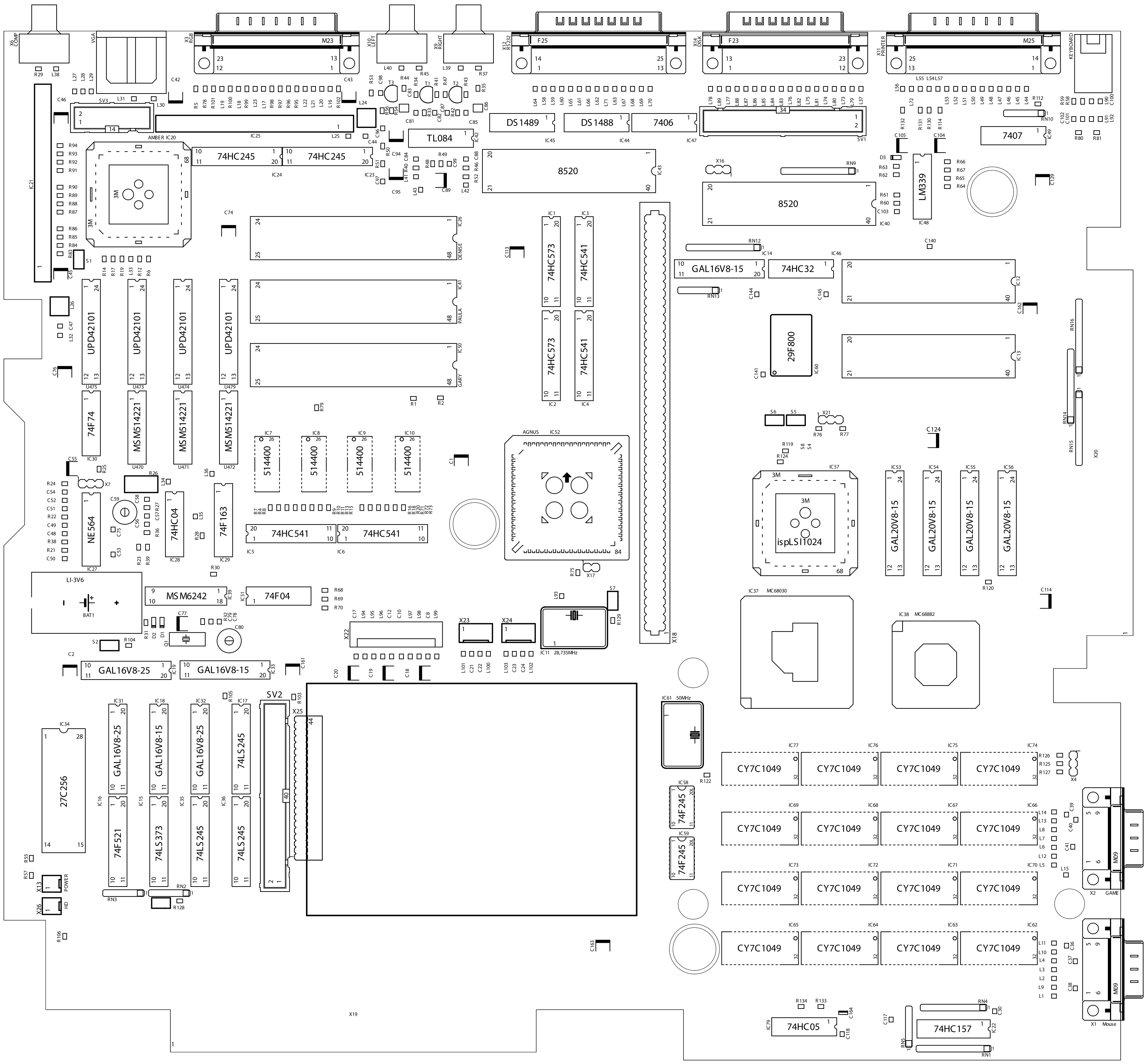
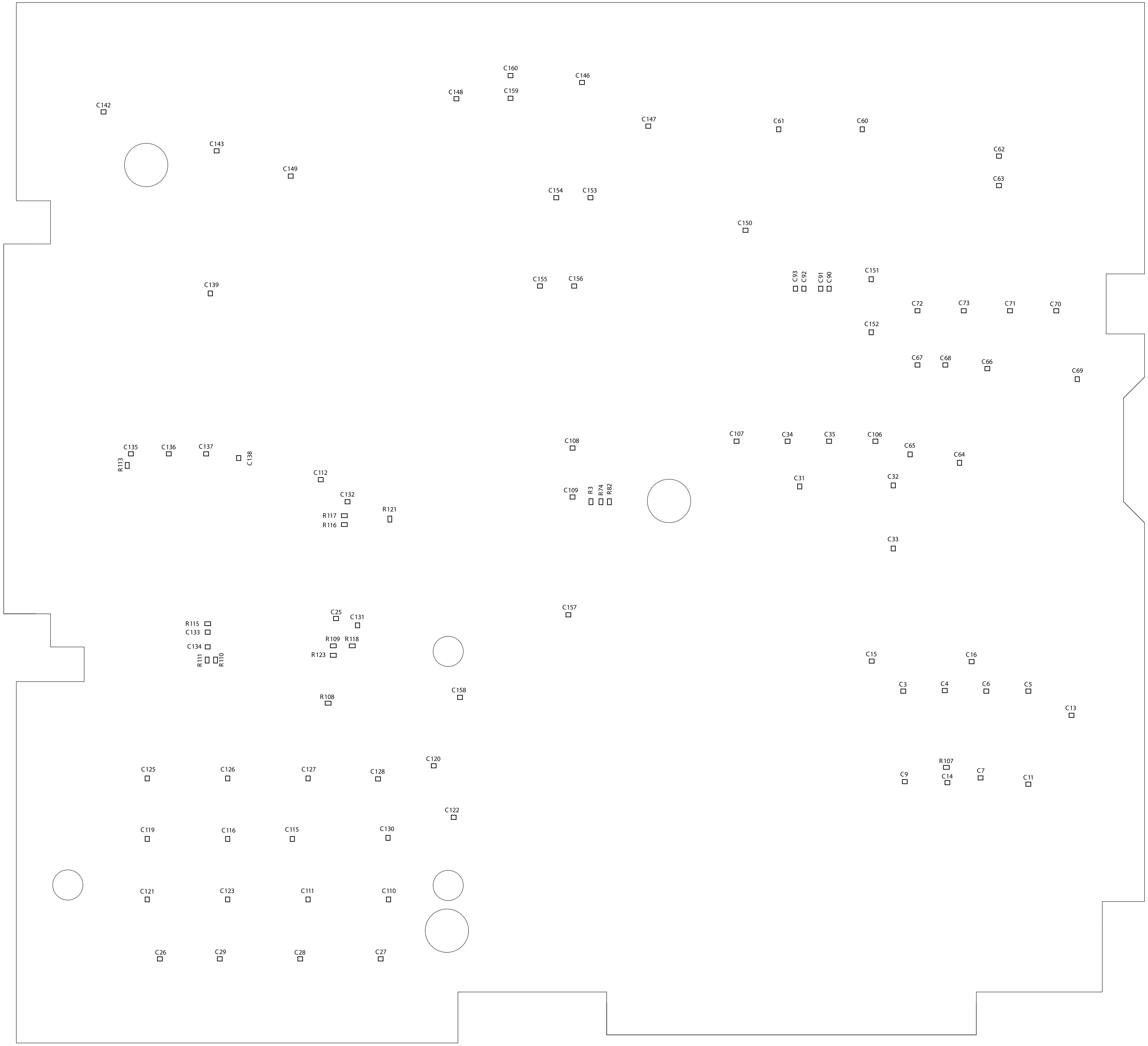
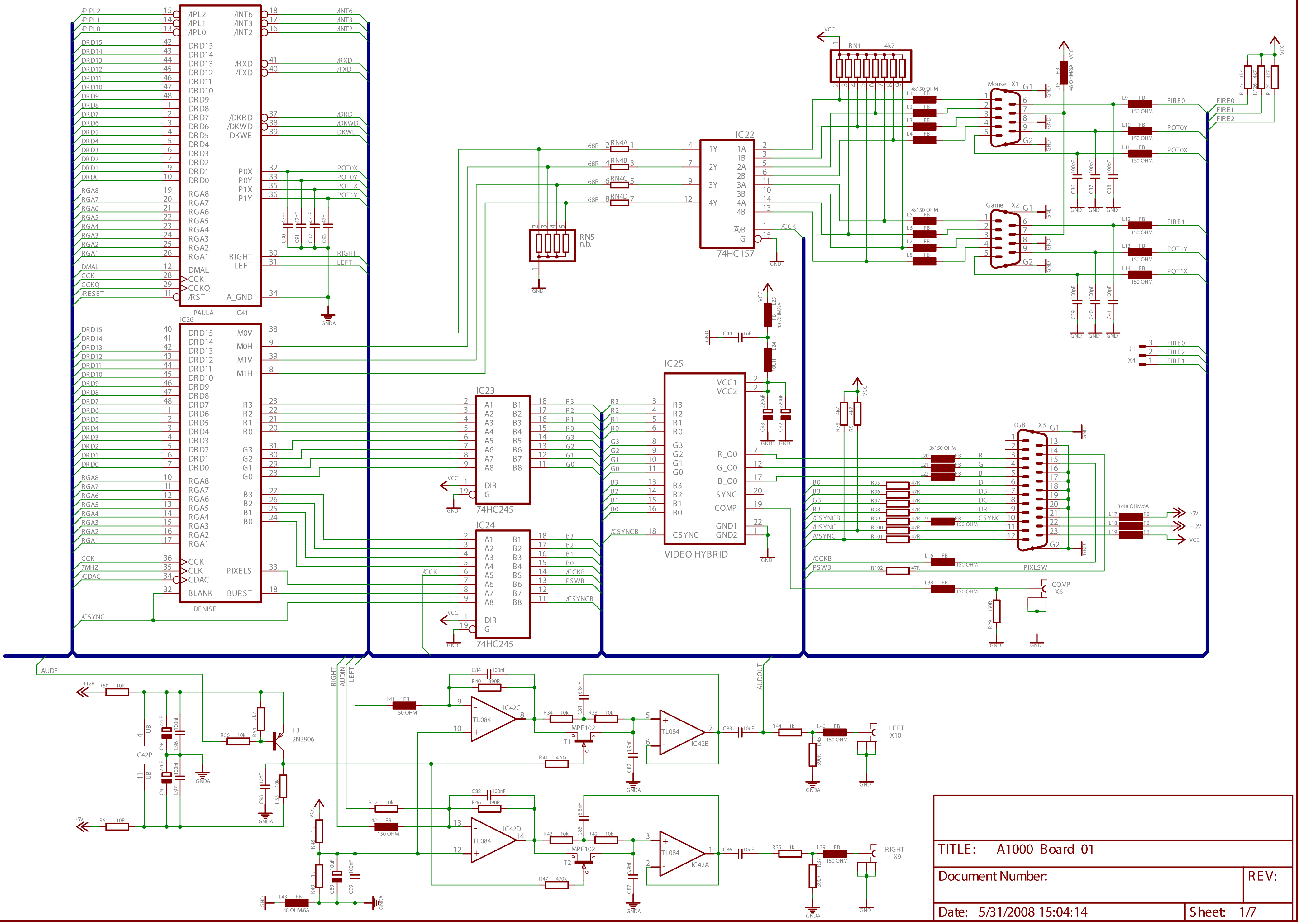


X6 COMP
VGA
X3 RGB
M23
X10 LEFT
X9 RIGHT
X12 RS232
F25
X14 DSK
F23
X11 PRINTER
M25
KEYBOARD
SV3
AMBER IC20
IC25
74HC245
74HC245
IC24
TL084
DS1489
DS1488
7406
SV1
7407
8520
8520
LM339
IC21
3M
DENISE
PAULA
GARY
74HC573
74HC541
74HC573
74HC541
GAL16V8-15
74HC32
29F800
UPD42101
UPD42101
UPD42101
UPD42101
74F74
MSM514221
MSM514221
MSM514221
514400
514400
514400
514400
AGNUS
NE564
74HC04
74F163
74HC541
74HC541
3M
ispLSI1024
GAL20V8-15
GAL20V8-15
GAL20V8-15
GAL20V8-15
LI-3V6
BAT1
MSM6242
74F04
X23
X24
IC11 28,735MHz
X18
MC68030
MC68882
GAL16V8-25
GAL16V8-15
27C256
GAL16V8-25
GAL16V8-15
GAL16V8-25
74LS245
74F521
74LS373
74LS245
74LS245
SV2
X25
IC61 50MHz
74F245
74F245
CY7C1049
X4
GAME
X2
M09
Mouse
X1
X13 POWER
X26 HD
X19
74HC05
74HC157
RN1
RN4


C160
C146
C148
C159
C142
C147
C61
C60
C143
C62
C149
C154
C153
C63
C150
C93
C92
C91
C90
C151
C139
C155
C156
C72
C73
C71
C70
C152
C67
C68
C66
C69
C135
C136
C137
C138
R113
C108
C107
C34
C35
C106
C65
C64
C112
C31
C32
C132
C109
R3
R74
R82
R121
R117
R116
C33
C157
C25
C131
R115
C133
R109
R118
C134
R123
R111
R110
C15
C16
C3
C4
C6
C5
C158
R108
C13
C120
R107
C125
C126
C127
C128
C7
C9
C14
C11
C122
C119
C116
C115
C130
C121
C123
C111
C110
C26
C29
C28
C27


PAULA
IC41
DENISE
IC26
IC23
74HC245
IC24
74HC245
IC22
74HC157
IC25
VIDEO HYBRID
RN1 4k7
RN5 n.b.
Mouse X1
Game X2
RGB X3
J1
X4
COMP X6
IC42C TL084
IC42B TL084
IC42D TL084
IC42A TL084
IC42P
T1 MPF102
T2 MPF102
T3 2N3906
LEFT X10
RIGHT X9
AUDF
AUDIN
AUDOUT
RIGHT
LEFT
FIRE0
FIRE1
FIRE2
POT0Y
POT0X
POT1Y
POT1X
/CSYNC
PIXLSW
VCC
GND
GNDA
+12V
-5V

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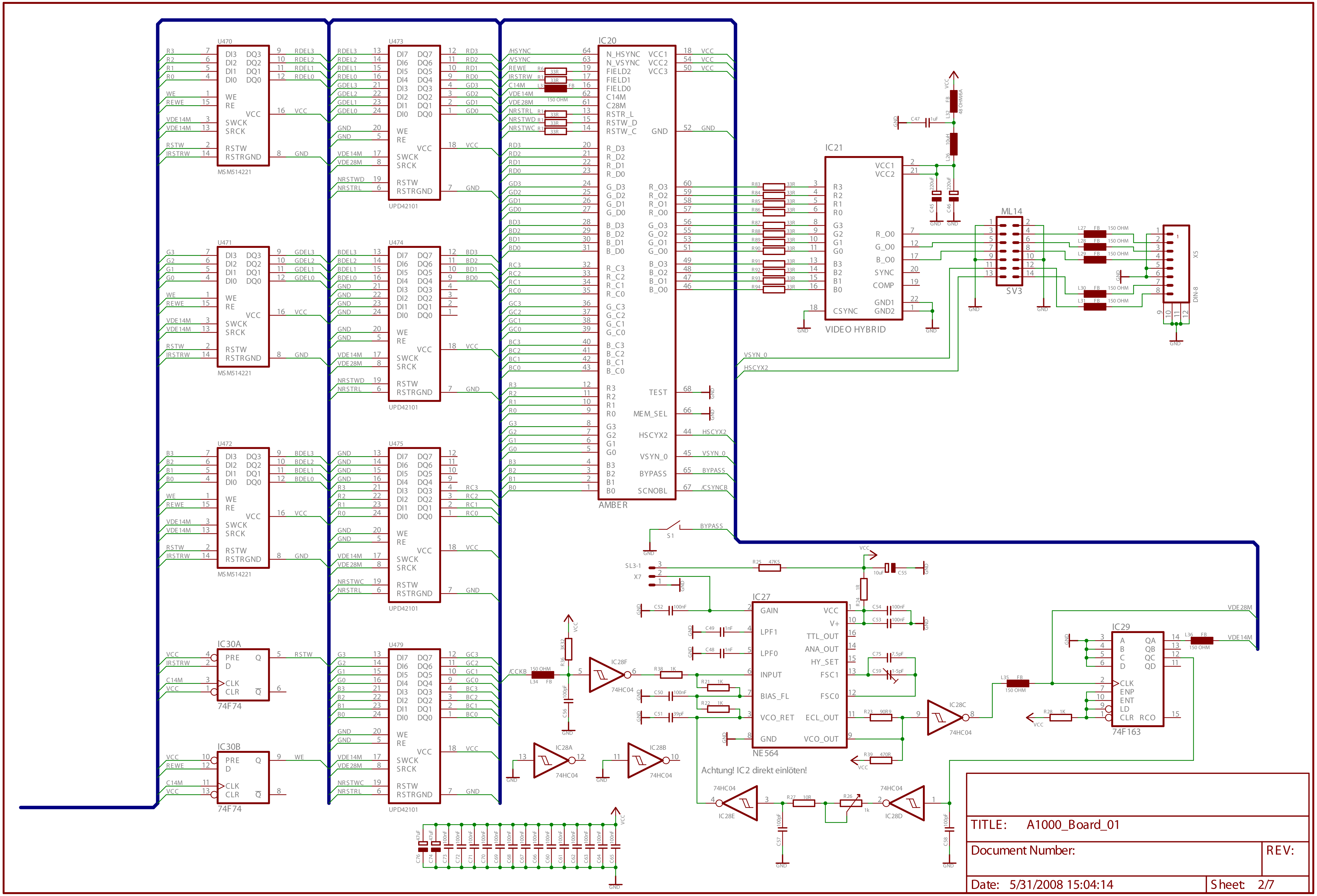
U470
MSM514221
U471
MSM514221
U472
MSM514221
U473
UPD42101
U474
UPD42101
U475
UPD42101
U479
UPD42101
IC30A
74F74
IC30B
74F74
IC20
AMBER
N_HSYNC
N_VSYNC
FIELD2
FIELD1
FIELD0
C14M
C28M
RSTR_L
RSTW_D
RSTW_C
VCC1
VCC2
VCC3
GND
TEST
MEM_SEL
HSCYX2
VSYN_0
BYPASS
SCNOBL
IC21
VIDEO HYBRID
VCC1
VCC2
CSYNC
GND1
GND2
SYNC
COMP
R_O0
G_O0
B_O0
ML14
SV3
X5
DIN-8
S1
BYPASS
SL3-1
X7
IC27
NE564
GAIN
LPF1
LPF0
INPUT
BIAS_FL
VCO_RET
VCC
V+
TTL_OUT
ANA_OUT
HY_SET
FSC1
FSC0
ECL_OUT
VCO_OUT
IC28A
IC28B
IC28C
IC28D
IC28E
IC28F
74HC04
IC29
74F163
A
B
C
D
QA
QB
QC
QD
CLK
ENP
ENT
LD
CLR
RCO
VDE28M
VDE14M
/CCKB
150 OHM
FB
VCC
GND

Achtung! IC2 direkt einlöten!

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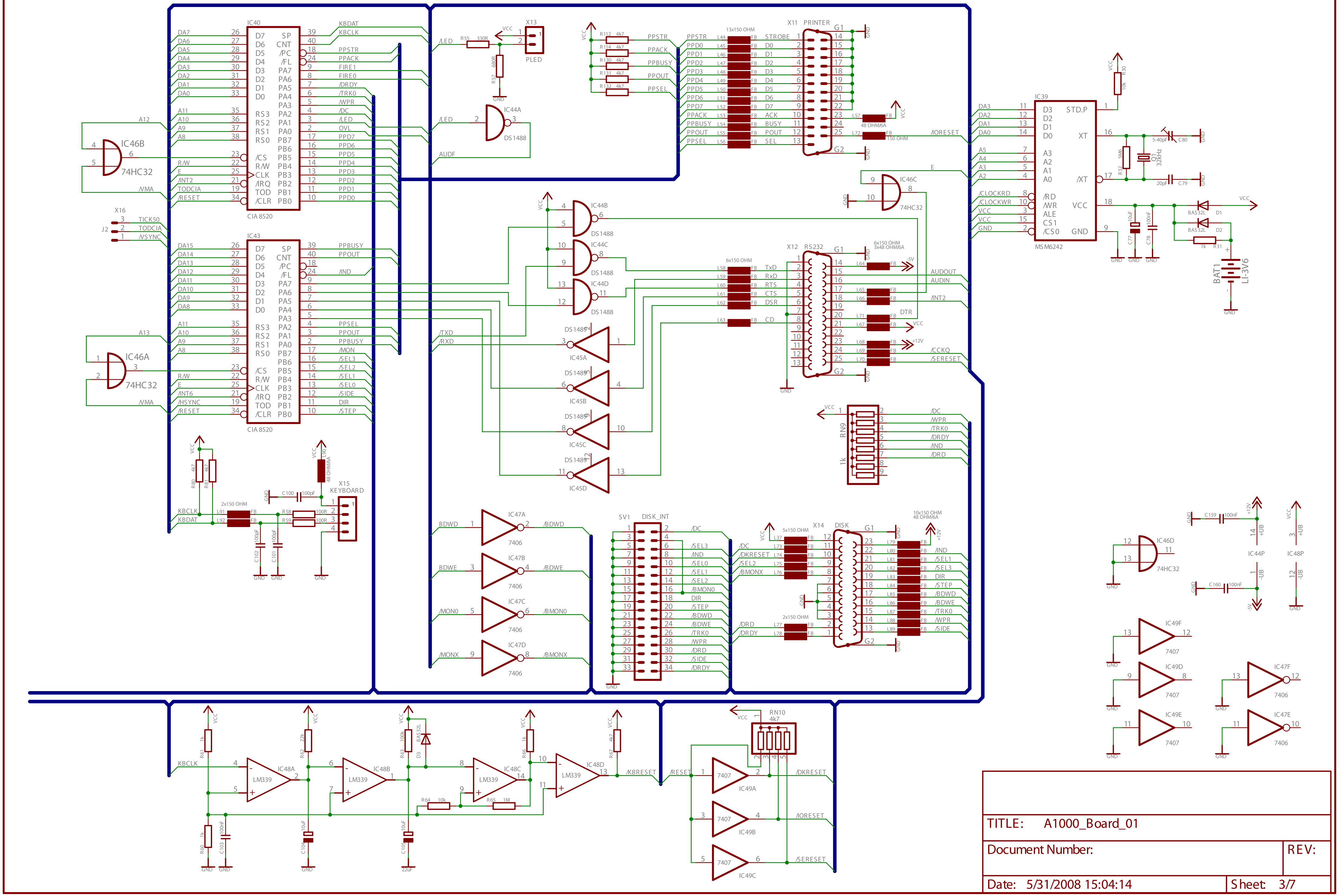
IC40
CIA 8520
IC43
CIA 8520
IC46B
74HC32
IC46A
74HC32
X16
J2
TICK50
TODCIA
/VSYNC
X13
PLED
R55 330R
R57 680R
IC44A
DS1488
/LED
AUDF
X11 PRINTER
13x150 OHM
R112 4k7
R114 4k7
R130 4k7
R131 4k7
R132 4k7
PPSTR
PPACK
PPBUSY
PPOUT
PPSEL
STROBE
ACK
BUSY
POUT
SEL
48 OHM/6A
150 OHM
/IORESET
IC39
MSM6242
STD.P
XT
/XT
Q1 32kHz
C80 5-40pF
C79 20pF
R32 5M6
R30 10k
BAS32L
D1
D2
R31 1k
BAT1
LI-3V6
C77 10uF
C78 100nF
IC46C
74HC32
IC44B
IC44C
IC44D
DS1488
IC45A
IC45B
IC45C
IC45D
DS1489
X12 RS232
6x150 OHM
6x150 OHM 3x48 OHM/6A
TxD
RxD
RTS
CTS
DSR
CD
DTR
AUDOUT
AUDIN
/INT2
/CCKQ
/SERESET
RN9
1k
/DC
/WPR
/TRK0
/DRDY
/IND
/DRD
X15 KEYBOARD
2x150 OHM
L90 48 OHM/6A
C100 100pF
R58 100R
R59 100R
C102 100pF
C101 100pF
R80 4k7
R81 4k7
KBCLK
KBDAT
IC47A
IC47B
IC47C
IC47D
7406
BDWD
BDWE
/MON0
/MONX
SV1 DISK_INT
X14 DISK
5x150 OHM
2x150 OHM
10x150 OHM 48 OHM/6A
/DKRESET
/SEL2
/BMONX
IC46D
74HC32
IC44P
IC48P
C159 100nF
C160 100nF
IC49F
IC49D
IC49E
7407
IC47F
IC47E
7406
IC48A
IC48B
IC48C
IC48D
LM339
R61 1k
R62 22k
R63 100k
R64 10k
R65 1M
R66 1k
R67 4k7
R60 1k
C103 100nF
C104 10uF
C105 22uF
D3 BAS32L
/KBRESET
RN10 4k7
IC49A
IC49B
IC49C
/RESET
/IORESET
/SERESET

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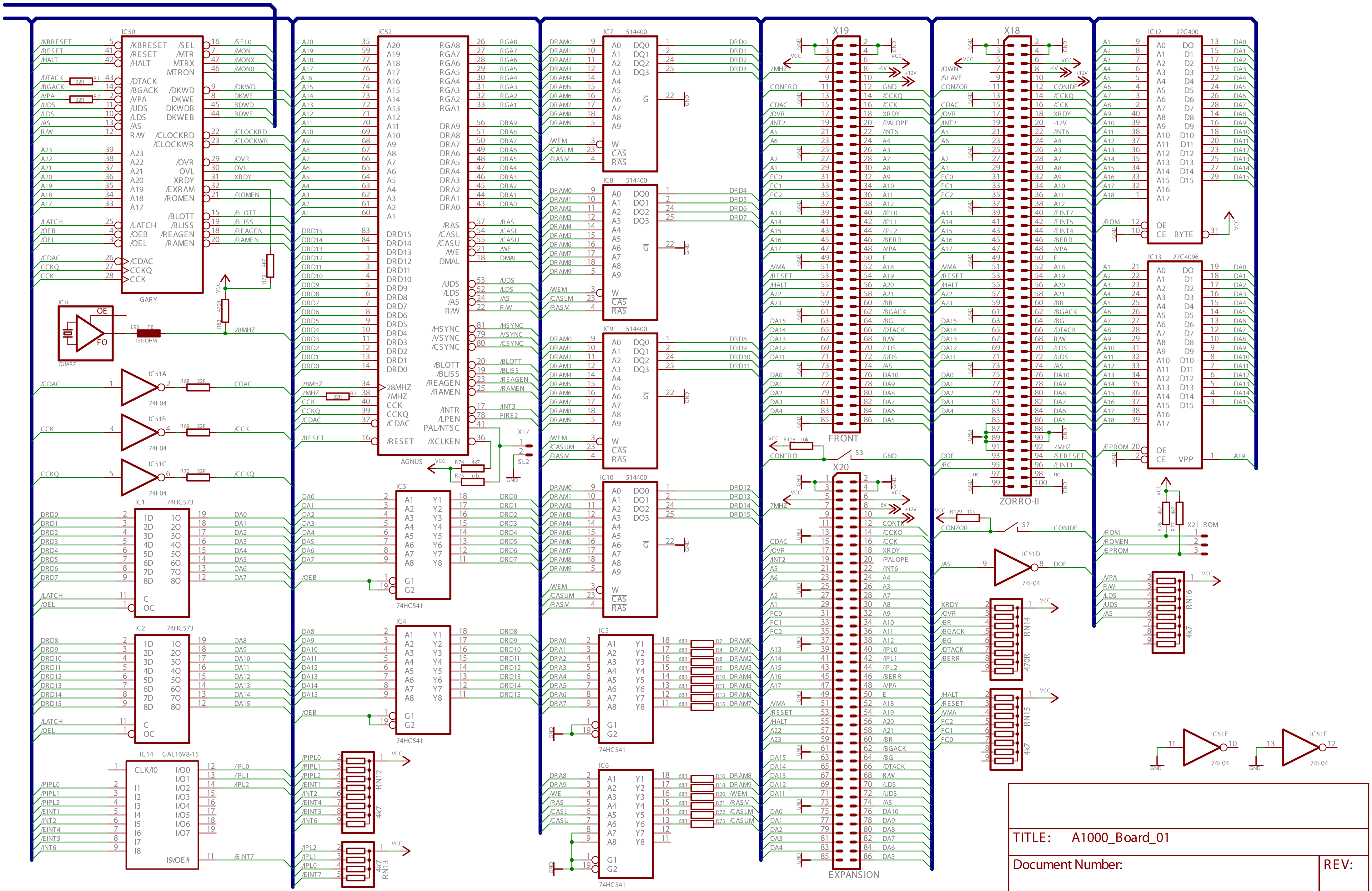
IC50
GARY
IC52
AGNUS
IC11
QUARZ
OE
FO
L93 FB
150 OHM
28MHZ
IC51A
IC51B
IC51C
IC51D
IC51E
IC51F
74F04
IC1 74HC573
IC2 74HC573
IC3
IC4
74HC541
IC5
IC6
74HC541
IC14 GAL16V8-15
RN12
RN13
4k7
IC7 514400
IC8 514400
IC9 514400
IC10 514400
X19
FRONT
X20
EXPANSION
X18
ZORRO-II
S3
S7
CONFRO
CONZOR
RN14
470R
RN15
4k7
IC12 27C400
IC13 27C4096
X21 ROM
RN16
4k7
X17
SL2

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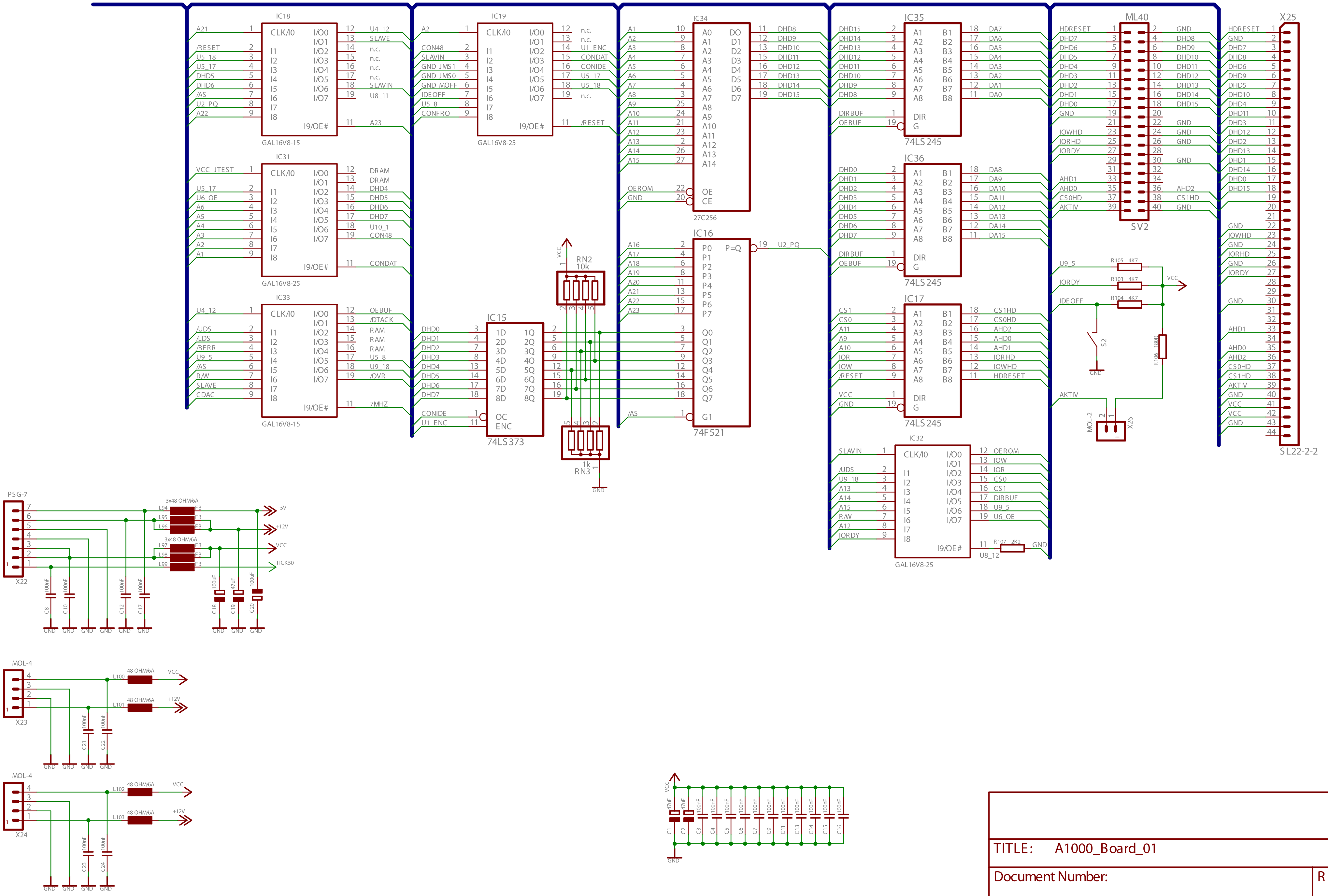
IC18
GAL16V8-15
IC19
GAL16V8-25
IC31
GAL16V8-25
IC33
GAL16V8-15
IC34
27C256
IC16
74F521
P=Q
IC15
74LS373
IC35
74LS245
IC36
74LS245
IC17
74LS245
IC32
GAL16V8-25
ML40
SV2
X25
SL22-2-2
RN2
10k
RN3
1k
R105 4K7
R103 4K7
R104 4K7
R106 180R
R107 2K2
S2
MOL-2
X26
PSG-7
X22
3x48 OHM/6A
-5V
+12V
VCC
TICK50
MOL-4
X23
X24
48 OHM/6A
GND

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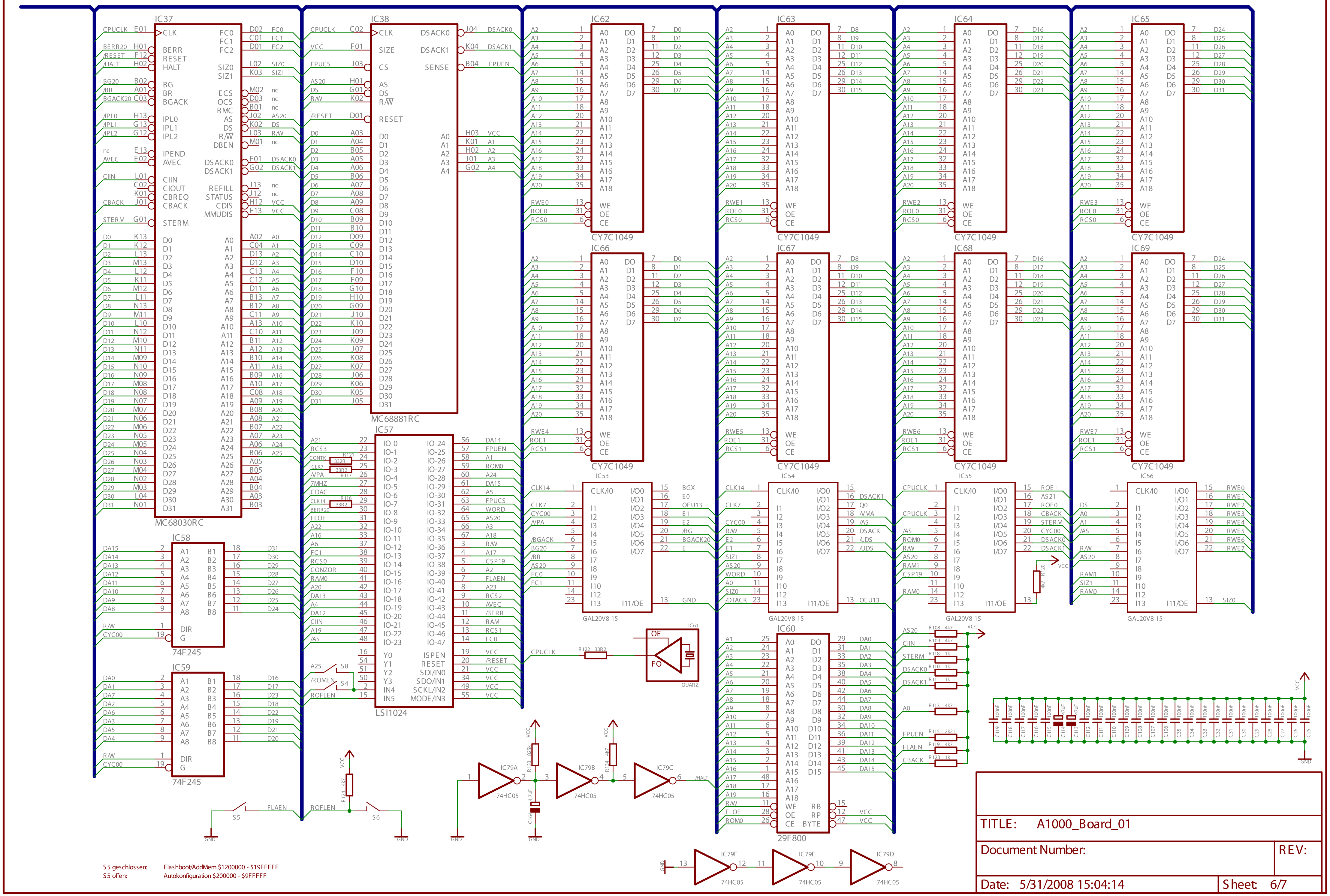
IC37
MC68030RC
IC38
MC68881RC
IC57
LSI1024
IC58
74F245
IC59
74F245
IC62
IC63
IC64
IC65
IC66
IC67
IC68
IC69
CY7C1049
IC53
IC54
IC55
IC56
GAL20V8-15
IC60
29F800
IC61
QUARZ
IC79A
IC79B
IC79C
IC79D
IC79E
IC79F
74HC05
S4
S5
S6
S8
VCC
GND
CPUCLK
FLAEN
ROFLEN
/HALT

S5 geschlossen: Flashboot/AddMem $1200000 - $19FFFFF
S5 offen: Autokonfiguration $200000 - $9FFFFF

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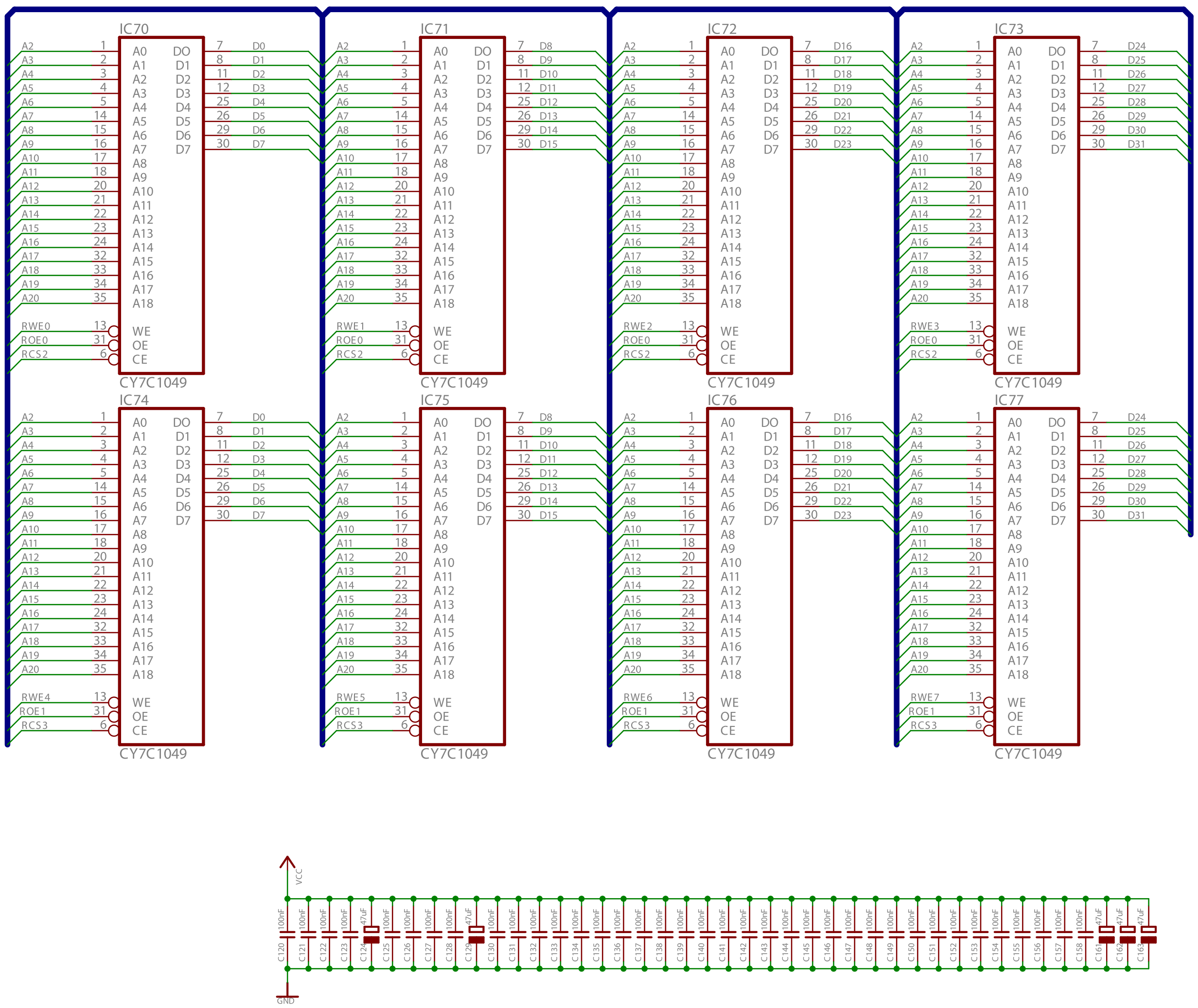
IC70
IC71
IC72
IC73
IC74
IC75
IC76
IC77
CY7C1049
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18
WE
OE
CE
DO D1 D2 D3 D4 D5 D6 D7
A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20
1 2 3 4 5 14 15 16 17 18 20 21 22 23 24 32 33 34 35
13 31 6
7 8 11 12 25 26 29 30
D0 D1 D2 D3 D4 D5 D6 D7
D8 D9 D10 D11 D12 D13 D14 D15
D16 D17 D18 D19 D20 D21 D22 D23
D24 D25 D26 D27 D28 D29 D30 D31
RWE0 ROE0 RCS2
RWE1 ROE0 RCS2
RWE2 ROE0 RCS2
RWE3 ROE0 RCS2
RWE4 ROE1 RCS3
RWE5 ROE1 RCS3
RWE6 ROE1 RCS3
RWE7 ROE1 RCS3
VCC
GND
C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C161 C162 C163
100nF
47uF

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