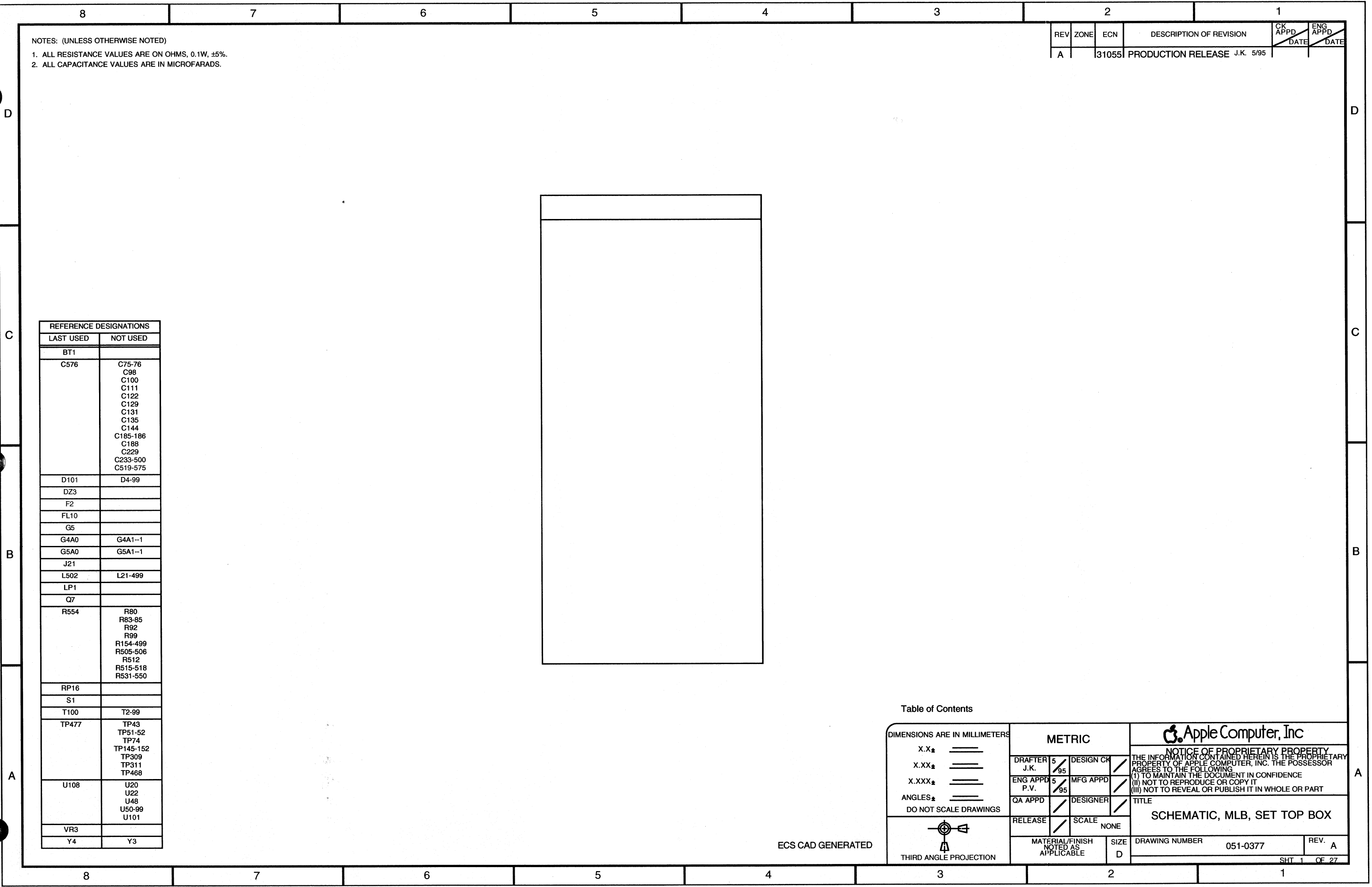




- NOTES: (UNLESS OTHERWISE NOTED)
- 1. ALL RESISTANCE VALUES ARE ON OHMS, 0.1W, ±5%.
 - 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.

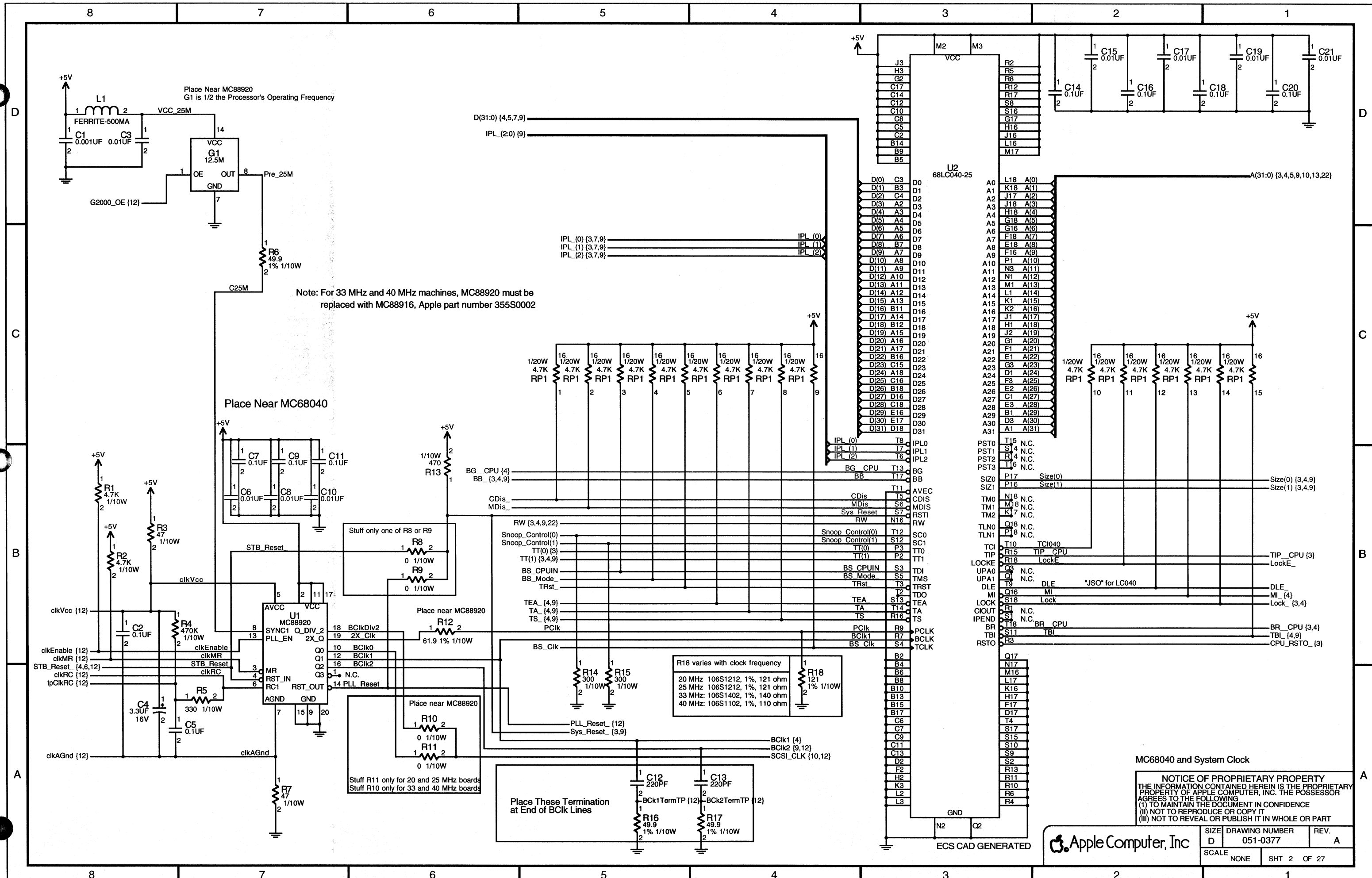
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A		310551	PRODUCTION RELEASE J.K. 5/95		

REFERENCE DESIGNATIONS	
LAST USED	NOT USED
BT1	
C576	C75-76 C98 C100 C111 C122 C129 C131 C135 C144 C185-186 C188 C229 C233-500 C519-575
D101	D4-99
DZ3	
F2	
FL10	
G5	
G4A0	G4A1--1
G5A0	G5A1--1
J21	
L502	L21-499
LP1	
Q7	
R554	R80 R83-85 R92 R99 R154-499 R505-506 R512 R515-518 R531-550
RP16	
S1	
T100	T2-99
TP477	TP43 TP51-52 TP74 TP145-152 TP309 TP311 TP468
U108	U20 U22 U48 U50-99 U101
VR3	
Y4	Y3

Table of Contents

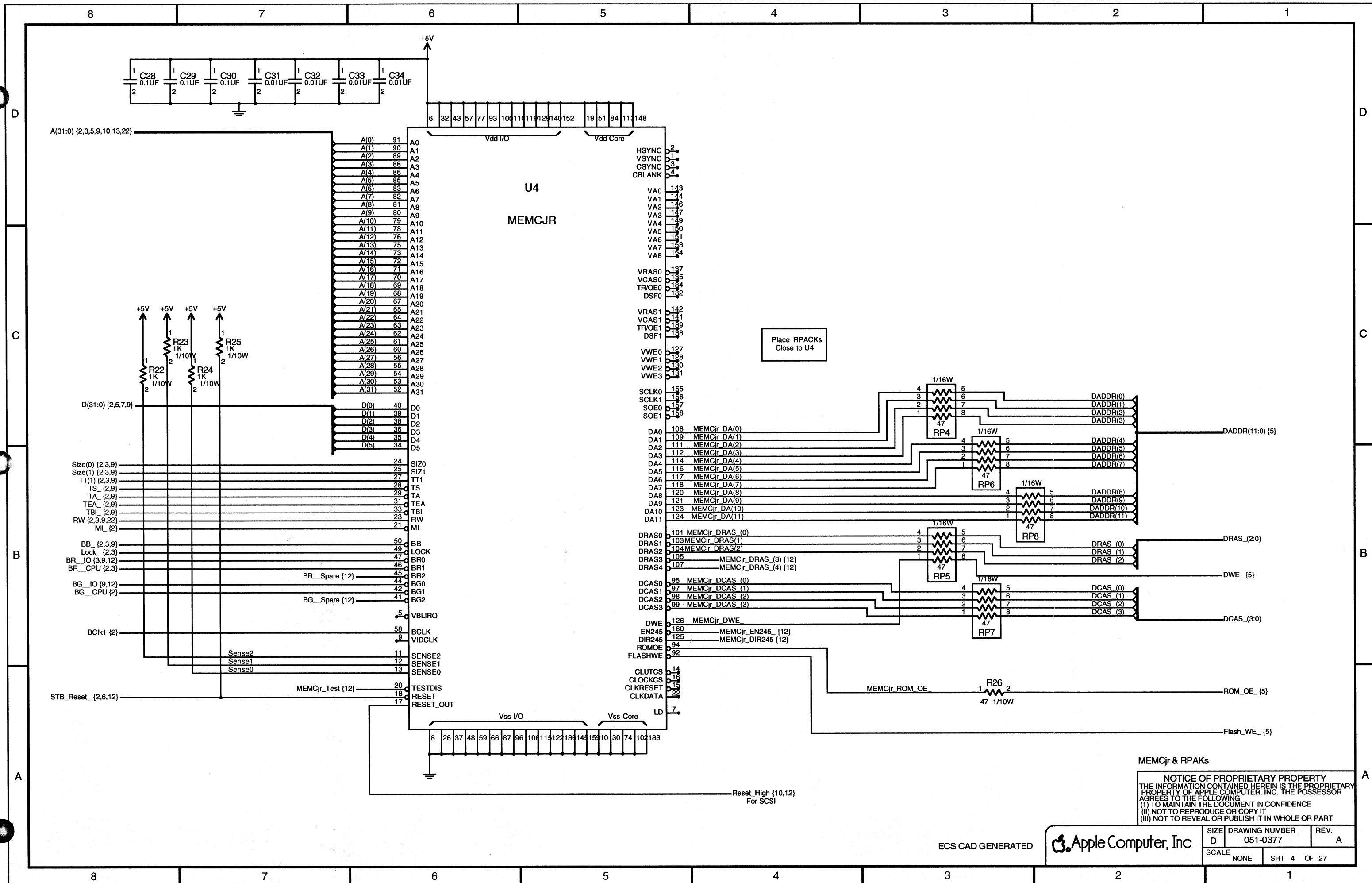
DIMENSIONS ARE IN MILLIMETERS		METRIC		Apple Computer, Inc	
				NOTICE OF PROPRIETARY PROPERTY THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE COMPUTER, INC. THE POSSESSOR AGREES TO THE FOLLOWING (I) TO MAINTAIN THE DOCUMENT IN CONFIDENCE (II) NOT TO REPRODUCE OR COPY IT (III) NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART	
X.X±	==	DRAFTER J.K.	5/95	DESIGN CK	TITLE SCHEMATIC, MLB, SET TOP BOX
X.XX±	==	ENG APPD P.V.	5/95	MFG APPD	
X.XXX±	==	QA APPD		DESIGNER	
ANGLES±	==	RELEASE		SCALE NONE	
DO NOT SCALE DRAWINGS		MATERIAL/FINISH NOTED AS APPLICABLE		SIZE D	DRAWING NUMBER 051-0377
					REV. A
				SHT 1 OF 27	

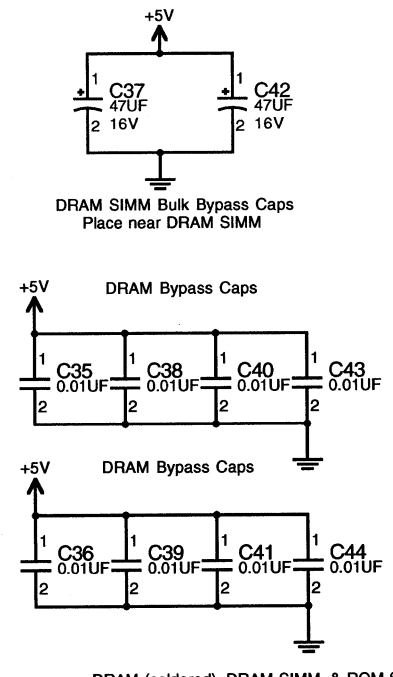
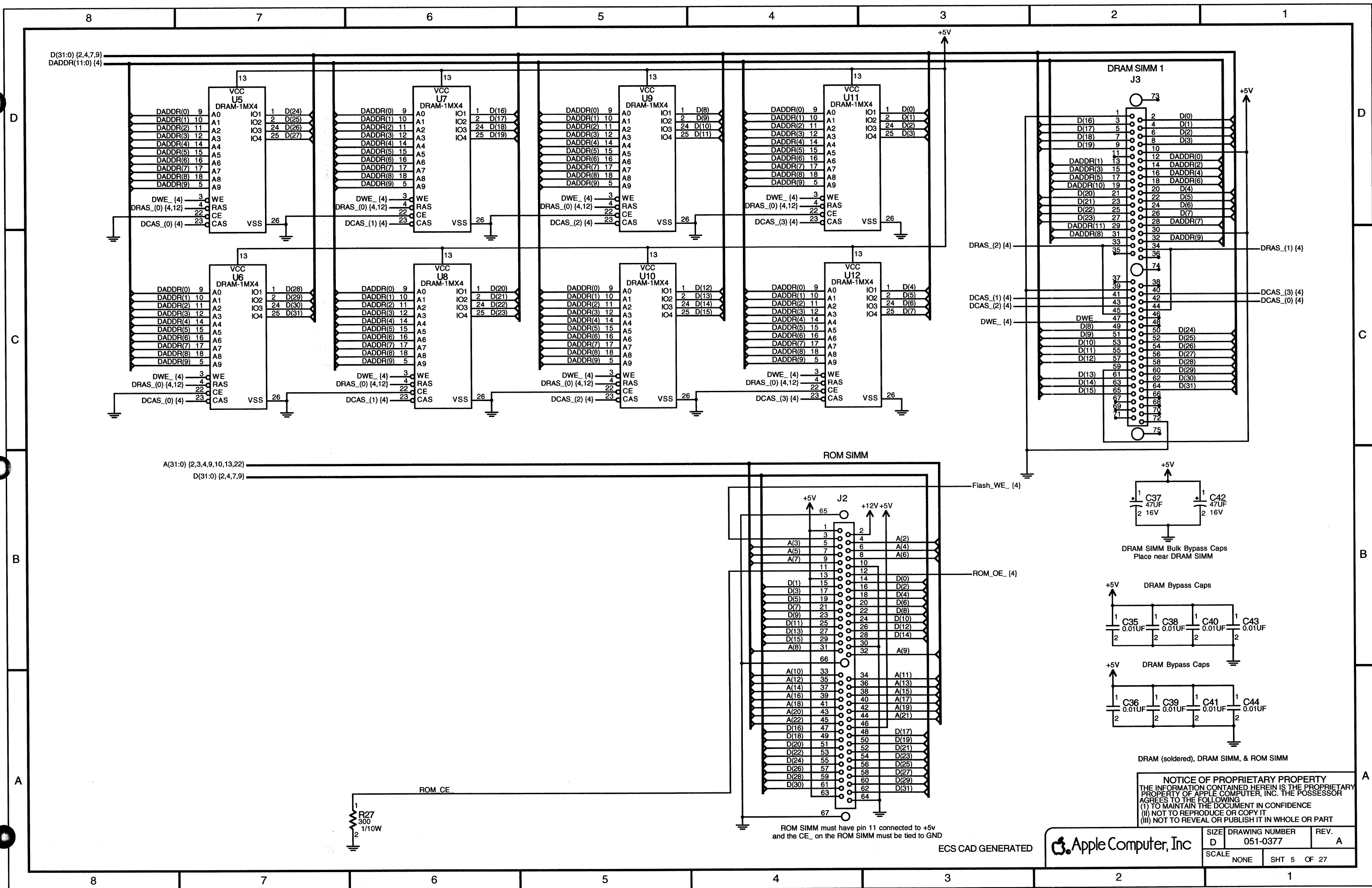
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MC68040 and System Clock

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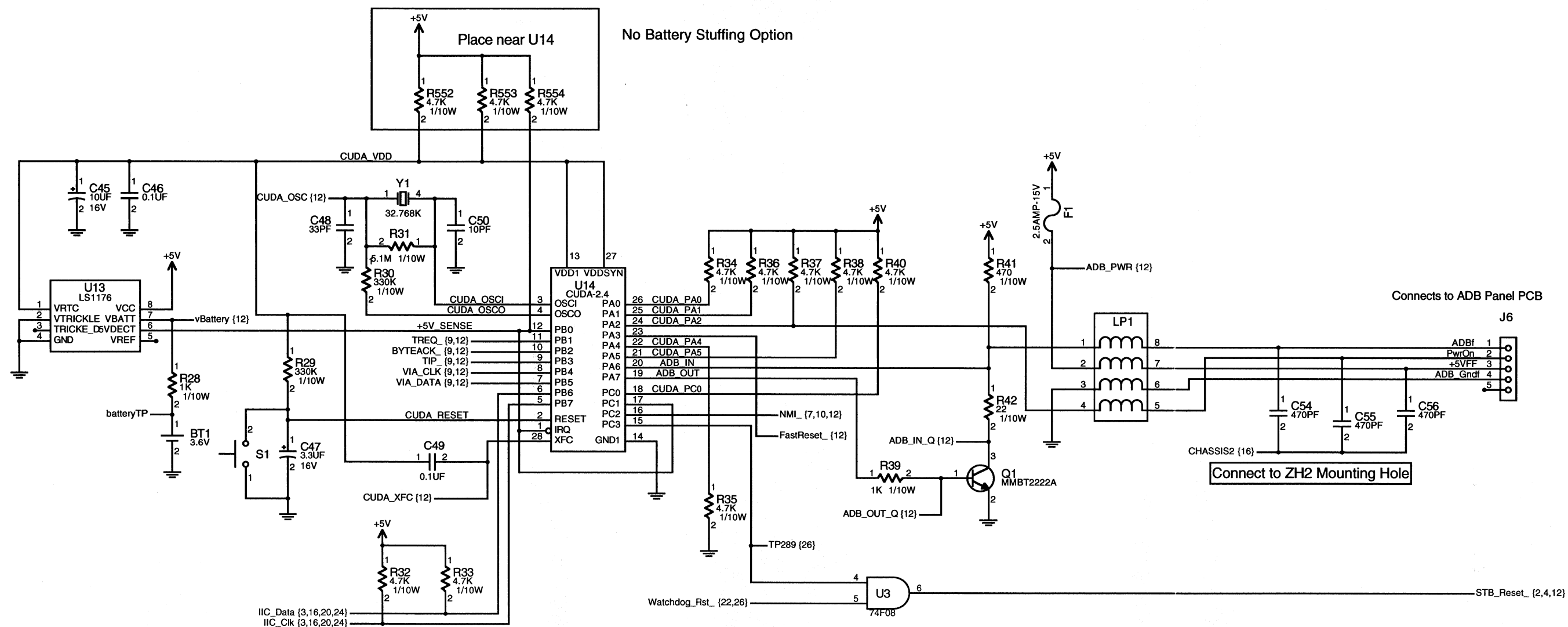


ROM SIMM must have pin 11 connected to +5v and the CE_ on the ROM SIMM must be tied to GND

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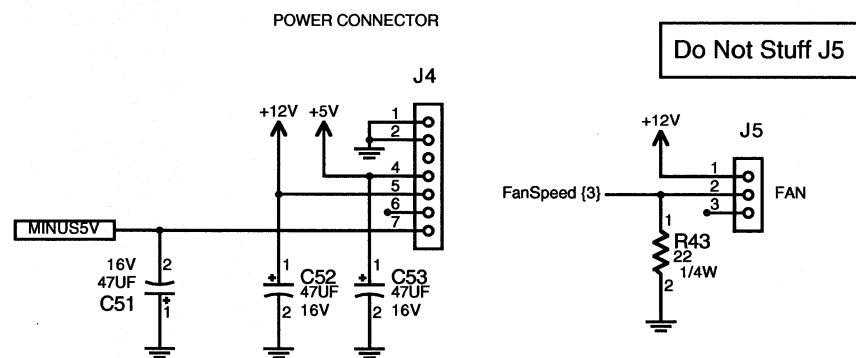
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SCALE	NONE	SHT	5	OF	27

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STUFFING OPTION

Battery Required	No Battery
U13	R552
R28	R553
BT1	R554
C47	R29 = 4.7K
S1	
R29 = 330K	



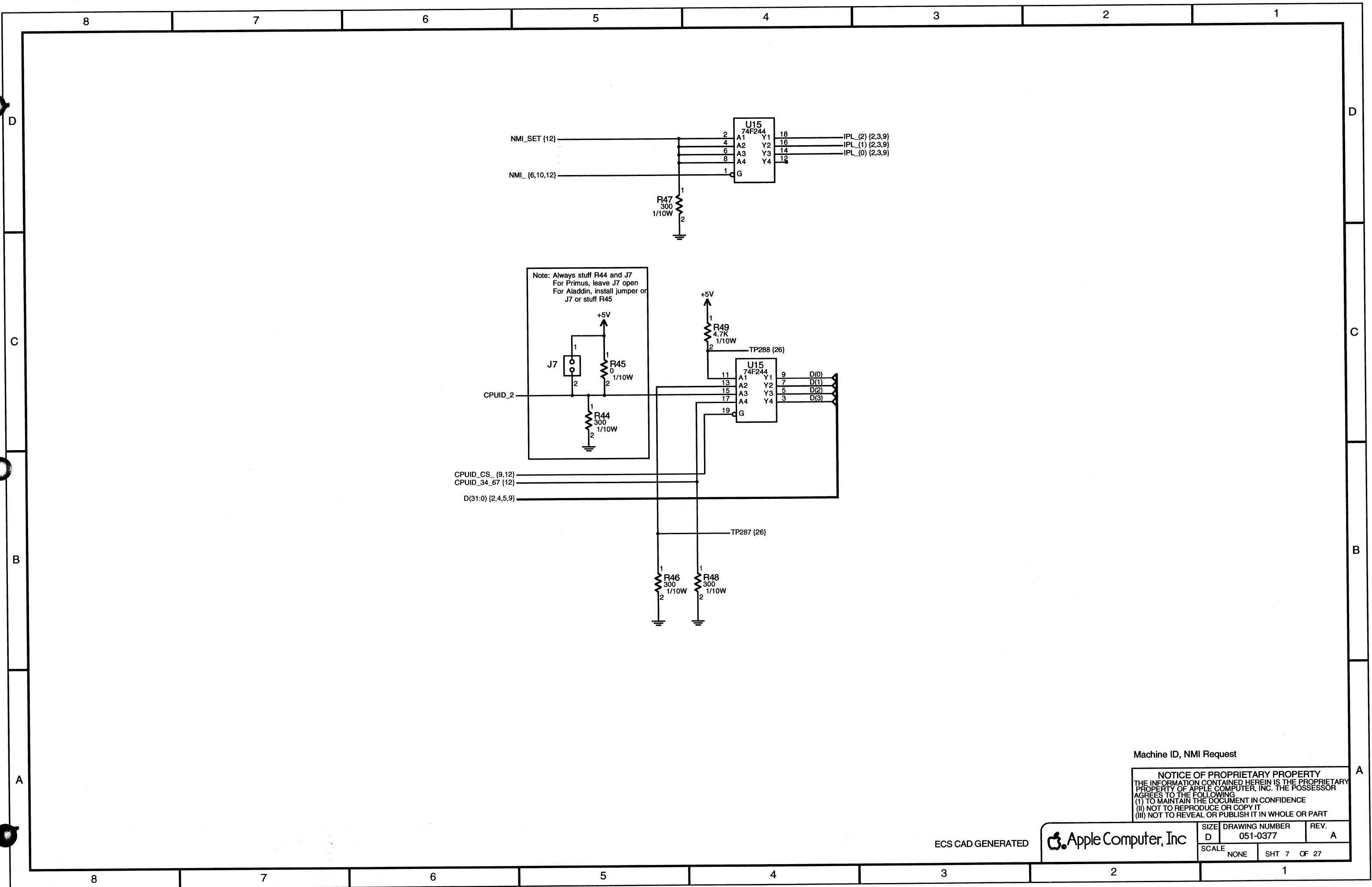
CUDA, ADB Port, Power

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SCALE	SHT	OF
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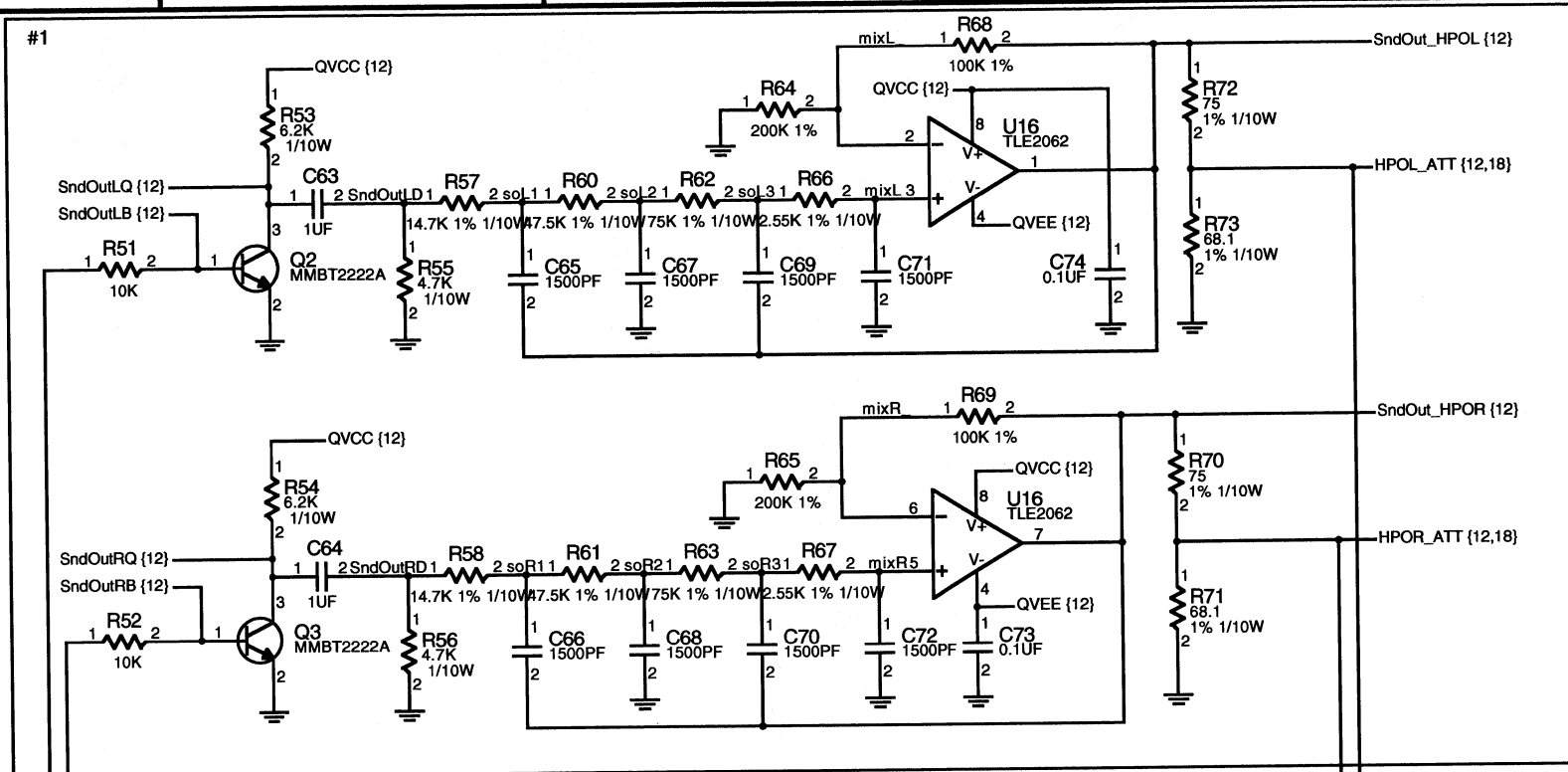


Machine ID, NMI Request

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SIZE	D	DRAWING NUMBER	051-0377
SCALE	NONE	SHT	7 OF 27
		REV.	A

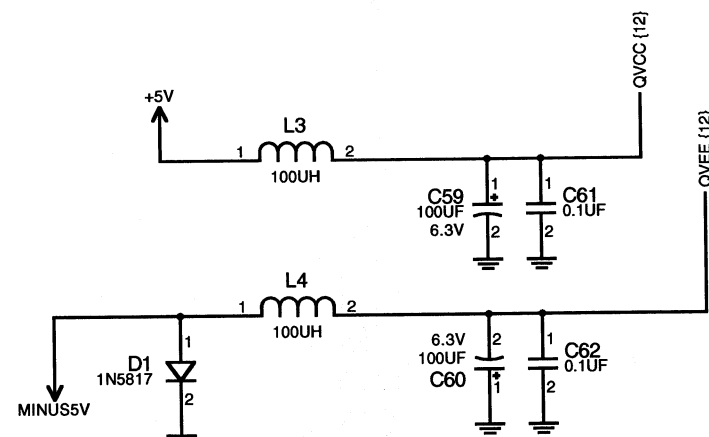
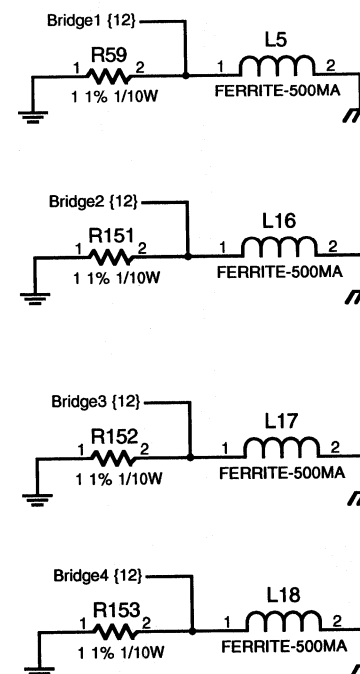
STB3 uses the Sound Output ONLY block



EMI Filter removed

Mac Sound Out to AV Mixer

EMI Ground Bridges



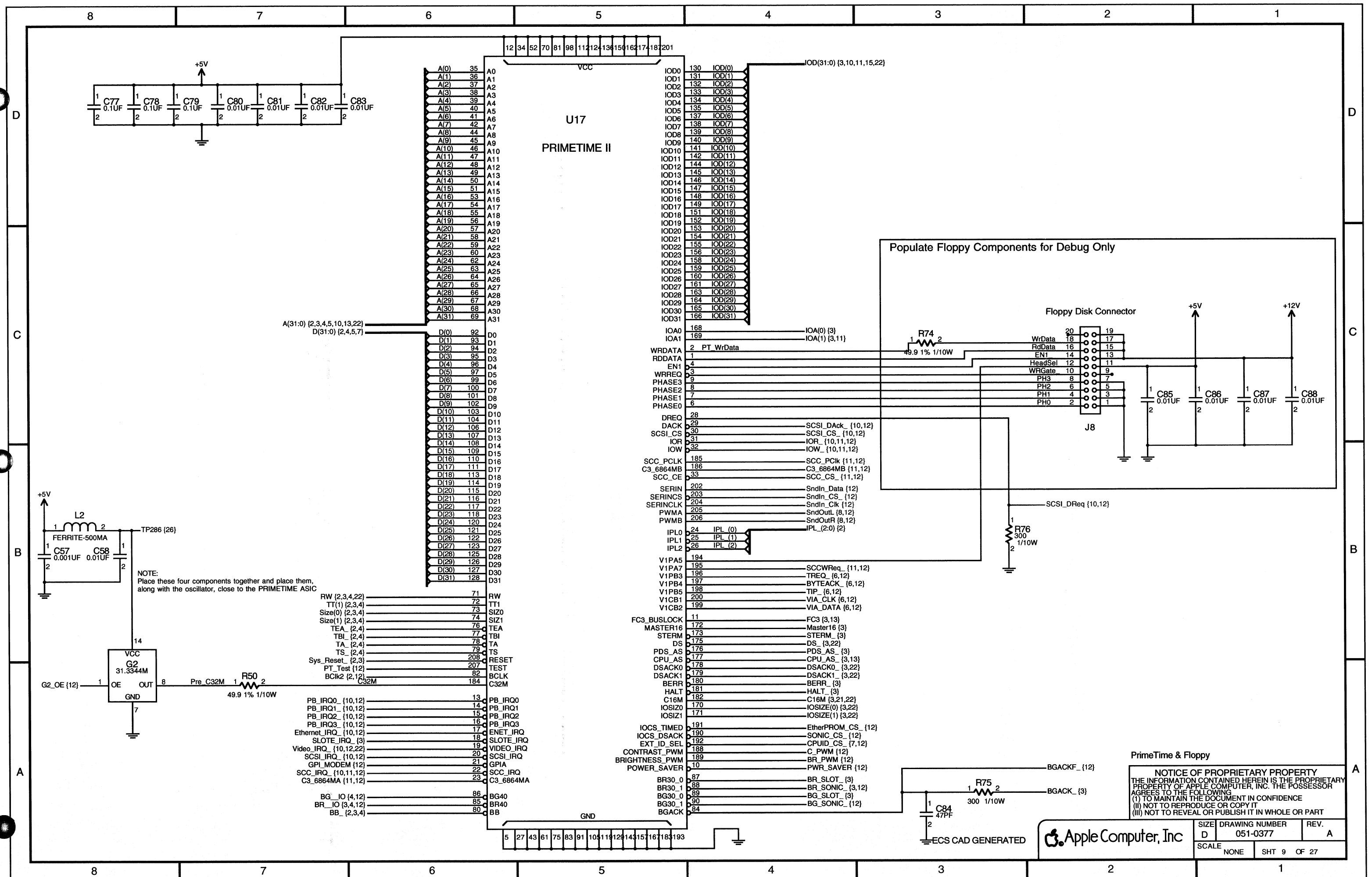
Macintosh Sound Out

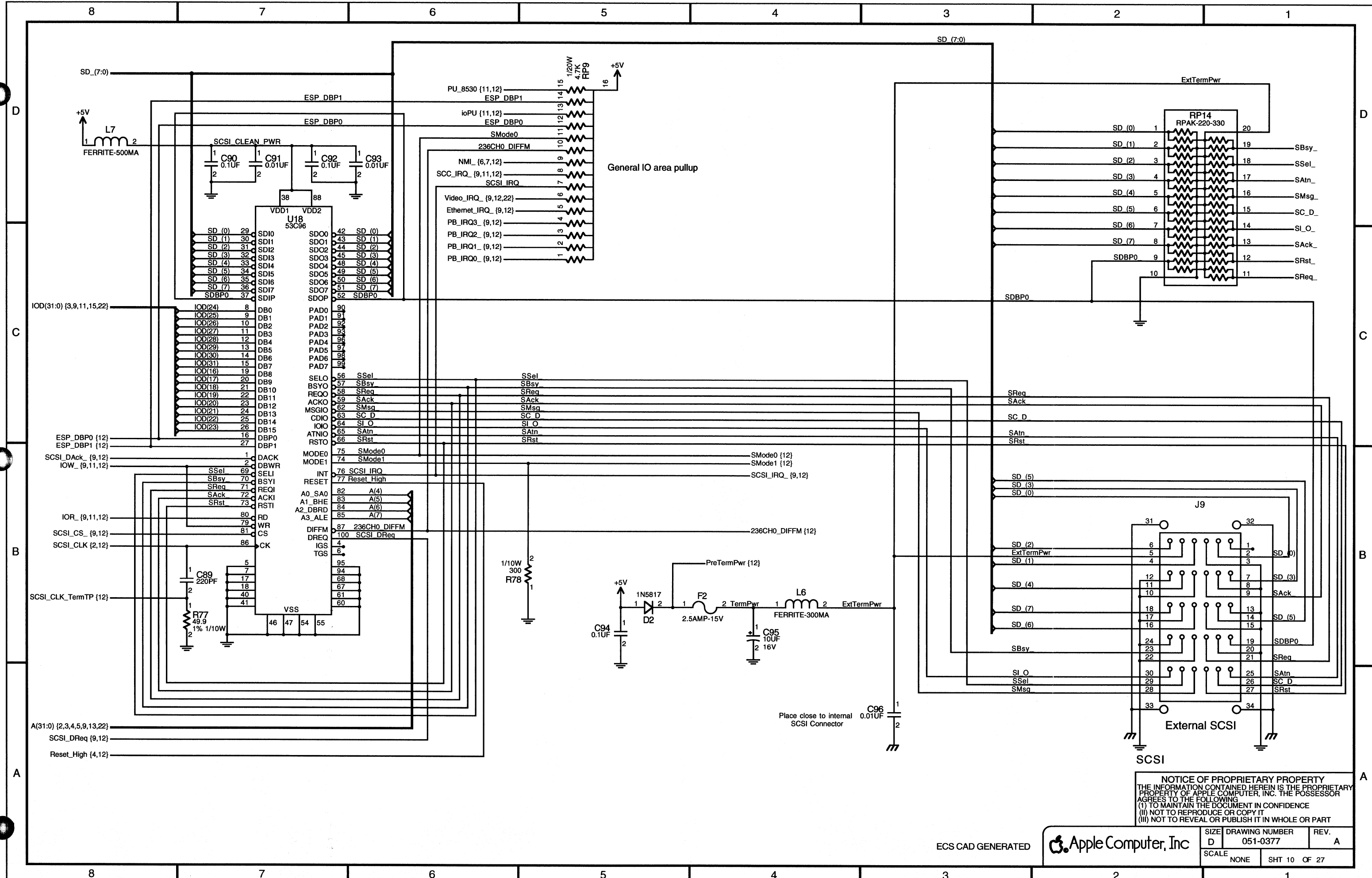
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SCALE	NONE	SHT 8 OF 27



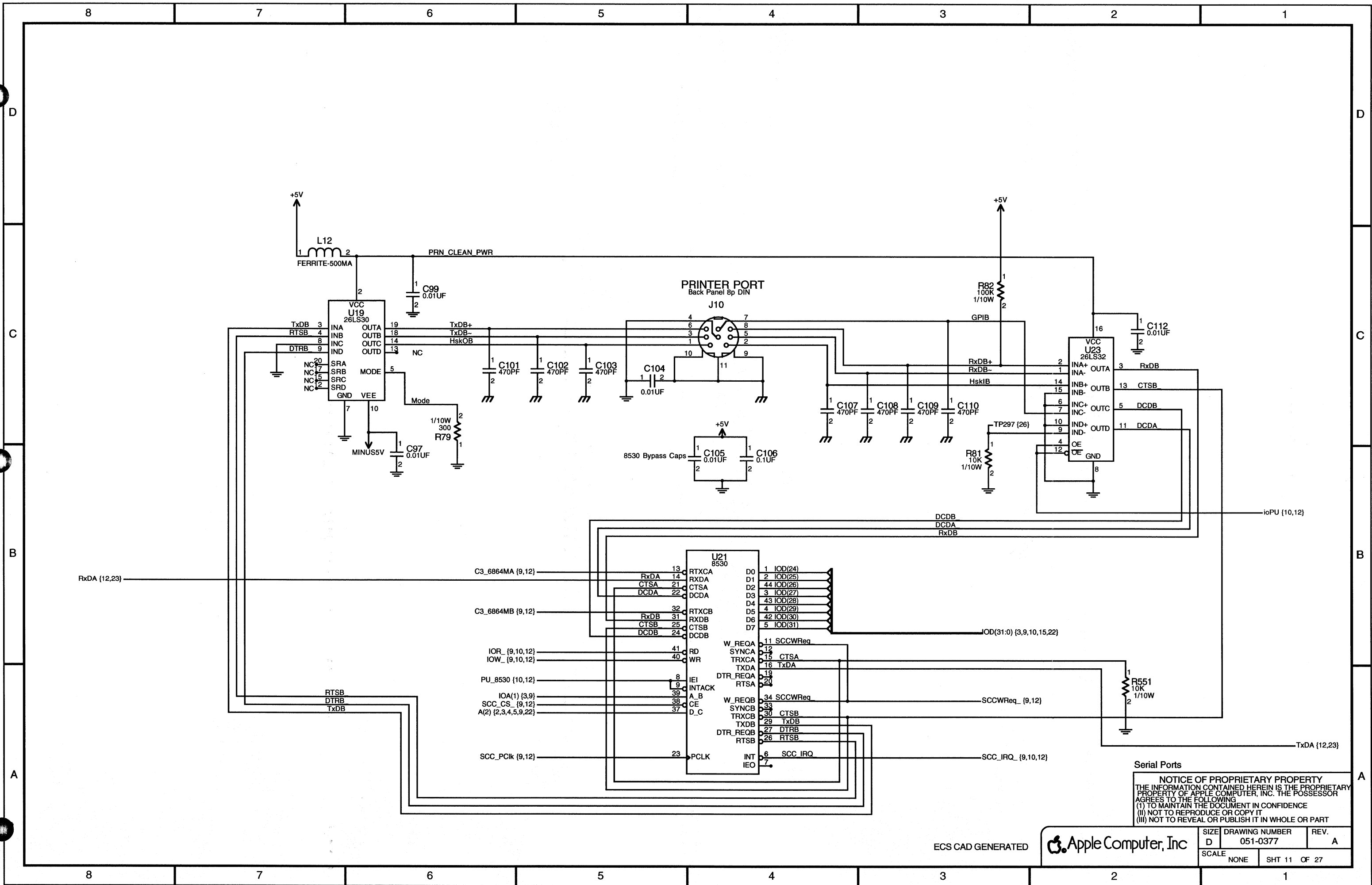


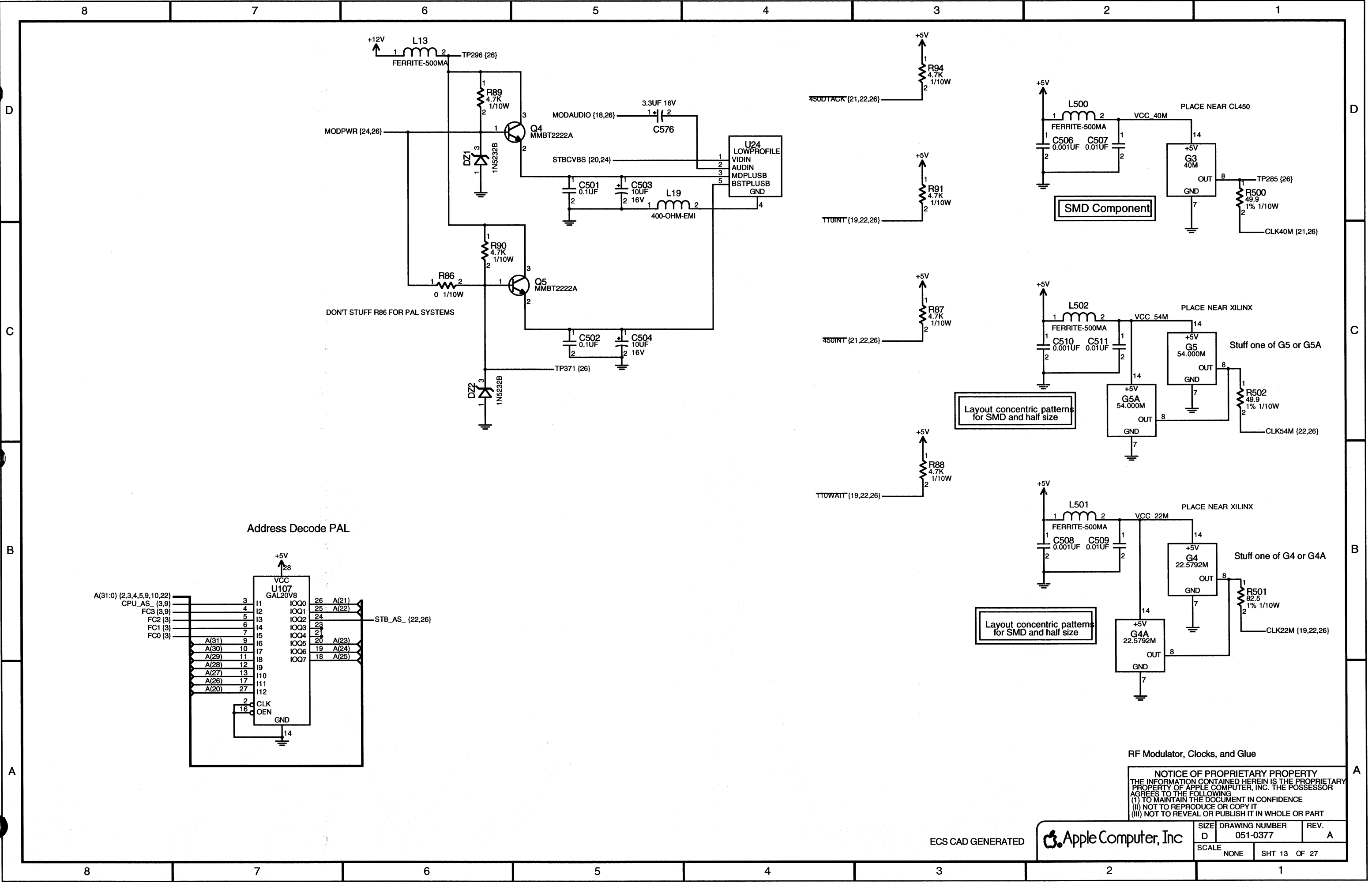
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SCALE	SHT 10 OF 27	
NONE		





Address Decode PAL

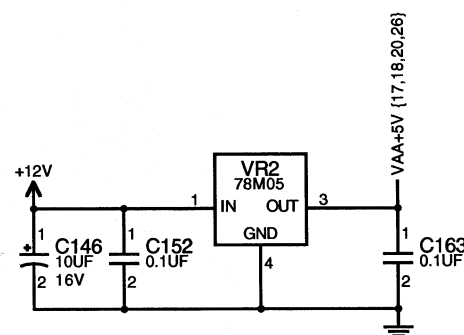
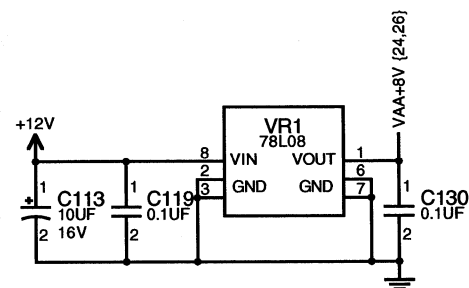
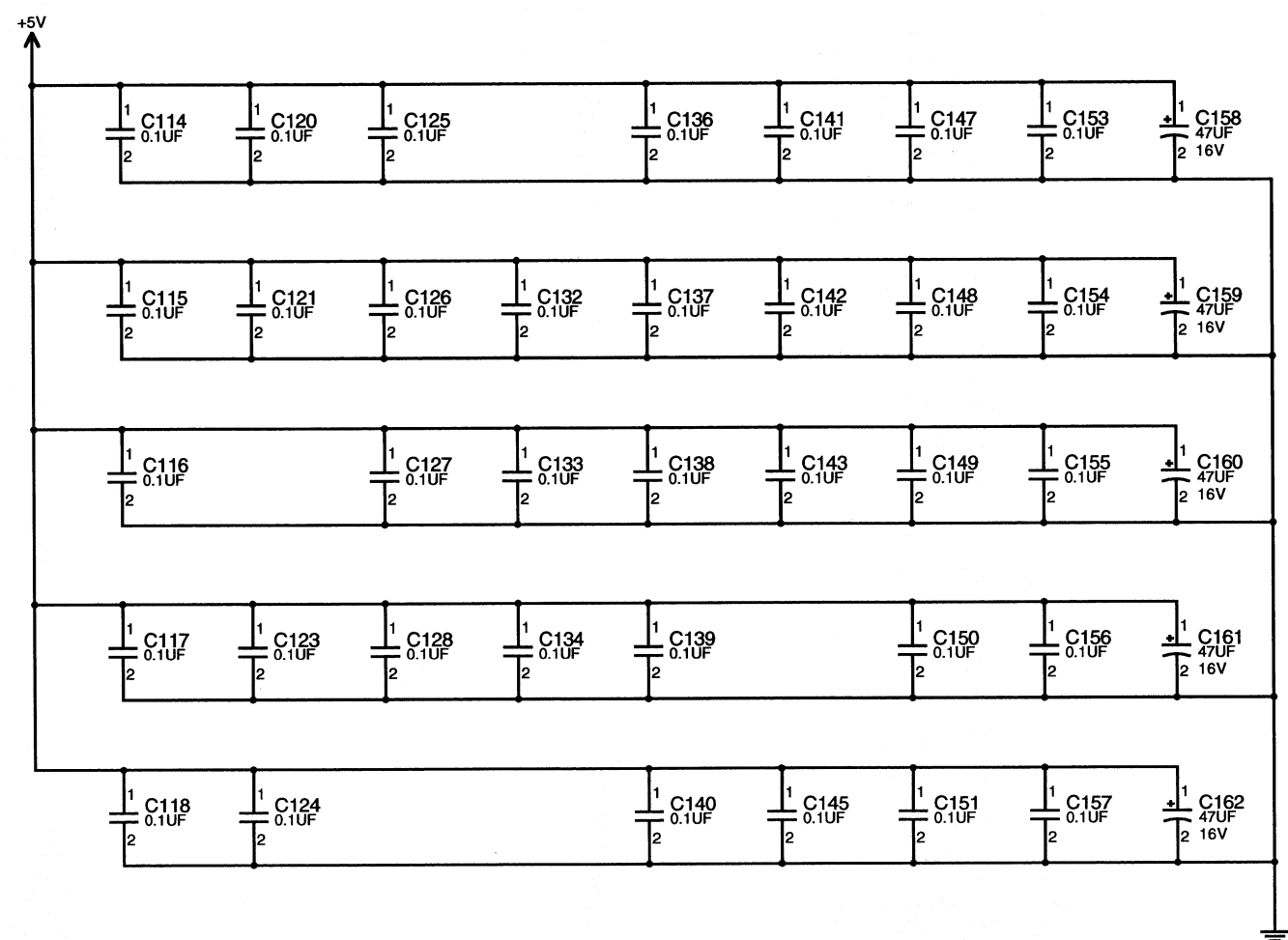
RF Modulator, Clocks, and Glue

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SCALE	NONE	SHT 13 OF 27



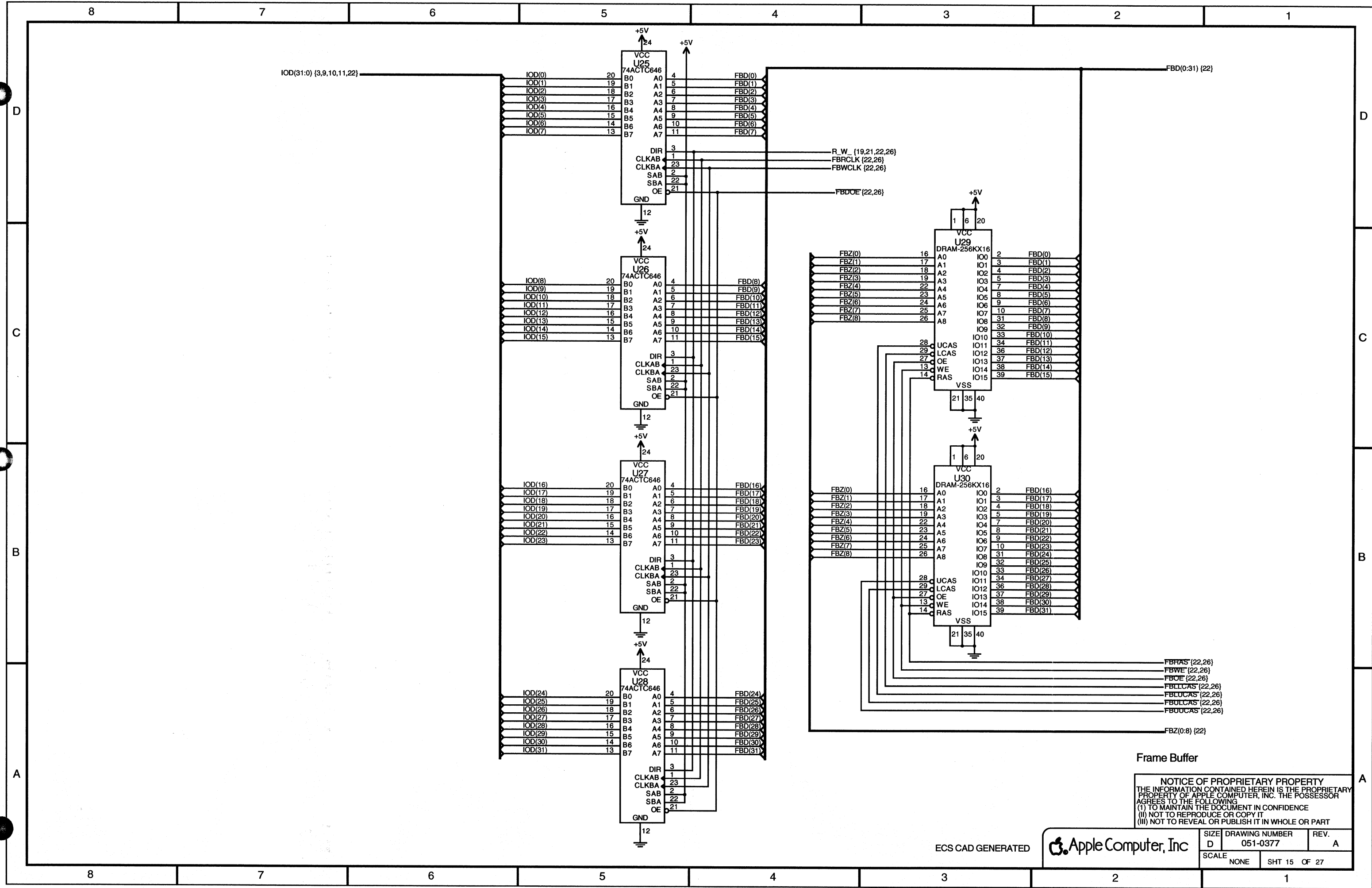
Voltage Regs, Bypass Caps

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SCALE	NONE	SHT 14 OF 27

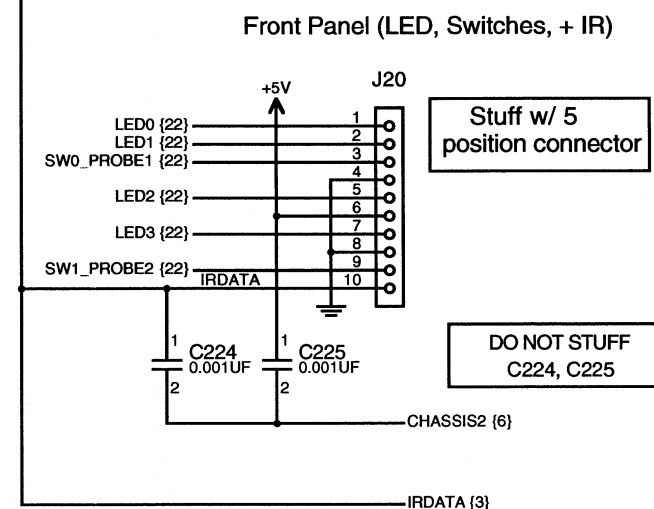
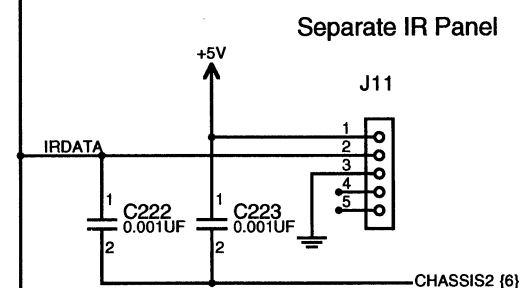
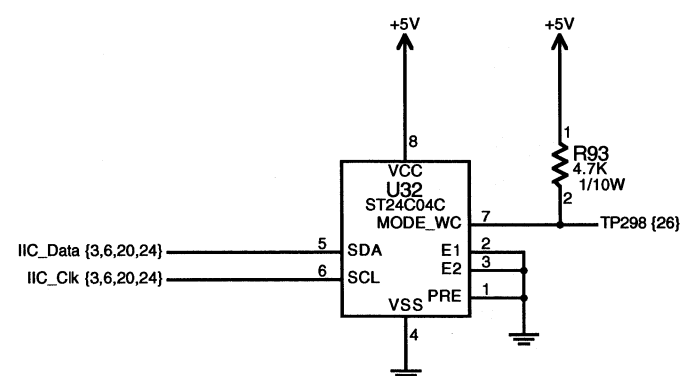
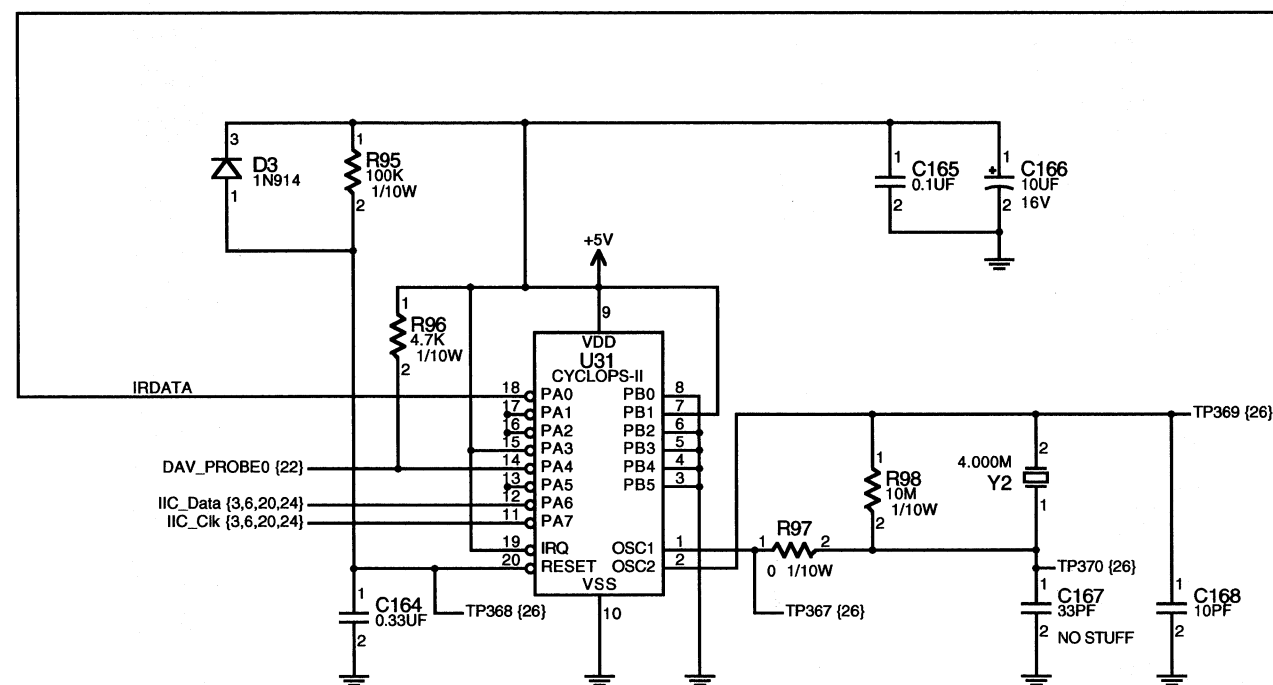


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NONE		



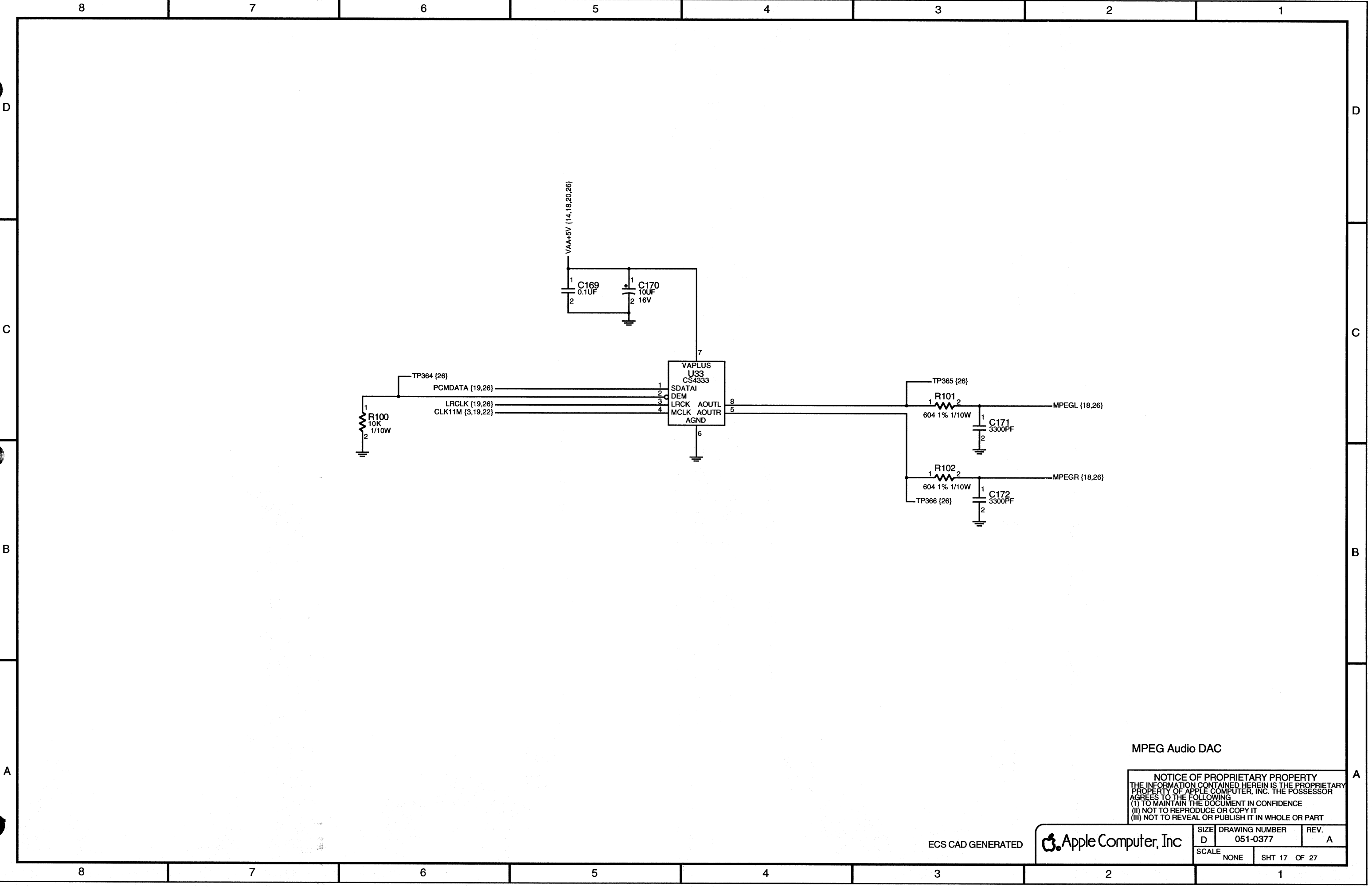
IR, NVRAM, Front Panel

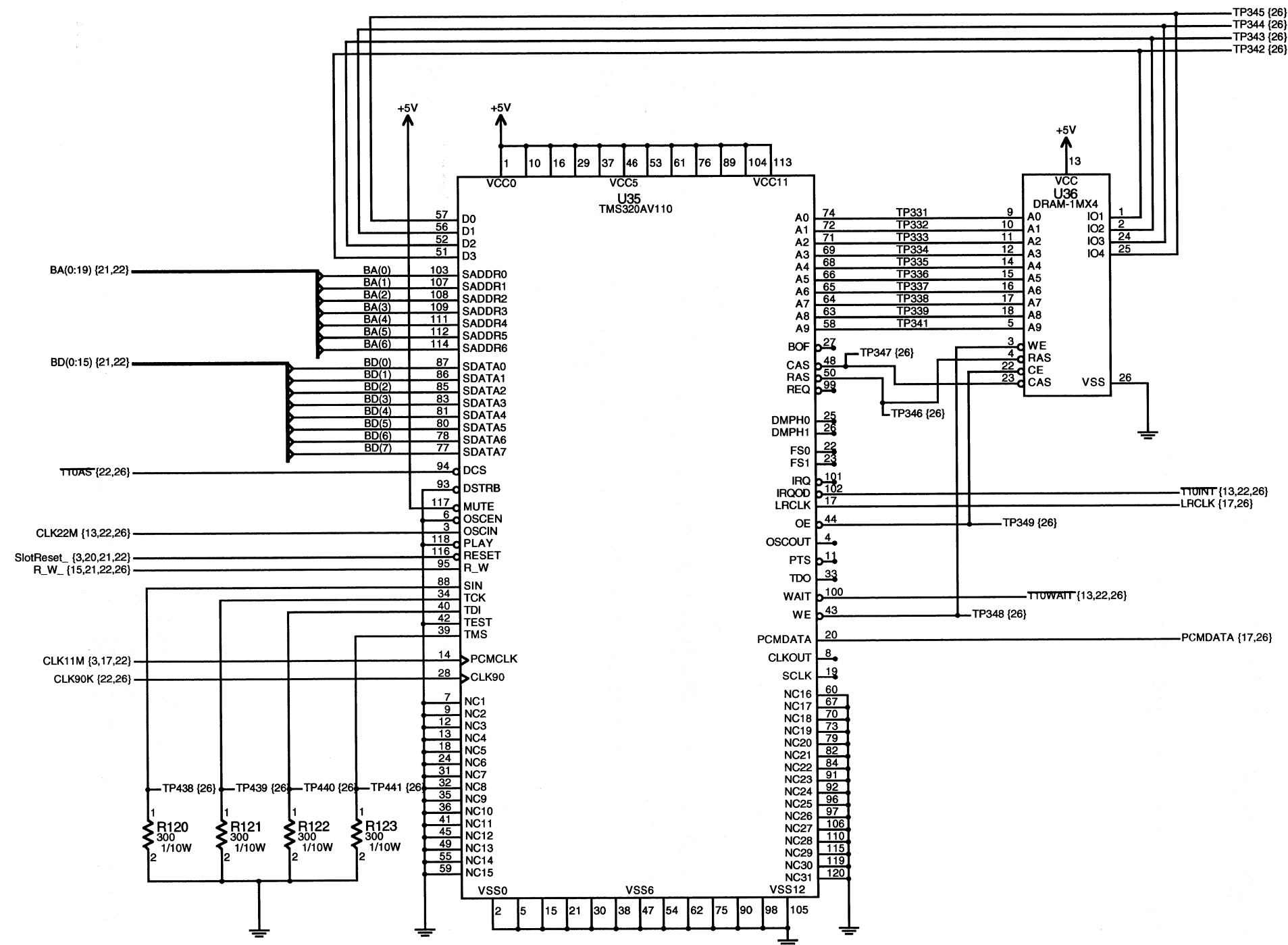
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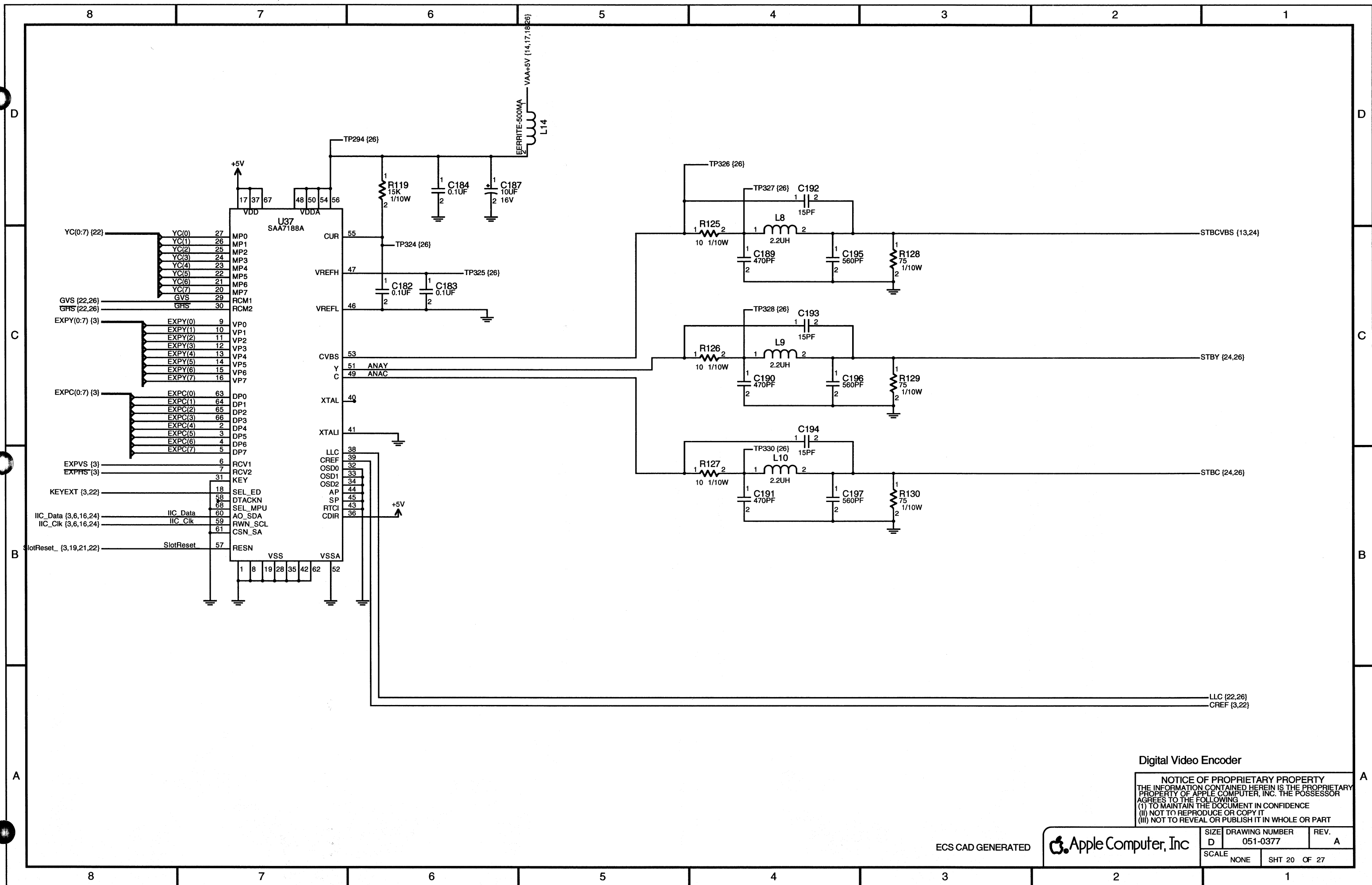
MPEG Audio Decoder

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SCALE	SHT 19 OF 27	
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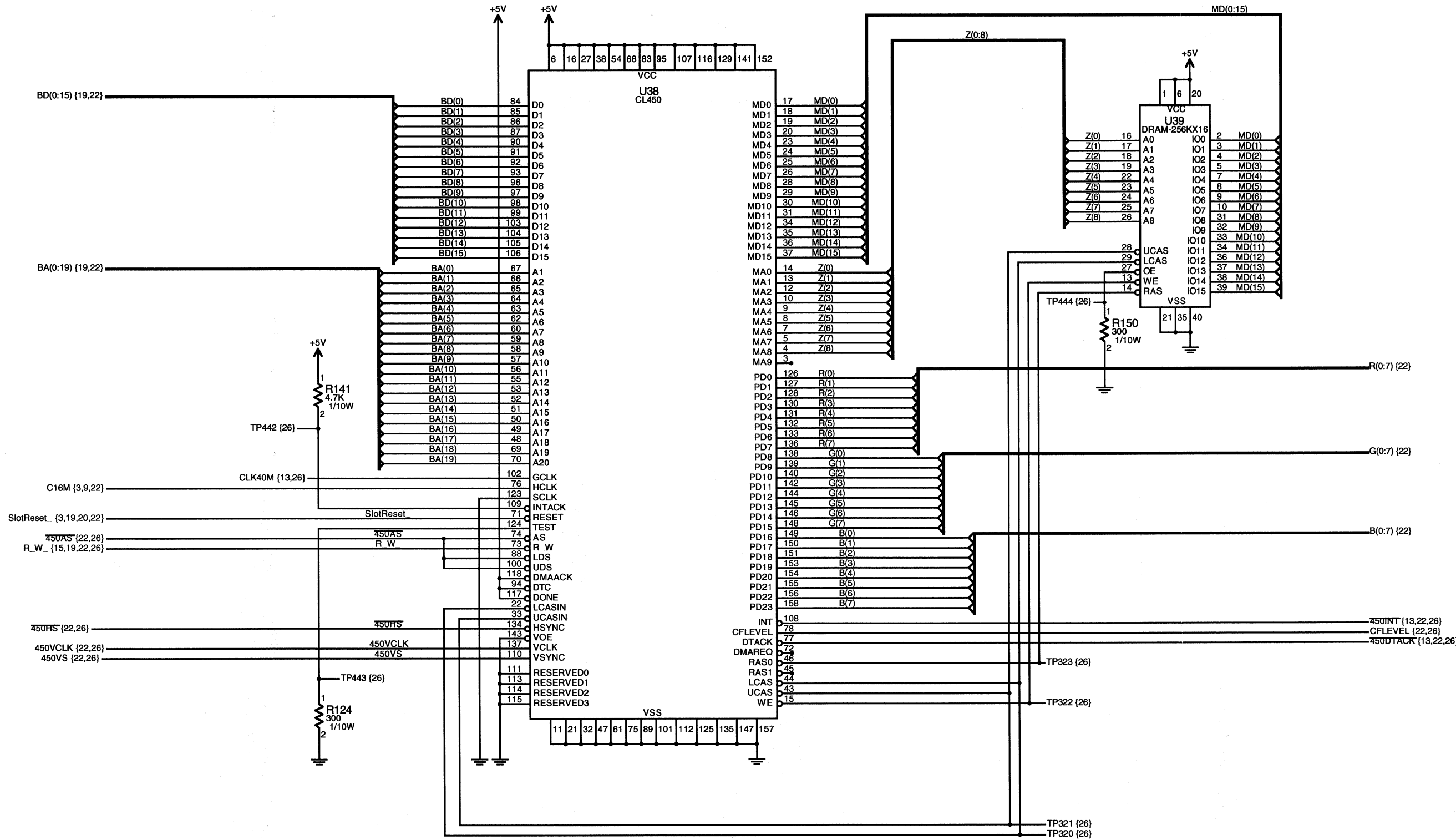
Digital Video Encoder

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SIZE	DRAWING NUMBER	REV.
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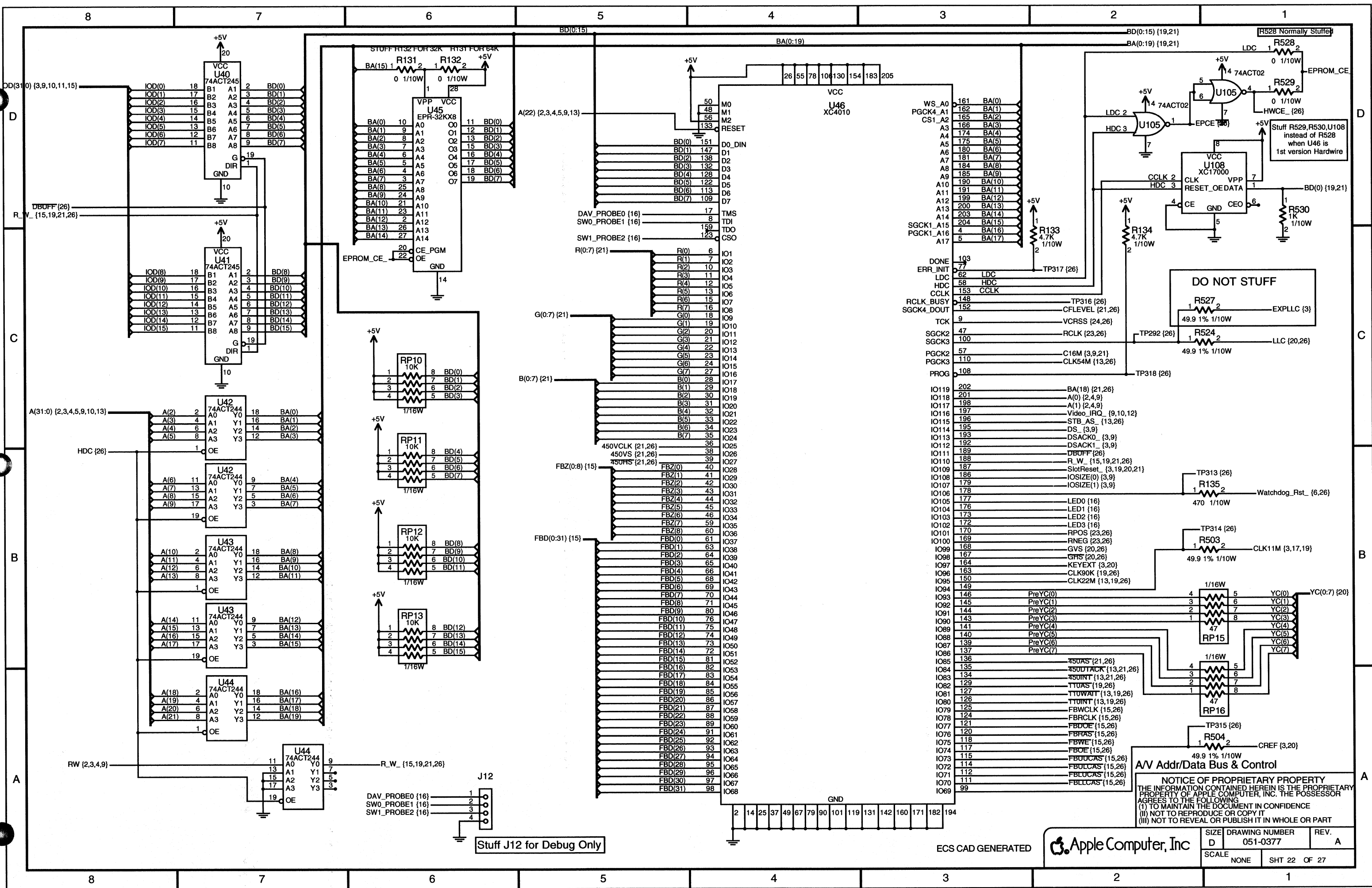
MPEG Video Decoder

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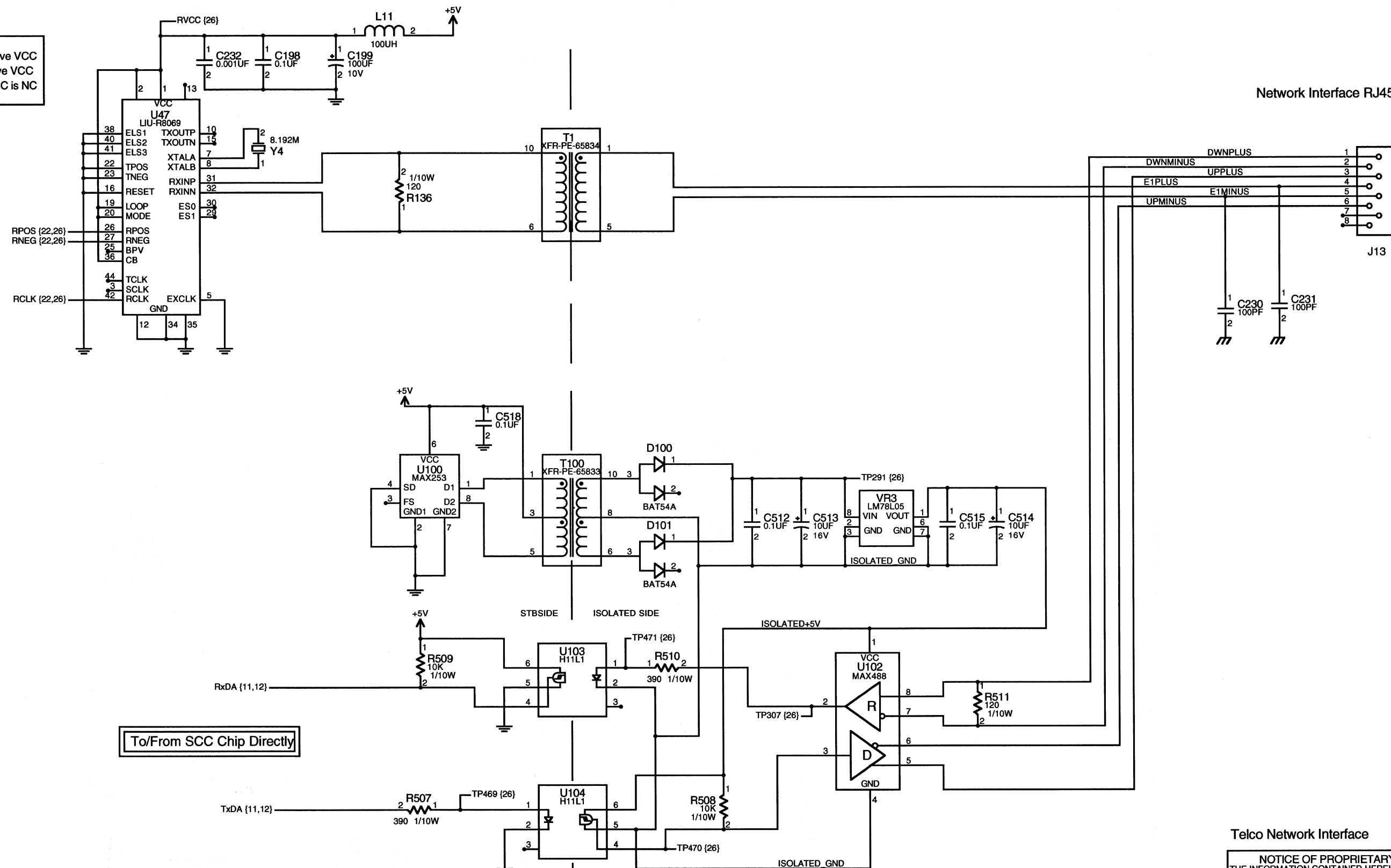
ECS CAD GENERATED



Stuff J12 for Debug Only

pin 1 - Analog Receive VCC
pin 2 - Digital Receive VCC
pin 13 - Transmit VCC is NC

Network Interface RJ45 Connection



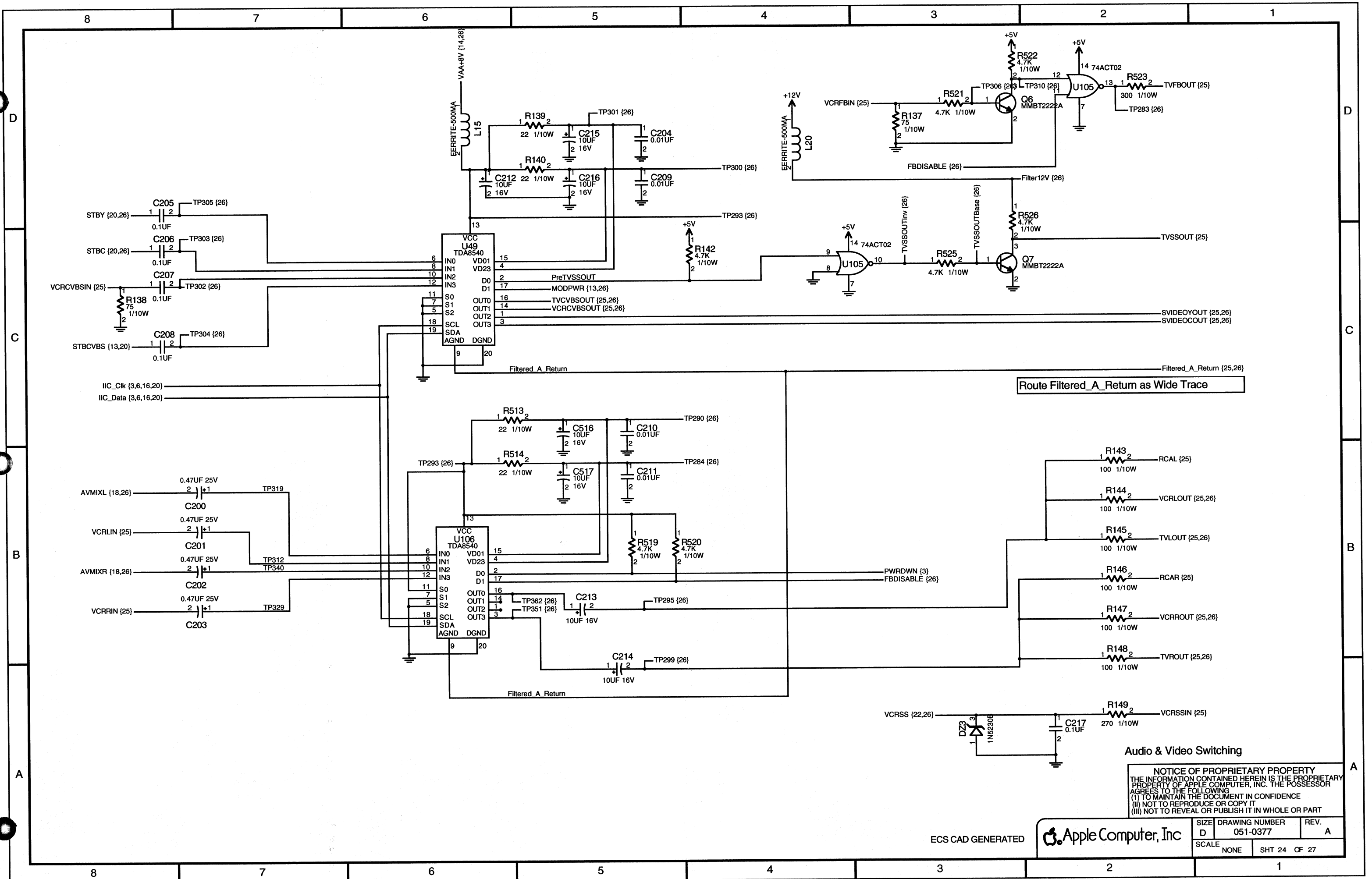
Telco Network Interface

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D	051-0377	A
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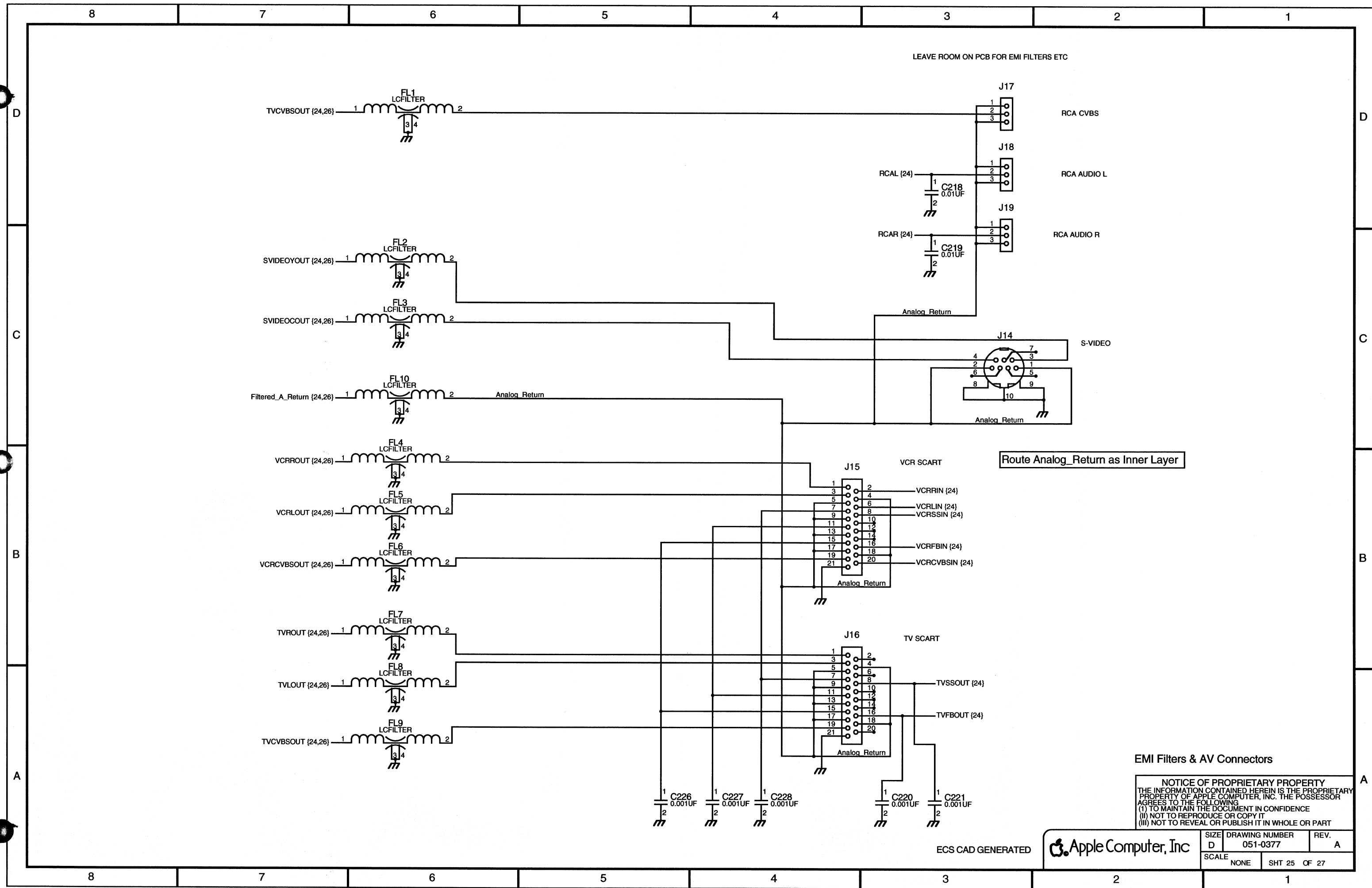


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D	051-0377	A
SCALE	SHT 24 OF 27	
NONE		



REFERENCE DESIGNATOR LOCATIONS															
BT1	6-C7	C92	10-D7	C194	20-C4	J1 3-A5		R35	6-C4	R132	22-D6	U19	11-C7		
C1	2-D8	C93	10-D6	C195	20-C4	J2 5-A4		R36	6-C4	R133	22-C2	U21	11-A5		
C2	2-B8	C94	10-B5	C196	20-C4	J3 5-C2		R37	6-C4	R134	22-C2	U23	11-B2		
C3	2-D8	C95	10-B4	C197	20-B4	J4 6-B4		R38	6-C4	R135	22-B2	U24	13-D4		
C4	2-A8	C96	10-A3	C198	23-D7	J5 6-B3		R39	6-C4	R136	23-D6	U25	15-D5		
C5	2-A8	C97	11-B6	C199	23-D6	J6 6-C1		R40	6-C4	R137	24-D3	U26	15-C5		
C6	2-B7	C99	11-C6	C200	24-B7	J7 7-C5		R41	6-C3	R138	24-C8	U27	15-B5		
C7	2-B7	C101	11-C6	C201	24-B7	J8 9-C2		R42	6-C3	R139	24-D5	U28	15-A5		
C8	2-B7	C102	11-C5	C202	24-B7	J9 10-A2		R43	6-B3	R140	24-D5	U29	15-C3		
C9	2-B7	C103	11-C5	C203	24-B7	J10 11-C4		R44	7-C5	R141	21-C6	U30	15-B3		
C10	2-B7	C104	11-C5	C204	24-D5	J11 16-C2		R45	7-C5	R142	24-C4	U31	16-C6		
C11	2-B7	C105	11-B4	C205	24-D8	J12 22-A6		R46	7-B5	R143	24-B2	U32	16-A6		
C12	2-A5	C106	11-B4	C206	24-C8	J13 23-D1		R47	7-D5	R144	24-B2	U33	17-C5		
C13	2-A4	C107	11-C4	C207	24-C8	J14 25-C3		R48	7-B4	R145	24-B2	U34	18-C4		
C14	2-D2	C108	11-C3	C208	24-C8	J15 25-B4		R49	7-C4	R146	24-B2	U35	19-A5		
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C18	2-D2	C113	14-A7	C212	24-D6	J19 25-C3		R53	8-D6	R150	21-C3	U39	21-C3		
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C22	3-D8	C117	14-C6	C216	24-D5			R57	8-D6	R500	13-D1	U43	22-B7		
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C24	3-D7	C119	14-A6	C218	25-D3	L2 9-B8		R59	8-B5	R502	13-C1	U45	22-C6		
C25	3-D7	C120	14-D6	C219	25-C3	L3 8-B7		R60	8-D6	R503	22-B2	U46	22-A4		
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C29	4-D8	C125	14-D6	C223	16-C2	L7 10-D8		R64	8-D5	R509	23-B6	U102	23-A4		
C30	4-D7	C126	14-C6	C224	16-B2	L8 20-C4		R65	8-C5	R510	23-B5	U103	23-B5		
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C33	4-D7	C130	14-A6	C227	25-A4	L11 23-D6		R68	8-D4	R514	24-B6	U106	24-B6		
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C37	5-B2	C136	14-D5	C232	23-D7	L15 24-D6		R72	8-D4	R522	24-D3	VR1	14-A6		
C38	5-B2	C137	14-C5	C501	13-D5	L16 8-B4		R73	8-D4	R523	24-D2	VR2	14-A4		
C39	5-A2	C138	14-C5	C502	13-C5	L17 8-A4		R74	9-C3	R524	22-C2	VR3	23-B4		
C40	5-B2	C139	14-C5	C503	13-D5	L18 8-A4		R75	9-A3	R525	24-C3				
C41	5-A2	C140	14-B5	C504	13-C5	L19 13-D5		R76	9-B3	R526	24-C3	Y1	6-D6		
C42	5-B2	C141	14-D5	C505	18-C7	L20 24-D4		R77	10-B7	R527	22-C2	Y2	16-C5		
C43	5-B1	C142	14-C5	C506	13-D2	L500 13-D2		R78	10-B5	R528	22-D1	Y4	23-D7		
C44	5-A1	C143	14-C5	C507	13-D2	L501 13-B2		R79	11-C6	R529	22-D1				
C45	6-D7	C145	14-B5	C508	13-B2	L502 13-C2		R81	11-B3	R530	22-C1				
C46	6-D7	C146	14-A4	C509	13-B2			R82	11-C3	R551	11-A2				
C47	6-C6	C147	14-D4	C510	13-C2	LP1 6-C3		R86	13-C6	R552	6-D6				
C48	6-C6	C148	14-C4	C511	13-C2			R87	13-C3	R553	6-D5				
C49	6-C6	C149	14-C4	C512	23-B4			R88	13-B3	R554	6-D5				
C50	6-C6	C150	14-C4	C513	23-B4	Q1 6-C3		R89	13-D6						
C51	6-B4	C151	14-B4	C514	23-B3	Q2 8-D6		R90	13-C6	RP1	2-C4				
C52	6-B4	C152	14-A4	C515	23-B3	Q3 8-C6		R91	13-D3	RP2	3-D1				
C53	6-B4	C153	14-D4	C516	24-B5	Q4 13-D6		R93	16-B5	RP3	3-C1				
C54	6-C2	C154	14-C4	C517	24-B5	Q5 13-C6		R94	13-D3	RP4	4-C3				
C55	6-C2	C155	14-C4	C518	23-C5	Q6 24-D3		R95	16-D6	RP5	4-B3				
C56	6-C1	C156	14-C4	C576	13-D5	Q7 24-C3		R96	16-C6	RP6	4-C3				
C57	9-B8	C157	14-B4			R1 2-B8		R97	16-C5	RP7	4-B3				
C58	9-B8	C158	14-D4	D1	8-A7	R2 2-B8		R98	16-C5	RP8	4-B3				
C59	8-A6	C159	14-C4	D2	10-B5	R3 2-B8		R100	17-C6	RP9	10-D5				
C60	8-A6	C160	14-C4	D3	16-D7	R4 2-B8		R101	17-C3	RP10	22-C6				
C61	8-A6	C161	14-C4	D100	23-B5	R5 2-A7		R102	17-B3	RP11	22-B6				
C62	8-A6	C162	14-B4	D101	23-B5	R6 2-C7		R103	18-C8	RP12	22-B6				
C63	8-D6	C163	14-A4			R7 2-A7		R104	18-C8	RP13	22-B6				
C64	8-C6	C164	16-C6	DZ1	13-D6	R8 2-B6		R105	18-D7	RP14	10-C2				
C65	8-D6	C165	16-D5	DZ2	13-C6	R9 2-B6		R106	18-D7	RP15	22-B2				
C66	8-C6	C166	16-D5	DZ3	24-A3	R10 2-A6		R107	18-C7	RP16	22-B2				
C67	8-D5	C167	16-C5			R11 2-A6		R108	18-B7						
C68	8-C5	C168	16-C4	F1	6-D3	R12 2-B6		R109	18-B7	S1	6-C7				
C69	8-D5	C169	17-C5	F2	10-B5	R13 2-B6		R110	18-B7						
C70	8-C5	C170	17-C5			R14 2-A5		R111	18-C7	T1	23-C5				
C71	8-D5	C171	17-C3	FL1	25-D6	R15 2-A5		R112	18-B6	T100	23-B5				
C72	8-C5	C172	17-B3	FL2	25-C7	R16 2-A5		R113	18-D6						
C73	8-C4	C173	18-C8	FL3	25-C7	R17 2-A4		R114	18-B6	U1	2-A7				
C74	8-D4	C174	18-D7	FL4	25-B7	R18 2-A4		R115	18-C5	U2	2-A3				
C77	9-D8	C175	18-D7	FL5	25-B7	R19 3-A3		R116	18-C5	U3	3-A3				
C78	9-D8	C176	18-C7	FL6	25-B7	R20 3-B2		R117	18-B4	U4	4-D5				
C79	9-D8	C177	18-B7	FL7	25-B7	R21 3-B2		R118	18-C3	U5	5-C7				
C80	9-D7	C178	18-B7	FL8	25-A7	R22 4-C8		R119	20-D6	U6	5-C7				
C81	9-D7	C179	18-B7	FL9	25-A7	R23 4-C8		R120	19-B6	U7	5-C6				
C82	9-D7	C180	18-D6	FL10	25-C7	R24 4-C7		R121	19-B6	U8	5-C6				
C83	9-D7	C181	18-D6			R25 4-C7		R122	19-B6	U9	5-C5				
C84	9-A3	C182	20-C6	G1	2-D7	R26 4-A3		R123	19-B6	U10	5-C5				
C85	9-C2	C183	20-C6	G2	9-A8	R27 5-A6		R124	21-B6	U11	5-C4				
C86	9-C1	C184	20-D6	G3	13-D2	R28 6-C7		R125	20-C4	U12	5-C4				
C87	9-C1	C187	20-D6	G4	13-B2	R29 6-C6		R126	20-C4	U13	6-C7				
C88	9-C1	C189	20-C4	G5	13-C2	R30 6-C6		R127	20-B4	U14	6-C5				
C89	10-B7	C190	20-C4			R31 6-C6		R128	20-C3	U15	7-D4				
C90	10-D7	C191	20-B4	G4A	13-A2	R32 6-B6		R129	20-C3	U16	8-D5				
C91	10-D7	C192	20-D4			R33 6-B6		R130	20-B3	U17	9-D5				
		C193	20-C4	G5A	13-B2	R34 6-C4		R131	22-D6	U18	10-B7				