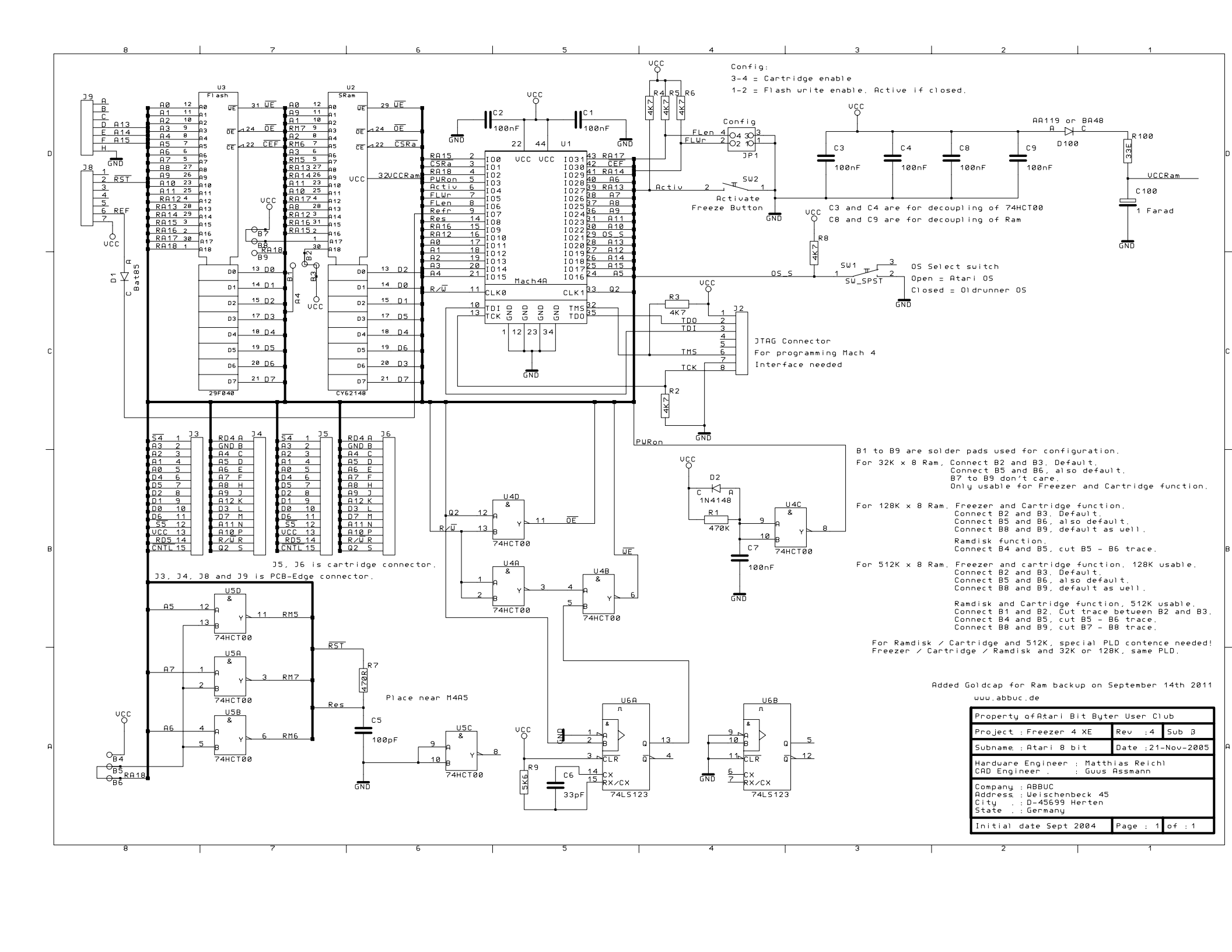
Config:
3-4 = Cartridge enable
1-2 = Flash write enable, Active if closed.
Activate Freeze Button
C3 and C4 are for decoupling of 74HCT00
C8 and C9 are for decoupling of Ram
OS Select switch
Open = Atari OS
Closed = Oldrunner OS
JTAG Connector
For programming Mach 4
Interface needed
J5, J6 is cartridge connector.
J3, J4, J8 and J9 is PCB-Edge connector.
Place near M4A5
B1 to B9 are solder pads used for configuration.
For 32K x 8 Ram, Connect B2 and B3, Default.
Connect B5 and B6, also default.
B7 to B9 don't care.
Only usable for Freezer and Cartridge function.
For 128K x 8 Ram, Freezer and Cartridge function.
Connect B2 and B3, Default.
Connect B5 and B6, also default.
Connect B8 and B9, default as well.
Ramdisk function.
Connect B4 and B5, cut B5 - B6 trace.
For 512K x 8 Ram, Freezer and cartridge function, 128K usable.
Connect B2 and B3, Default.
Connect B5 and B6, also default.
Connect B8 and B9, default as well.
Ramdisk and Cartridge function, 512K usable.
Connect B1 and B2, Cut trace between B2 and B3.
Connect B4 and B5, cut B5 - B6 trace.
Connect B8 and B9, cut B7 - B8 trace.
For Ramdisk / Cartridge and 512K, special PLD contence needed!
Freezer / Cartridge / Ramdisk and 32K or 128K, same PLD.
Added Goldcap for Ram backup on September 14th 2011
www.abbuc.de
Property of Atari Bit Byter User Club
Project : Freezer 4 XE
Rev : 4
Sub : 3
Subname : Atari 8 bit
Date : 21-Nov-2005
Hardware Engineer : Matthias Reichl
CAD Engineer : Guus Assmann
Company : ABBUC
Address : Weischenbeck 45
City : D-45699 Herten
State : Germany
Initial date Sept 2004
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of : 1