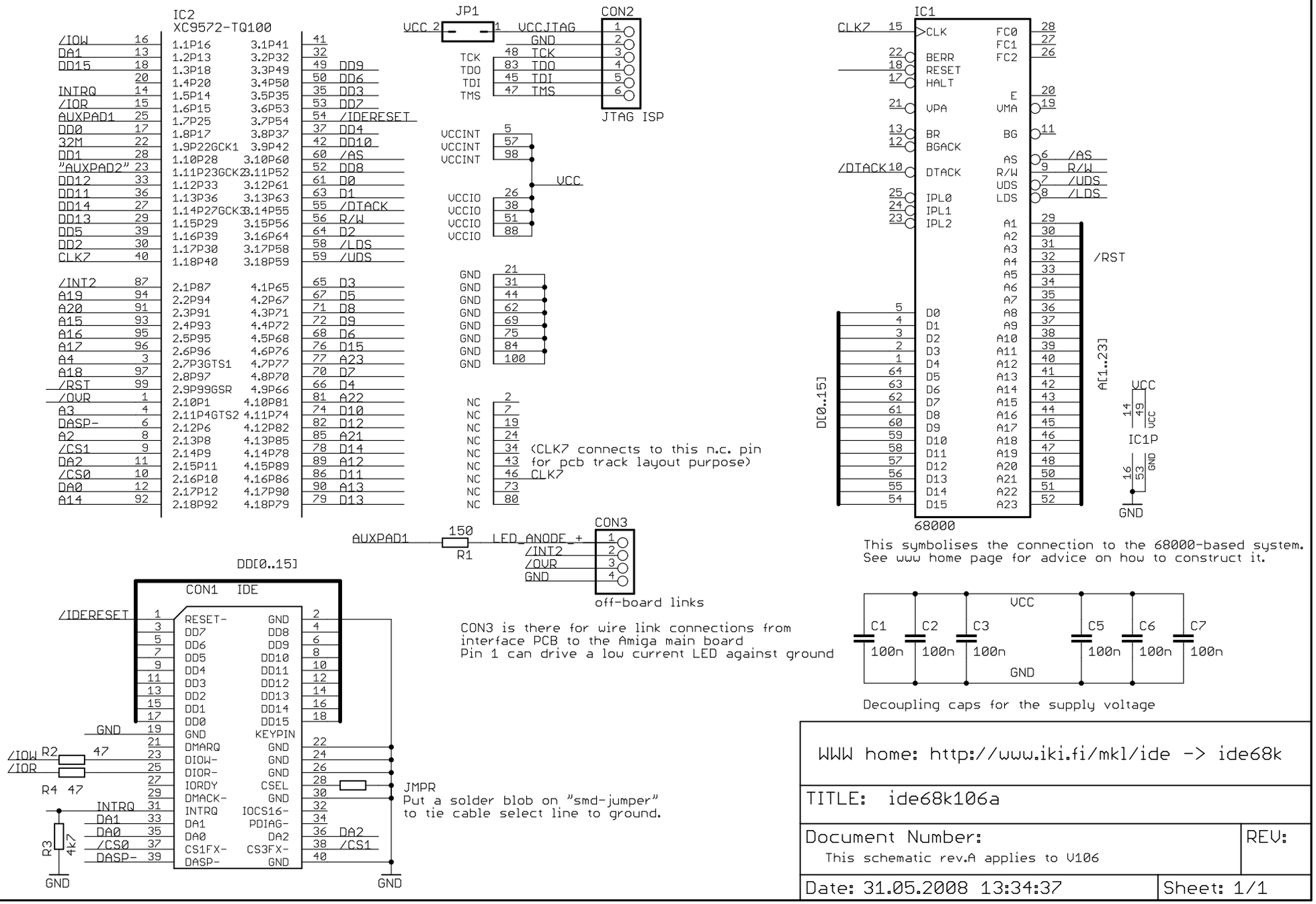
IC2
XC9572-TQ100
/IOW 16
DA1 13
DD15 18
20
INTRQ 14
/IOR 15
AUXPAD1 25
DD0 17
32M 22
DD1 28
"AUXPAD2" 23
DD12 33
DD11 36
DD14 27
DD13 29
DD5 39
DD2 30
CLK7 40
/INT2 87
A19 94
A20 91
A15 93
A16 95
A17 96
A4 3
A18 97
/RST 99
/OVR 1
A3 4
DASP- 6
A2 8
/CS1 9
DA2 11
/CS0 10
DA0 12
A14 92
1.1P16 3.1P41 41
1.2P13 3.2P32 32
1.3P18 3.3P49 49 DD9
1.4P20 3.4P50 50 DD6
1.5P14 3.5P35 35 DD3
1.6P15 3.6P53 53 DD7
1.7P25 3.7P54 54 /IDERESET
1.8P17 3.8P37 37 DD4
1.9P22GCK1 3.9P42 42 DD10
1.10P28 3.10P60 60 /AS
1.11P23GCK2 3.11P52 52 DD8
1.12P33 3.12P61 61 D0
1.13P36 3.13P63 63 D1
1.14P27GCK3 3.14P55 55 /DTACK
1.15P29 3.15P56 56 R/W
1.16P39 3.16P64 64 D2
1.17P30 3.17P58 58 /LDS
1.18P40 3.18P59 59 /UDS
2.1P87 4.1P65 65 D3
2.2P94 4.2P67 67 D5
2.3P91 4.3P71 71 D8
2.4P93 4.4P72 72 D9
2.5P95 4.5P68 68 D6
2.6P96 4.6P76 76 D15
2.7P3GTS1 4.7P77 77 A23
2.8P97 4.8P70 70 D7
2.9P99GSR 4.9P66 66 D4
2.10P1 4.10P81 81 A22
2.11P4GTS2 4.11P74 74 D10
2.12P6 4.12P82 82 D12
2.13P8 4.13P85 85 A21
2.14P9 4.14P78 78 D14
2.15P11 4.15P89 89 A12
2.16P10 4.16P86 86 D11
2.17P12 4.17P90 90 A13
2.18P92 4.18P79 79 D13
JP1
VCC 2
1 VCCJTAG
GND
CON2
1
2
3
4
5
6
JTAG ISP
TCK 48 TCK
TDO 83 TDO
TDI 45 TDI
TMS 47 TMS
VCCINT 5
VCCINT 57
VCCINT 98
VCC
VCCIO 26
VCCIO 38
VCCIO 51
VCCIO 88
GND 21
GND 31
GND 44
GND 62
GND 69
GND 75
GND 84
GND 100
NC 2
NC 7
NC 19
NC 24
NC 34
NC 43
NC 46 CLK7
NC 73
NC 80
(CLK7 connects to this n.c. pin
for pcb track layout purpose)
AUXPAD1
150
R1
LED_ANODE_+
/INT2
/OVR
GND
CON3
1
2
3
4
off-board links
CON3 is there for wire link connections from
interface PCB to the Amiga main board
Pin 1 can drive a low current LED against ground
DD[0..15]
CON1 IDE
/IDERESET 1 RESET- GND 2
3 DD7 DD8 4
5 DD6 DD9 6
7 DD5 DD10 8
9 DD4 DD11 10
11 DD3 DD12 12
13 DD2 DD13 14
15 DD1 DD14 16
17 DD0 DD15 18
GND 19 GND KEYPIN 21
/IOW R2 47 23 DMARQ GND 22
/IOR 25 DIOW- GND 24
27 DIOR- GND 26
R4 47 29 IORDY CSEL 28
INTRQ 31 DMACK- GND 30
DA1 33 INTRQ IOCS16- 32
DA0 35 DA1 PDIAG- 34
/CS0 37 DA0 DA2 36 DA2
DASP- 39 CS1FX- CS3FX- 38 /CS1
DASP- GND 40
R3 4k7
GND
GND
JMPR
Put a solder blob on "smd-jumper"
to tie cable select line to ground.
IC1
CLK7 15 CLK FC0 28
FC1 27
22 BERR FC2 26
18 RESET
17 HALT
E 20
21 VPA VMA 19
13 BR BG 11
12 BGACK
AS 6 /AS
/DTACK 10 DTACK R/W 9 R/W
UDS 7 /UDS
25 IPL0 LDS 8 /LDS
24 IPL1
23 IPL2
A1 29
A2 30
A3 31
A4 32 /RST
A5 33
A6 34
A7 35
5 D0 A8 36
4 D1 A9 37
3 D2 A10 38
2 D3 A11 39
1 D4 A12 40
64 D5 A13 41
63 D6 A14 42
62 D7 A15 43
61 D8 A16 44
60 D9 A17 45
59 D10 A18 46
58 D11 A19 47
57 D12 A20 48
56 D13 A21 50
55 D14 A22 51
54 D15 A23 52
D[0..15]
A[1..23]
68000
VCC
14 49 VCC
IC1P
16 53 GND
GND
This symbolises the connection to the 68000-based system.
See www home page for advice on how to construct it.
VCC
C1 100n
C2 100n
C3 100n
C5 100n
C6 100n
C7 100n
GND
Decoupling caps for the supply voltage
WWW home: http://www.iki.fi/mkl/ide -> ide68k
TITLE: ide68k106a
Document Number:
This schematic rev.A applies to V106
REV:
Date: 31.05.2008 13:34:37
Sheet: 1/1