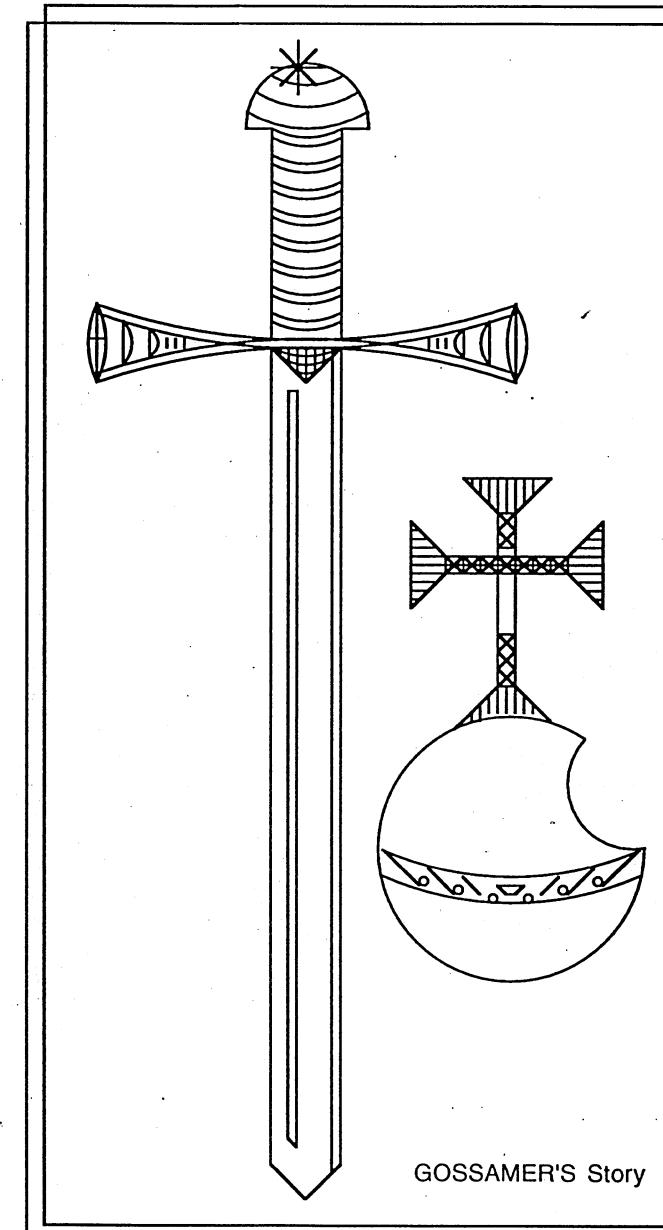


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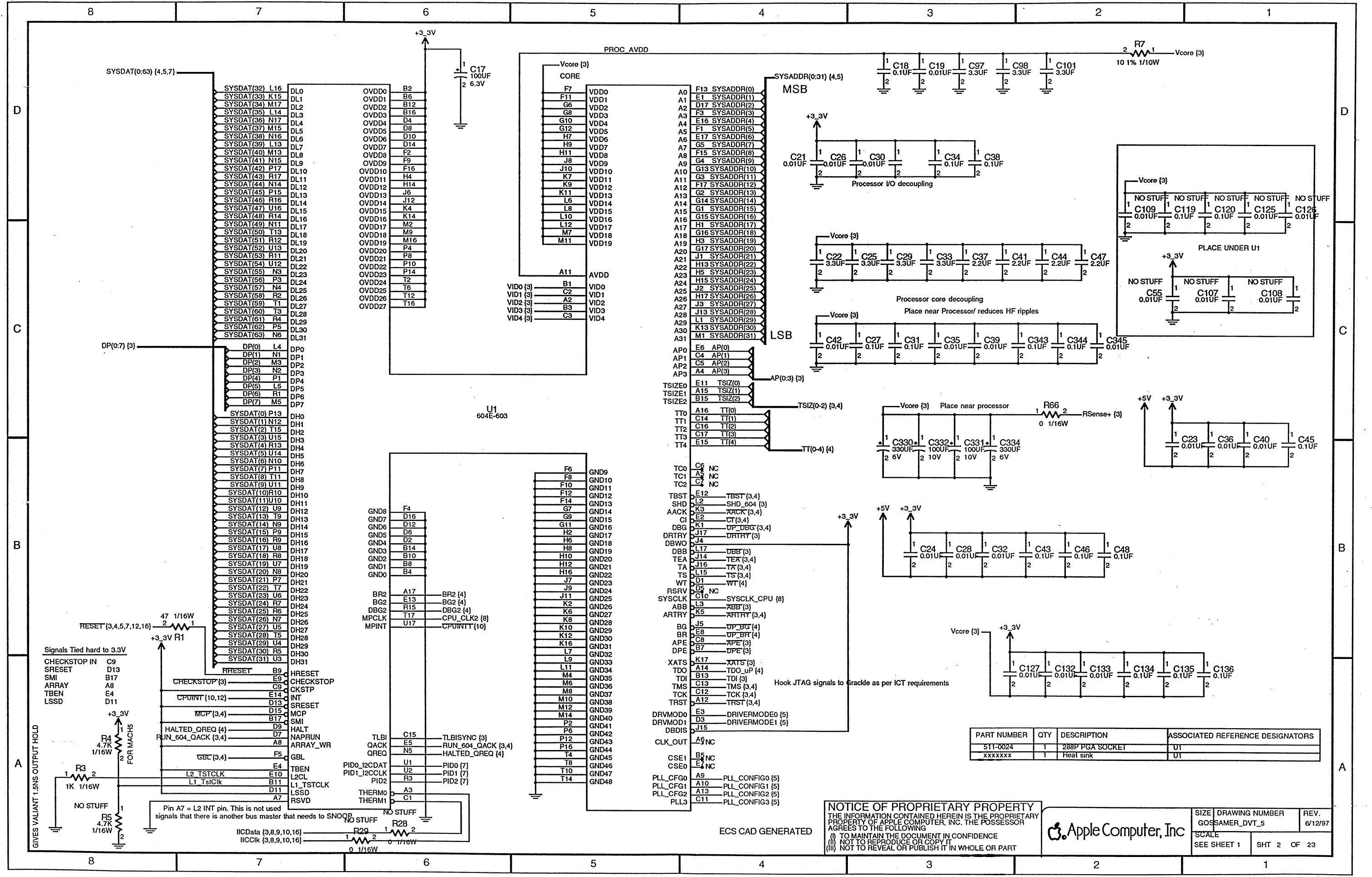
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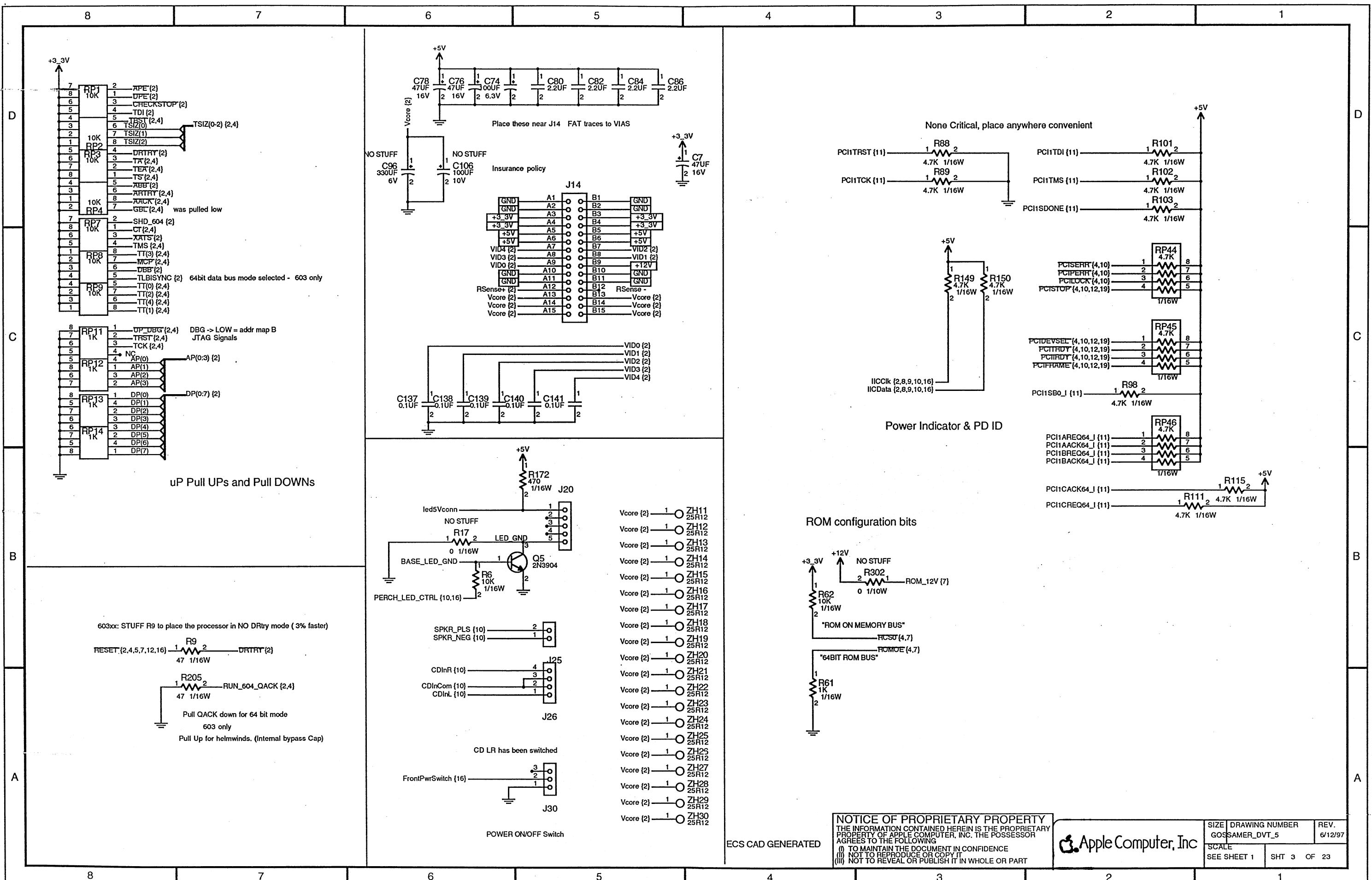
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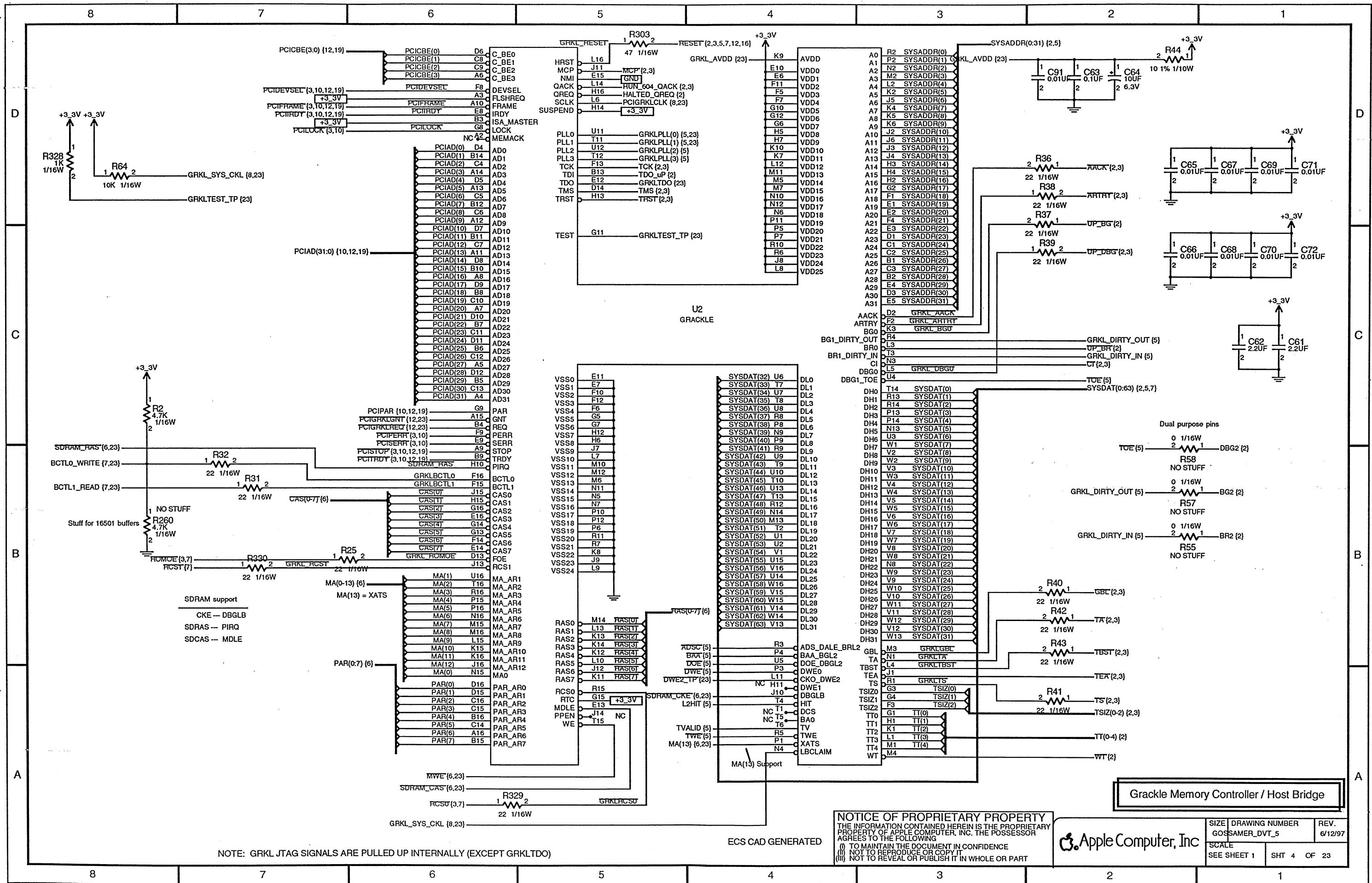
POWER MACINTOSH GOSSAMER - DVT
MAIN LOGIC BOARD SCHEMATIC
REV 5 - last changed on 20 MAY 97



DIMENSIONS ARE IN MILLIMETERS		METRIC		Apple Computer, Inc	
X.XX*		DRAFTER	/	DESIGN CK	/
X.XX*		ENG APPD	/	MFG APPD	/
X.XXX*		QA APPD	/	DESIGNER	/
ANGLES*		RELEASE	/	SCALE	
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				DRAWING NUMBER	
				REV. 6/12/97	
				SHT 1 OF 23	
ECS CAD GENERATED		THIRD ANGLE PROJECTION		MATERIAL/FINISH NOTED AS APPLICABLE	
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5		4		3	
2		1			







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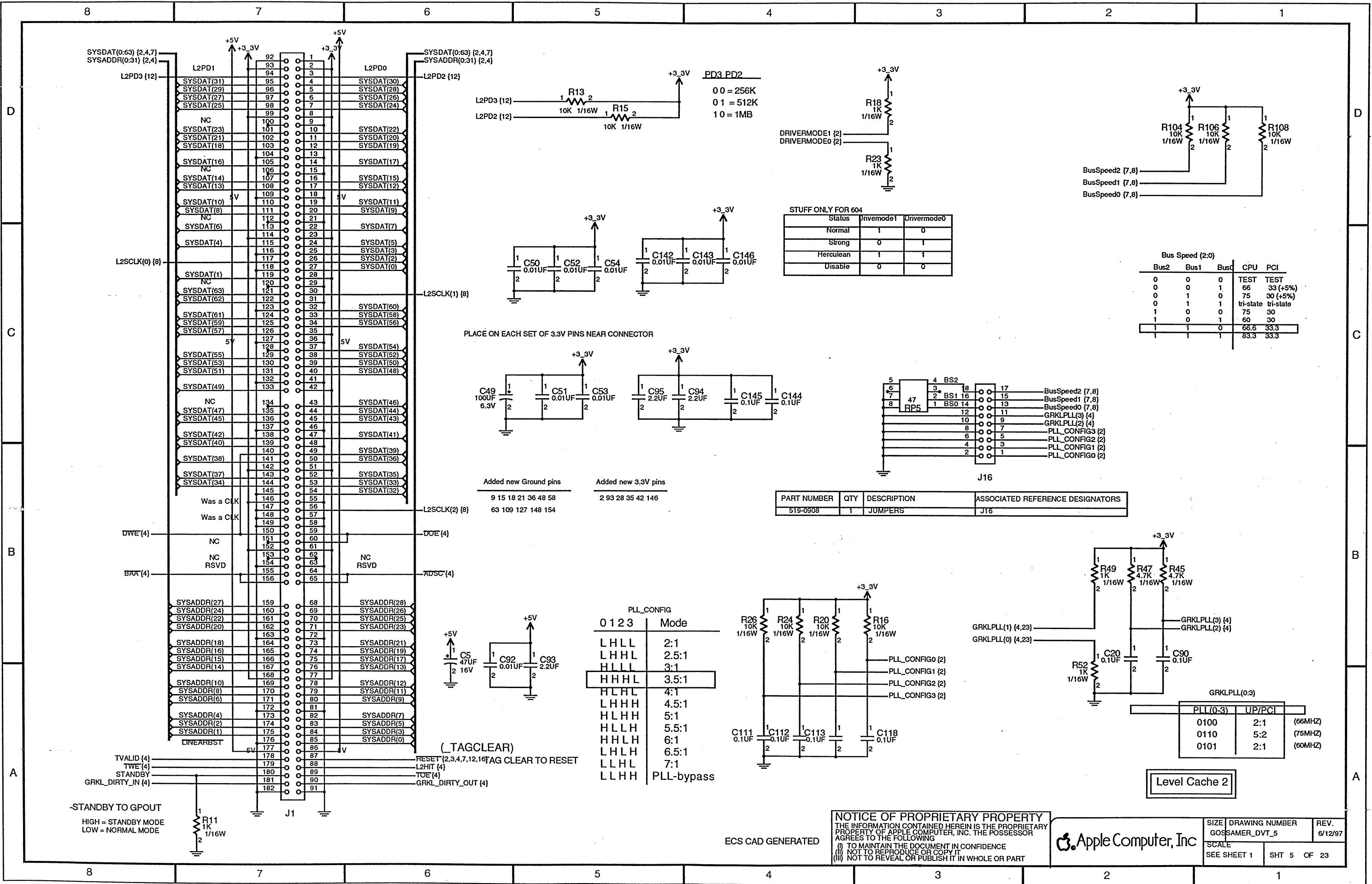
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ECS CAD GENERATED

NOTE: GRKL JTAG SIGNALS ARE PULLED UP INTERNALLY (EXCEPT GRKLTD0)

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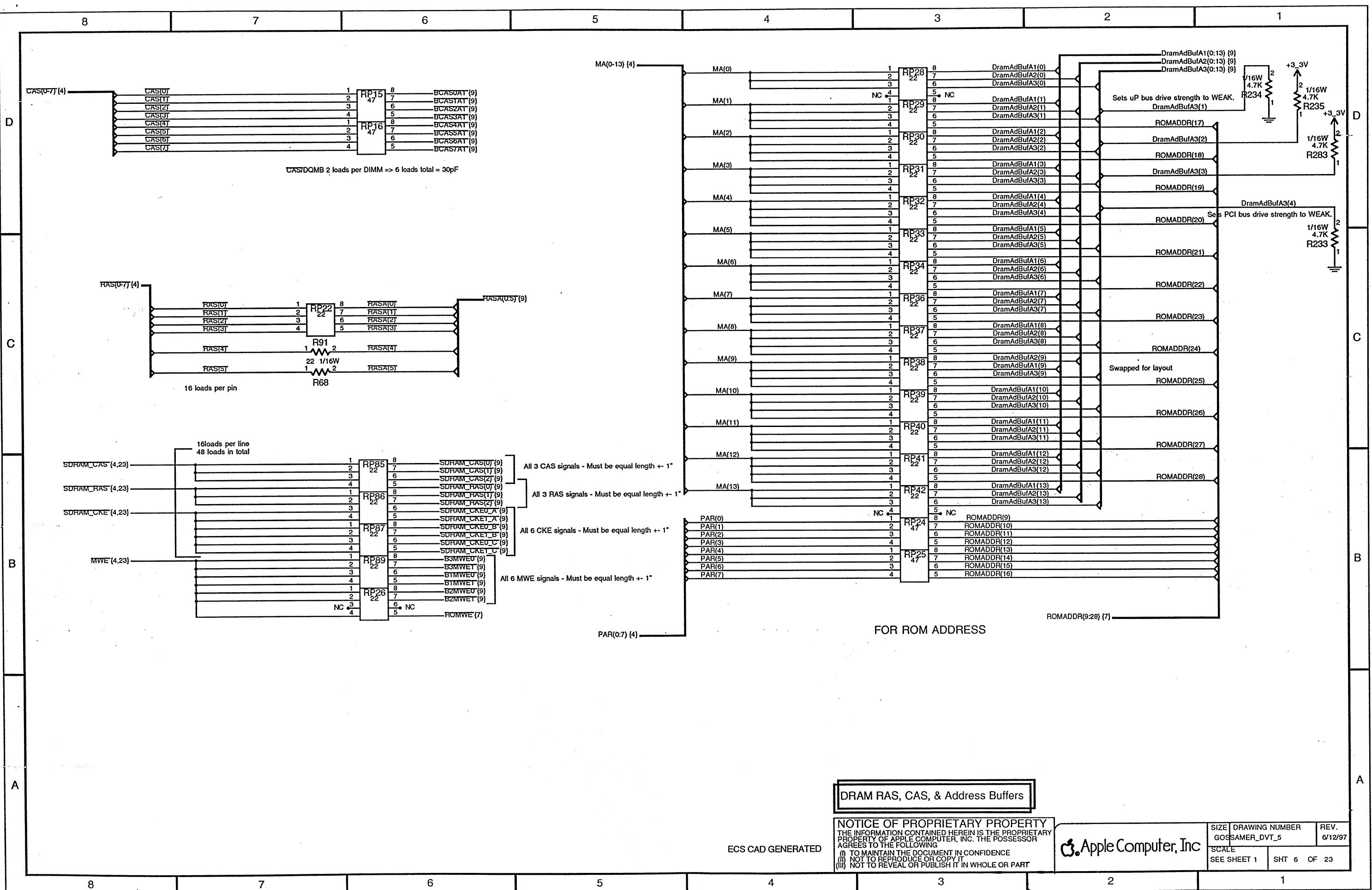


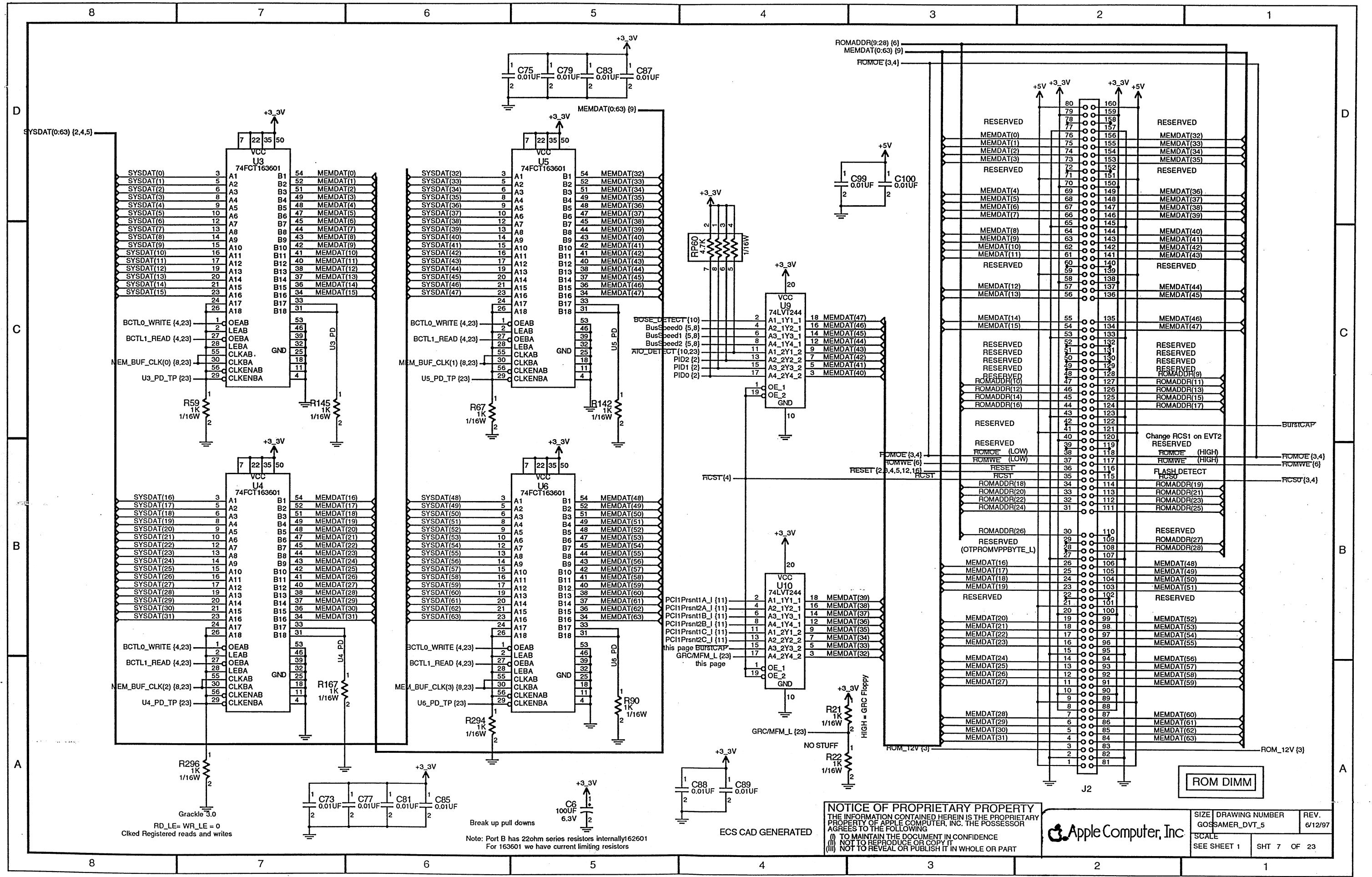
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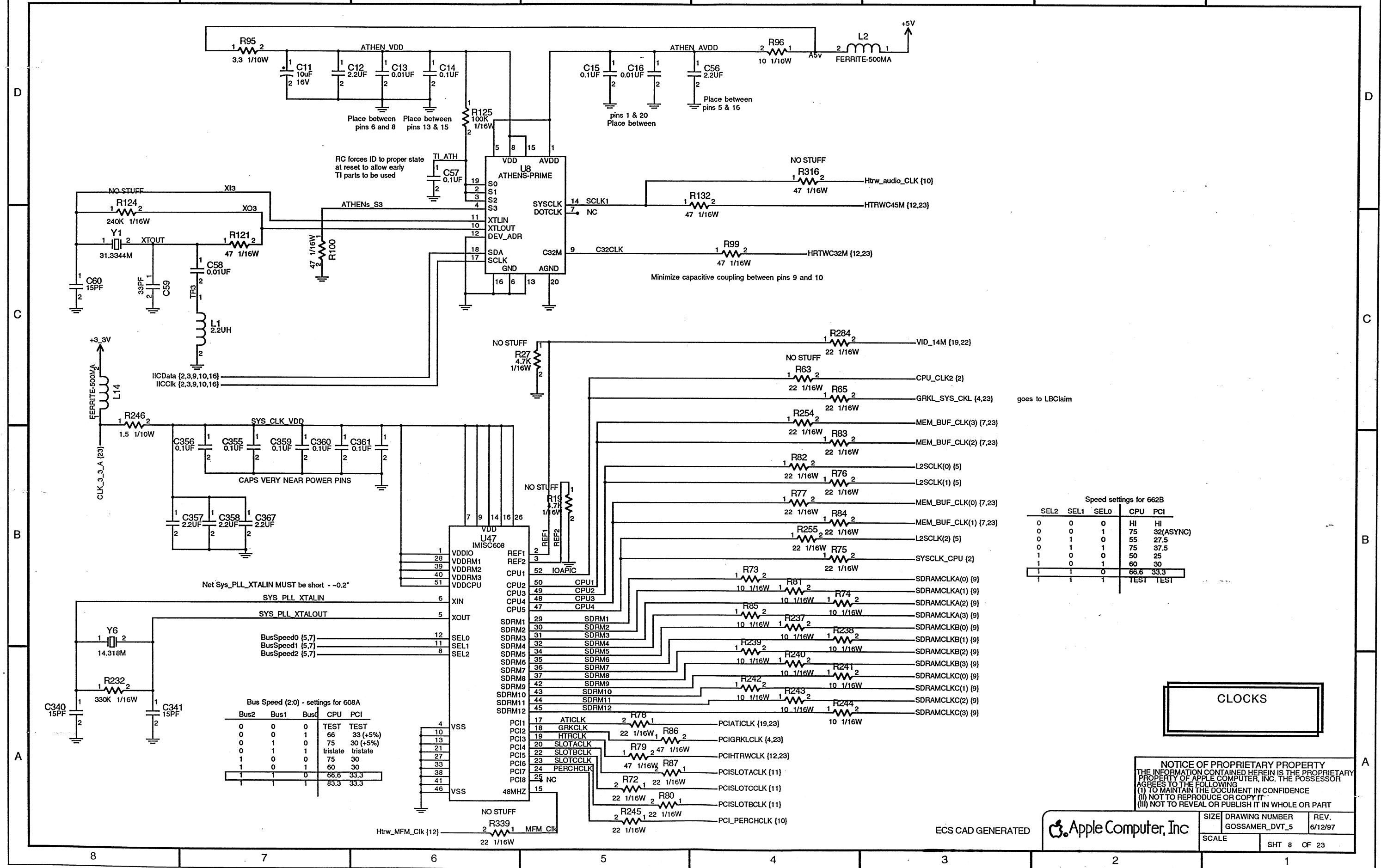
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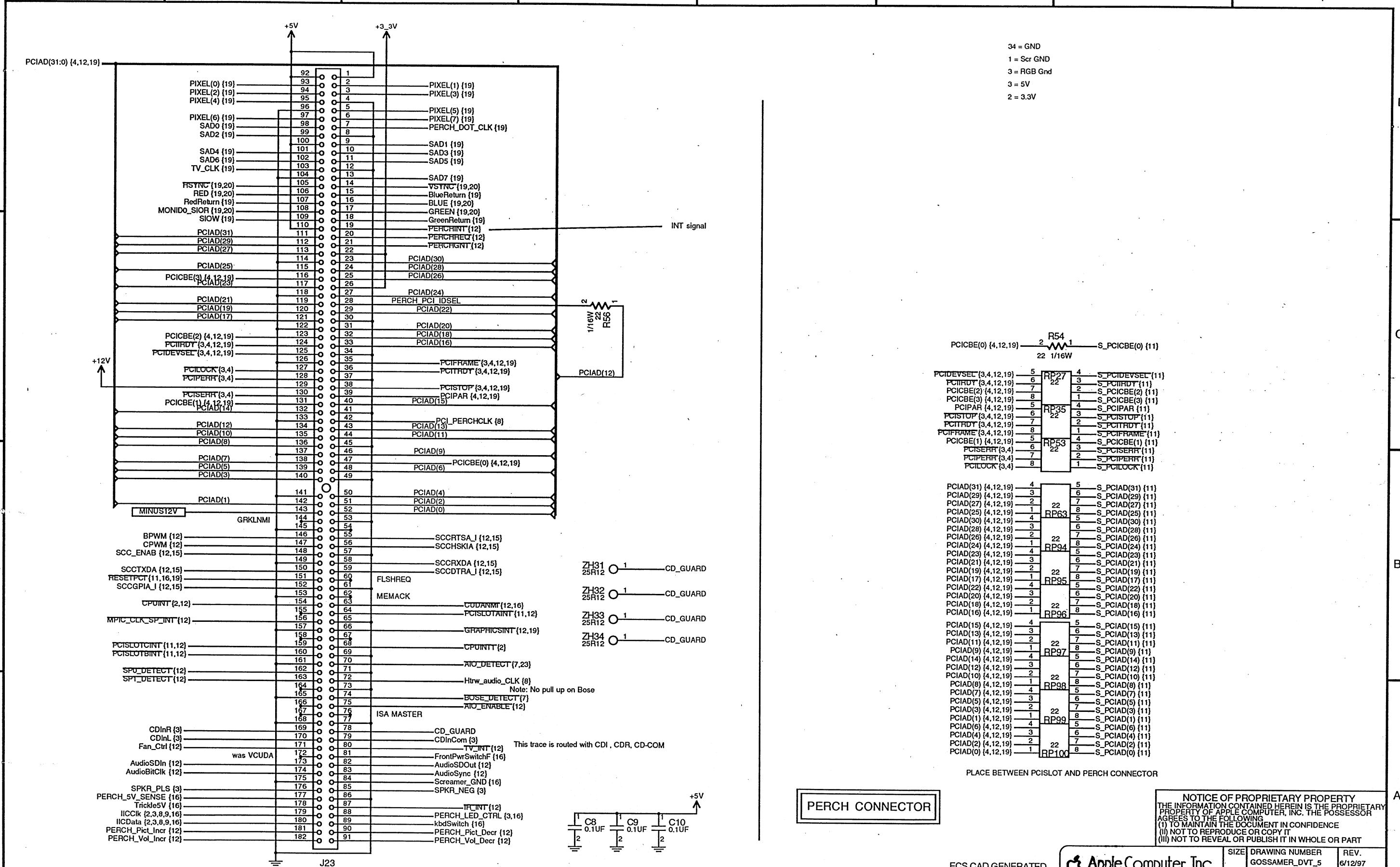
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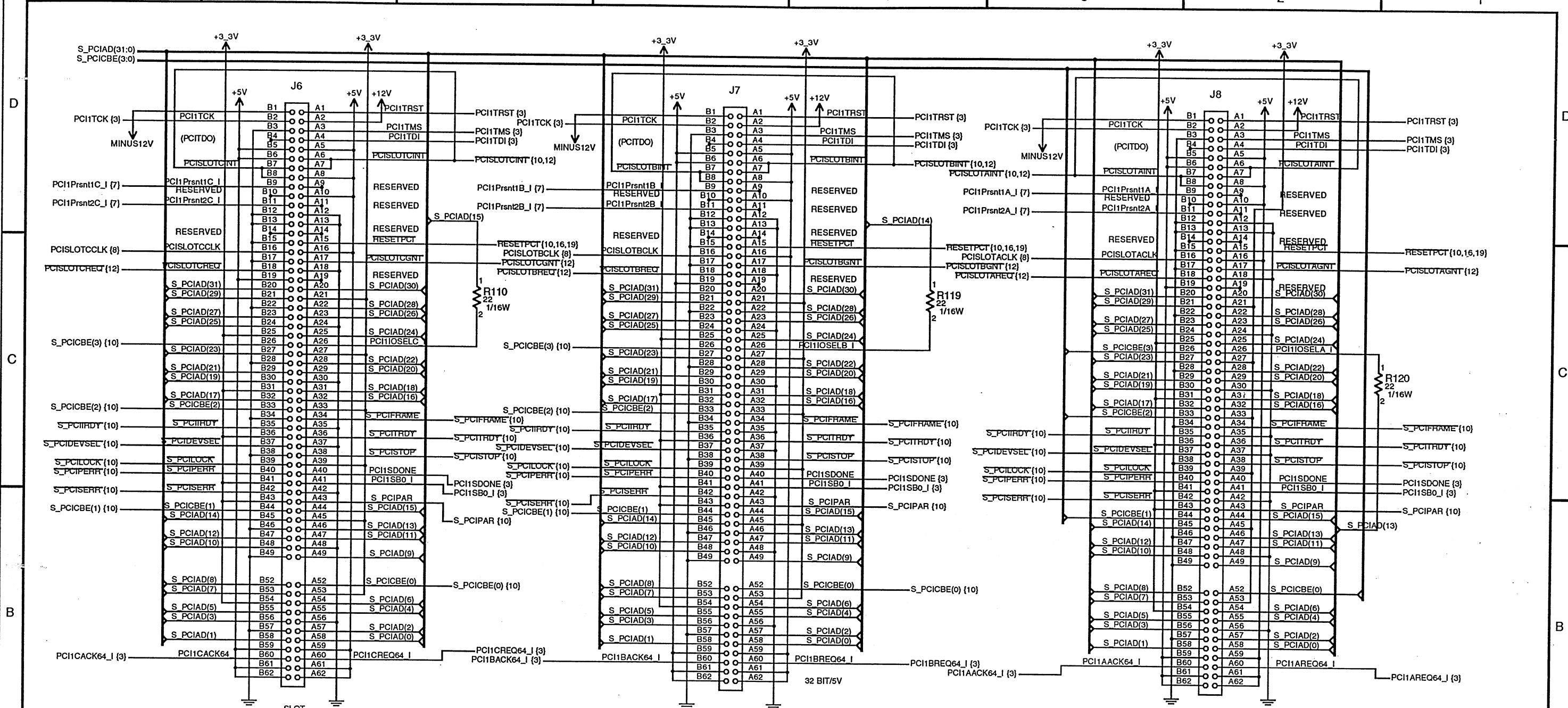




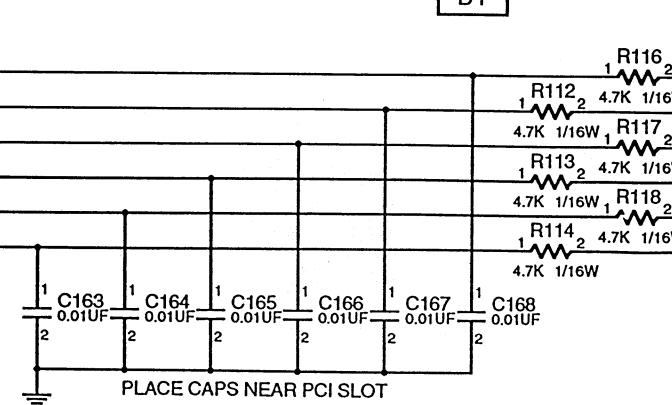
8 7 6 5 4 3 2 1







PCI IDSEL assignment	
IDSEL 11	-
IDSEL 12	PERCH
IDSEL 13	PCI SLOT A
IDSEL 14	PCI SLOT B
IDSEL 15	PCI SLOT C
IDSEL 16	HEATHROW
IDSEL 17	-
IDSEL 18	ATI GT-B

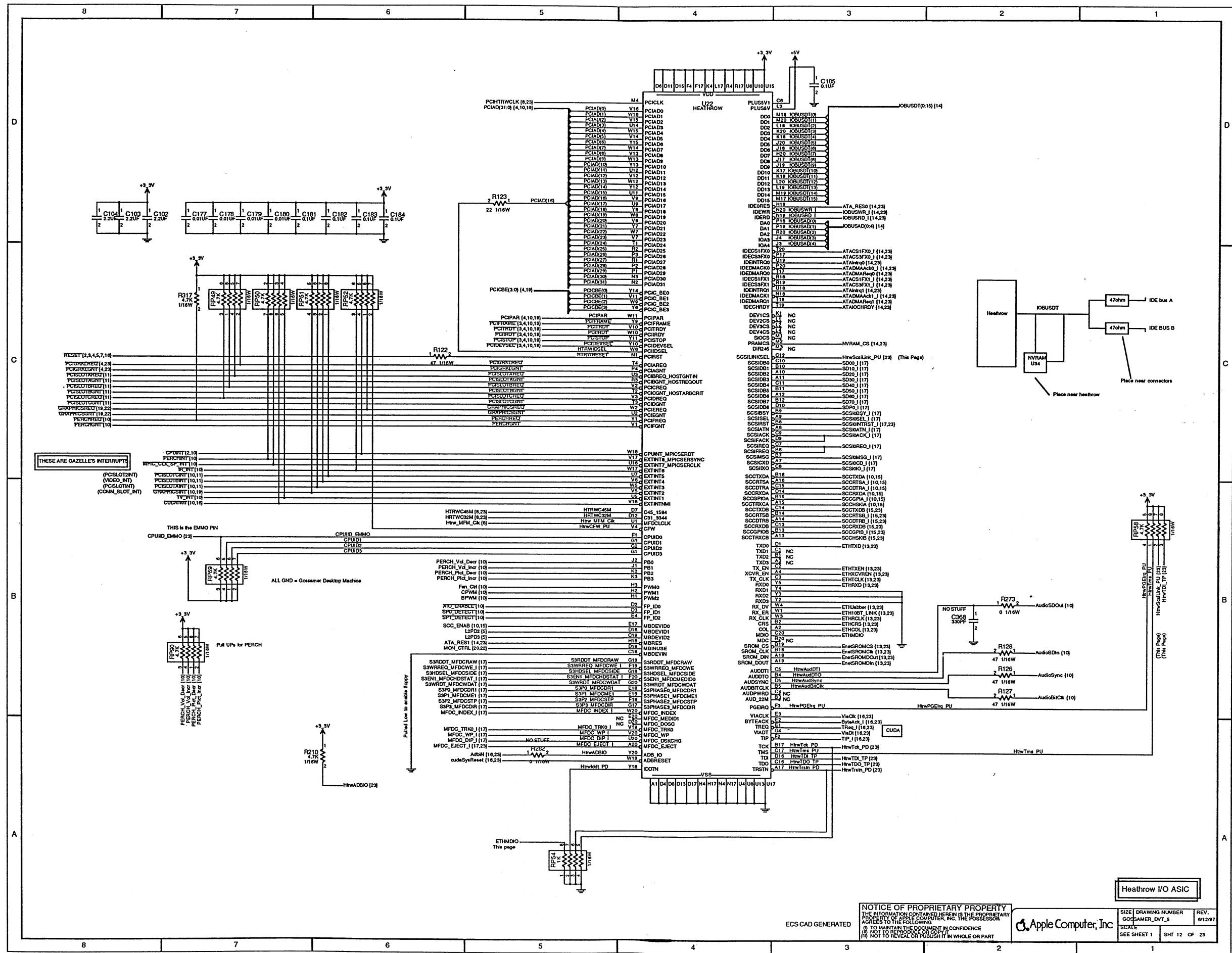


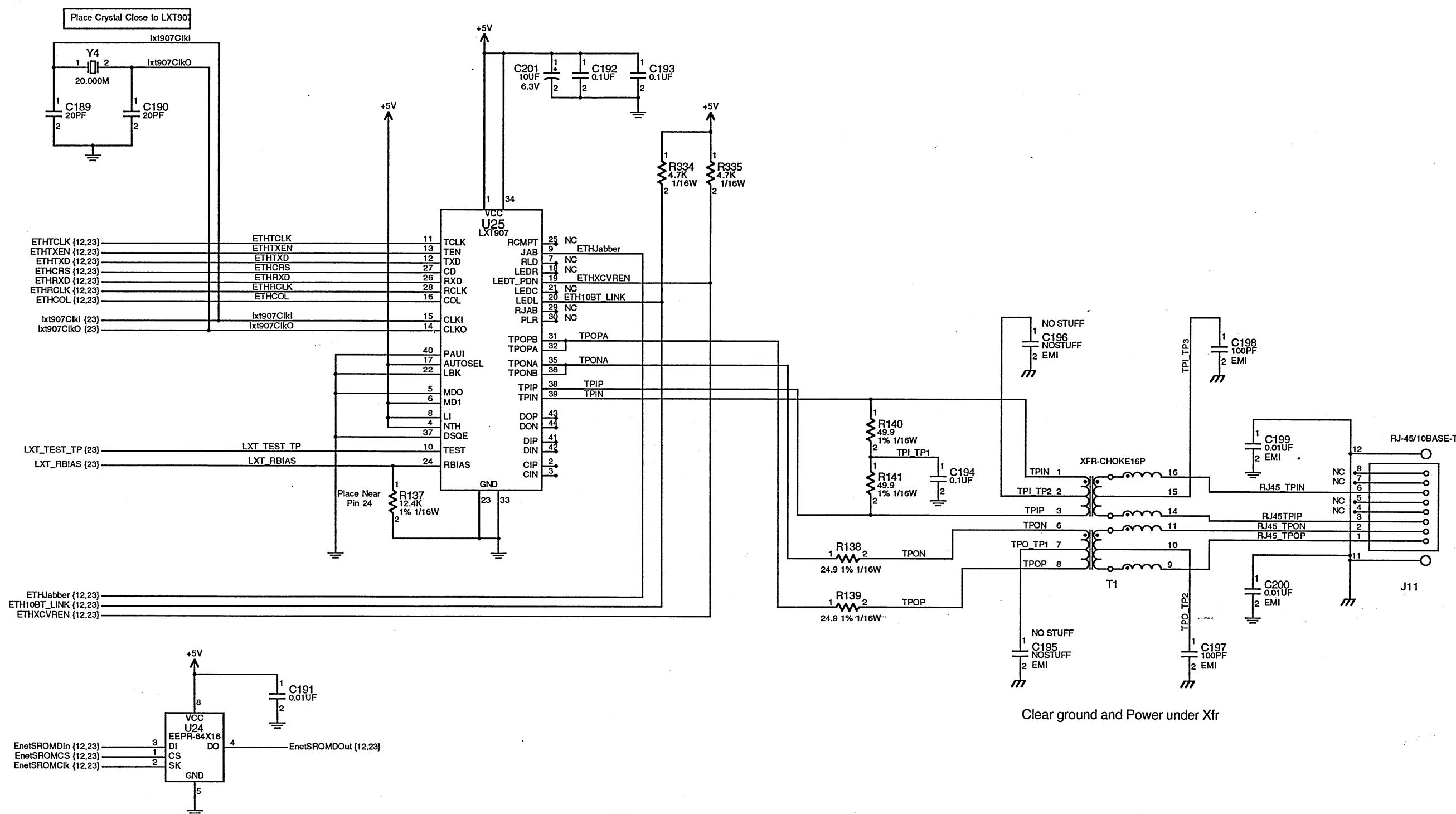
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Ethernet
Transceiver, Magnet
Connector, Address PP

Last Modified: 96 Apr 2

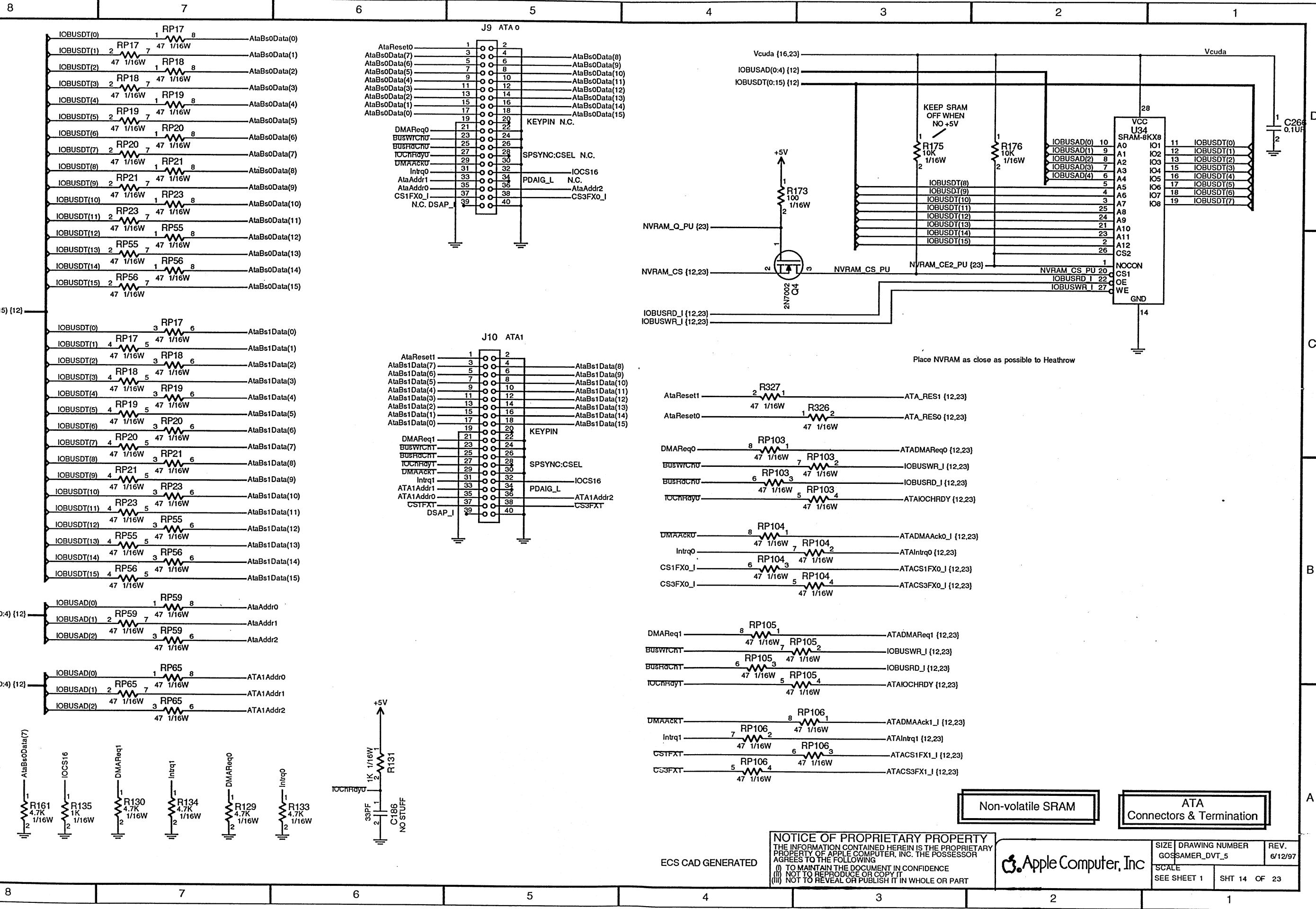
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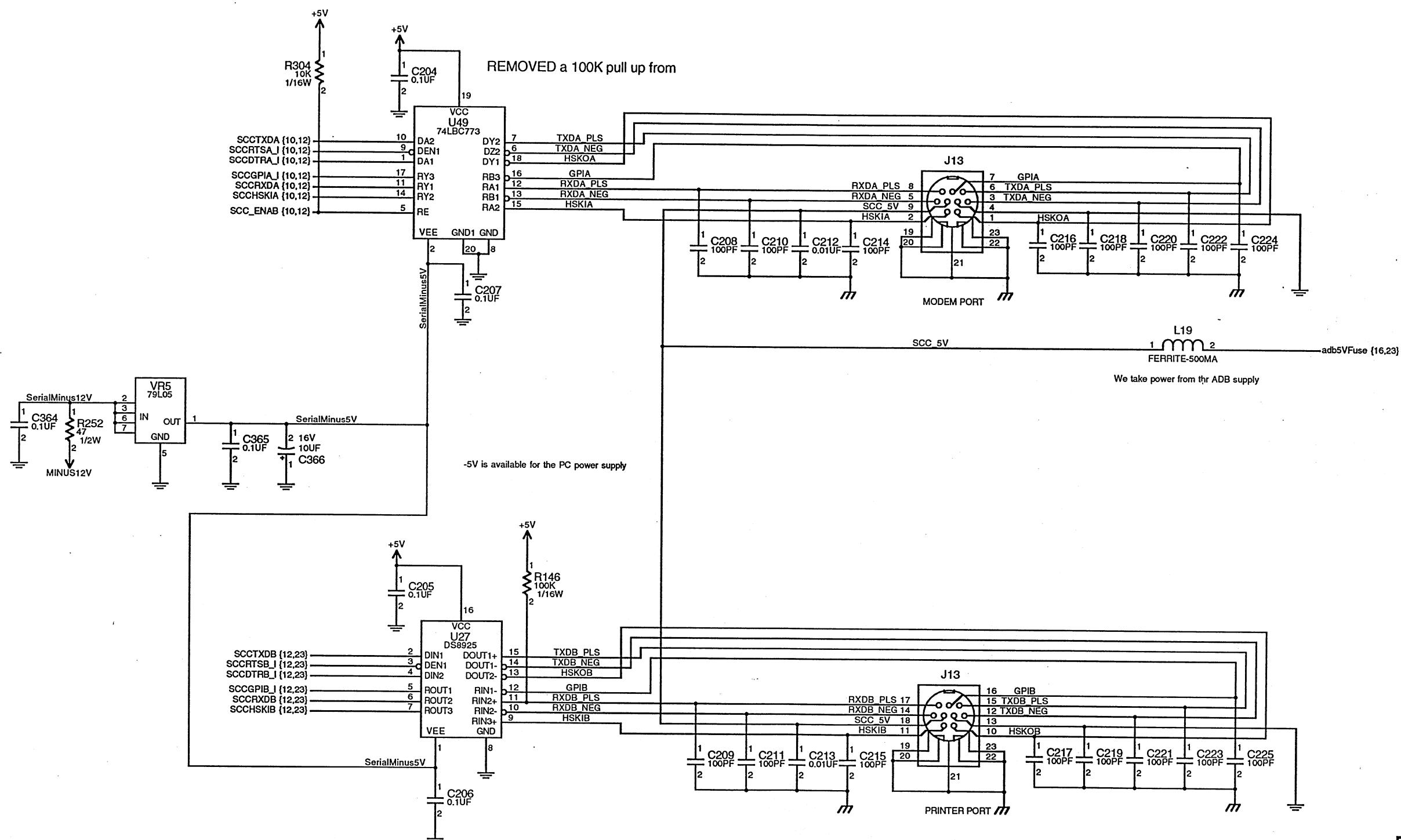
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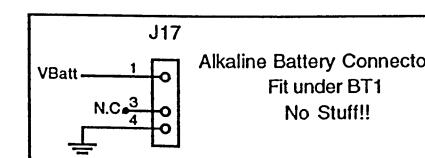
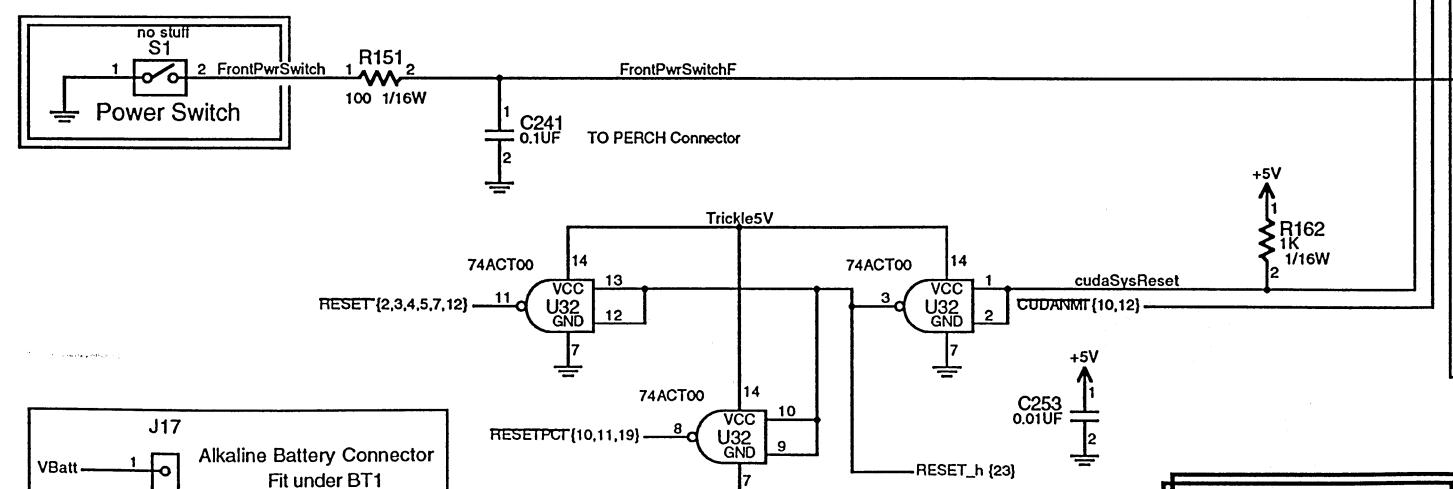
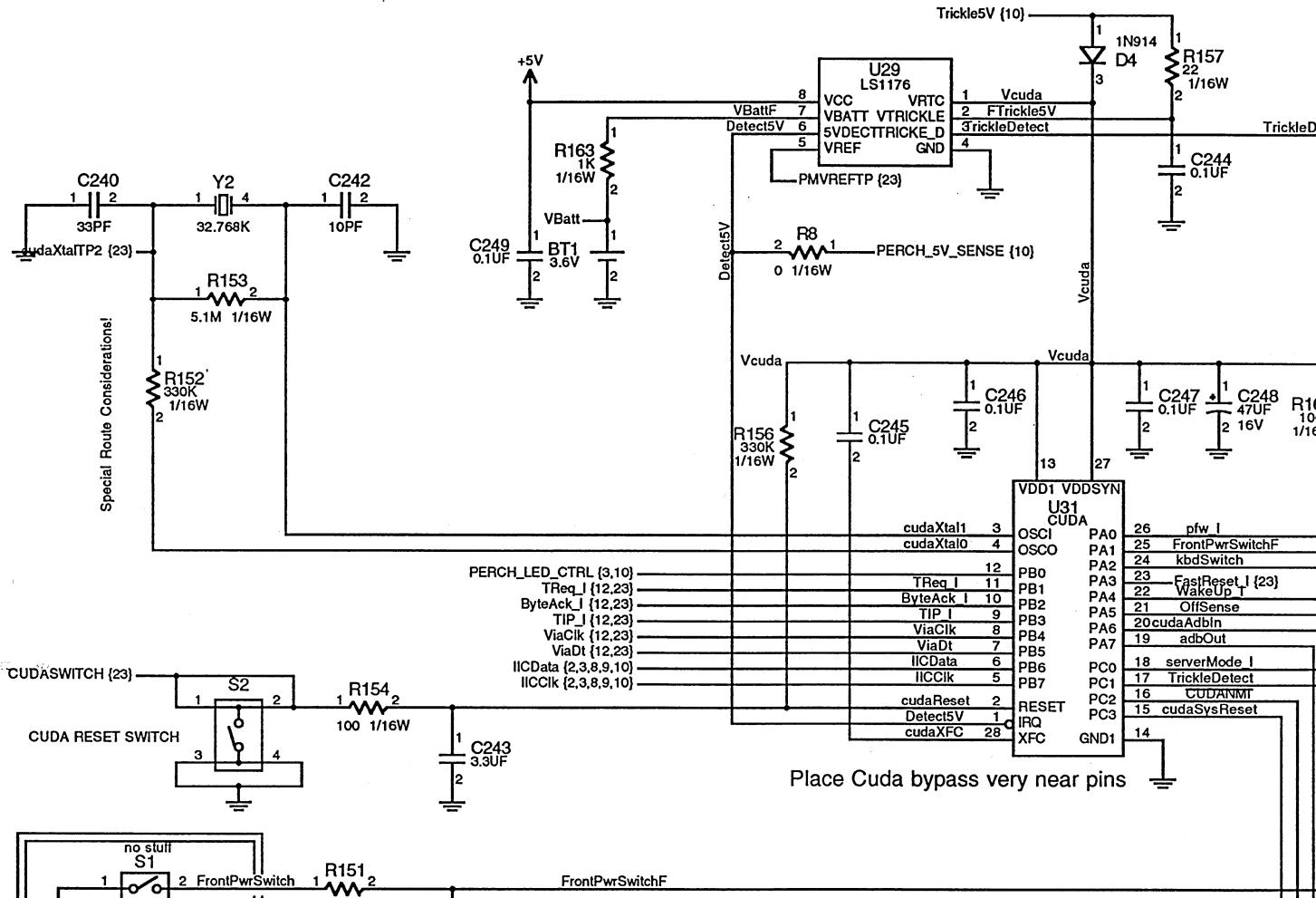
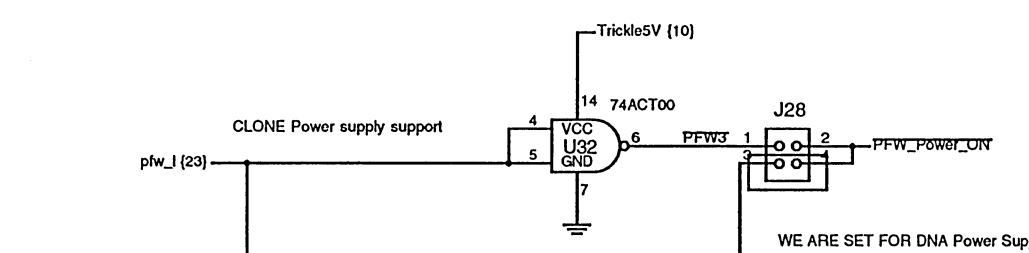
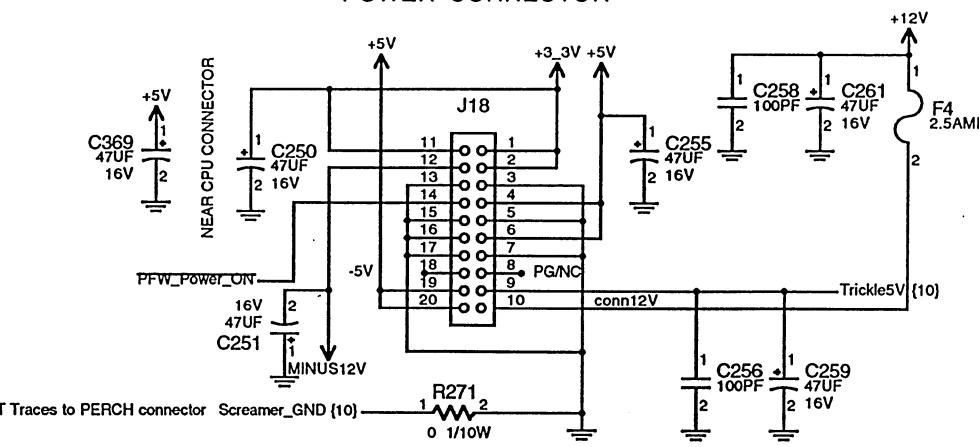
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Mac Serial Ports

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POWER CONNECTOR



Cuda & Power Control

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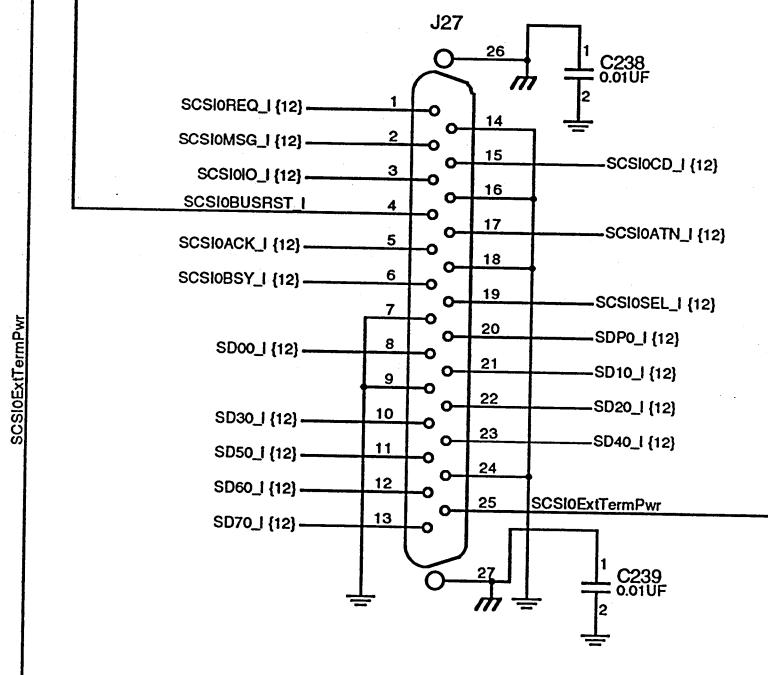
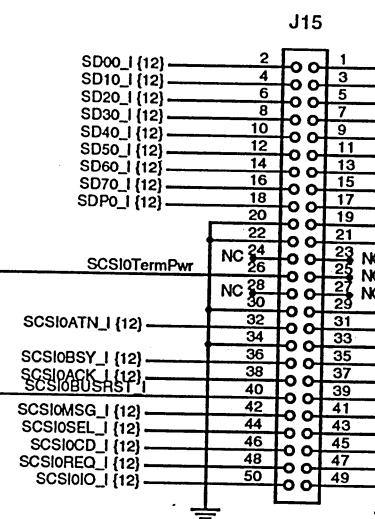
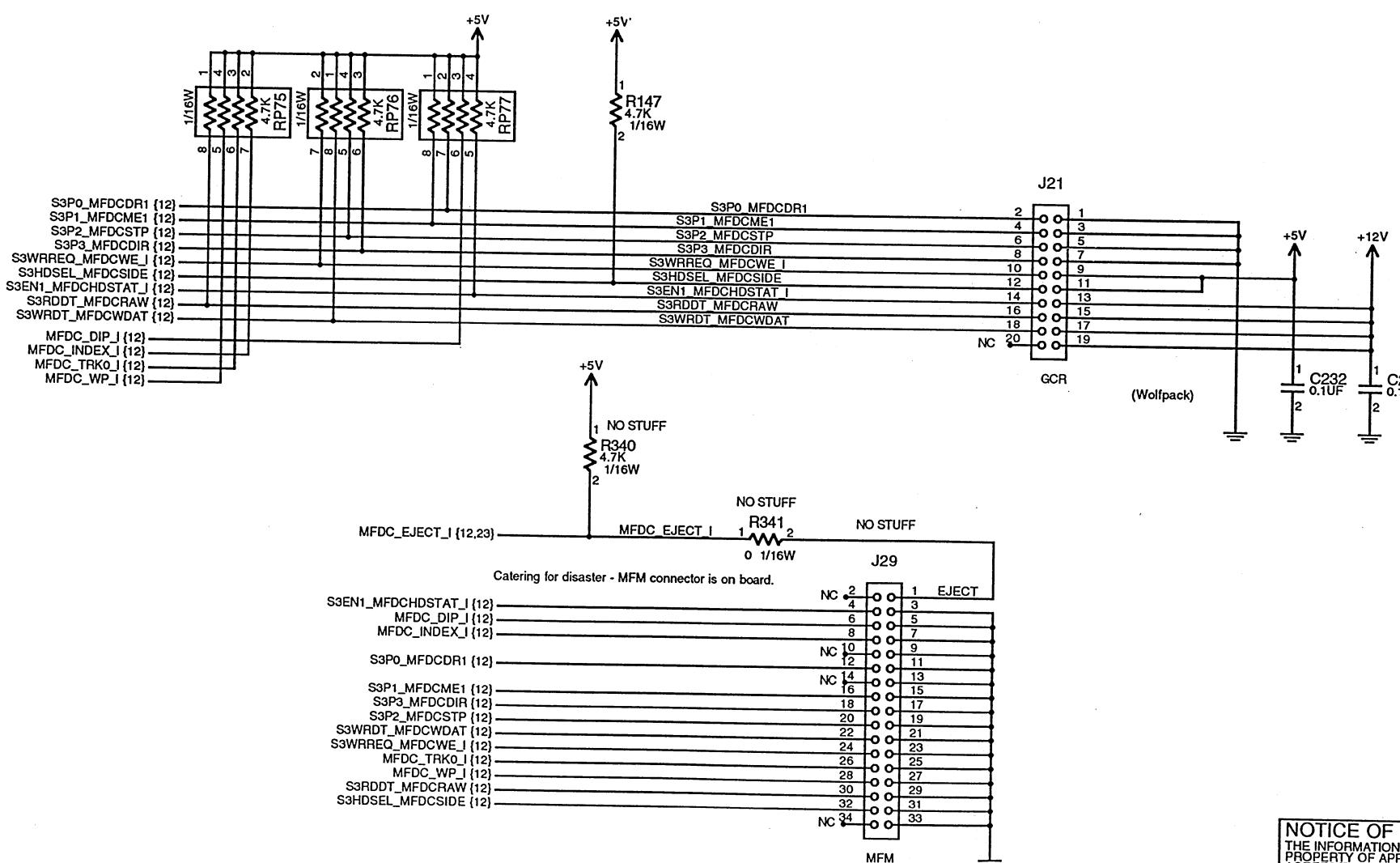
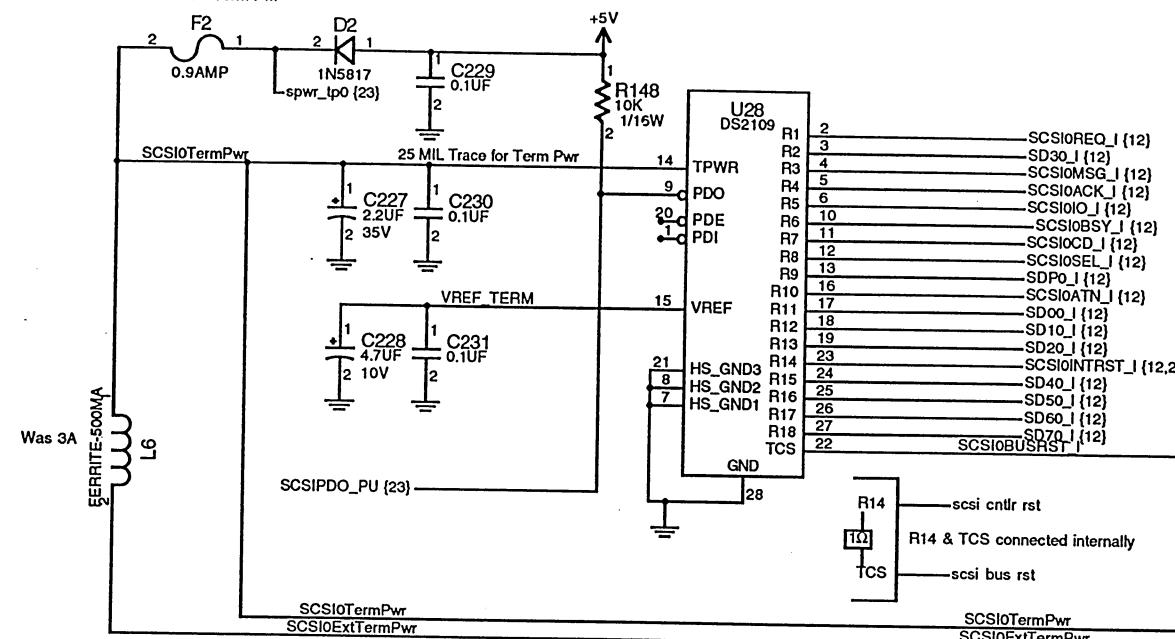
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25 MIL Trace for Term Pw



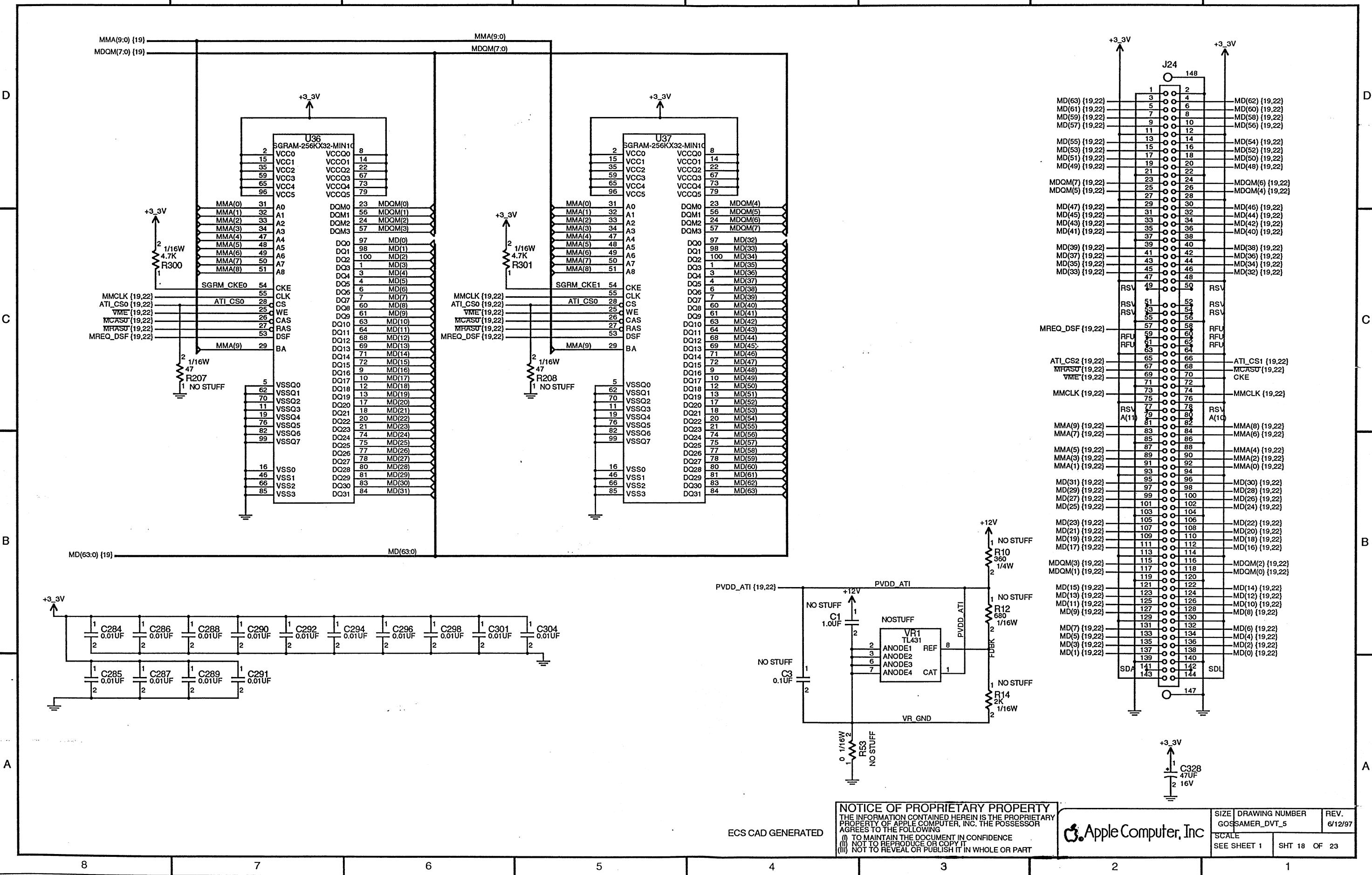
SCSI & Floppy connectors

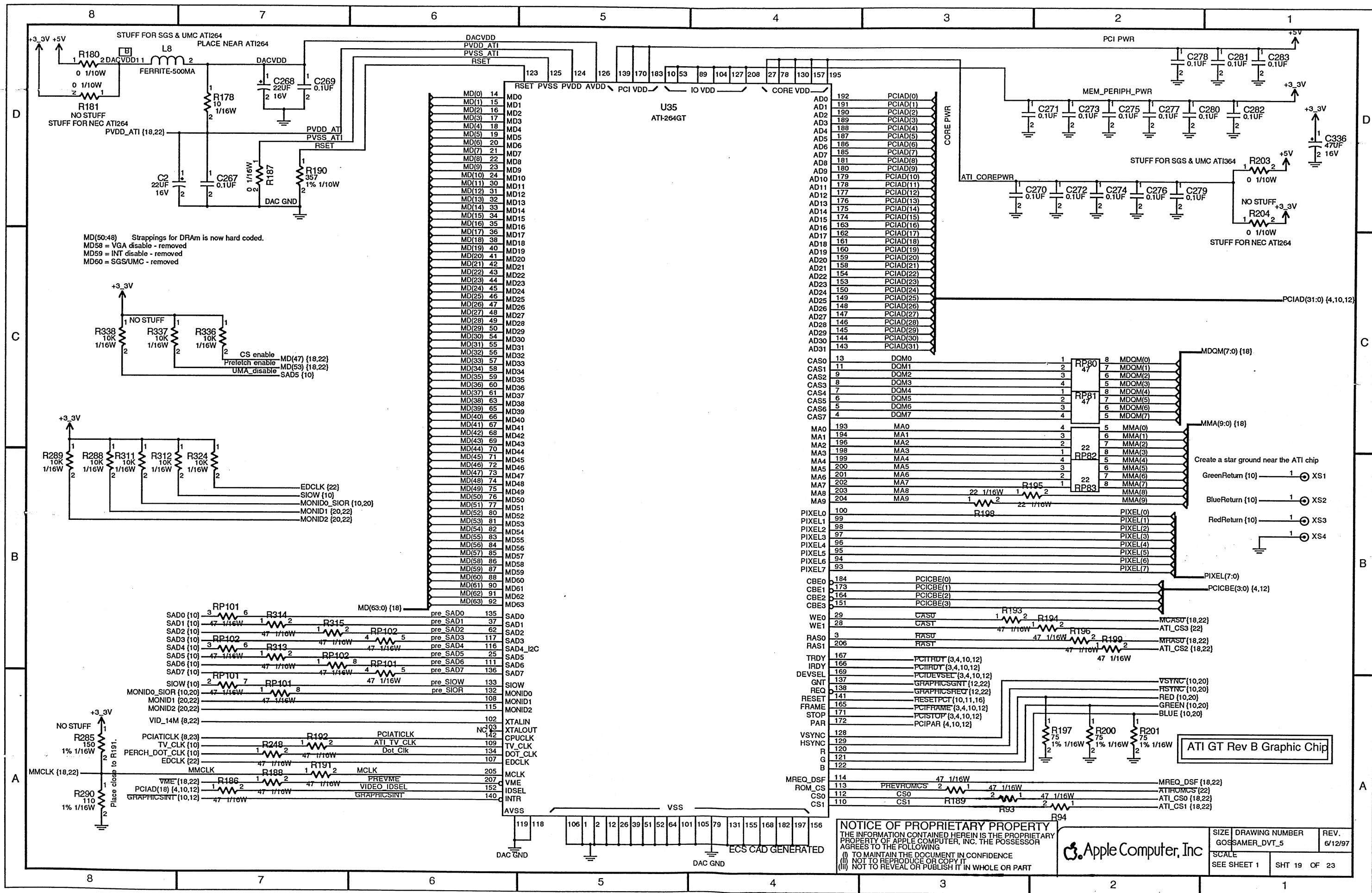
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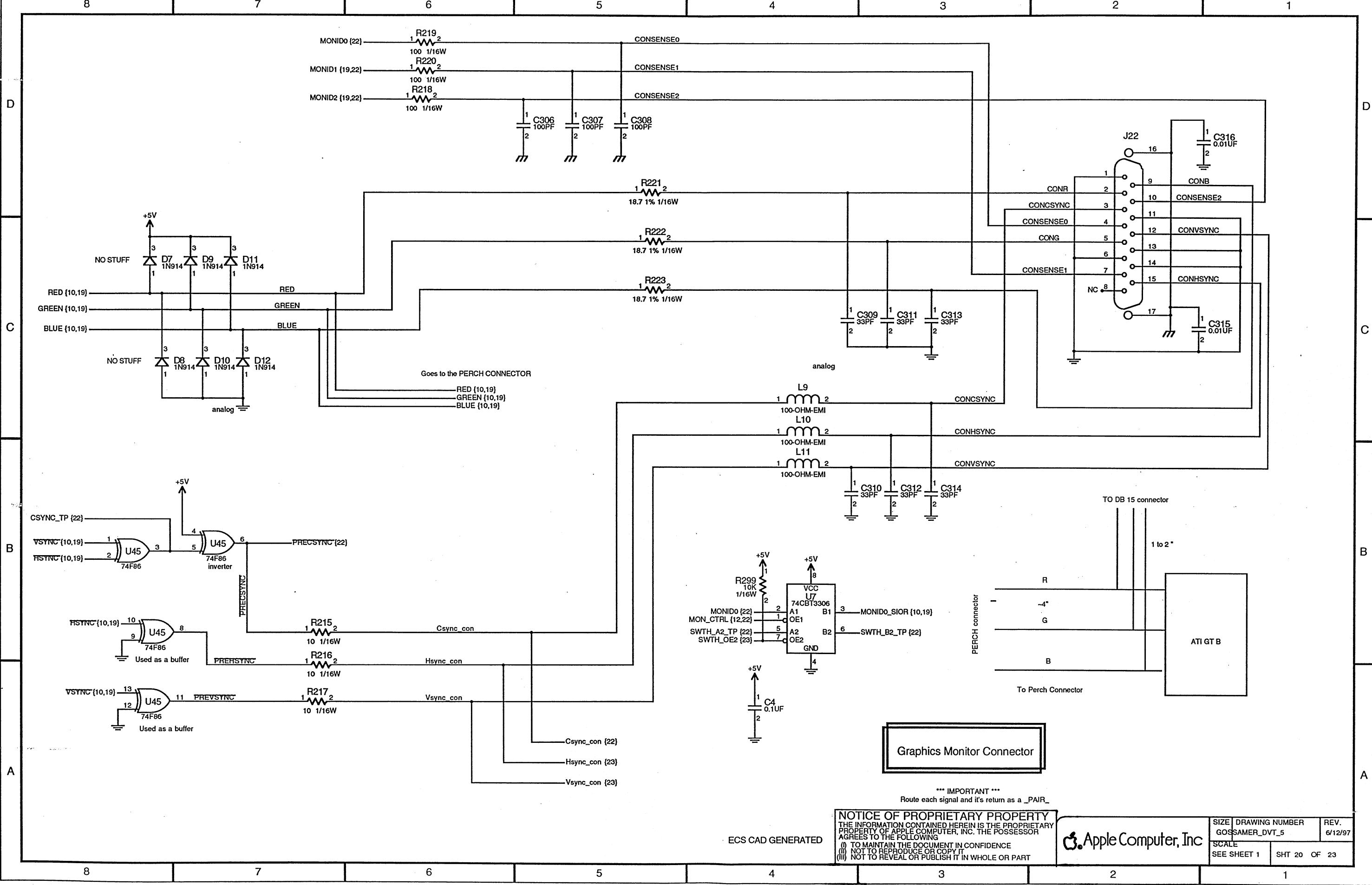
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SCALE		
SEE SHEET 1	SHT 17	OF 23







REFERENCE DESIGNATIONS		LAST USED	NOT USED
LAST USED	NOT USED		
BT1			
C370	C74 C76 C78 C80 C82 C84 C86 C88-98 C101-107 C109 C111-113 C118-120 C125-127 C132-162 C175 C185 C187 C202-203 C226 C232-237 C265 C293 C295 C297 C299-300 C302-303 C305 C317-327 C329 C333 C335 C337-339 C342 C346-350 C352-354 C362-363	TP626 TP39-40 TP42-45 TP85 TP87 TP89 TP93-94 TP101 TP106-107 TP251-254 TP256 TP271-279 TP283 TP286-288 TP300 TP307-317 TP321-340 TP351-360 TP362 TP364-369 TP389 TP404 TP408 TP419 TP434 TP436 TP439 TP459-465 TP470-472 TP477-482 TP500-507 TP509-514 TP517 TP520-545 TP533-557 TP559-561 TP563-565 TP576 TP580 TP582-592 TP598 TP600-608 TP614-615	
D12	D1		
F4	F1		
J30	J21 J29		
L19	L3-5 L7 L12-13		
Q4			
R327	R17 R21 R25 R27 R46 R48 R69-71 R90 R105 R107 R109 R128 R142 R145 R167 R211-214 R224-230 R233-235 R247 R250-251 R253 R256-265 R267 R269-270 R272 R274 R277-281 R283 R286-287 R292-293 R298 R316-319 R323 R325		
RP106	RP43 RP60-62 RP64-68 RP70-72 RP84 RP88 RP90-93		
S2			
T1			
	TP20-27		

PART NUMBER	QTY	DESCRIPTION	ASSOCIATED REFERENCE DESIGNATORS
333-0136	1	3.3V EDO DRAM 16 MB	J5
333-0240	1	3.3V SDRAM 8 MB	J5
333-0241	1	3.3V SDRAM 16 MB	J5
333-0242	1	3.3V SDRAM 16 MB	J5
333-0244	1	3.3V SDRAM 32 MB	J5
333-0245	1	3.3V SDRAM 32 MB	J5
333-0246	1	3.3V SDRAM 64 MB	J5
333-0247	1	3.3V SDRAM 64 MB	J5

NET NAME	NET WIDTH	VOLTAGE LEVEL	FREQUENCY	NET SHIELD
(MILS)	OPTIONAL	MHz		

PLANES				
+5V	25	5		
GND	25	0		
CHASSIS	25	0		
+3_3V	25	3.3		

OTHER SUPPLY VOLTAGES				
+12V	25	12		
Trickle5V	25	5		
MINUS12V	25	12		
conn12V	25	12		
Vcore	25	2.5		

SERIAL PORT				
SerialMinus5V	25	-5		
SerialMinus12V	25	-12		
SCC_5V	25	5		

Processor				
PROC_AVDD	25	2.5		
GRKL_AVDD	25	3.3		
CLK_3_3_A	25	3.3		
SYS_CLK_VDD	25	3.3		
ATHEN_AVDD	15	5		
A5v	15	5		
ROM_12V	25	12		
ATHEN_VDD	15	5		
SCSI				

SCSI0ExtTermPwr	25	5		
SCSI0TermPwr	25	5		
spwr_tp0	25	5		

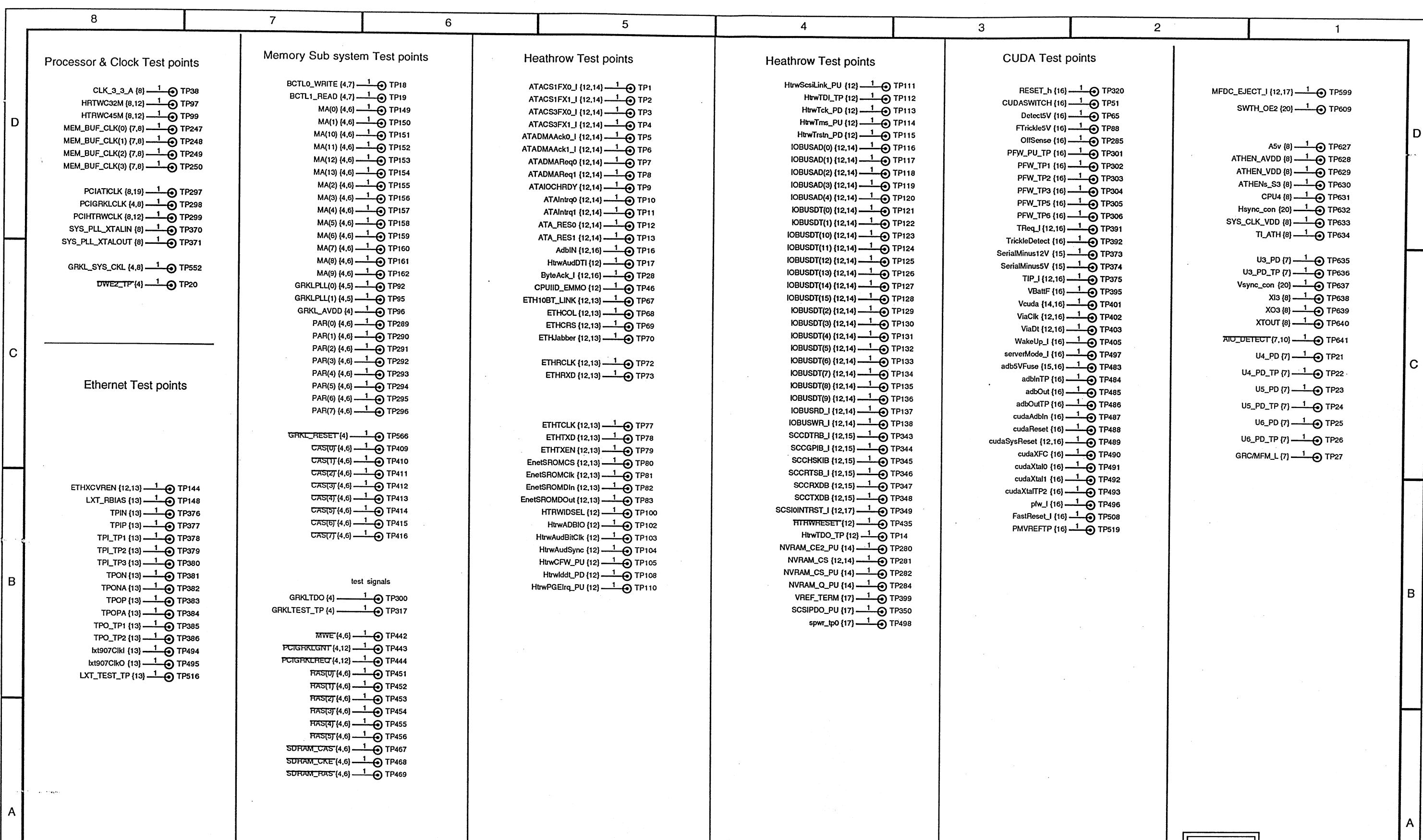
AUDIO				
Screamer_GND	25	0		
CUDA - pg 16				
Vcuda	25	5		
VBattF	25	5		
VBatt	25	5		

ADB - pg 16				
adb5VFuse	25	5		
adb5V	25	5		

GRAPHICS - pg 18				
DACVDD	25	5		
DACVDD1	25	5		
ATL_COREPWR	25	5		
PVDD_ATI	25	5		
RSET	25	5		
PVSS_ATI	25	0		
VR_GND	25	0		

REFERENCE DESIGNATOR LOCATIONS

BT1 16-C7	C122 9-B6	C259 16-C1		R49 5-B2	R150 3-C3	R275 10-D4	RP56 14-B7
C1 18-B4	C123 9-A6	C260 16-A2	J1 5-D7	R50 5-B2	R151 16-B7	RP57 12-B1	
C2 18-A4	C124 9-A6	C261 16-D1	J2 7-D2	R51 5-B2	R152 16-C8	RP58 12-B1	
C3 18-A4	C128 9-B1	C262 16-C2	J3 9-A7	R52 5-B2	R153 16-C8	RP59 14-B7	
C4 20-A4	C129 9-B1	C263 16-A1	J4 9-A4	R53 18-A4	R154 16-B7	RP60 10-B4	
C5 7-C1	C131 9-A1	C264 16-A1	J5 9-A2	R54 10-C4	R155 16-D4	RP61 12-B7	
C6 7-A5	C163 11-A6	C267 19-D7	J6 11-B7	R55 4-B1	R156 16-C6	RP62 13-B7	
C7 4-D1	C164 11-A6	C268 19-D7	J7 11-B5	R56 10-C5	R157 16-D5	RP63 13-C5	
C8 10-A5	C165 11-A5	C269 19-D7	J8 11-B2	R57 4-B1	R158 16-D7	RP64 17-B8	
C9 10-A5	C166 11-A5	C270 19-D3	J9 14-D5	R58 4-B1	R159 16-D7	RP65 17-B7	
C10 10-A5	C167 11-A5	C271 19-D3	J10 14-B5	R59 7-C7	R160 16-D6	RP66 16-C4	
C11 8-D7	C168 11-A5	C272 19-D2	J11 13-B1	R60 7-A3	R161 14-A8	RP67 7-A7	
C12 8-D7	C169 11-A3	C273 19-D2	J12 15-C7	R61 7-A3	R162 16-A5	RP68 16-C2	
C13 8-D6	C170 11-A3	C274 19-D2	J13 15-C4	R62 7-C4	R163 16-C7	RP69 19-C2	
C14 8-D6	C171 11-A3	C275 19-D2	J14 3-D6	R63 8-C4	R164 16-C4	RP70 19-C2	
C15 8-D5	C172 11-A2	C276 19-D2	J15 17-C2	R64 10-D4	R165 16-A4	RP71 19-B2	
C16 8-D5	C173 11-A2	C277 19-D2	J16 5-B3	R65 8-C4	R166 16-A4	RP72 19-B2	
C17 2-D6	C174 11-A2	C278 19-D2	J17 16-A8	R66 2-B2	R168 16-B3	RP73 19-C2	
C18 2-D3	C176 11-A1	C279 19-D2	J19 16-A2	R67 7-C6	R169 16-C3	RP74 6-B6	
C19 2-D3	C177 12-D7	C280 19-D2	J20 3-C5	R68 6-C7	R170 16-B2	RP75 6-B6	
C20 2-D3	C178 12-D7	C281 19-D1	J22 20-C2	R69 8-C4	R171 19-B7	RP76 10-B4	
C21 2-D3	C179 12-D7	C282 19-D1	J23 10-D6	R70 8-B4	R172 3-C5	RP77 10-B4	
C22 2-C3	C180 12-D7	C283 19-D1	J24 18-A2	R71 8-B4	R173 14-D4	RP78 10-B4	
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C24 2-B3	C182 12-D6	C285 18-A8	J26 3-C5	R73 8-B4	R175 14-D3	RP80 10-B4	
C25 2-C3	C183 12-D6	C286 18-B8	J27 17-B2	R74 8-A5	R176 14-D2	RP81 10-B4	
C26 2-D3	C184 12-D6	C287 18-A8	J28 17-A5	R75 8-A5	R177 19-C8	RP82 19-B2	
C27 2-C3	C186 14-A5	C288 18-B7	J29 3-B5	R76 8-A5	R178 19-D7	RP83 19-B2	
C28 2-B3	C188 14-A6	C289 18-A7	L1 8-C7	R77 8-B4	R179 19-C8	RP84 10-B4	
C29 2-C2	C189 13-D8	C290 18-B7	L2 8-D3	R78 8-B4	R180 19-D8	RP85 10-B4	
C30 2-D2	C190 13-D7	C291 18-A7	L3 17-C7	R79 8-B4	R181 19-D8	RP86 6-B6	
C31 2-C2	C191 13-A7	C292 18-B7	L4 19-D8	R80 8-B4	R182 19-C8	RP87 6-B6	
C32 2-B2	C192 13-D5	C294 18-B7	L5 20-C4	R81 8-B4	R183 19-D8	RP88 6-B6	
C33 2-C2	C193 13-D5	C296 18-B6	L6 19-A3	R82 8-B4	R184 19-C7	RP89 10-B4	
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C35 2-C2	C195 13-B3	C301 18-B6	L8 19-B7	R84 8-B4	R186 19-A7	RP91 19-A7	
C36 2-A3	C196 13-C3	C304 18-B5	L9 20-C4	R85 8-B4	R187 19-D7	RP92 19-B7	
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C52 5-C5	C214 15-C4	C334 2-B2	R6 2-B3	R101 5-D1	R203 19-D1	RP108 14-C4	
C53 5-C5	C215 15-A4	C336 19-D1	R7 2-D2	R102 5-D1	R204 19-D1	RP109 14-C4	
C54 5-C5	C216 15-C3	C340 8-A8	R8 16-C6	R103 5-D2	R205 3-A7	RP110 14-C4	
C55 8-D5	C217 15-A3	C341 8-A8	R9 3-B8	R104 5-D2	R206 18-C8	RP111 14-C4	
C56 8-D4	C218 15-C3	C343 2-C2	R10 18-B3	R105 5-D1	R207 18-C7	RP112 14-C4	
C57 8-D6	C219 15-A3	C344 2-C1	R11 5-A7	R106 5-D1	R208 18-C5	RP113 14-C4	
C58 8-C7	C220 15-C3	C345 2-C1	R12 18-B3	R107 5-D1	R209 19-D8	RP114 14-C4	
C59 8-C8	C221 15-A3	C351 14-A6	R13 5-D5	R108 5-D1	R210 19-B7	RP115 14-C4	
C60 8-C8	C222 15-C3	C355 8-B7	R14 18-A3	R109 5-D5	R211 19-B7	RP116 14-C4	
C61 4-C1	C223 15-A3	C356 8-B7	R15 5-D5	R110 11-C6	R212 19-B7	RP117 14-C4	
C62 4-C1	C224 15-C2	C357 8-B8	R16 5-B3	R111 11-C6	R213 19-B7	RP118 14-C4	
C63 4-D2	C225 15-A2	C358 8-B7	R17 5-D3	R112 11-C1	R214 20-D6	RP119 14-C4	
C64 4-D2	C227 17-D6	C359 8-B7	R18 5-D3	R113 11-C1	R215 20-D6	RP120 14-C4	
C65 4-D2	C228 17-D6	C360 8-B7	R19 5-D3	R114 11-C1	R216 20-D6	RP121 14-C4	
C66 4-C2	C229 17-D6	C361 8-B6	R20 5-B4	R115 3-B1	R217 19-B7	RP122 14-C4	
C67 4-D1	C230 17-D6	C364 15-C8	R21 5-D3	R116 3-B1	R218 19-B7	RP123 14-C4	
C68 4-C1	C231 17-D6	C365 15-C7	R22 5-D3	R117 11-A4	R219 20-A7	RP124 14-C4	
C69 4-D1	C238 17-C2	C366 15-C7	R23 5-B4	R118 11-A4	R220 20-A7	RP125 14-C4	
C70 4-C1	C239 17-A2	C367 8-B7	R24 5-B4	R119 11-A4	R221 20-D5	RP126 14-C4	
C71 4-D1	C240 16-C8	C368 12-B2	R25 10-D4	R120 14-A7	R222 20-C5	RP127 14-C4	
C72 4-C1	C241 16-B7	C369 11-A4	R26 10-D4	R121 14-A7	R223 14-B7	RP128 14-C4	
C73 7-A7	C242 16-C7	C370 11-A6	R27 10-D4	R122 14-A5	R224 14-B7	RP129 14-C4	
C75 7-D6	C243 16-B7	D2 17-D6	R28 4-D2	R123 8-D5	R225 14-B7	RP130 14-C4	
C77 7-A6	C244 16-C5	D3 16-D4	R29 4-D2	R124 14-A7	R226 14-B7	RP131 14-C4	
C79 7-D5	C245 16-C6	D4 16-D5	R30 4-D2	R1			



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