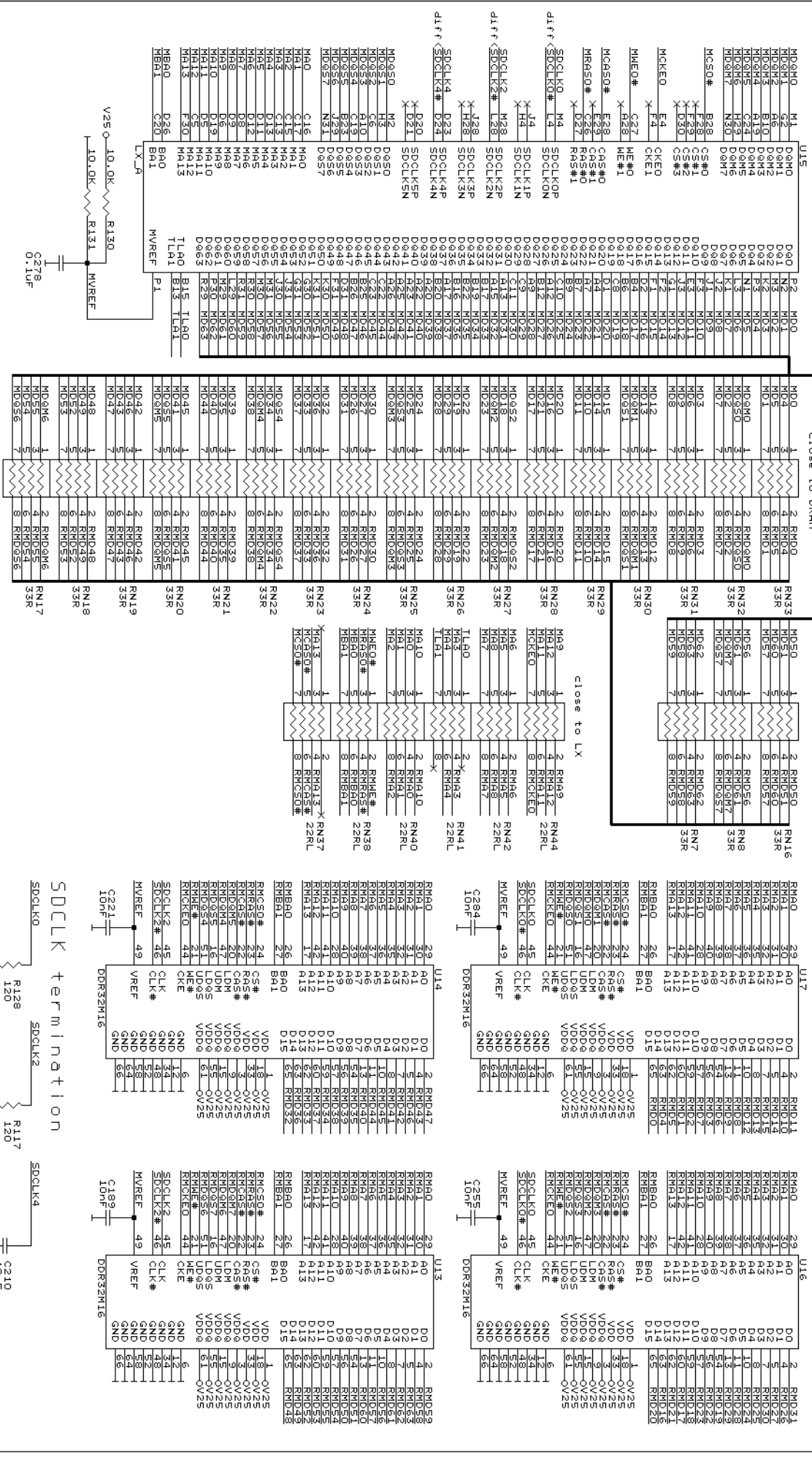
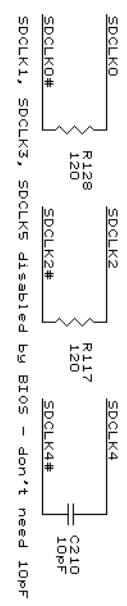


LX memory controller

128MB or 256MB DDR DRAM (PC400)



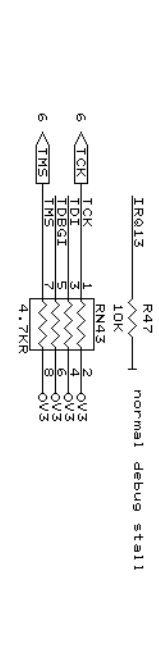
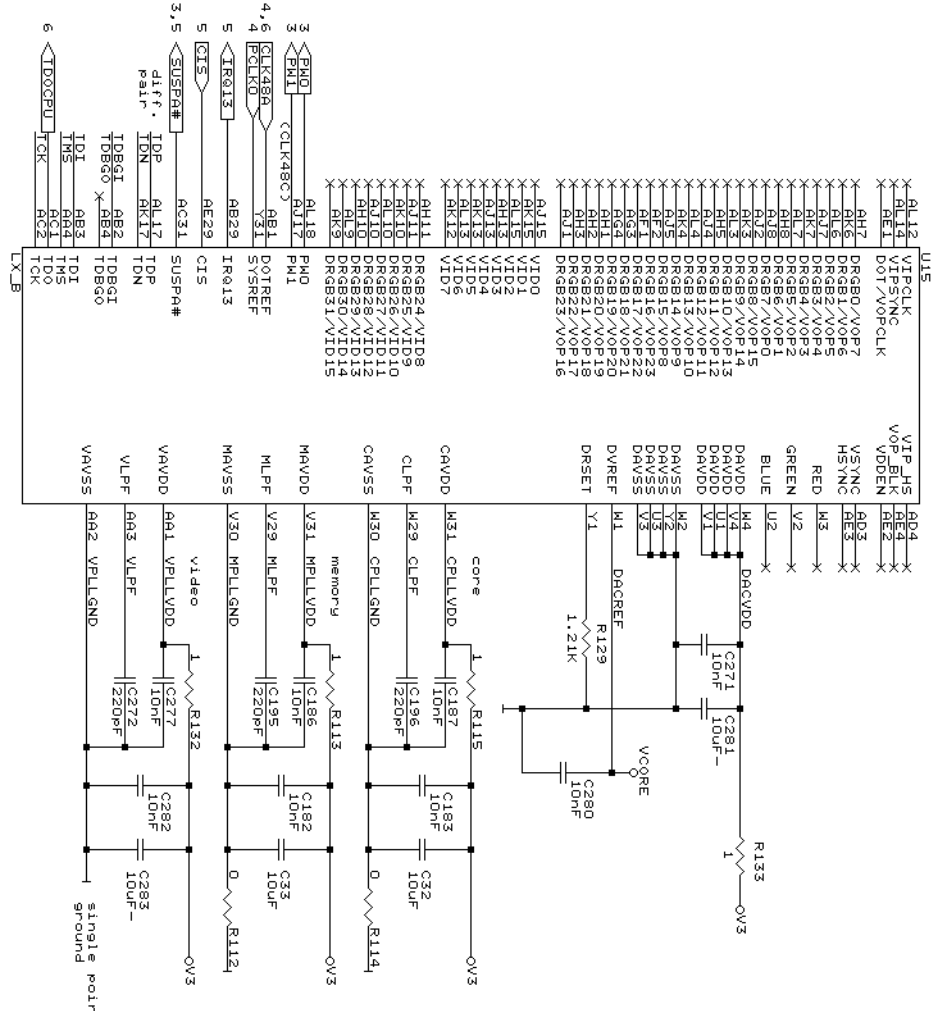
SDCLK termination



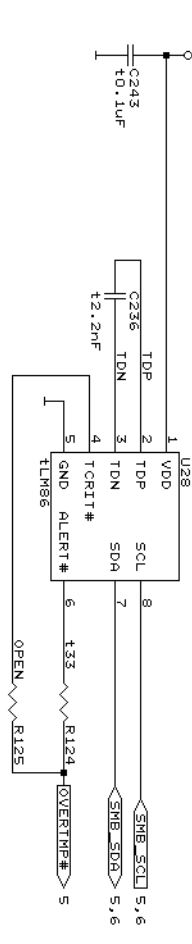
SDCLK1, SDCLK3, SDCLK5 disabled by BIOS - don't need 10PF

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LX + DRAM



Thermal sensor

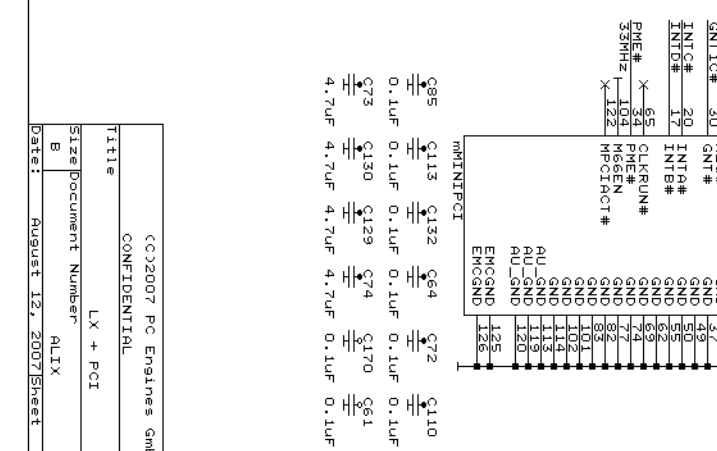
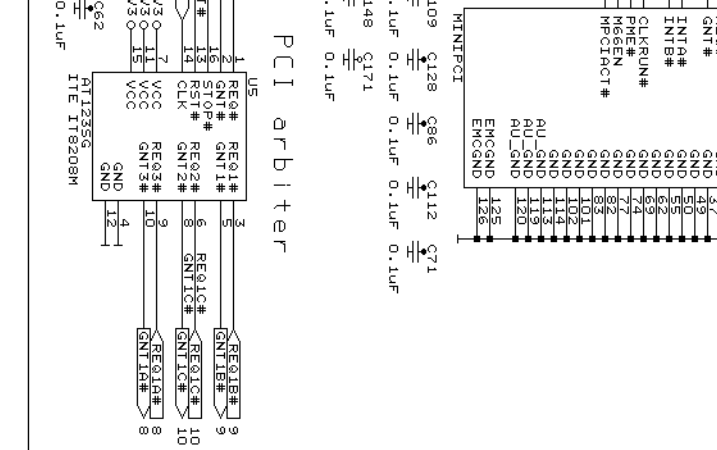
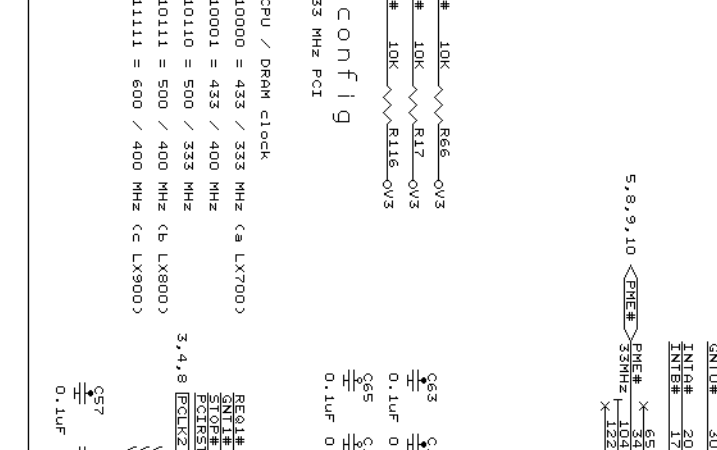
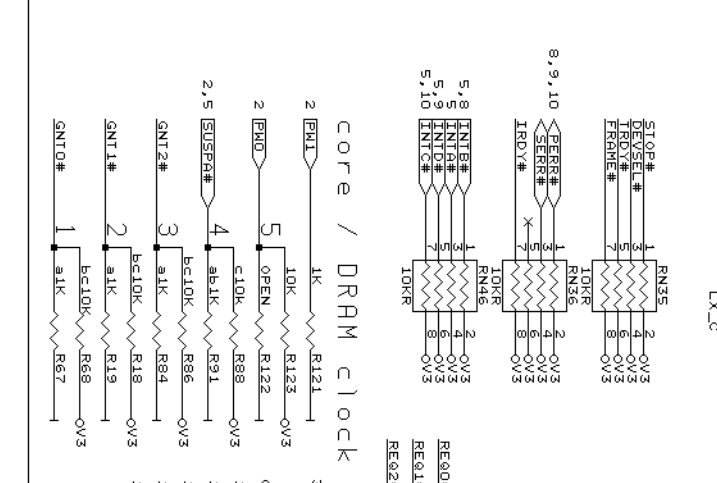
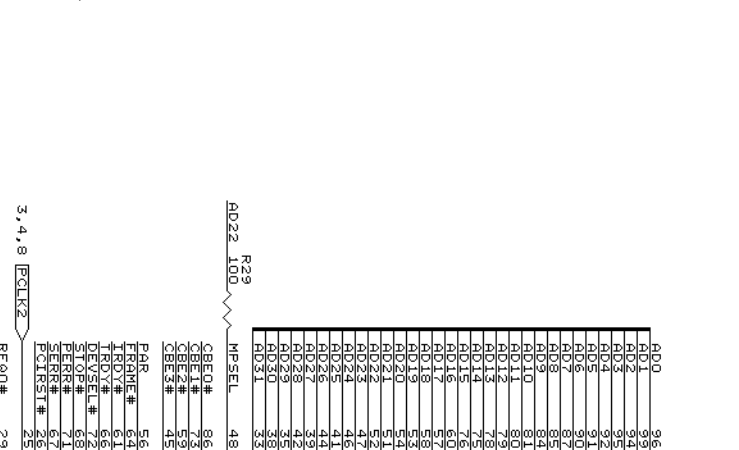
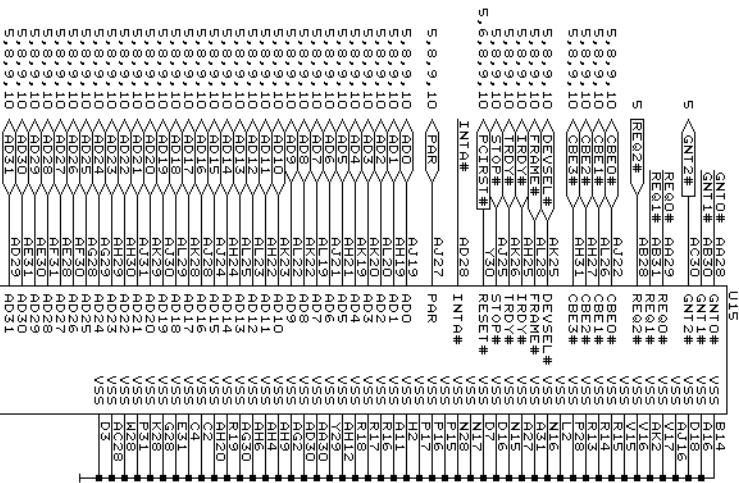


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Title LX + video	
Size/Document Number	ALIX
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MiniPCI 1

MiniPCI 2

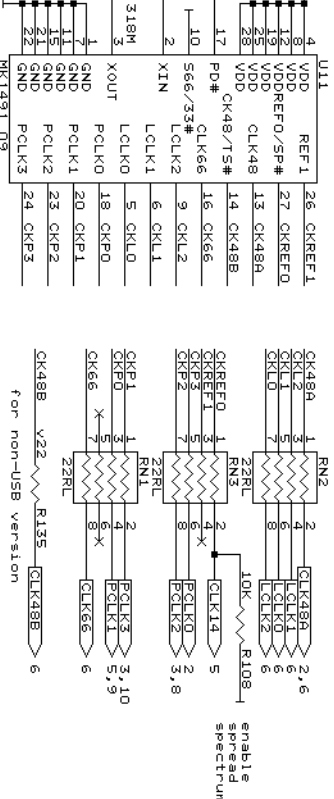
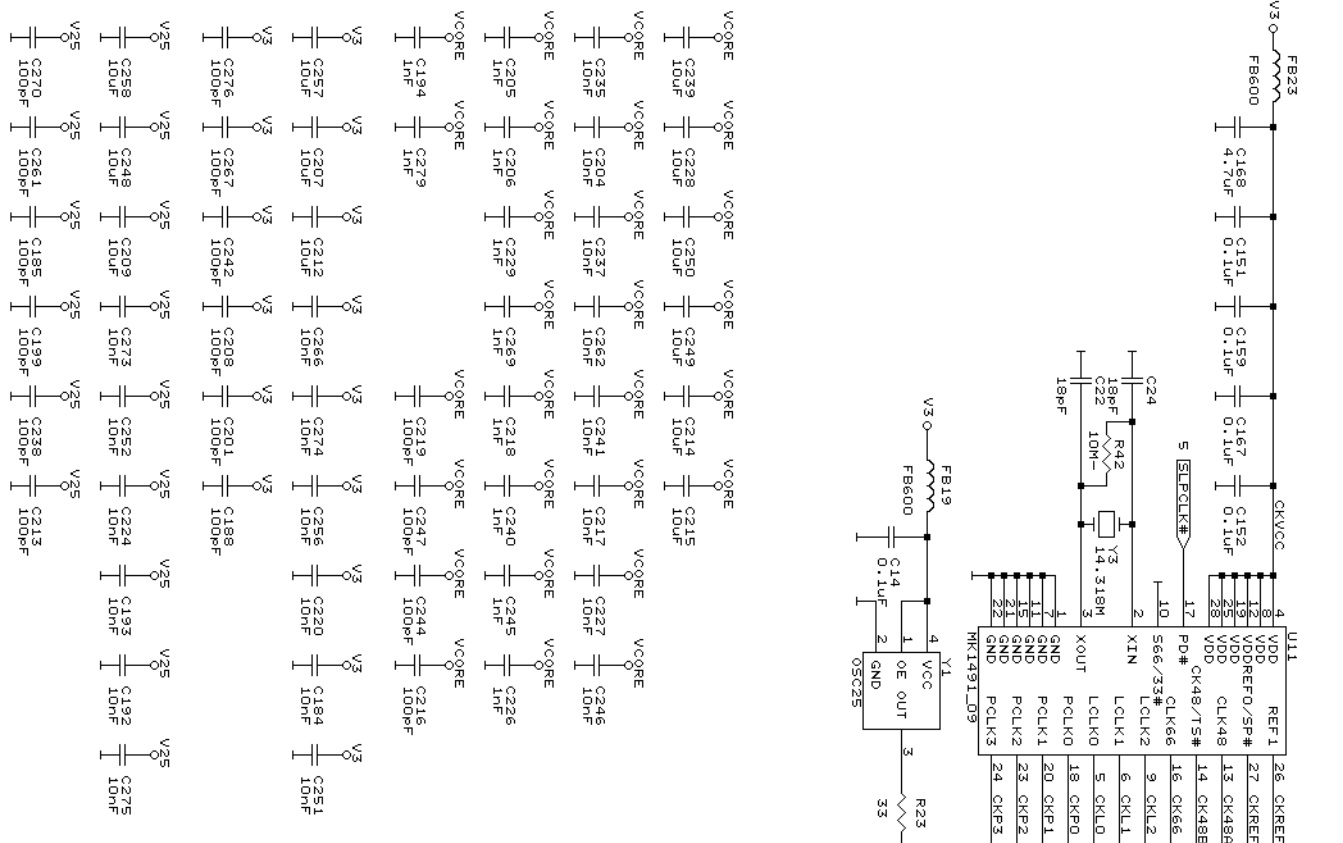
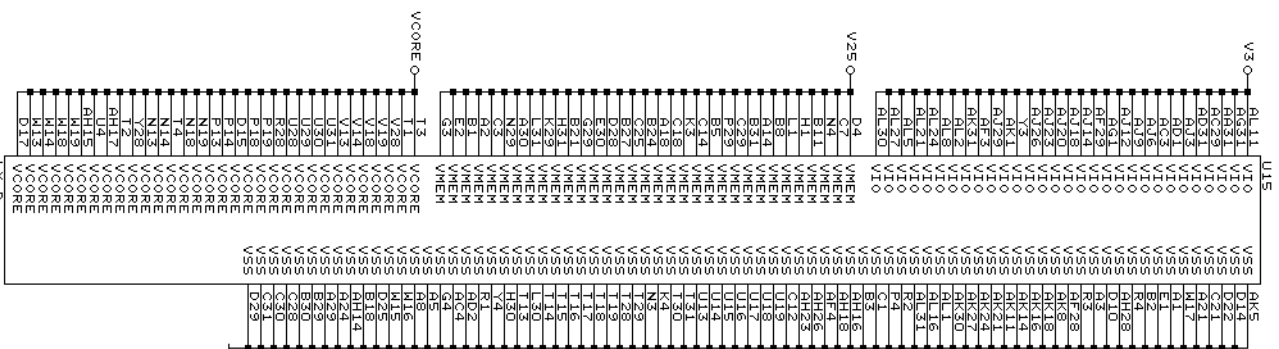
C2 LAN / miniPCI config only



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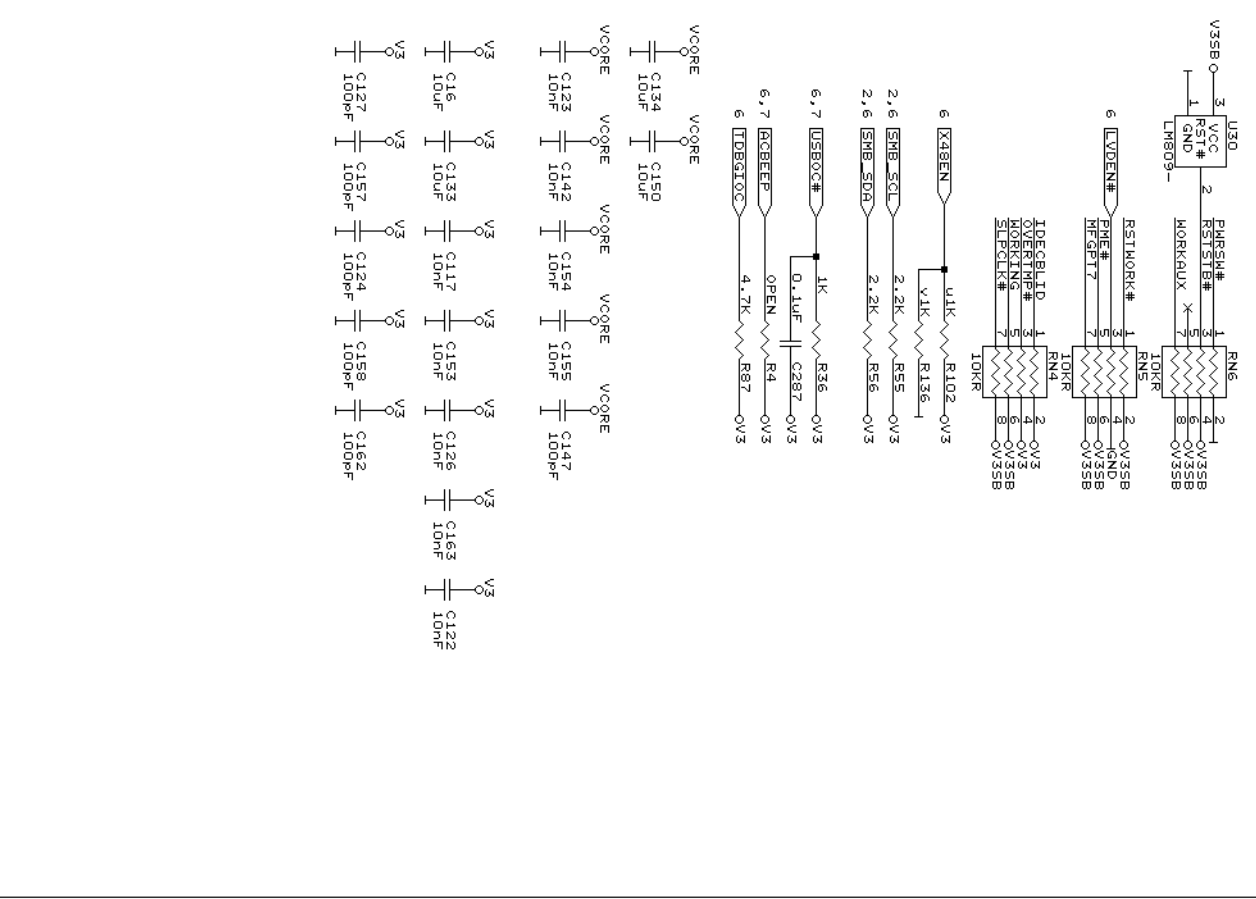
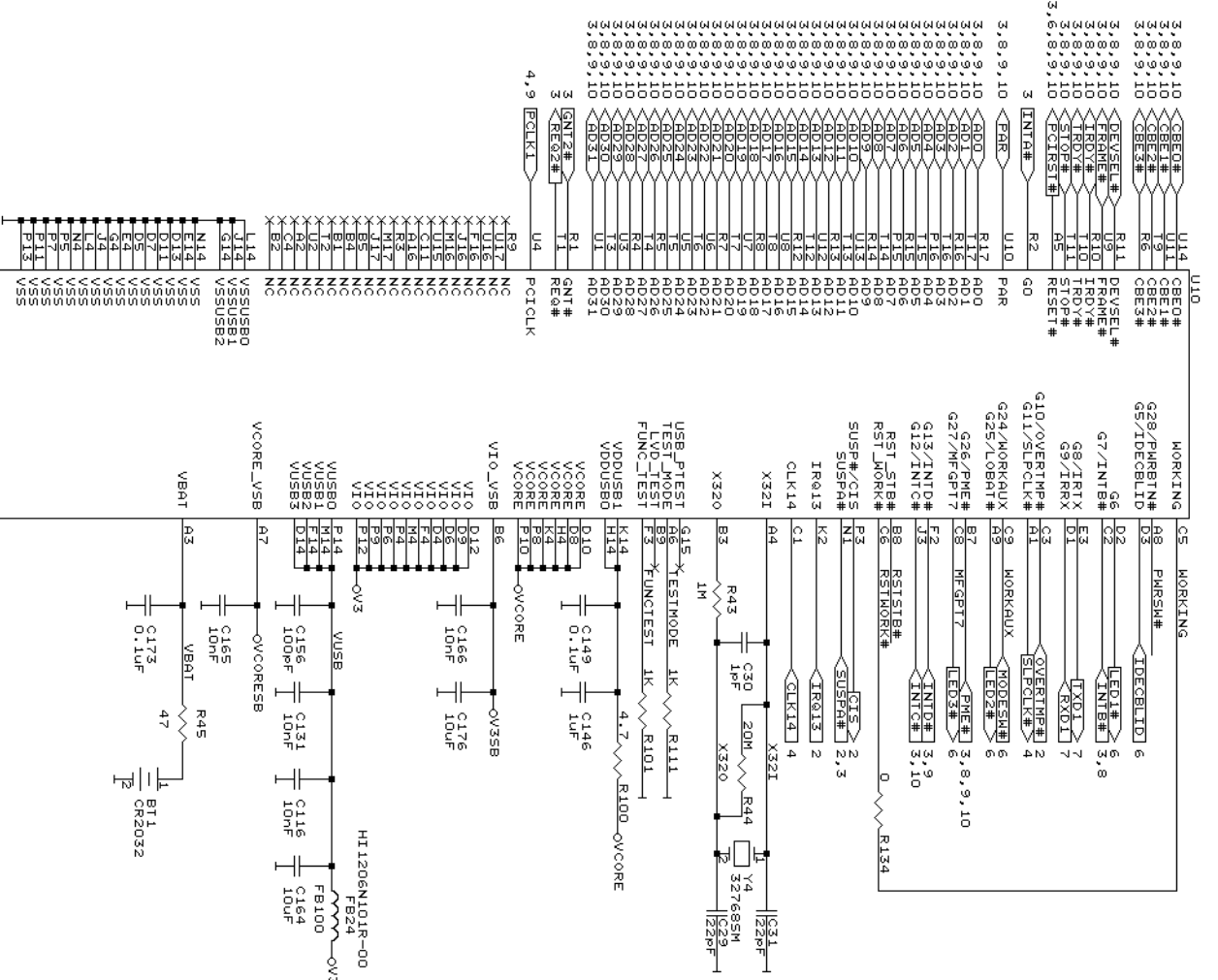
Title LX + PCI
Size/Document Number ALIX
Date: August 12, 2007/Sheet 3 of 11

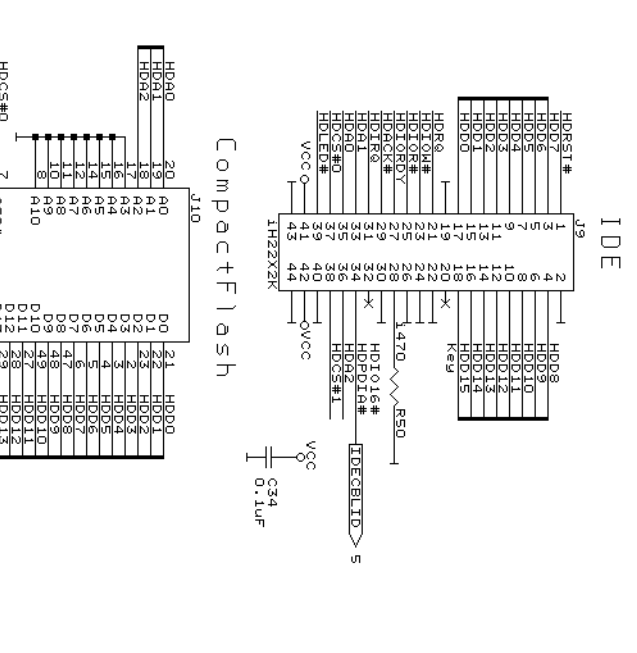
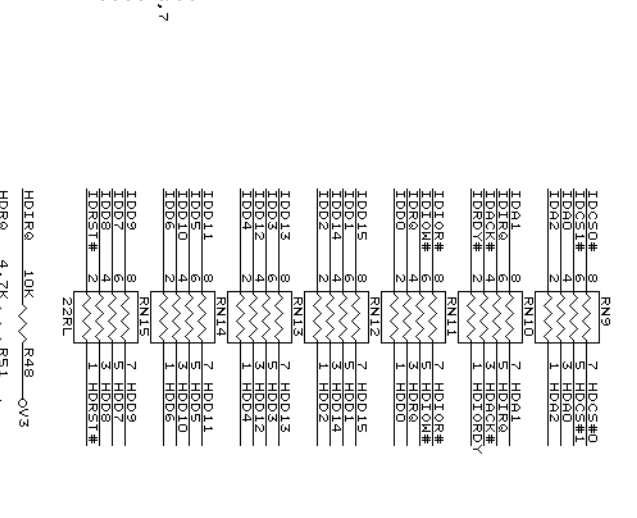
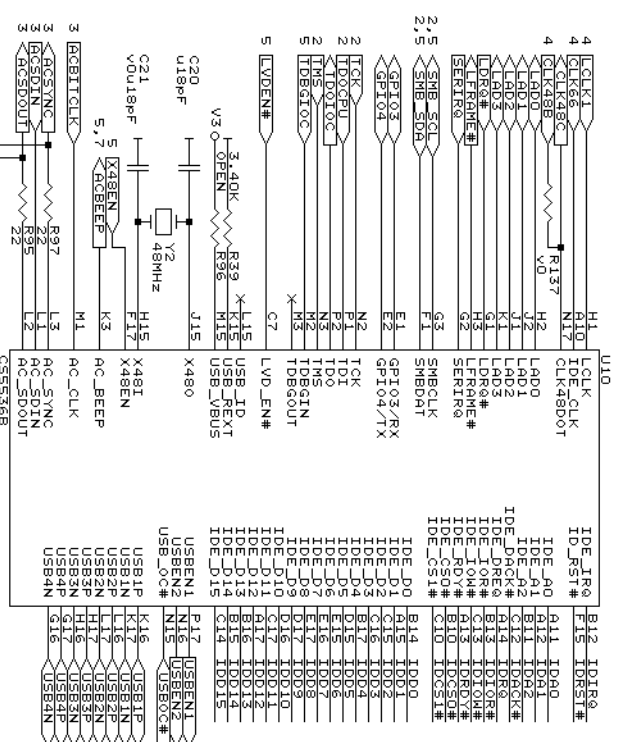
REV 2C



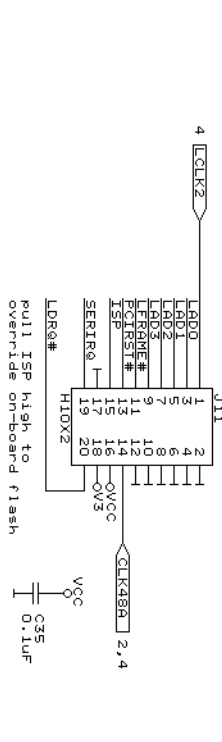
CC12007 PC Engines GmbH
CONFIDENTIAL
Title LX power + clock
Size Document Number ALIX
Date: August 12, 2007 Sheet 4 of 11

REV 20

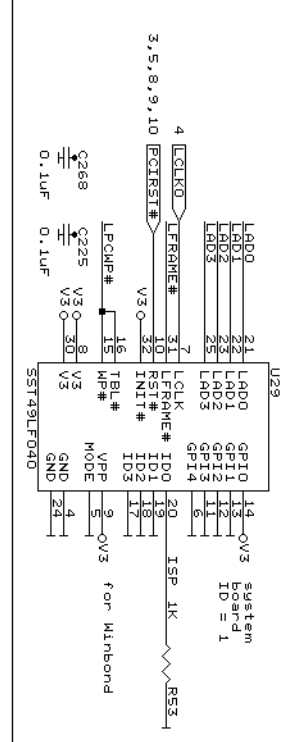




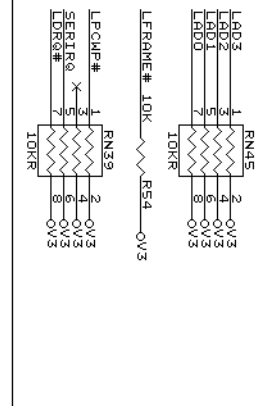
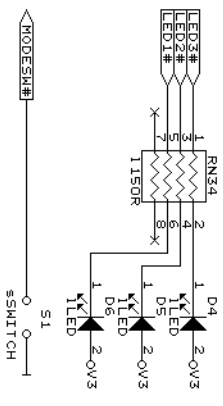
LPC expansion port



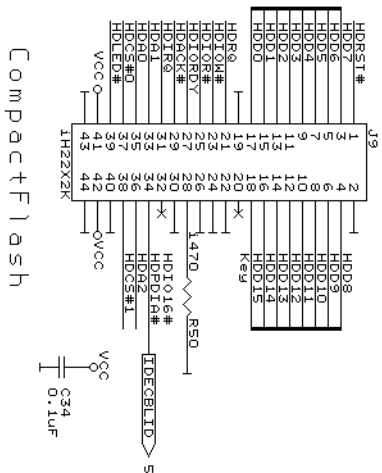
LPC flash



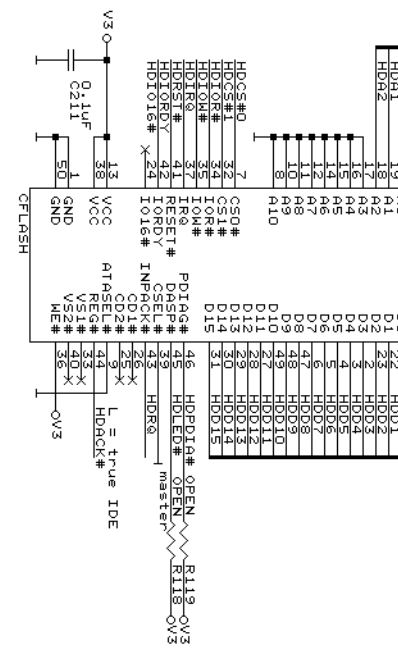
LED + Switch



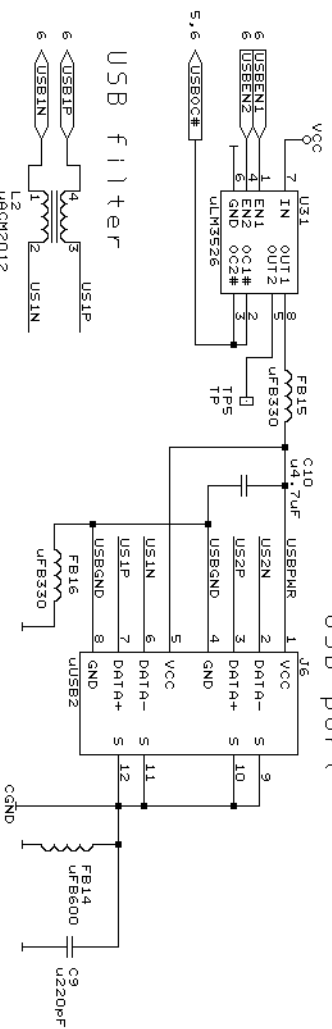
ID0



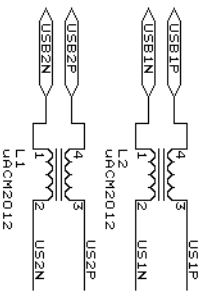
CompactFlash



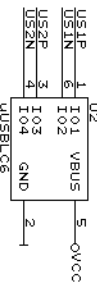
USB port



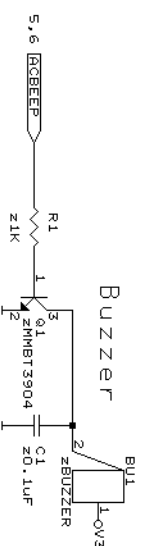
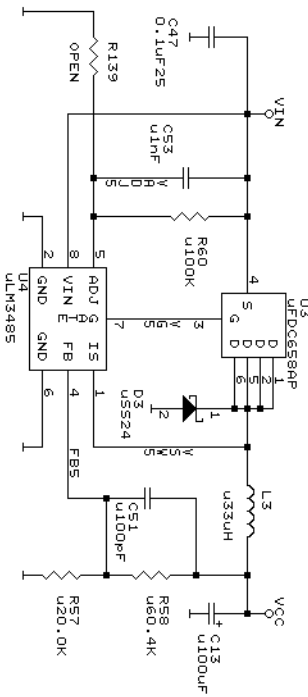
USB filter



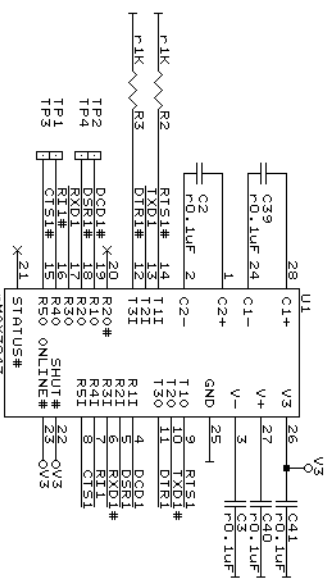
USB ESD protection



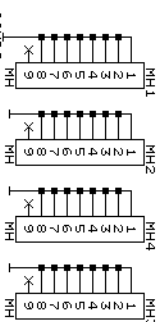
5V 1A USB supply



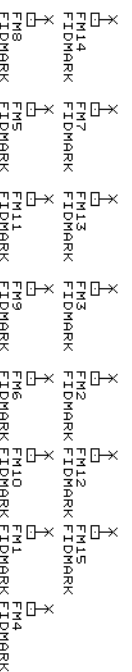
COM1



Mounting holes

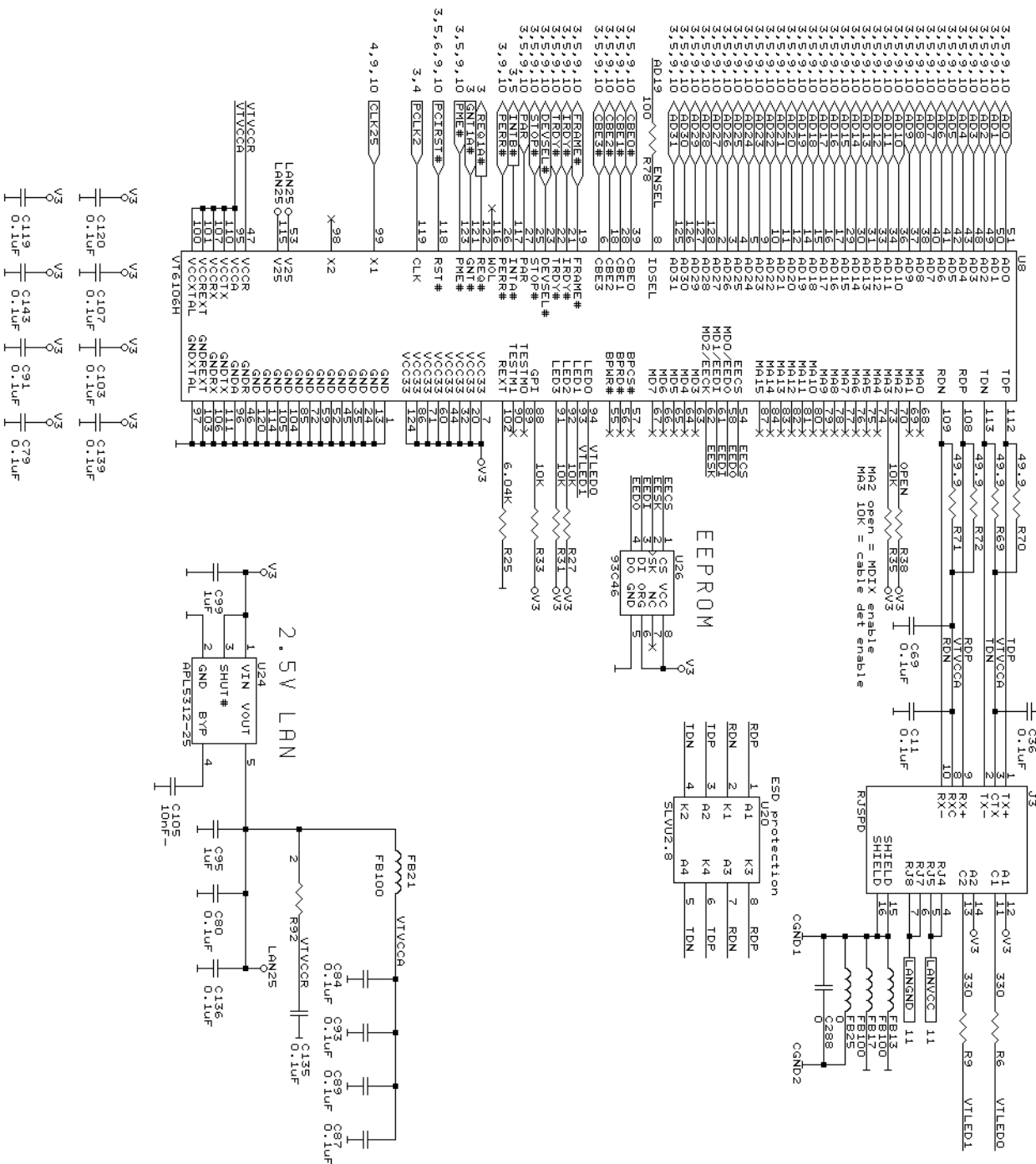


Fiducial marks



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Title	USB, front panel
Size/Document Number	ALI1X
Date: September 21, 2007	Sheet 7 of 11

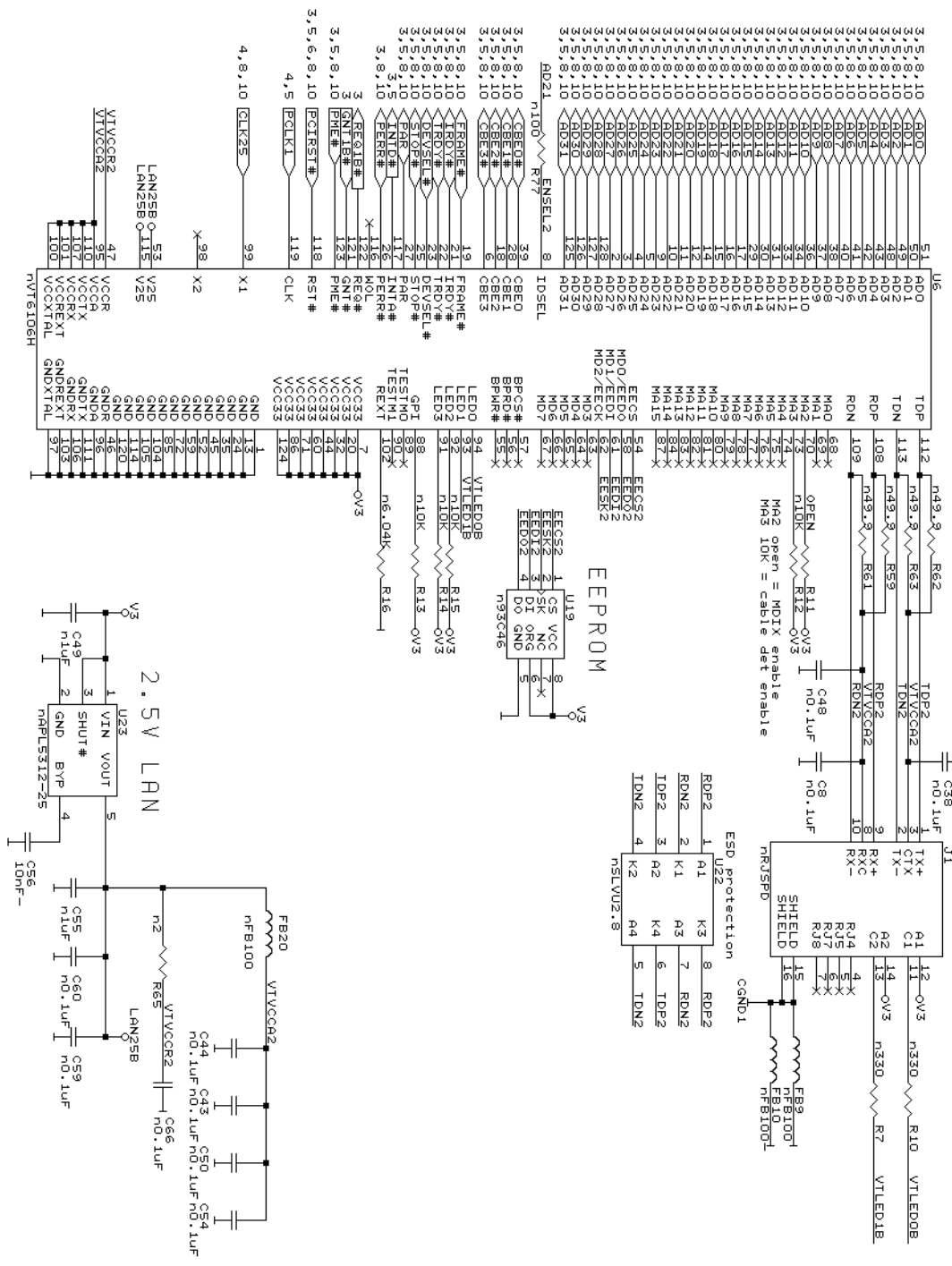
VT6106H LAN 1



EEPROM

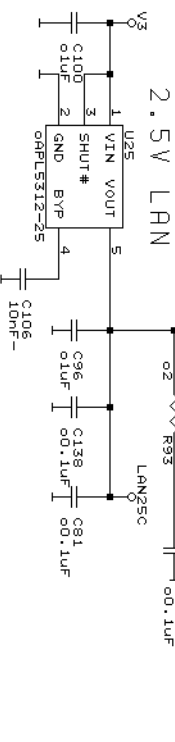
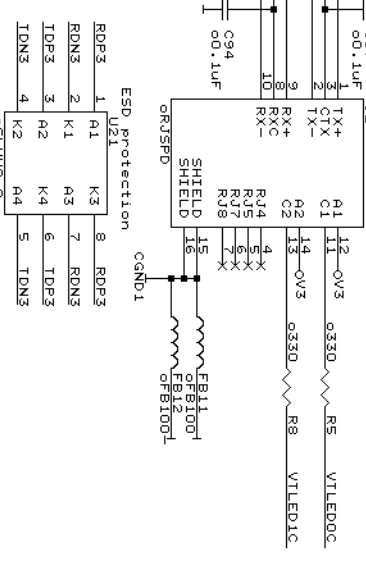
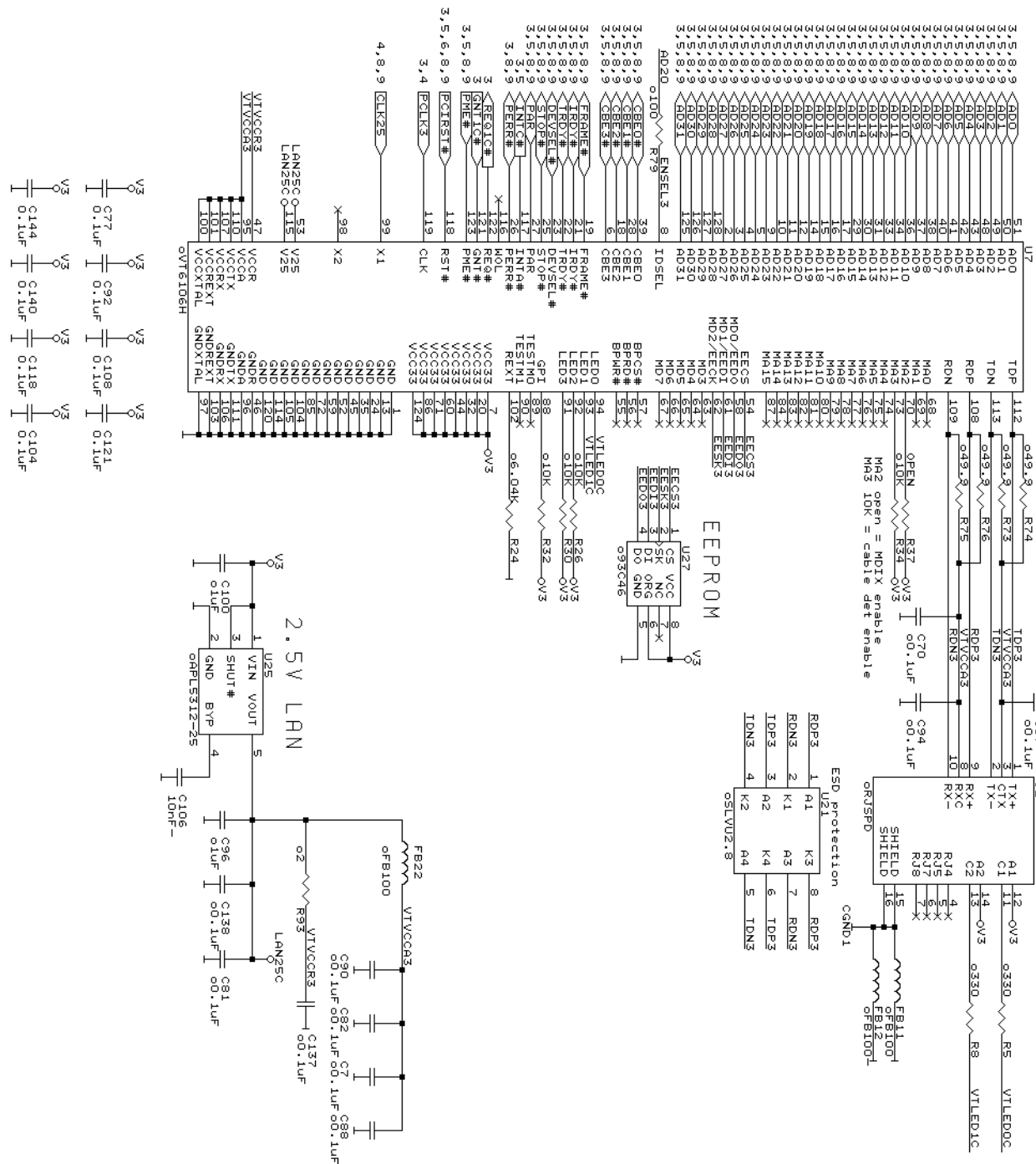
2.5V LAN

VT6106H LAN 3



Component	Value	Notes
C38	100 nF	
C48	100 nF	
C8	100 nF	
C49	100 nF	
C56	100 nF	
C55	100 nF	
C60	100 nF	
C59	100 nF	
C44	100 nF	
C43	100 nF	
C50	100 nF	
C54	100 nF	
C66	100 nF	
R5	100 nF	
R7	100 nF	
R10	100 nF	
R16	100 nF	
R17	100 nF	
R18	100 nF	
R19	100 nF	
R20	100 nF	
R21	100 nF	
R22	100 nF	
R23	100 nF	
R24	100 nF	
R25	100 nF	
R26	100 nF	
R27	100 nF	
R28	100 nF	
R29	100 nF	
R30	100 nF	
R31	100 nF	
R32	100 nF	
R33	100 nF	
R34	100 nF	
R35	100 nF	
R36	100 nF	
R37	100 nF	
R38	100 nF	
R39	100 nF	
R40	100 nF	
R41	100 nF	
R42	100 nF	
R43	100 nF	
R44	100 nF	
R45	100 nF	
R46	100 nF	
R47	100 nF	
R48	100 nF	
R49	100 nF	
R50	100 nF	
R51	100 nF	
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R87	100 nF	
R88	100 nF	
R89	100 nF	
R90	100 nF	
R91	100 nF	
R92	100 nF	
R93	100 nF	
R94	100 nF	
R95	100 nF	
R96	100 nF	
R97	100 nF	
R98	100 nF	
R99	100 nF	
R100	100 nF	

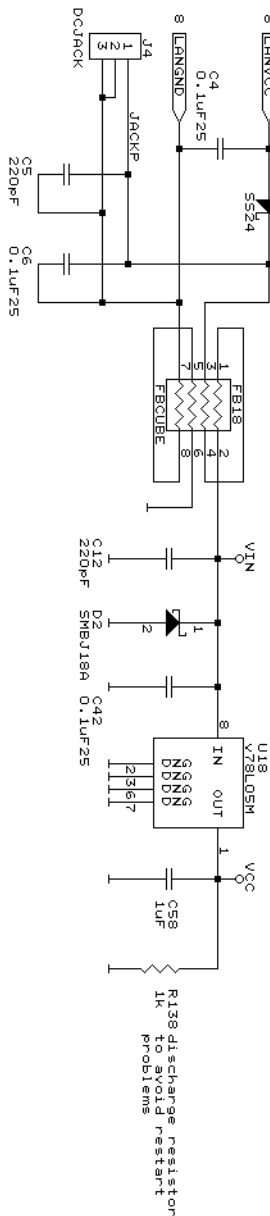
VT6106H LAN 2 (3 LAN config only)



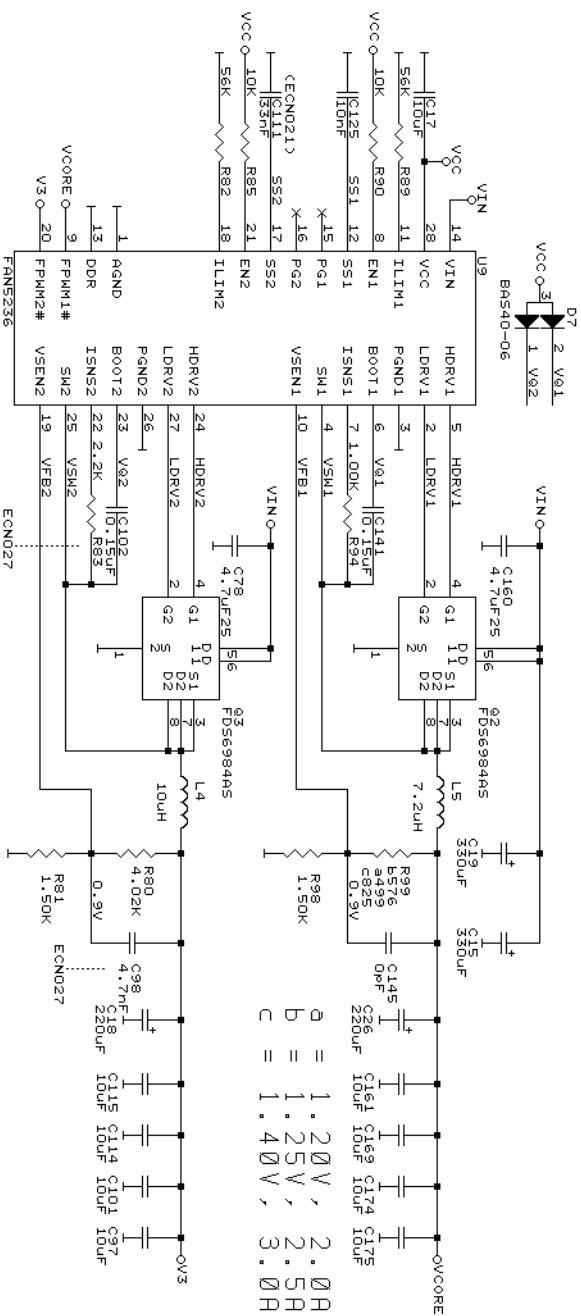
Power input +7..20V

5V bias

(also see alternative on sheet 7)

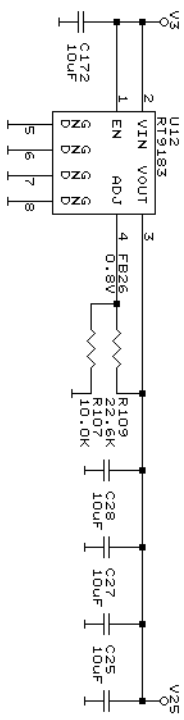


VCORE, V3 regulator

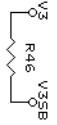


a = 1.20V, 2.0A
 b = 1.25V, 2.5A
 c = 1.40V, 3.0A

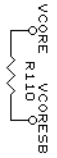
2.6V DDR supply



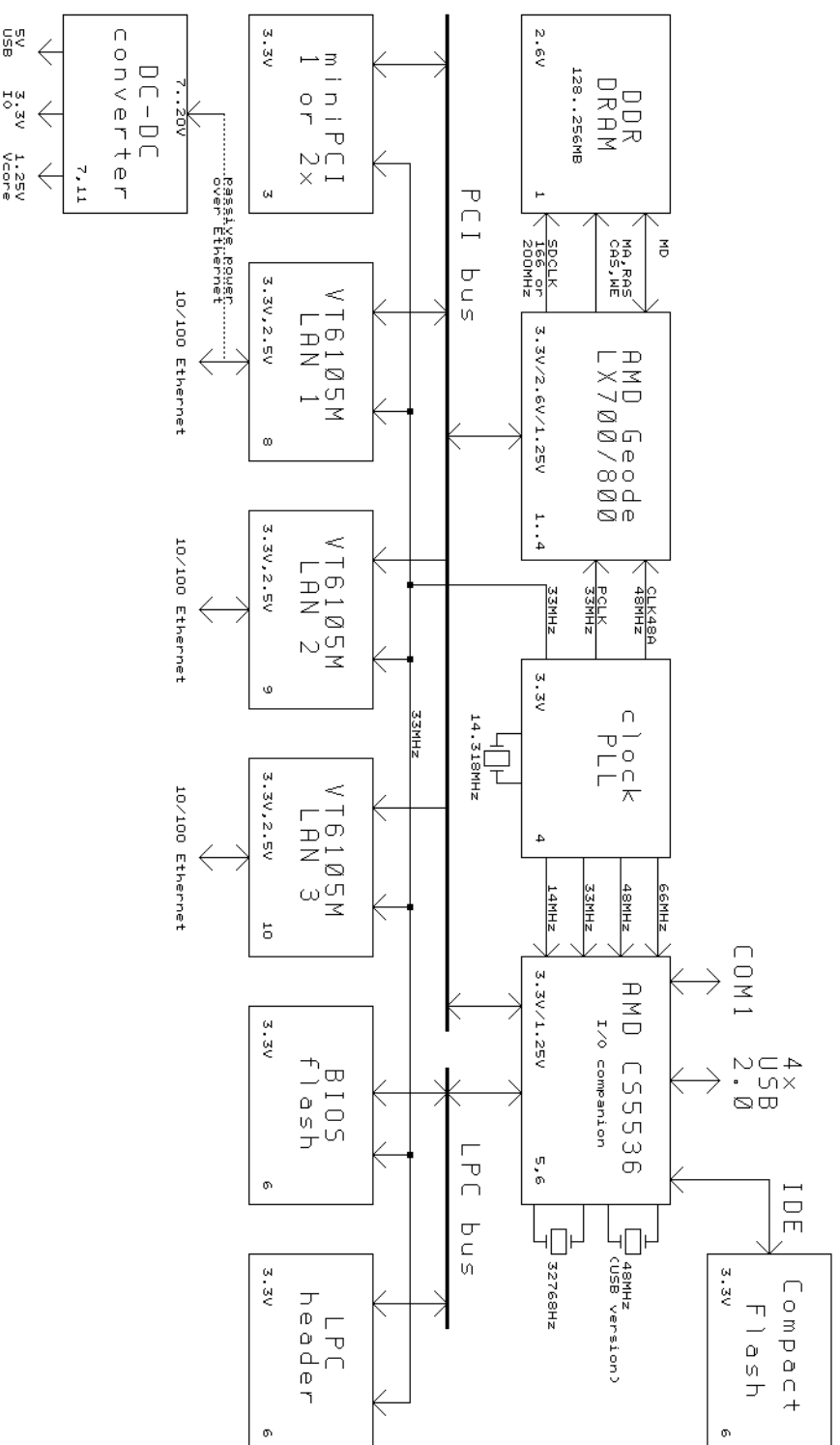
3.3V standby



1.2V standby



PC Engines ALIX.2 AMD Geode LX router platform



PC Engines GmbH	
Title	Block Diagram
Size Document Number	ALIX
REV	28
Date:	August 13, 2007 Sheet 1 of 1