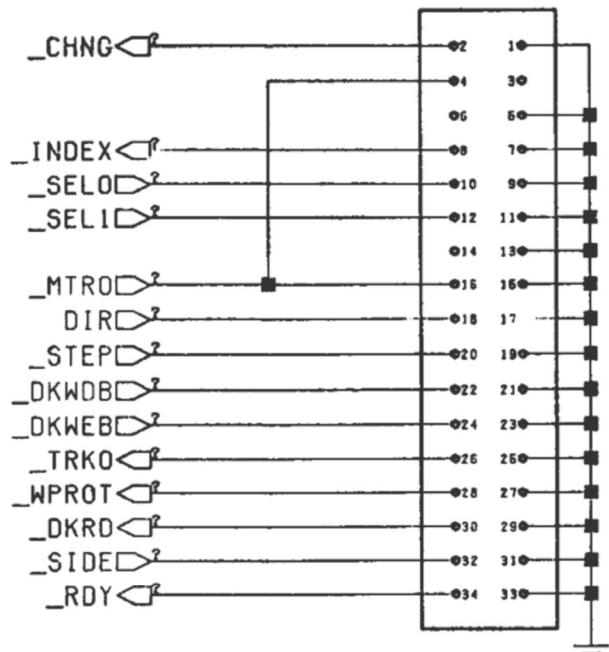
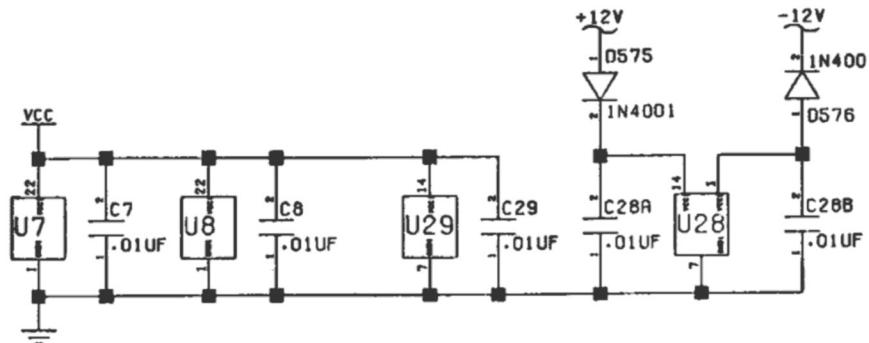


FLOPPY LOGIC



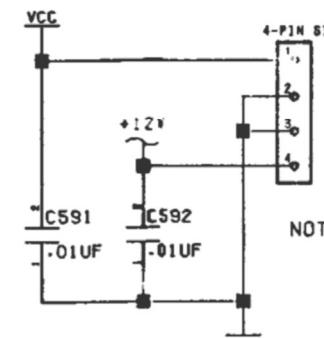
EXTERNAL FLOPPY

CN5



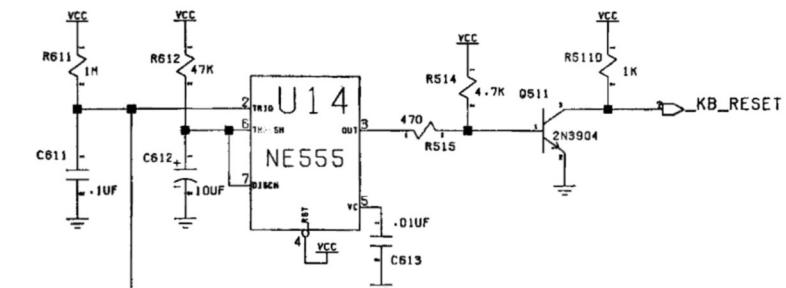
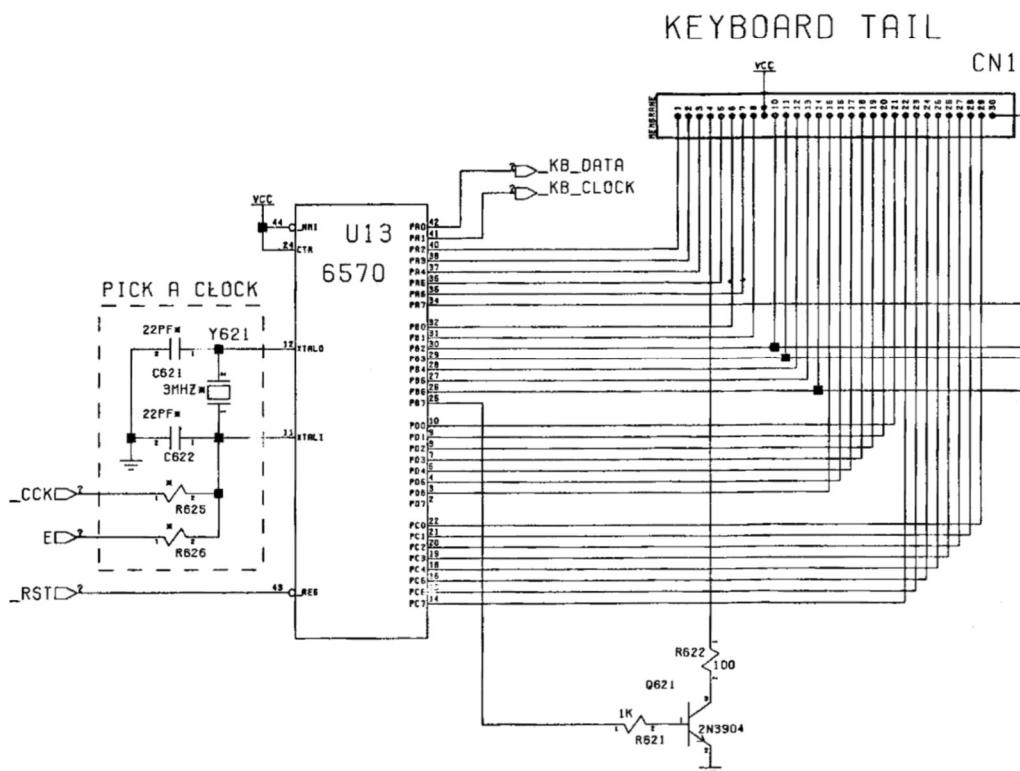
INTERNAL FLOPPY CN11

FLOPPY POWER

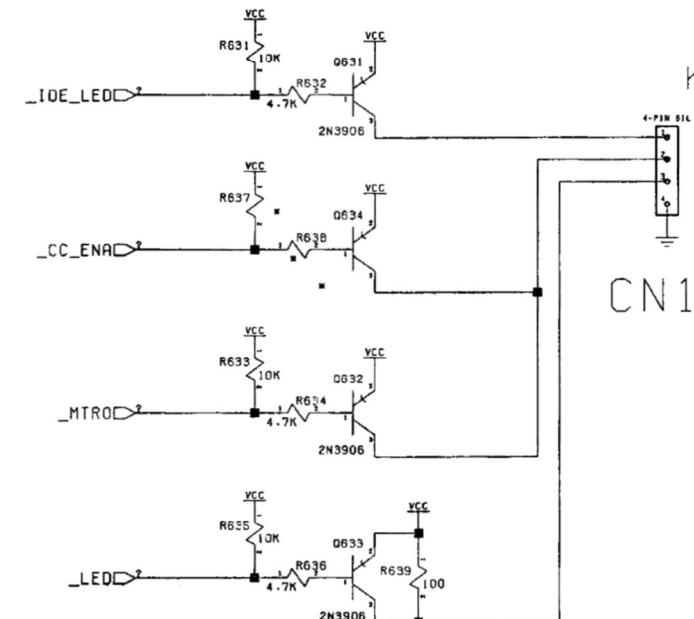
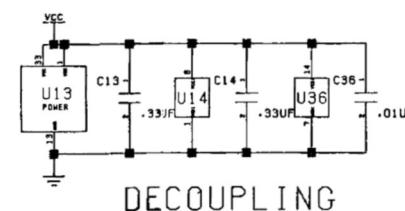


CN12

NOTE: SOME DRIVES ARE +5 ONLY...

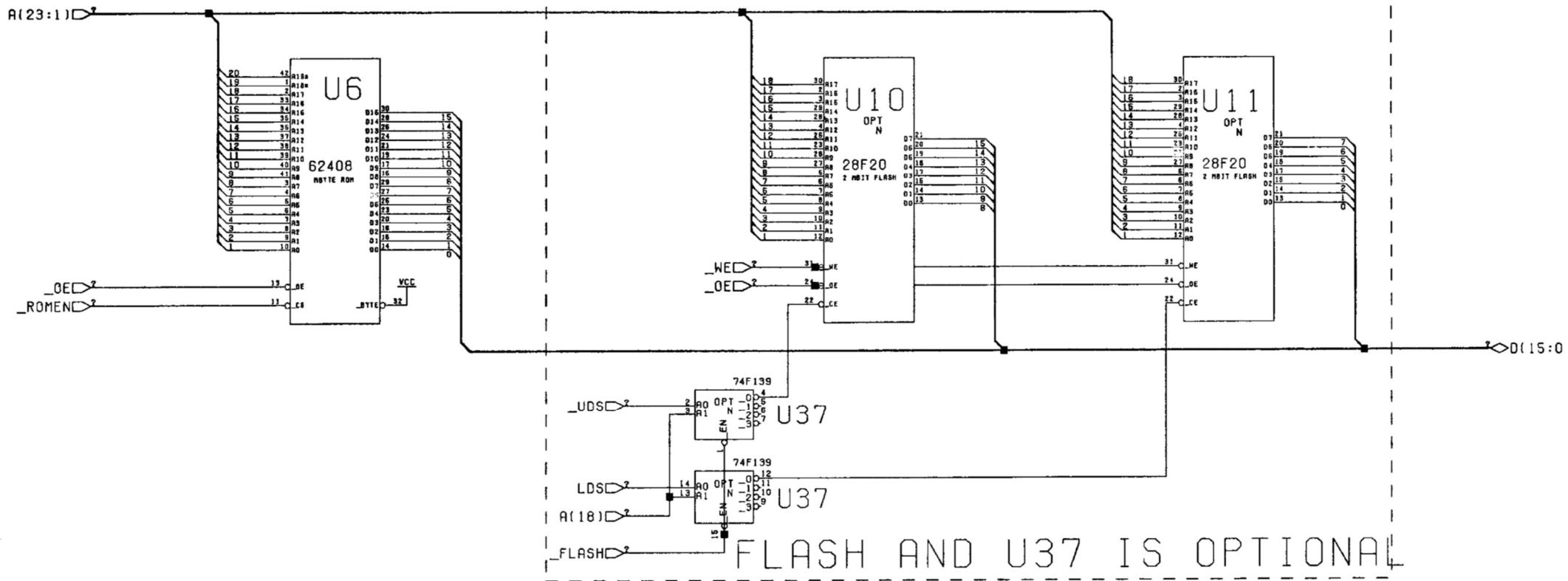


POWER UP RESET

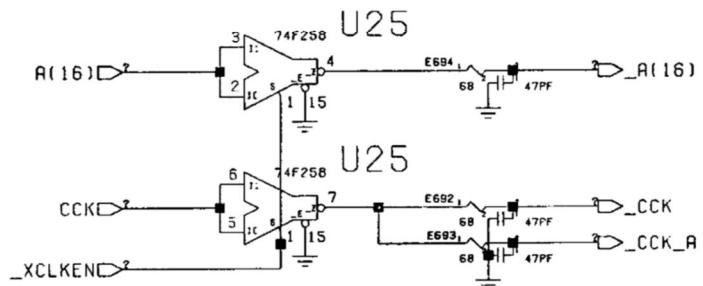
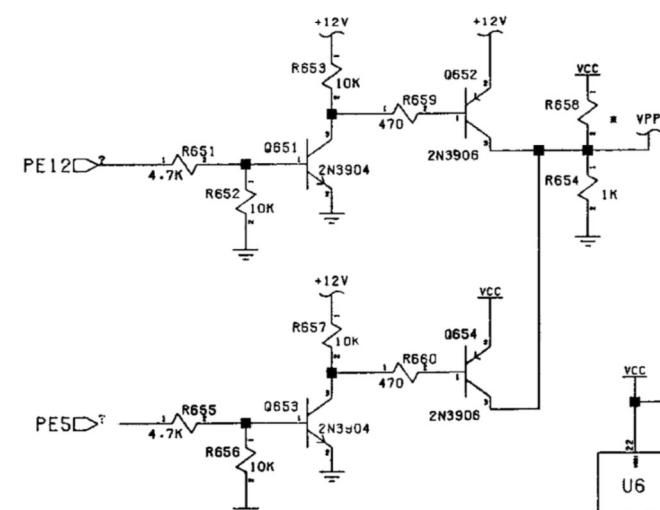


ROM

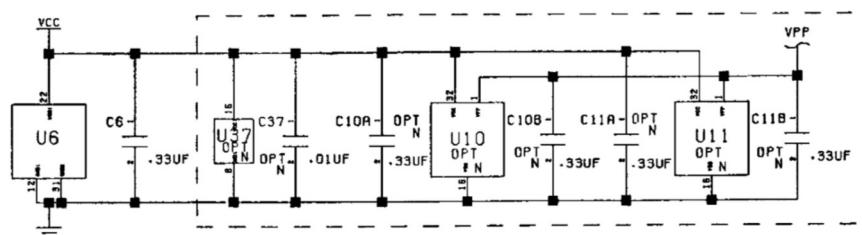
FLASH MEMORY



PROGRAMMING VOLTAGE



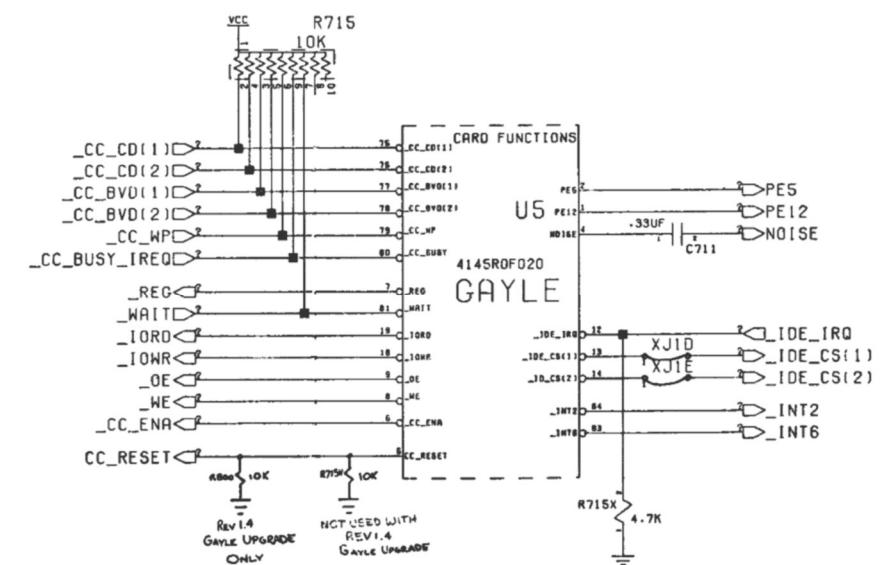
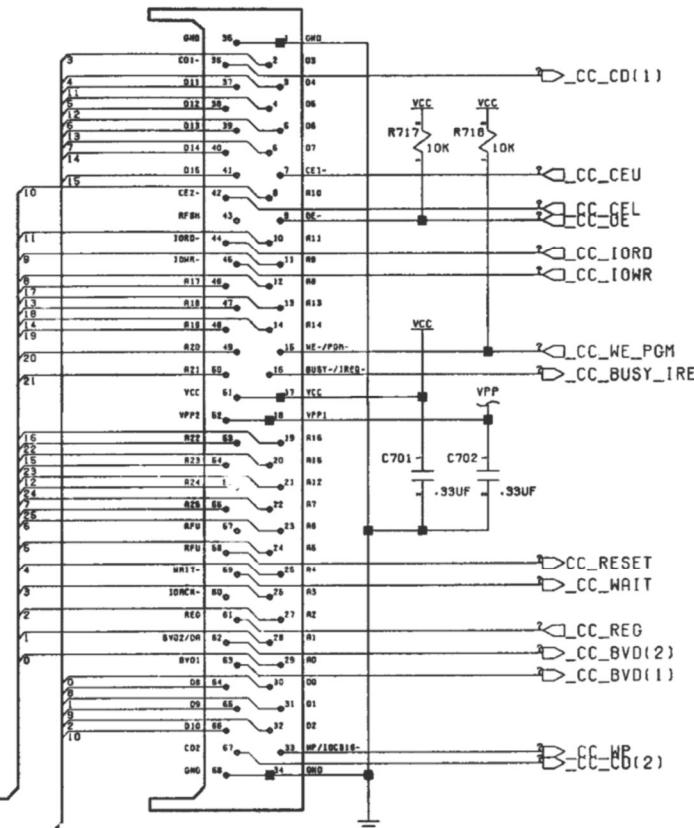
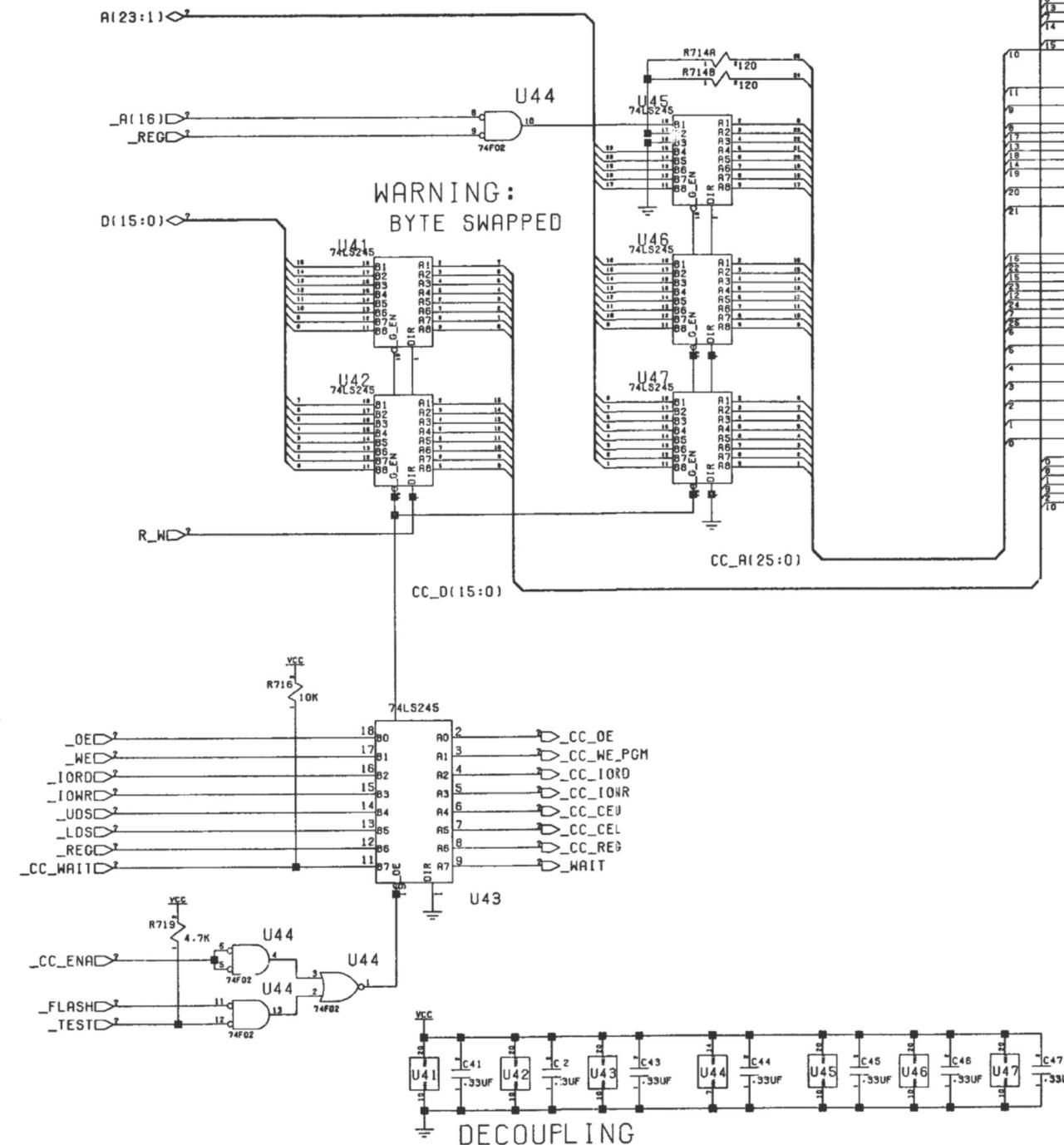
FUNNY INVERTERS



DECOUPLING

MEMORY CARD

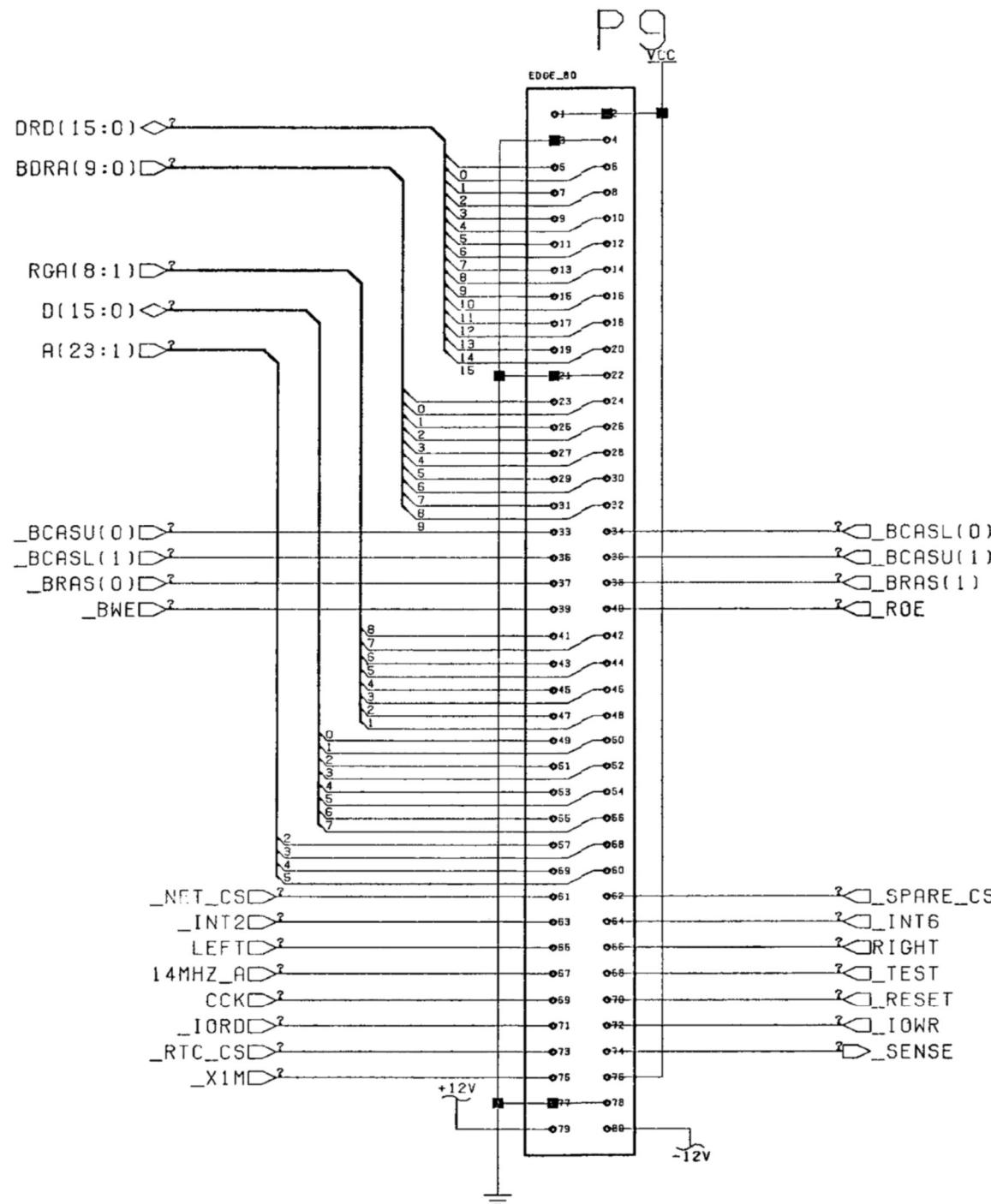
CN15



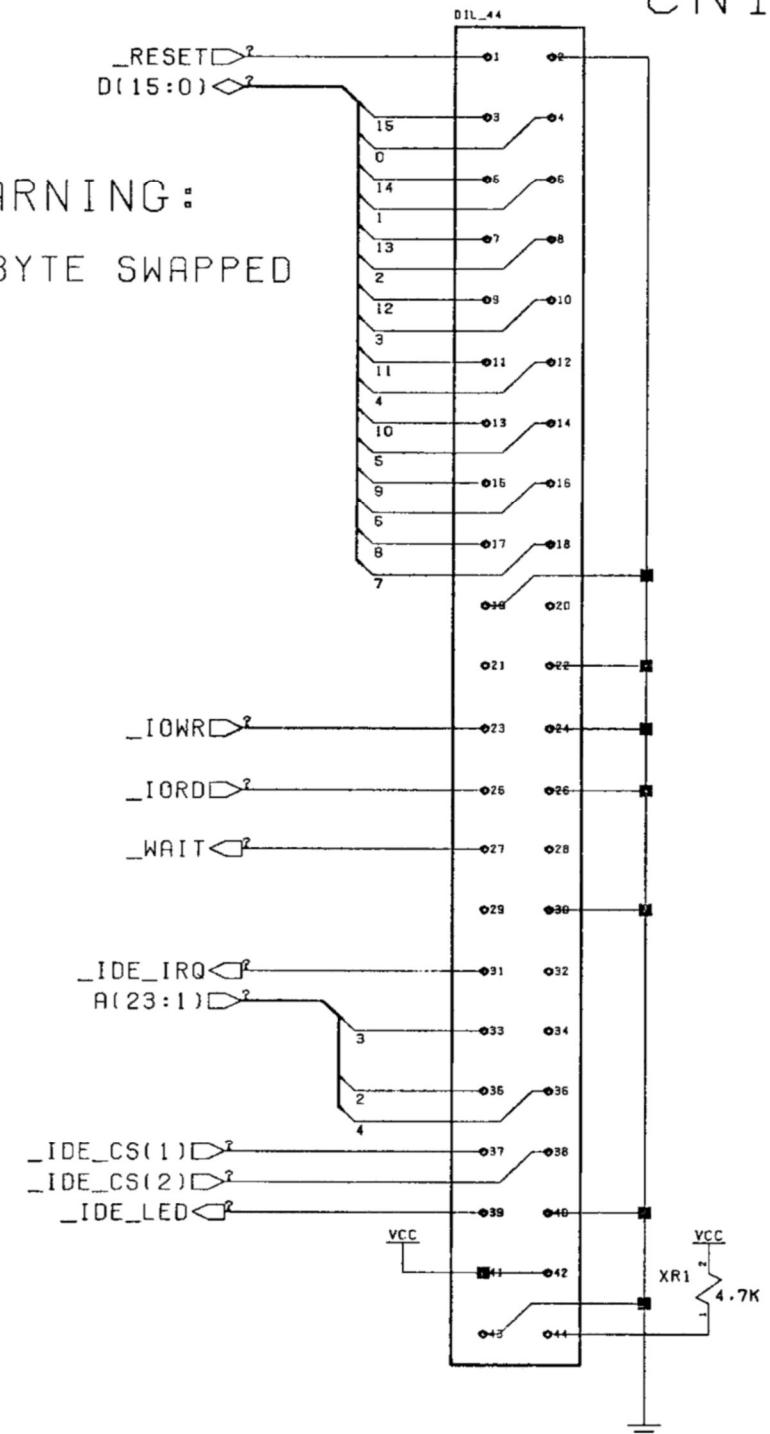
MEMORY EXPANSION

IDE DRIVE

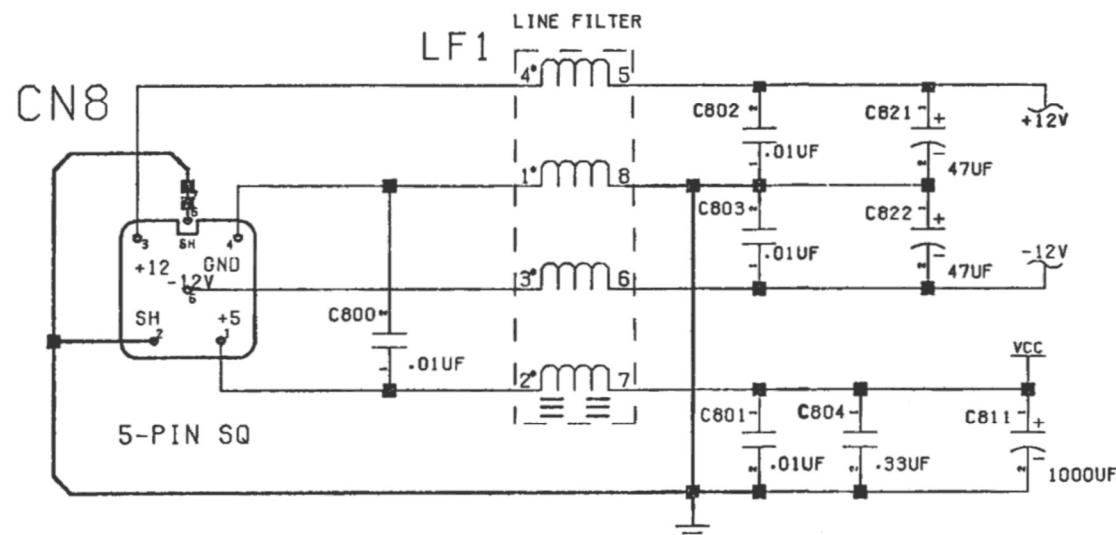
CN16



WARNING:
BYTE SWAPPED

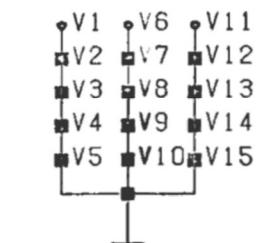
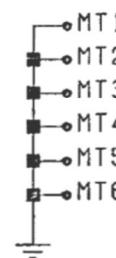
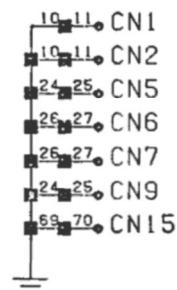


POWER INPUT



NOTE: HEAVY LINES INDICATE A
SINGLE POINT CONNECTION

GROUNDED HOLES, &c.



"BUS" TERMINATION

