

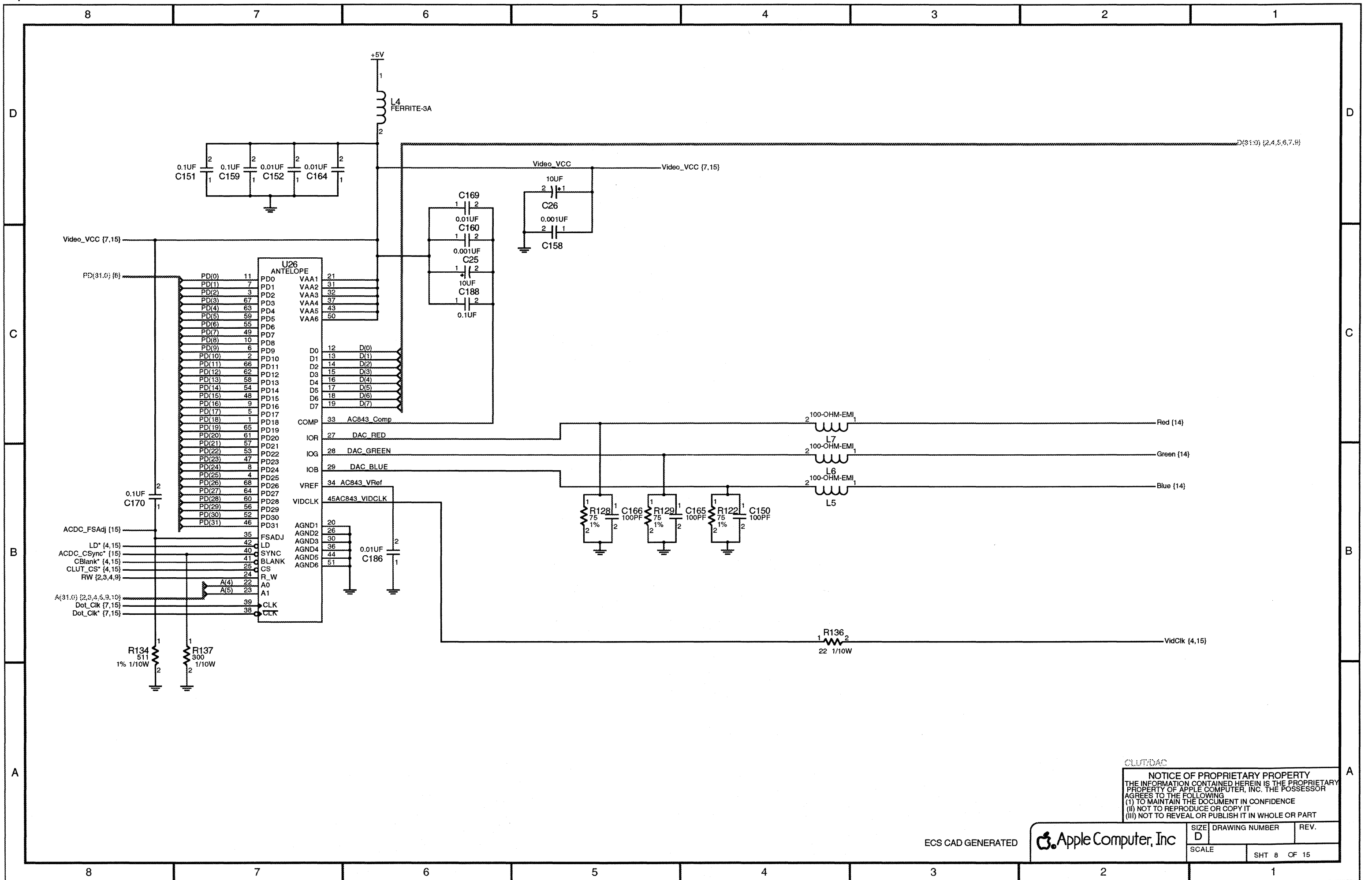
VRAM (coloured) & VRAM SIMMs

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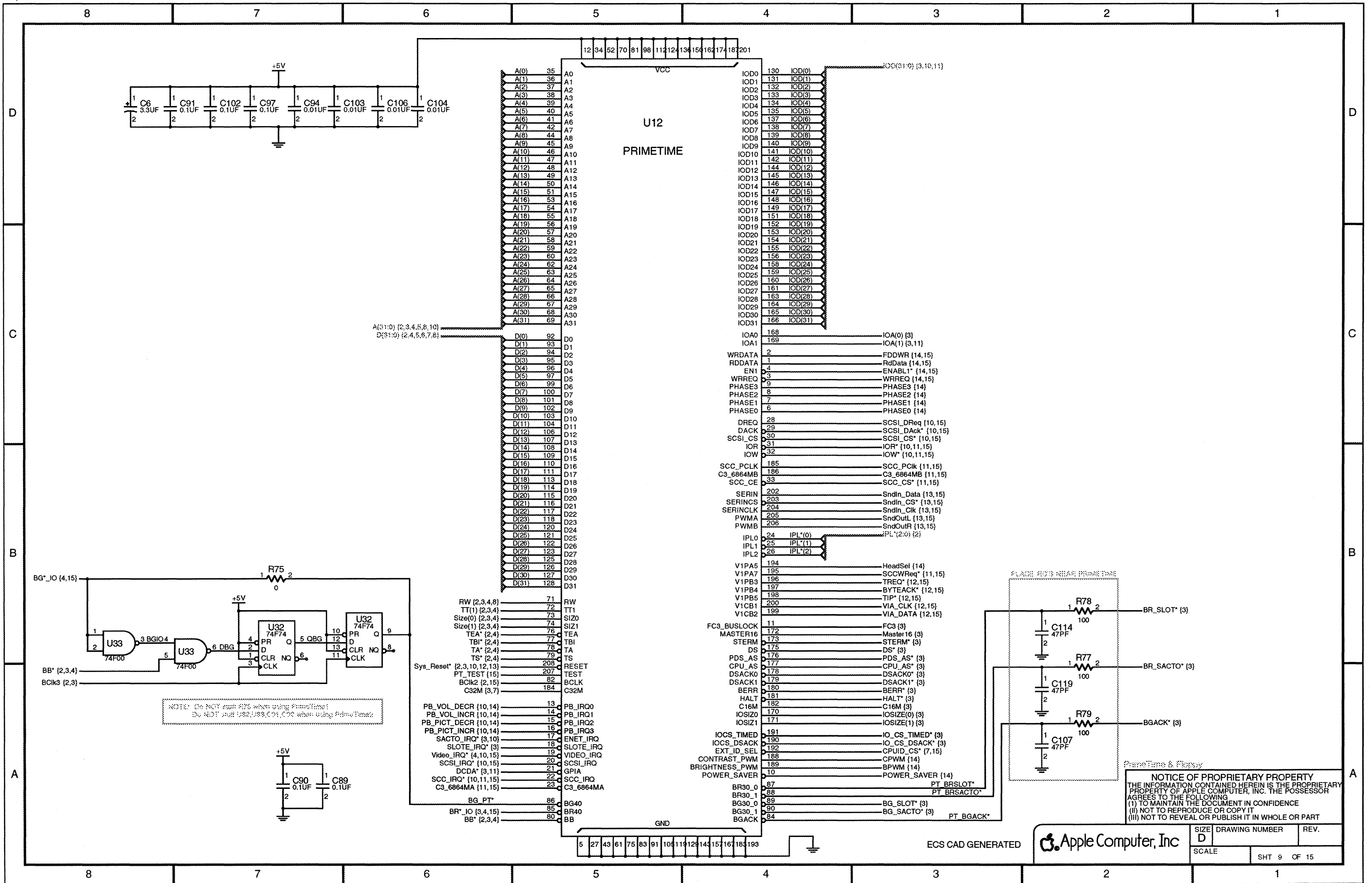
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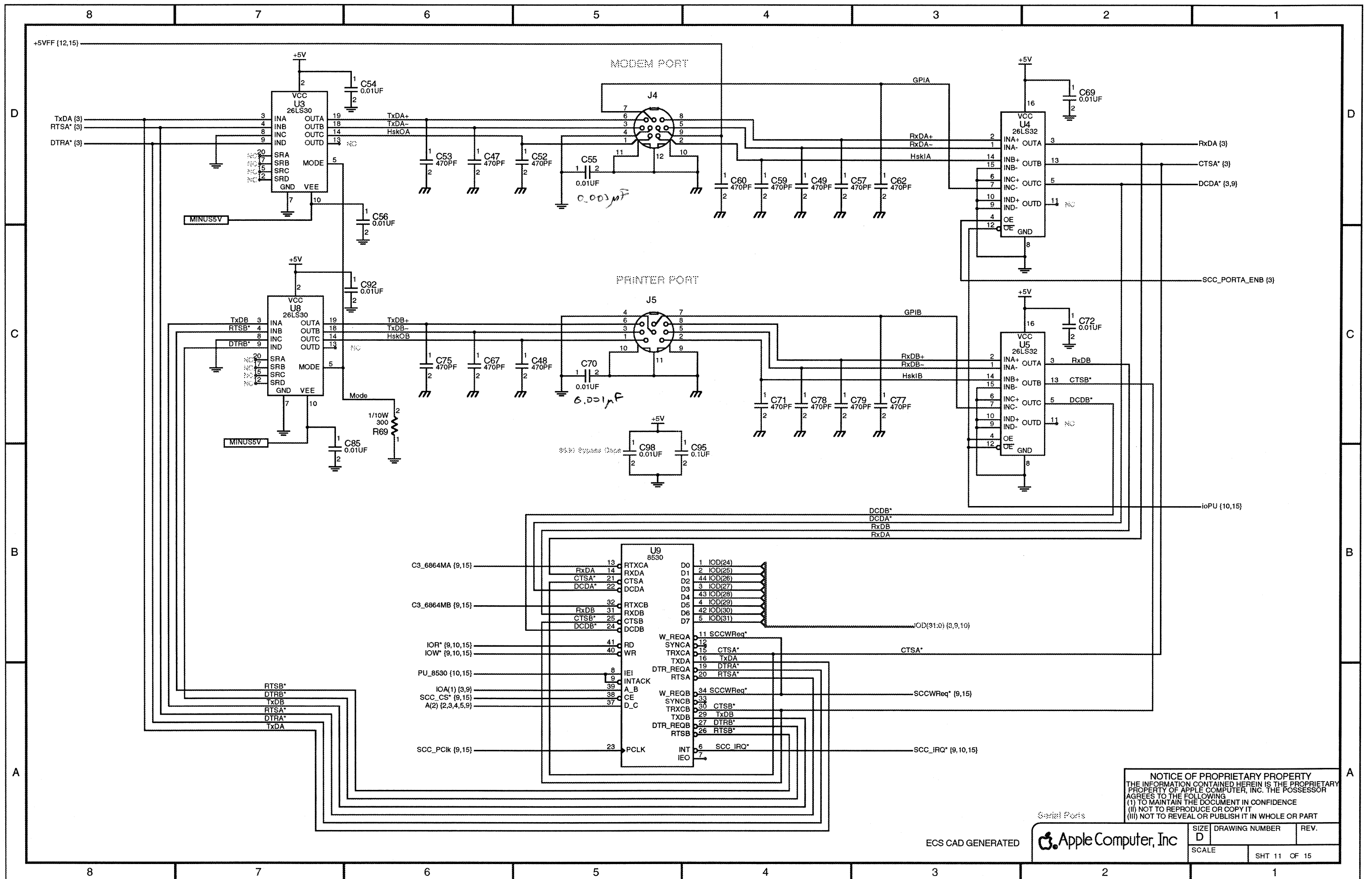
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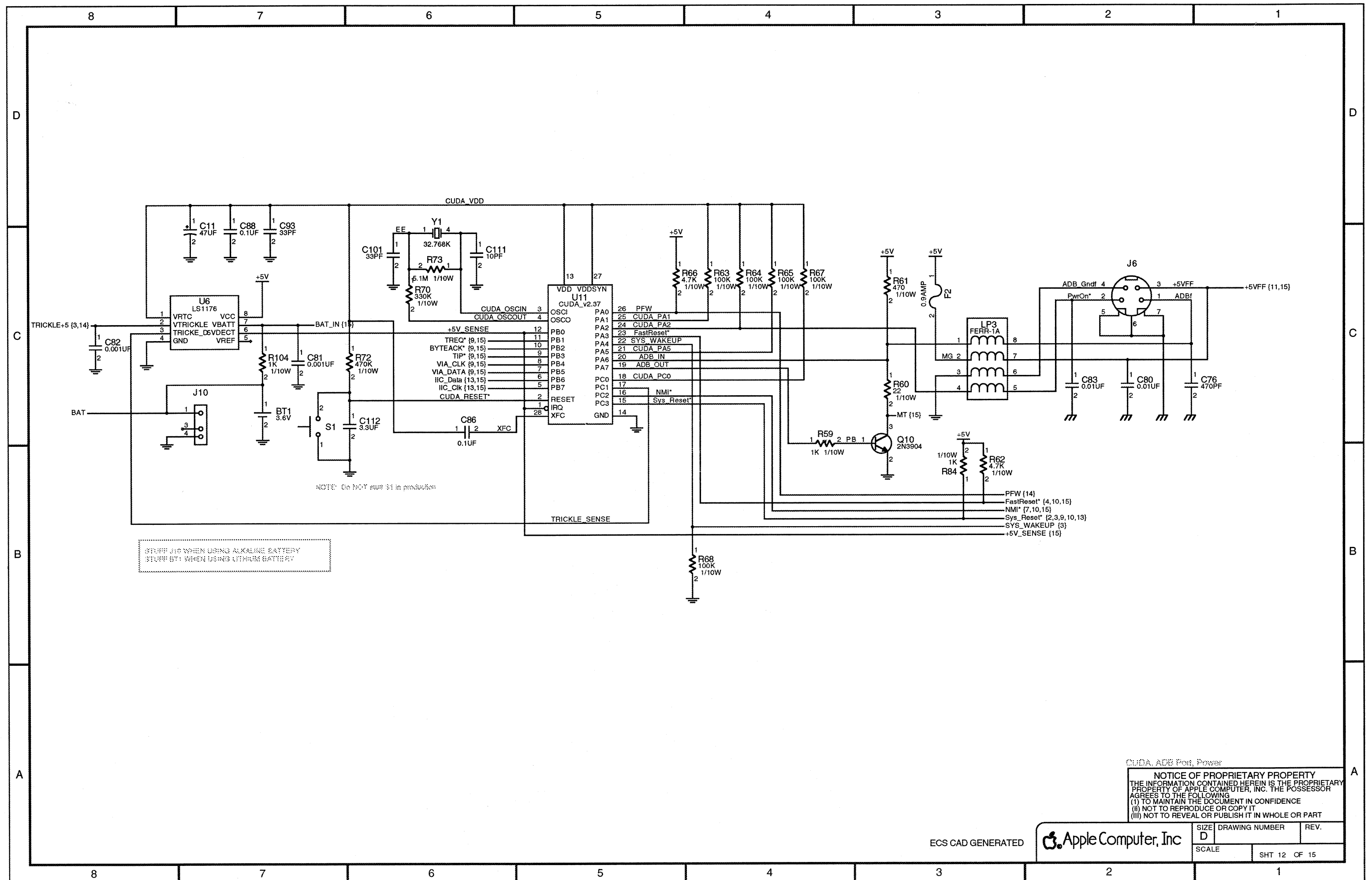
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Serial Ports

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SCALE	SHT 11	OF 15



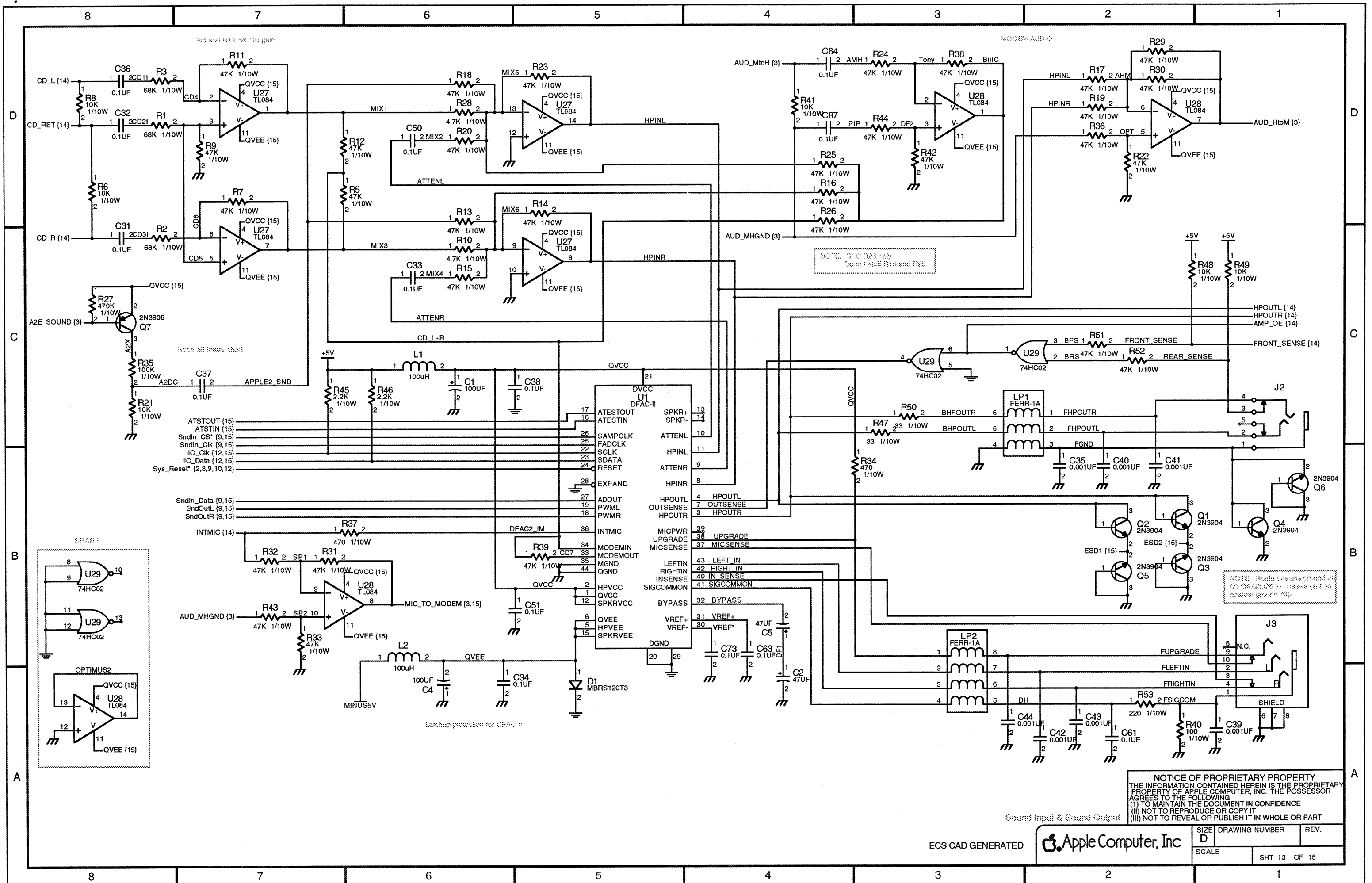
CUDA, ADB Post, Power

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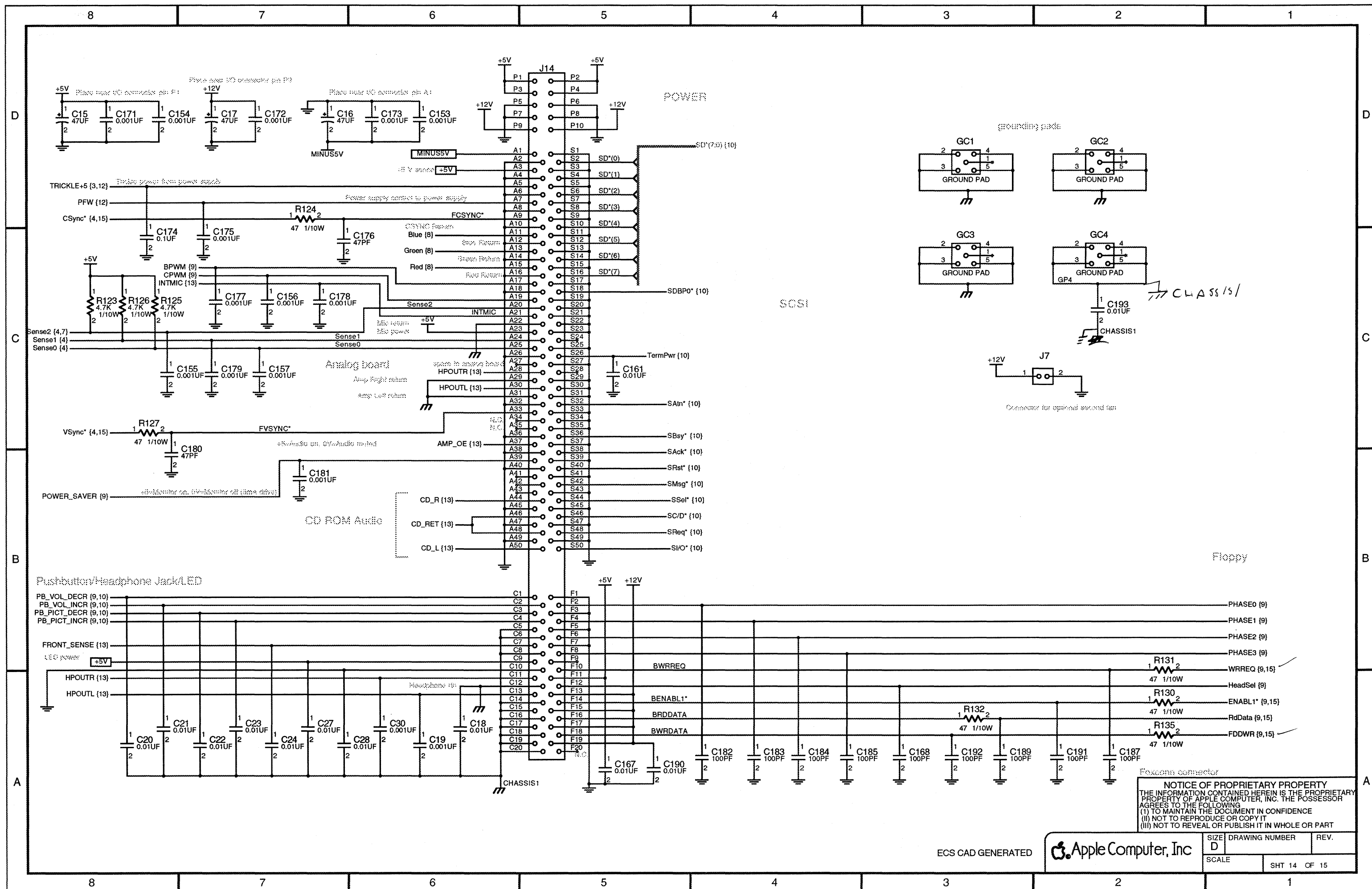
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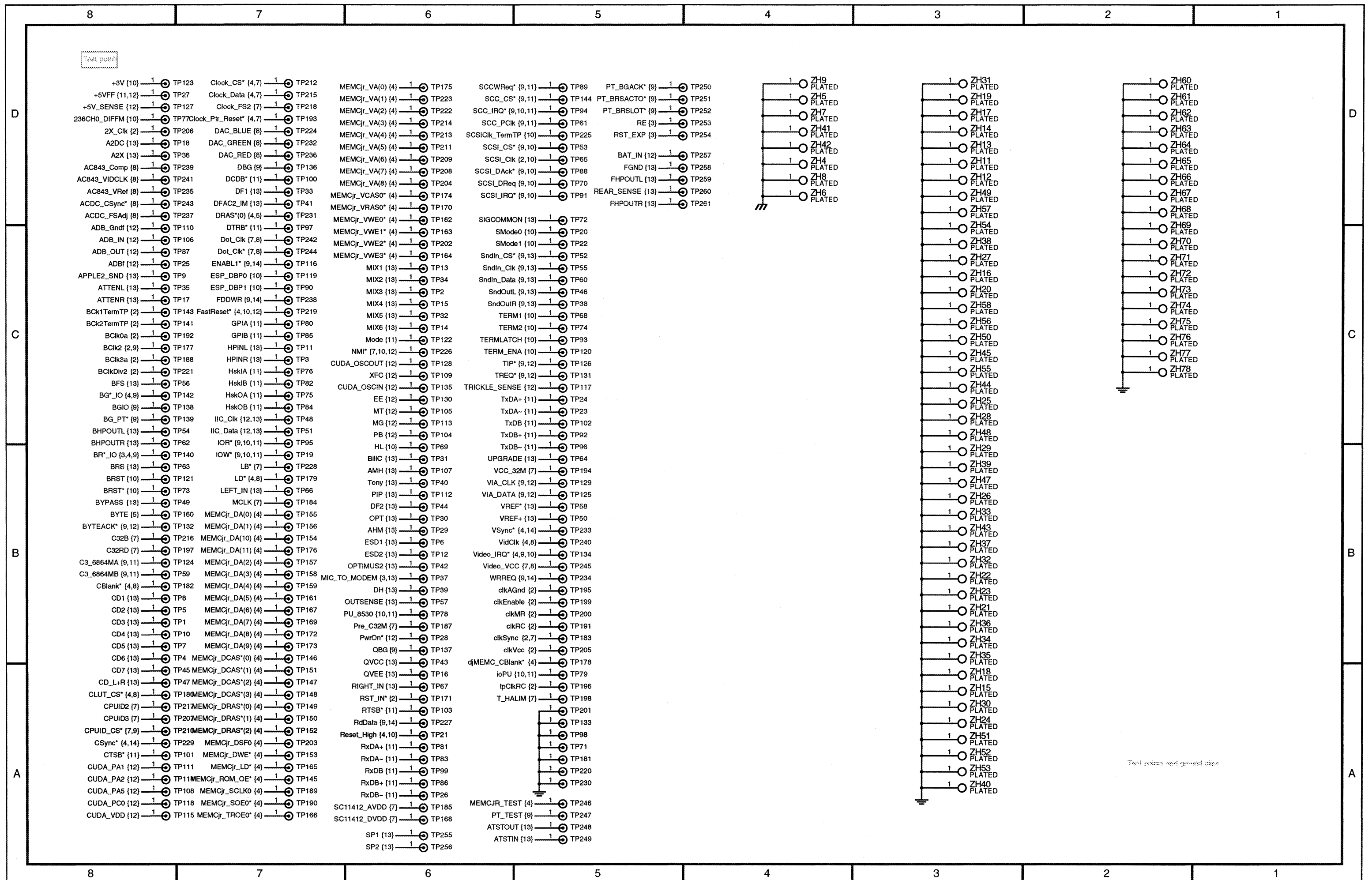
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SIZE	DRAWING NUMBER	REV.
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Optimus Main Logic Board BOM v4.1-25MHz											
Net Ripper BOM Conversion of: optimus_v20.bom, 4-27-1993 , 15:03											
The following items are being excluded:											
Ref.Des: ZH?,TP?,W?											
Filters are OR											
Sorting on: Ref. Des, P/N, Value											
Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators	Comments
1	2	101S1000	RES	RES_0805	RESISTOR,	0				R106,R116	qty increased by 1 (6/14/93)
2	4	101S1102	RES-V	RES_0805	RESISTOR,	100		1/10W		R40,R77,R78,R79	qty increased by 3 (6/14/93)
3	6	101S1103	RES	RES_0805	RESISTOR,	1K		1/10W		R59,R84,R85,R86,R87,R104	qty increased by 1 (3/15/93)
4	7	101S1104	RES-V	RES_0805	RESISTOR,	10K		1/10W		R6,R8,R21,R41,R48,R49,R58	
5	6	101S1105	RES-V	RES_0805	RESISTOR,	100K		1/10W		R35,R63,R64,R65,R67,R68	qty increased by 1 (2/16/93)
6	2	101S1183	RES-V	RES_0805	RESISTOR,	1.8K		1/10W		R98,R133	qty increased by 1 (3/15/93)
7	2	101S1221	RES-V	RES_0805	RESISTOR,	22		1/10W		R60,R136	
8	1	101S1222	RES	RES_0805	RESISTOR,	220		1/10W		R53	new part (2/16/93)
9	2	101S1223	RES-V	RES_0805	RESISTOR,	2.2K		1/10W		R45,R46	new part (2/16/93)
10	12	101S1302	RES-V	RES_0805	RESISTOR,	300		1/10W		R55,R69,R71,R81,R82,R91,R95,R105	qty decreased by 3 (6/14/93)
										R117,R119,R121,R137	
11	1	101S1330	RES-V	RES_0805	RESISTOR,	3.3		1/10W		R92	new part (5/17/93)
12	3	101S1331	RES	RES_0805	RESISTOR,	33		1/10W		R47,R50,R93	qty Increased by 1 (5/17/93)
13	1	101S1335	RES-V	RES_0805	RESISTOR,	330K		1/10W		R70	
14	15	101S1471	RES	RES_0805	RESISTOR,	47		1/10W		R74,R88,R90,R94,R100,R101,R102,R108,R113,R124	qty increased by 3 (4/22/93)
										R127,R130,R131,R132,R135	
15	5	101S1472	RES-V	RES_0805	RESISTOR,	470		1/10W		R34,R37,R56,R57,R61	qty decreased by 1 (3/15/93)
16	15	101S1473	RES	RES_0805	RESISTOR,	4.7K		1/10W		R10,R28,R62,R66,R89,R96,R99,R103	qty increased by 2 (3/15/93)
										R114,R115,R118,R123,R125,R126,R138	
17	29	101S1474	RES-V	RES_0805	RESISTOR,	47K		1/10W		R5,R7,R9,R11,R12,R13,R14,R15,R17	qty increased by 4 (6/14/93)
										R18,R19,R20,R22,R23,R24,R26,R29,R30	
										R31,R32,R33,R36,R38,R39,R42,R43,R44,R51	
										R52	
18	3	101S1475	RES-V	RES_0805	RESISTOR,	470K		1/10W		R27,R72,R107	
19	1	101S1516	RES	RES_0805	RESISTOR,	5.1M		1/10W		R73	
20	3	101S1684	RES	RES_0805	RESISTOR,	68K		1/10W		R1,R2,R3	
21	1	106S1212	RES-V	RES_0805	RESISTOR,	121		1/10W	1%	R80	new part (4/22/93)
22	3	106S4991	RES-V	RES_0805	RESISTOR,	49.9		1/10W	1%	R54,R76,R83	qty decreased by 1 (3/15/93)
23	2	106S5112	RES	RES_0805	RESISTOR,	511		1/10W		R97,R134	
24	1	106S6191	RES	RES_0805	RESISTOR,	61.9		1/10W	1%	R4	
25	3	108S7501	RES-V	RES_1206	RESISTOR,	75			1%	R122,R128,R129	
26	5	112S0301	RPAK8P	SOI_16M	RPAK, 16 PIN, ISOLATED,	47		1/10W		RP5,RP6,RP7,RP8,RP9	qty decreased by 1 (3/12/93)
27	4	112S0406	RPAK16C	SOI_16M	RPAK, 16 PIN, BUSSED,	4.7K		1/20W		RP1,RP2,RP3,RP4	
28	2	126S1020	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	100UF	6.3V		20%	C1,C4	qty increased by 1 (6/14/93)
29	10	126S4710	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	47UF	16V		20%	C2,C5,C8,C11,C12,C13,C15,C16,C17,C29	qty decreased by 1 (6/14/93)
30	4	127S1012	CAP-V	CAP_TANTC_SM	CAPACITOR, POLARIZED,	10UF	16V		20%	C3,C7,C25,C26	
31	4	127S3301	CAP-V	CAP_TANTB_SM	CAPACITOR, POLARIZED,	3.3UF	16V		20%	C6,C9,C10,C14	
32	1	131S1010	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	10PF	50V		10%	C111	qty decreased by 3 (6/14/93)
33	12	131S1021	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	100PF	50V		5%	C150,C165,C166,C168,C182,C183,C184,C185,C187,C189	
										C191,C192	qty increased by 1 (3/12/93)
34	3	131S2220	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	220PF	50V		10%	C64,C96,C116	qty increased by 1 (6/14/93)
35	3	131S3310	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	33PF	50V		10%	C68,C93,C101	qty increased by 3 (6/14/93)
36	5	131S4710	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	47PF	25V		20%	C107,C114,C119,C176,C180	qty decreased by 8 (6/14/93)
37	16	131S4720	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	470PF	50V		10%	C47,C48,C49,C52,C53,C57,C59,C60,C62,C67	
										C71,C75,C76,C77,C78,C79	qty increased by 6 (6/14/93)
38	27	132S1030	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.001UF	50V		10%	C19,C30,C35,C39,C40,C41,C42,C43,C44,C81	
										C82,C135,C153,C154,C155,C156,C157,C158,C160,C171	
										C172,C173,C175,C177,C178,C179,C181	qty increased by 9 (6/14/93)
39	57	132S1041	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.01UF	50V		10%	C18,C20,C21,C22,C23,C24,C27,C28,C46,C54	
										C55,C56,C65,C66,C69,C70,C72,C80,C83,C85	
										C92,C94,C98,C99,C100,C103,C104,C105,C106,C108	
										C110,C117,C118,C122,C123,C125,C127,C128,C130,C131	
										C134,C136,C138,C139,C141,C145,C146,C149,C152,C161	

40	48	132S1053	CAP-NP	CAP_0805	CAPACITOR, NON-POLARIZED,	0.1UF	25V		20%	C162,C164,C167,C169,C186,C190,C193	qty increased by 2 (3/17/93)
										C31,C32,C33,C34,C36,C37,C38,C45,C50,C51	
										C58,C61,C63,C73,C74,C84,C86,C87,C88,C89	
										C90,C91,C95,C97,C102,C109,C113,C115,C120,C121	
										C124,C126,C129,C132,C133,C137,C140,C142,C143,C144	
										C147,C148,C151,C159,C163,C170,C174,C188	
41	1	138S0303	CAP-NP-V		1206 CAPACITOR, NON-POLARIZED,	3.3UF	50V		10%	C112	
42	2	151S1020	IND		INDUCTOR,	100uH				L1,L2	
43	1	155-0063	LPAK3P	IND_6W450_SM	LPAK, FILTER, 3 LINE,SMD	FERR-1A				LP1	
44	2	155-0064	LPAK4P	IND_8W450_SM	LPAK, FILTER, 4 LINE,SMD	FERR-1A				LP2,LP3	
45	1	155-0070	IND	FERRITE	INDUCTOR	FERRITE BEAD				L3	
46	3	155S0076	IND	IND_0805	INDUCTOR,	100-OHM-EMI				L5,L6,L7	
47	1	159S0002	IND-V	S_IND_FER_217	INDUCTOR,	FERRITE-3A				L4	
48	1	197S0211	CRYSTAL-4PIN-SM	CRY_4PIN_SM	CRYSTAL, 4 PIN,	32.768K				Y1	
49	1	197S0512	OSC	OSC_4PIN_SM	OSCILLATOR, TRI-STATE,	31.3344M				G1	
50	1	291S0002	74HC02-SOI	SOI_14N	IC, 74HC02 QUAD 2-INPUT NOR					U29	
51	1	297S0004	74HCT04-SOI	SOI_14N	IC, 74HCT04 HEX INVERTER					U30	new part (3/17/93)
52	1	299S0000	74F00-SOI	SOI_14N	IC, 74F00 QUAD 2-INPUT NAND					U33	new part (3/17/93)
53	1	299S0074	74F74-SOI-I	SOI_14N	IC, 74F74 DUAL D-TYPE FLIP-FLOP					U32	
54	1	299S0244	74F244-SOI-I	SOI_20W	IC, 74F244 OCTAL TS BUFFER					U23	qty increase by 1 (3/12/93)
55	2	315S2630	26LS30-PLC	PLC_20	IC, 26LS30, LINE DRIVER					U3,U8	
56	2	315S2632	26LS32-SOI	SOI_16N	IC, 26LS32, DIF. LINE DRIVER					U4,U5	
57	8	333S1021	DRAM-1MX4-80-SOJ	SOJ_26_OFFSET	DRAM, 1MX4, 80NS, SOJ					U10,U13,U14,U16,U18,U22,U24,U25	
58	1	337-6881	68LC040-20-PGA	PGA_68040	IC, 68LC040 CPU, 25MHZ					U15	part number assigned (4/22/93)
59	1	337S5396	53C96-FLA	FLA_20X30	IC, 53C96					U2	
60	1	337S8532	8530-8-PLC-I	PLC_44	IC, 8530 8MHZ, SCC					U9	
61	1	341S0788	EGRET-SOI	SOI_28W	IC, CUSTOM, CUDA v2.37					U11	part number changed (6/14/93)
62	1	341S1062	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-LO, 256KX16, 150NS					U35	part number assigned (4/22/93)
63	1	341S1063	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-HI, 256KX16, 150NS					U34	part number assigned (4/22/93)
64	1	343-0129	DFAC-II-PLC	PLC_44	IC, ASIC DIGITALLY FILTERED AUDIO CHIP II					U1	
65	1	343S0120	PWR-MON-LS1176-SOI	SOI_8N	IC, LS1176, POWER MONITOR					U6	
66	1	343S0135	PRIMETIME	FLA_208	IC,PRIMETIME ASIC					U12	part number assigned (3/17/93)
67	1	343S0161	SC11412-CLKGEN	SOI_16W	IC, PROGRAMMABLE FREQ. GENERATOR					U19	part number assigned (4/22/93)
68	1	343S0164	MEMCJR	FLA_160	IC, MEMCJR GATE ARRAY					U17	part number assigned (3/17/93)
69	1	343S1091	AC842-PLC	PLC_68	IC, ANTELOPE, CUSTOM VIDEO CLUT/DAC					U26	
70	2	353S0084	OPAMP-TL084-SOI	SOI_14N	IC, OPAMP TL084,JFET,QUAD					U27,U28	
71	1	353S3468	REG-MC34268-SOI	SOI_8N	VOLTAGE REG, SCSI ACTIVE TERMINATION					U31	
72	1	355S1423	MCCS142235	SOI_24N	SCSI BUS ACTIVE TERMINATOR					U7	
73	1	359S0021	CLK-DR-MC88920-SOI	SOI_20W	IC, MC88920, LOW SKEW CMOS PLL CLOCK DRIVER					U20	new part (3/12/93)/25MHz config only
74	2	371S0007	DIODE-V	DIO_SMB_SM	DIODE,	MBRS120T3				D1,D2	
75	7	372S3904	TRA-2N3904-SM	TRA_SOT23	TRAN, 2N3904, SM NPN	2N3904				Q1,Q2,Q3,Q4,Q5,Q6,Q10	qty increased by 6 (2/16/93)
76	1	372S3906	TRA-2N3906-SM	TRA_SOT23	TRAN, 2N3906, PNP SM	2N3906				Q7	
77	2	376S0003	TRA-2N2222-SM	TRA_SOT23	TRAN, 2N2222, SM NPN	2N2222				Q8,Q9	
78	1	513-0212	CON-112ST-MICROCHAN	CON_112ST_MICROCHAN	CON, 112PIN MICROCHANNEL 1KEY/1WEB					J9	part number assigned (4/22/93)
79	1	513-0302	CON-FOXCONN	NEW_MLB	CON,MALE,IO,MLB					J14	
80											
81	1	515-1308	CON-4ST-BTRY	CON_4ST_HDRA	CONN,1 ROW,.100 CENTERS					J10	part number assigned (4/22/93)
82	1	517-0711	CON-SIMM-72ST	CON_72ST_SIMM	CONN, 72 PIN SIMM					J12	
83	1	517-0714	CON-8RT-DIN-SHIELD	CON_8RT_DIN_SL	CONN, 8 PIN MINI DIN, SHIELDED,PLATINUM					J5	new part (2/16/93)
84	1	517-0715	CON-4RT-DIN-SHIELD	CON_4RT_DIN_SL	CONN, 4 PIN MINI DIN,SHIELDED,PLATINUM					J6	new part (3/12/93)
85	1	517-0743	CON-SIMM-2X68ST	CON_68X2_SIMM	CONN, 68X2 SIMM					J11	
86	1	517-0745	CON-SIMM-64ST	CON_ROMSIMM	CONN, 64 PIN SIMM SOCKET					J13	
87	1	517-0764	CON-F9RT-DIN	CON_9RT_DIN	CONN, ASSY, CIRCULAR DIN					J4	new part (3/12/93)
88	1	517-1265	CON-F120ST-SKT	CON_120ST_EURO_GAP	CONN, 120 PIN STRAIGHT					J8	
89											
90	1	515-0439	CON-STEREOJACK	CON_515_0431	CONN, STEREO JACK,HPHONE					J2	
91	1	519-0597	CON-F25RT-DB-A	CON_25RT_DBA	CONN, 25 PIN DSUB, RT					J1	new part (4/22/93)
92	1	519-0934	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	new part (4/22/93)
alt-92	alt	519-0822	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	alternate
93											
94	2	740S0500	FUSE	FUSE_POLY_SMD	FUSE,	0.9AMP				F1,F2	
95	4	805-0685	TEST-PROBE	TEST_PROBE	GROUND PAD					GC1,GC2,GC3,GC4	new part (4/22/93)
Non-ECS BOM items											

Optimus v4.1 BOM-25MHz

Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators	
1	1	742-0025	Battery		alt. to 742-0011						
2	2	333-0133	SIMM,VRAM,128Kx8x2, 80ns							stuffed into location J4	
3	2	333-0134	SINN,VRAM,256Kx4x4, 80ns							stuffed into location J4/alt. to 128K x 16 VRAM SIMMs	
4	1	511-0102	Socket, PGA	68040_PGA	Socket, PGA					stuff U2 into	
5	1	820-0464-04	PCB bare board								
											part number changed (5/17/93)

Optimus Main Logic Board BOM v4.1-33MHz											
Net Ripper BOM Conversion of: optimus_v20.bom, 4-27-1993 , 15:03											
The following items are being excluded:											
Ref.Des: ZH?,TP?,W?											
Filters are OR											
Sorting on: Ref. Des, P/N, Value											
Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators	Comments
1	2	101S1000	RES	RES_0805	RESISTOR,	0				R116,R120	
2	4	101S1102	RES-V	RES_0805	RESISTOR,	100		1/10W		R40,R77,R78,R79	qty increased by 1 (6/14/93)
3	6	101S1103	RES	RES_0805	RESISTOR,	1K		1/10W		R59,R84,R85,R86,R87,R104	qty increased by 3 (6/14/93)
4	7	101S1104	RES-V	RES_0805	RESISTOR,	10K		1/10W		R6,R8,R21,R41,R48,R49,R58	qty increased by 1 (3/15/93)
5	6	101S1105	RES-V	RES_0805	RESISTOR,	100K		1/10W		R35,R63,R64,R65,R67,R68	
6	2	101S1183	RES-V	RES_0805	RESISTOR,	1.8K		1/10W		R98,R133	qty increased by 1 (2/16/93)
7	2	101S1221	RES-V	RES_0805	RESISTOR,	22		1/10W		R60,R136	qty increased by 1 (3/15/93)
8	1	101S1222	RES	RES_0805	RESISTOR,	220		1/10W		R53	
9	2	101S1223	RES-V	RES_0805	RESISTOR,	2.2K		1/10W		R45,R46	new part (2/16/93)
10	12	101S1302	RES-V	RES_0805	RESISTOR,	300		1/10W		R55,R69,R71,R81,R82,R91,R95,R105,R111	new part (2/16/93)
										R117,R121,R137	qty decreased by 3 (6/14/93)
11	1	101S1330	RES-V	RES_0805	RESISTOR,	3.3		1/10W		R92	
12	3	101S1331	RES	RES_0805	RESISTOR,	33		1/10W		R47,R50,R93	new part (5/17/93)
13	1	101S1335	RES-V	RES_0805	RESISTOR,	330K		1/10W		R70	qty Increased by 1 (5/17/93)
14	15	101S1471	RES	RES_0805	RESISTOR,	47		1/10W		R74,R88,R90,R94,R100,R101,R102,R108,R113,R124	
										R127,R130,R131,R132,R135	qty increased by 3 (4/22/93)
15	5	101S1472	RES-V	RES_0805	RESISTOR,	470		1/10W		R34,R37,R56,R57,R61	
16	15	101S1473	RES	RES_0805	RESISTOR,	4.7K		1/10W		R10,R28,R62,R66,R89,R96,R99,R103,R112	qty decreased by 1 (3/15/93)
										R114,R115,R123,R125,R126,R138	qty increased by 2 (3/15/93)
17	29	101S1474	RES-V	RES_0805	RESISTOR,	47K		1/10W		R5,R7,R9,R11,R12,R13,R14,R15,R17	
										R18,R19,R20,R22,R23,R24,R26,R29,R30	qty increased by 4 (6/14/93)
										R31,R32,R33,R36,R38,R39,R42,R43,R44,R51	
										R52	
18	3	101S1475	RES-V	RES_0805	RESISTOR,	470K		1/10W		R27,R72,R107	
19	1	101S1516	RES	RES_0805	RESISTOR,	5.1M		1/10W		R73	
20	3	101S1684	RES	RES_0805	RESISTOR,	68K		1/10W		R1,R2,R3	
21	1	106S1402	RES-V	RES_0805	RESISTOR,	140		1/10W	1%	R80	new part (4/22/93)
22	3	106S4991	RES-V	RES_0805	RESISTOR,	49.9		1/10W	1%	R54,R76,R83	qty decreased by 1 (3/15/93)
23	2	106S5112	RES	RES_0805	RESISTOR,	511		1/10W		R97,R134	qty decreased by 1 (3/15/93)
24	1	106S6191	RES	RES_0805	RESISTOR,	61.9		1/10W	1%	R4	
25	3	108S7501	RES-V	RES_1206	RESISTOR,	75			1%	R122,R128,R129	
26	5	112S0301	RPAK8P	SOI_16M	RPAK, 16 PIN, ISOLATED,	47		1/10W		RP5,RP6,RP7,RP8,RP9	
27	4	112S0406	RPAK16C	SOI_16M	RPAK, 16 PIN, BUSSED,	4.7K		1/20W		RP1,RP2,RP3,RP4	qty decreased by 1 (3/12/93)
28	2	126S1020	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	100UF	6.3V		20%	C1,C4	
29	10	126S4710	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	47UF	16V		20%	C2,C5,C8,C11,C12,C13,C15,C16,C17,C29	qty increased by 1 (6/14/93)
30	4	127S1012	CAP-V	CAP_TANTC_SM	CAPACITOR, POLARIZED,	10UF	16V		20%	C3,C7,C25,C26	qty decreased by 1 (6/14/93)
31	4	127S3301	CAP-V	CAP_TANTB_SM	CAPACITOR, POLARIZED,	3.3UF	16V		20%	C6,C9,C10,C14	
32	1	131S1010	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	10PF	50V		10%	C111	
33	12	131S1021	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	100PF	50V		5%	C150,C165,C166,C168,C182,C183,C184,C185,C187,C189	qty decreased by 3 (6/14/93)
										C191,C192	
34	3	131S2220	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	220PF	50V		10%	C64,C96,C116	qty increased by 1 (3/12/93)
35	3	131S3310	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	33PF	50V		10%	C68,C93,C101	qty increased by 1 (6/14/93)
36	5	131S4710	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	47PF	25V		20%	C107,C114,C119,C176,C180	qty increased by 3 (6/14/93)
37	16	131S4720	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	470PF	50V		10%	C47,C48,C49,C52,C53,C57,C59,C60,C62,C67	qty decreased by 8 (6/14/93)
										C71,C75,C76,C77,C78,C79	
38	27	132S1030	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.001UF	50V		10%	C19,C30,C35,C39,C40,C41,C42,C43,C44,C81	qty increased by 6 (6/14/93)
										C82,C135,C153,C154,C155,C156,C157,C158,C160,C171	
										C172,C173,C175,C177,C178,C179,C181	
39	57	132S1041	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.01UF	50V		10%	C18,C20,C21,C22,C23,C24,C27,C28,C46,C54	qty increased by 9 (6/14/93)
										C55,C56,C65,C66,C69,C70,C72,C80,C83,C85	
										C92,C94,C98,C99,C100,C103,C104,C105,C106,C108	
										C110,C117,C118,C122,C123,C125,C127,C128,C130,C131	
										C134,C136,C138,C139,C141,C145,C146,C149,C152,C161	

40	48	132S1053	CAP-NP	CAP_0805	CAPACITOR, NON-POLARIZED,	0.1UF	25V		20%	C162,C164,C167,C169,C186,C190,C193 C31,C32,C33,C34,C36,C37,C38,C45,C50,C51 C58,C61,C63,C73,C74,C84,C86,C87,C88,C89 C90,C91,C95,C97,C102,C109,C113,C115,C120,C121 C124,C126,C129,C132,C133,C137,C140,C142,C143,C144 C147,C148,C151,C159,C163,C170,C174,C188	qty increased by 2 (3/17/93)
41	1	138S0303	CAP-NP-V	1206	CAPACITOR, NON-POLARIZED,	3.3UF	50V		10%	C112	
42	2	151S1020	IND		INDUCTOR,	100uH				L1,L2	
43	1	155-0063	LPAK3P	IND_6W450_SM	LPAK, FILTER, 3 LINE,SMD	FERR-1A				LP1	
44	2	155-0064	LPAK4P	IND_8W450_SM	LPAK, FILTER, 4 LINE,SMD	FERR-1A				LP2,LP3	
45	1	155-0070	IND	FERRITE	INDUCTOR	FERRITE BEAD				L3	
46	3	155S0076	IND	IND_0805	INDUCTOR,	100-OHM-EMI				L5,L6,L7	
47	1	159S0002	IND-V	S_IND_FER_217	INDUCTOR,	FERRITE-3A				L4	
48	1	197S0211	CRYSTAL-4PIN-SM	CRY_4PIN_SM	CRYSTAL, 4 PIN,	32.768K				Y1	
49	1	197S0512	OSC	OSC_4PIN_SM	OSCILLATOR, TRI-STATE,	31.3344M				G1	
50	1	291S0002	74HC02-SOI	SOI_14N	IC, 74HC02 QUAD 2-INPUT NOR					U29	
51	1	297S0004	74HCT04-SOI	SOI_14N	IC, 74HCT04 HEX INVERTER					U30	new part (3/17/93)
52	1	299S0000	74F00-SOI	SOI_14N	IC, 74F00 QUAD 2-INPUT NAND					U33	new part (3/17/93)
53	1	299S0074	74F74-SOI-I	SOI_14N	IC, 74F74 DUAL D-TYPE FLIP-FLOP					U32	
54	1	299S0244	74F244-SOI-I	SOI_20W	IC, 74F244 OCTAL TS BUFFER					U23	qty increase by 1 (3/12/93)
55	2	315S2630	26LS30-PLC	PLC_20	IC, 26LS30, LINE DRIVER					U3,U8	
56	2	315S2632	26LS32-SOI	SOI_16N	IC, 26LS32, DIF. LINE DRIVER					U4,U5	
57	8	333S1021	DRAM-1MX4-80-SOJ	SOJ_26_OFFSET	DRAM, 1MX4, 80NS, SOJ					U10,U13,U14,U16,U18,U22,U24,U25	
58	1	337-6883	68LC040-33-PGA	PGA_68040	IC, 68LC040 CPU, 33MHZ					U15	part number assigned (4/22/93)
59	1	337S5396	53C96-FLA	FLA_20X30	IC, 53C96					U2	
60	1	337S8532	8530-8-PLC-I	PLC_44	IC, 8530 8MHZ, SCC					U9	
61	1	341S0788	EGRET-SOI	SOI_28W	IC, CUSTOM, CUDA v2.37					U11	part number changed (6/14/93)
62	1	341S1062	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-LO, 256KX16, 150NS					U35	part number assigned (4/22/93)
63	1	341S1063	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-HI, 256KX16, 150NS					U34	part number assigned (4/22/93)
64	1	343-0129	DFAC-II-PLC	PLC_44	IC, ASIC DIGITALLY FILTERED AUDIO CHIP II					U1	
65	1	343S0120	PWR-MON-LS1176-SOI	SOI_8N	IC, LS1176, POWER MONITOR					U6	
66	1	343S0135	PRIMETIME	FLA_208	IC,PRIMETIME ASIC					U12	part number assigned (3/17/93)
67	1	343S0161	SC11412-CLKGEN	SOI_16W	IC, PROGRAMMABLE FREQ. GENERATOR					U19	part number assigned (4/22/93)
68	1	343S0164	MEMCJR	FLA_160	IC, MEMCJR GATE ARRAY					U17	part number assigned (3/17/93)
69	1	343S1091	AC842-PLC	PLC_68	IC, ANTELOPE, CUSTOM VIDEO CLUT/DAC					U26	
70	2	353S0084	OPAMP-TL084-SOI	SOI_14N	IC, OPAMP TL084,JFET,QUAD					U27,U28	
71	1	353S3468	REG-MC34268-SOI	SOI_8N	VOLTAGE REG, SCSI ACTIVE TERMINATION					U31	
72	1	355S1423	MCCS142235	SOI_24N	SCSI BUS ACTIVE TERMINATOR					U7	
73	1	355S0002	CLK-DR-MC88916-SOI	SOI_20W	IC, MC88920, LOW SKEW CMOS PLL CLOCK DRIVER					U20	33MHz config only
74	2	371S0007	DIODE-V	DIO_SMB_SM	DIODE,	MBRS120T3				D1,D2	
75	7	372S3904	TRA-2N3904-SM	TRA_SOT23	TRAN, 2N3904, SM NPN	2N3904				Q1,Q2,Q3,Q4,Q5,Q6,Q10	qty increased by 6 (2/16/93)
76	1	372S3906	TRA-2N3906-SM	TRA_SOT23	TRAN, 2N3906, PNP SM	2N3906				Q7	
77	2	376S0003	TRA-2N2222-SM	TRA_SOT23	TRAN, 2N2222, SM NPN	2N2222				Q8,Q9	
78	1	513-0212	CON-112ST-MICROCHAN	CON_112ST_MICROCHAN	CON, 112PIN MICROCHANNEL 1KEY/1WEB					J9	part number assigned (4/22/93)
79	1	513-0302	CON-FOXCONN	NEW_MLB	CON,MALE,JO,MLB					J14	
80	1	515-0200	CON-M2ST-HDRA	CON_2ST_HDRC	CONN, 2 PIN STRAIGHT HEADER					J7	new part (3/12/93)
81	1	515-1308	CON-4ST-BTRY	CON_4ST_HDRA	CONN,1 ROW,.100 CENTERS					J10	part number assigned (4/22/93)
82	1	517-0711	CON-SIMM-72ST	CON_72ST_SIMM	CONN, 72 PIN SIMM					J12	
83	1	517-0714	CON-8RT-DIN-SHIELD	CON_8RT_DIN_SL	CONN, 8 PIN MINI DIN, SHIELDED,PLATINUM					J5	new part (2/16/93)
84	1	517-0715	CON-4RT-DIN-SHIELD	CON_4RT_DIN_SL	CONN, 4 PIN MINI DIN,SHIELDED,PLATINUM					J6	new part (3/12/93)
85	1	517-0743	CON-SIMM-2X68ST	CON_68X2_SIMM	CONN, 68X2 SIMM					J11	
86	1	517-0745	CON-SIMM-64ST	CON_ROMSIMM	CONN, 64 PIN SIMM SOCKET					J13	
87	1	517-0764	CON-F9RT-DIN	CON_9RT_DIN	CONN, ASSY, CIRCULAR DIN					J4	new part (3/12/93)
88	1	517-1265	CON-F120ST-SKT	CON_120ST_EURO_GAP	CONN, 120 PIN STRAIGHT					J8	
89											
90	1	515-0439	CON-STEREQJACK	CON_515_0431	CONN, STEREO JACK,HPHONE					J2	
91	1	519-0597	CON-F25RT-DB-A	CON_25RT_DBA	CONN, 25 PIN DSUB, RT					J1	new part (4/22/93)
92	1	519-0934	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	new part (4/22/93)
alt-92	alt	519-0822	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	alternate
93											
94	2	740S0500	FUSE	FUSE_POLY_SMD	FUSE,	0.9AMP				F1,F2	
95	4	805-0595	TEST-PROBE	TEST_PROBE	GROUND PAD					GC1,GC2,GC3,GC4	new part (4/22/93)
Non-ECS BOM items											

Optimus v4.1 BOM-33MHz

Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators	
1	1	742-0025	Battery		alt. to 742-0011						
2	2	333-0133	SIMM,VRAM,128Kx8x2, 80ns							stuffed into location J4	
3	2	333-0134	SINN,VRAM,256Kx4x4, 80ns							stuffed into location J4/alt. to 128K x 16 VRAM SIMMs	
4	1	511-0102	Socket, PGA	68040_PGA	Socket, PGA					stuff U2 into	
5	1	820-0464-04	PCB bare board								
6	1	600-0043	Heat Sink Assy		Heat Sink for 68LC040, PGA					attach to U15/33MHz configuration only	33MHz only
											part number changed (5/17/93)

Optimus Main Logic Board BOM v4.1											
Net Ripper BOM Conversion of: optimus_v20.bom, 4-27-1993 , 15:03											
The following items are being excluded:											
Ref.Des: ZH?,TP?,W?											
Filters are OR											
Sorting on: Ref. Des, P/N, Value											
Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators	Comments
1	4	101S1000	RES	RES_0805	RESISTOR,	0				R75,R106,R116,R120	qty increased by 1 (6/14/93)
2	4	101S1102	RES-V	RES_0805	RESISTOR,	100		1/10W		R40,R77,R78,R79	qty increased by 3 (6/14/93)
3	6	101S1103	RES	RES_0805	RESISTOR,	1K		1/10W		R59,R84,R85,R86,R87,R104	qty increased by 1 (3/15/93)
4	7	101S1104	RES-V	RES_0805	RESISTOR,	10K		1/10W		R6,R8,R21,R41,R48,R49,R58	
5	6	101S1105	RES-V	RES_0805	RESISTOR,	100K		1/10W		R35,R63,R64,R65,R67,R68	qty increased by 1 (2/16/93)
6	2	101S1183	RES-V	RES_0805	RESISTOR,	1.8K		1/10W		R98,R133	qty increased by 1 (3/15/93)
7	2	101S1221	RES-V	RES_0805	RESISTOR,	22		1/10W		R60,R136	
8	1	101S1222	RES	RES_0805	RESISTOR,	220		1/10W		R53	new part (2/16/93)
9	2	101S1223	RES-V	RES_0805	RESISTOR,	2.2K		1/10W		R45,R46	new part (2/16/93)
10	14	101S1302	RES-V	RES_0805	RESISTOR,	300		1/10W		R55,R69,R71,R81,R82,R91,R95,R105,R110,R111	qty decreased by 3 (6/14/93)
										R117,R119,R121,R137	
11	1	101S1330	RES-V	RES_0805	RESISTOR,	3.3		1/10W		R92	new part (5/17/93)
12	3	101S1331	RES	RES_0805	RESISTOR,	33		1/10W		R47,R50,R93	qty Increased by 1 (5/17/93)
13	1	101S1335	RES-V	RES_0805	RESISTOR,	330K		1/10W		R70	
14	15	101S1471	RES	RES_0805	RESISTOR,	47		1/10W		R74,R88,R90,R94,R100,R101,R102,R108,R113,R124	qty increased by 3 (4/22/93)
										R127,R130,R131,R132,R135	
15	5	101S1472	RES-V	RES_0805	RESISTOR,	470		1/10W		R34,R37,R56,R57,R61	qty decreased by 1 (3/15/93)
16	17	101S1473	RES	RES_0805	RESISTOR,	4.7K		1/10W		R10,R28,R62,R66,R89,R96,R99,R103,R109,R112	qty increased by 2 (3/15/93)
										R114,R115,R118,R123,R125,R126,R138	
17	31	101S1474	RES-V	RES_0805	RESISTOR,	47K		1/10W		R5,R7,R9,R11,R12,R13,R14,R15,R16,R17	qty increased by 4 (6/14/93)
										R18,R19,R20,R22,R23,R24,R25,R26,R29,R30	
										R31,R32,R33,R36,R38,R39,R42,R43,R44,R51	
										R52	
18	3	101S1475	RES-V	RES_0805	RESISTOR,	470K		1/10W		R27,R72,R107	
19	1	101S1516	RES	RES_0805	RESISTOR,	5.1M		1/10W		R73	
20	3	101S1684	RES	RES_0805	RESISTOR,	68K		1/10W		R1,R2,R3	
21	1	106S1212	RES-V	RES_0805	RESISTOR,	121		1/10W	1%	R80	new part (4/22/93)/25MHz config only
alt-21	alt	106S1402	RES-V	RES_0805	RESISTOR,	140		1/10W	1%	R80	new part (6/14/93)/33MHz config only
22	3	106S4991	RES-V	RES_0805	RESISTOR,	49.9		1/10W	1%	R54,R76,R83	qty decreased by 1 (3/15/93)
23	2	106S5112	RES	RES_0805	RESISTOR,	511		1/10W		R97,R134	qty decreased by 1 (3/15/93)
24	1	106S6191	RES	RES_0805	RESISTOR,	61.9		1/10W	1%	R4	
25	3	108S7501	RES-V	RES_1206	RESISTOR,	75			1%	R122,R128,R129	
26	5	112S0301	RPAK8P	SOI_16M	RPAK, 16 PIN, ISOLATED,	47		1/10W		RP5,RP6,RP7,RP8,RP9	
27	4	112S0406	RPAK16C	SOI_16M	RPAK, 16 PIN, BUSSED,	4.7K		1/20W		RP1,RP2,RP3,RP4	qty decreased by 1 (3/12/93)
28	2	126S1020	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	100UF	6.3V		20%	C1,C4	
29	10	126S4710	CAP-V	CAP_ELECSM_6MM	CAPACITOR, POLARIZED,	47UF	16V		20%	C2,C5,C8,C11,C12,C13,C15,C16,C17,C29	qty increased by 1 (6/14/93)
30	4	127S1012	CAP-V	CAP_TANTC_SM	CAPACITOR, POLARIZED,	10UF	16V		20%	C3,C7,C25,C26	qty decreased by 1 (6/14/93)
31	4	127S3301	CAP-V	CAP_TANTB_SM	CAPACITOR, POLARIZED,	3.3UF	16V		20%	C6,C9,C10,C14	
32	1	131S1010	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	10PF	50V		10%	C111	
33	12	131S1021	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	100PF	50V		5%	C150,C165,C166,C168,C182,C183,C184,C185,C187,C189	qty decreased by 3 (6/14/93)
										C191,C192	
34	3	131S2220	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	220PF	50V		10%	C64,C96,C116	qty increased by 1 (3/12/93)
35	3	131S3310	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	33PF	50V		10%	C68,C93,C101	qty increased by 1 (6/14/93)
36	5	131S4710	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	47PF	25V		20%	C107,C114,C119,C176,C180	qty increased by 3 (6/14/93)
37	16	131S4720	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	470PF	50V		10%	C47,C48,C49,C52,C53,C57,C59,C60,C62,C67	qty decreased by 8 (6/14/93)
										C71,C75,C76,C77,C78,C79	
38	27	132S1030	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.001UF	50V		10%	C19,C30,C35,C39,C40,C41,C42,C43,C44,C81	qty increased by 6 (6/14/93)
										C82,C135,C153,C154,C155,C156,C157,C158,C160,C171	
										C172,C173,C175,C177,C178,C179,C181	
39	57	132S1041	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	0.01UF	50V		10%	C18,C20,C21,C22,C23,C24,C27,C28,C46,C54	qty increased by 9 (6/14/93)
										C55,C56,C65,C66,C69,C70,C72,C80,C83,C85	
										C92,C94,C98,C99,C100,C103,C104,C105,C106,C108	
										C110,C117,C118,C122,C123,C125,C127,C128,C130,C131	

										C134,C136,C138,C139,C141,C145,C146,C149,C152,C161	
										C162,C164,C167,C169,C186,C190,C193	
40	48	132S1053	CAP-NP	CAP_0805	CAPACITOR, NON-POLARIZED,	0.1UF	25V		20%	C31,C32,C33,C34,C36,C37,C38,C45,C50,C51	qty increased by 2 (3/17/93)
										C58,C61,C63,C73,C74,C84,C86,C87,C88,C89	
										C90,C91,C95,C97,C102,C109,C113,C115,C120,C121	
										C124,C126,C129,C132,C133,C137,C140,C142,C143,C144	
										C147,C148,C151,C159,C163,C170,C174,C188	
41	1	138S0303	CAP-NP-V		1206 CAPACITOR, NON-POLARIZED,	3.3UF	50V		10%	C112	
42	2	151S1020	IND		INDUCTOR,	100uH				L1,L2	
43	1	155-0063	LPAK3P	IND_6W450_SM	LPAK, FILTER, 3 LINE,SMD	FERR-1A				LP1	
44	2	155-0064	LPAK4P	IND_8W450_SM	LPAK, FILTER, 4 LINE,SMD	FERR-1A				LP2,LP3	
45	1	155-0070	IND	FERRITE	INDUCTOR	FERRITE BEAD				L3	
46	3	155S0076	IND	IND_0805	INDUCTOR,	100-OHM-EMI				L5,L6,L7	
47	1	159S0002	IND-V	S_IND_FER_217	INDUCTOR,	FERRITE-3A				L4	
48	1	197S0211	CRYSTAL-4PIN-SM	CRY_4PIN_SM	CRYSTAL, 4 PIN,	32.768K				Y1	
49	1	197S0512	OSC	OSC_4PIN_SM	OSCILLATOR, TRI-STATE,	31.3344M				G1	
50	1	291S0002	74HC02-SOI	SOI_14N	IC, 74HC02 QUAD 2-INPUT NOR					U29	new part (3/17/93)
51	1	297S0004	74HCT04-SOI	SOI_14N	IC, 74HCT04 HEX INVERTER					U30	new part (3/17/93)
52	1	299S0000	74F00-SOI	SOI_14N	IC, 74F00 QUAD 2-INPUT NAND					U33	
53	1	299S0074	74F74-SOI-I	SOI_14N	IC, 74F74 DUAL D-TYPE FLIP-FLOP					U32	qty increase by 1 (3/12/93)
54	2	299S0244	74F244-SOI-I	SOI_20W	IC, 74F244 OCTAL TS BUFFER					U21,U23	
55	2	315S2630	26LS30-PLC	PLC_20	IC, 26LS30, LINE DRIVER					U3,U8	
56	2	315S2632	26LS32-SOI	SOI_16N	IC, 26LS32, DIF. LINE DRIVER					U4,U5	
57	8	333S1021	DRAM-1MX4-80-SOJ	SOJ_26_OFFSET	DRAM, 1MX4, 80NS, SOJ					U10,U13,U14,U16,U18,U22,U24,U25	part number assigned (4/22/93)
58	1	337-6881	68LC040-20-PGA	PGA_68040	IC, 68LC040 CPU, 25MHZ					U15	
59	1	337S5396	53C96-FLA	FLA_20X30	IC, 53C96					U2	
60	1	337S8532	8530-8-PLC-I	PLC_44	IC, 8530 8MHZ, SCC					U9	part number changed (6/14/93)
61	1	341S0788	EGRET-SOI	SOI_28W	IC, CUSTOM, CUDA v2.37					U11	part number assigned (4/22/93)
62	1	341S1062	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-LO, 256KX16, 150NS					U35	part number assigned (4/22/93)
63	1	341S1063	ROM-256KX16-150-SOI	SOI_40W545	IC, ROM-HI, 256KX16, 150NS					U34	
64	1	343-0129	DFAC-II-PLC	PLC_44	IC, ASIC DIGITALLY FILTERED AUDIO CHIP II					U1	
65	1	343S0120	PWR-MON-LS1176-SOI	SOI_8N	IC, LS1176, POWER MONITOR					U6	part number assigned (3/17/93)
66	1	343S0135	PRIMETIME	FLA_208	IC,PRIMETIME ASIC					U12	part number assigned (4/22/93)
67	1	343S0161	SC11412-CLKGEN	SOI_16W	IC, PROGRAMMABLE FREQ. GENERATOR					U19	part number assigned (3/17/93)
68	1	343S0164	MEMCJR	FLA_160	IC, MEMCJR GATE ARRAY					U17	
69	1	343S1091	AC842-PLC	PLC_68	IC, ANTELOPE, CUSTOM VIDEO CLUT/DAC					U26	
70	2	353S0084	OPAMP-TL084-SOI	SOI_14N	IC, OPAMP TL084,JFET,QUAD					U27,U28	
71	1	353S3468	REG-MC34268-SOI	SOI_8N	VOLTAGE REG, SCSI ACTIVE TERMINATION					U31	
72	1	355S1423	MCCS142235	SOI_24N	SCSI BUS ACTIVE TERMINATOR					U7	new part (3/12/93)/25MHz config only
73	1	359S0021	CLK-DR-MC88920-SOI	SOI_20W	IC, MC88920, LOW SKEW CMOS PLL CLOCK DRIVER					U20	33MHz config only
alt-73	alt	355S0002	CLK-DR-MC88916-SOI	SOI_20W	IC, MC88920, LOW SKEW CMOS PLL CLOCK DRIVER					U20	
74	2	371S0007	DIODE-V	DIO_SMB_SM	DIODE,	MBRS120T3				D1,D2	qty increased by 6 (2/16/93)
75	7	372S3904	TRA-2N3904-SM	TRA_SOT23	TRAN, 2N3904, SM NPN	2N3904				Q1,Q2,Q3,Q4,Q5,Q6,Q10	
76	1	372S3906	TRA-2N3906-SM	TRA_SOT23	TRAN, 2N3906, PNP SM	2N3906				Q7	
77	2	376S0003	TRA-2N2222-SM	TRA_SOT23	TRAN, 2N2222, SM NPN	2N2222				Q8,Q9	part number assigned (4/22/93)
78	1	513-0212	CON-112ST-MICROCHAN	CON_112ST_MICROCHAN	CON, 112PIN MICROCHANNEL 1KEY/1WEB					J9	
79	1	513-0302	CON-FOXCONN	NEW_MLB	CON,MALE,IO,MLB					J14	new part (3/12/93)
80	1	515-0200	CON-M2ST-HDRA	CON_2ST_HDRC	CONN, 2 PIN STRAIGHT HEADER					J7	part number assigned (4/22/93)
81	1	515-1308	CON-4ST-BTRY	CON_4ST_HDRA	CONN,1 ROW,,100 CENTERS					J10	
82	1	517-0711	CON-SIMM-72ST	CON_72ST_SIMM	CONN, 72 PIN SIMM					J12	new part (2/16/93)
83	1	517-0714	CON-8RT-DIN-SHIELD	CON_8RT_DIN_SL	CONN, 8 PIN MINI DIN, SHIELDED,PLATINUM					J5	new part (3/12/93)
84	1	517-0715	CON-4RT-DIN-SHIELD	CON_4RT_DIN_SL	CONN, 4 PIN MINI DIN,SHIELDED,PLATINUM					J6	
85	1	517-0743	CON-SIMM-2X68ST	CON_68X2_SIMM	CONN, 68X2 SIMM					J11	
86	1	517-0745	CON-SIMM-64ST	CON_ROMSIMM	CONN, 64 PIN SIMM SOCKET					J13	new part (3/12/93)
87	1	517-0764	CON-F9RT-DIN	CON_9RT_DIN	CONN, ASSY, CIRCULAR DIN					J4	
88	1	517-1265	CON-F120ST-SKT	CON_120ST_EURO_GAP	CONN, 120 PIN STRAIGHT					J8	
89											
90	1	515-0439	CON-STEREOJACK	CON_515_0431	CONN, STEREO JACK,HPHONE					J2	new part (4/22/93)
91	1	519-0597	CON-F25RT-DB-A	CON_25RT_DBA	CONN, 25 PIN DSUB, RT					J1	new part (4/22/93)
92	1	519-0934	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	alternate
alt-92	alt	519-0822	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK,MPHONE,4 LINE, SHIELDED					J3	
93	1	705-0193	SWI-KEYTYPE-V	SWI_KEYTYPE	SWITCH, KEYTYPE					S1	
94	2	740S0500	FUSE	FUSE_POLY_SMD	FUSE,	0.9AMP				F1,F2	new part (4/22/93)
95	4	805-0595	TEST-PROBE	TEST_PROBE	GROUND PAD					GC1,GC2,GC3,GC4	

Non-ECS BOM items										
Item #	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators
1	1	742-0025	Battery		alt. to 742-0011					
1-alt.	alt.	742-0011	Battery, 3.6 volts							BT1
1-alt.	alt.	520-0344	Battery Cover							part number added (4/23/93)
1-alt.	alt.	517-1480	BATTERY-V	\$BAT_HLDR_HAA	BATTERY,	3.6V				BT1
2	2	333-0133	SIMM,VRAM,128Kx8x2, 80ns							stuffed into location J4
3	2	333-0134	SINN,VRAM,256Kx4x4, 80ns							stuffed into location J4/alt. to 128K x 16 VRAM SIMMs
4	1	PN-	FLASH ROM SIMM, 1MB		alt. to SOIC ROMs.					stuff into J2
5	1	511-0102	Socket, PGA	68040_PGA	Socket, PGA					stuff U2 into
6	1	820-0464-04	PCB bare board							33MHz only
7	1	600-0043	Heat Sink Assy		Heat Sink for 68LC040, PGA					attach to U15/33MHz configuration only
Components deleted from previous version										
Date	Qty	Part #	Device Type	Package	Description	Value	Voltage	Wattage	Tolerance	Ref. Designators
2/16/93	1	517-0822	CON-SIMM-72ST	CON_72ST_SIMM	CONN, 72 PIN SIMM Low profile					J2
										Comments
										changed to vertical conn.
3/12/93	2	101S1563	FES	RES_0805	RESISTOR	5.6K		1/10W		R75,R79
3/15/93	1	101S1153	RES-V	RES_0805	RESISTOR	1.8K		1/10W		R29
3/15/93	1	101S1332	FES	RES_0805	RESISTOR,		330	1/10W		R5
3/15/93	1	101S1512	FES	RES_0805	RESISTOR,		510	1/10W		R23
3/15/93	2	101S1563	FES	RES_0805	RESISTOR,	5.6K		1/10W		R75,R79
3/15/93	1	106S3652	RES-V	RES_0805	RESISTOR,		365	1/10W	1%	R13
3/15/93	1	131S0023	CAP-NP-V	CAP_0805	CAPACITOR, NON-POLARIZED,	300PF	50V		5%	C132
3/12/93	1	299S0113	74F113-1	SOG_14	IC,74F113,DUAL JK NEG FLIP FLOP					U14
3/12/93	1	517-0541	CON-8RT-DIN-SHIELD	CON_8RT_DIN_SL	CONN, 8 PIN MINI DIN, SHIELDED,PLATINUM					J11
3/12/93	1	517-0542	CON-4RT-DIN-SHIELD	CON_4RT_DIN_SL	CONN, 4 PIN MINI DIN,SHIELDED,PLATINUM					J14
										Removed second clock option
										changed to snap-in mini-DINs
										changed to snap-in mini-DINs
4/23/93	1	106S9531	RES-V	RES_0805	RESISTOR,	95.3		1/10W	1%	R71
4/23/93	2	335S0258	ROM-256Kx16-150-SOI	SOI_40W545	IC, ROM, 256Kx16, 150NS					U34,U35
4/23/93	1	515-0439	CON-STEREOJACK	CON_515_0431	CONN, STEREO JACK					J2
4/23/93	1	519-0822	CON-STEREO4	CON_STEREO4	CONN, STEREO JACK, 4 LINE, SHIELDED					J3
4/23/93	4	805-0599	TEST PROBE	TEST_PROBE	GROUND PAD					GC1,GC2,GC3,GC4
4/27/93	0	600-0423	HSNK/Clip assy		Heat sink and clip assembly					add to '040
										part number changed
										part number changed (4/23/93)
5/17/93	1	101S1101	FES	RES_0805	RESISTOR,	10		1/10W		R88
5/17/93	1	101S1560	RES-V	RES_0805	RESISTOR,	5.6		1/10W		R86