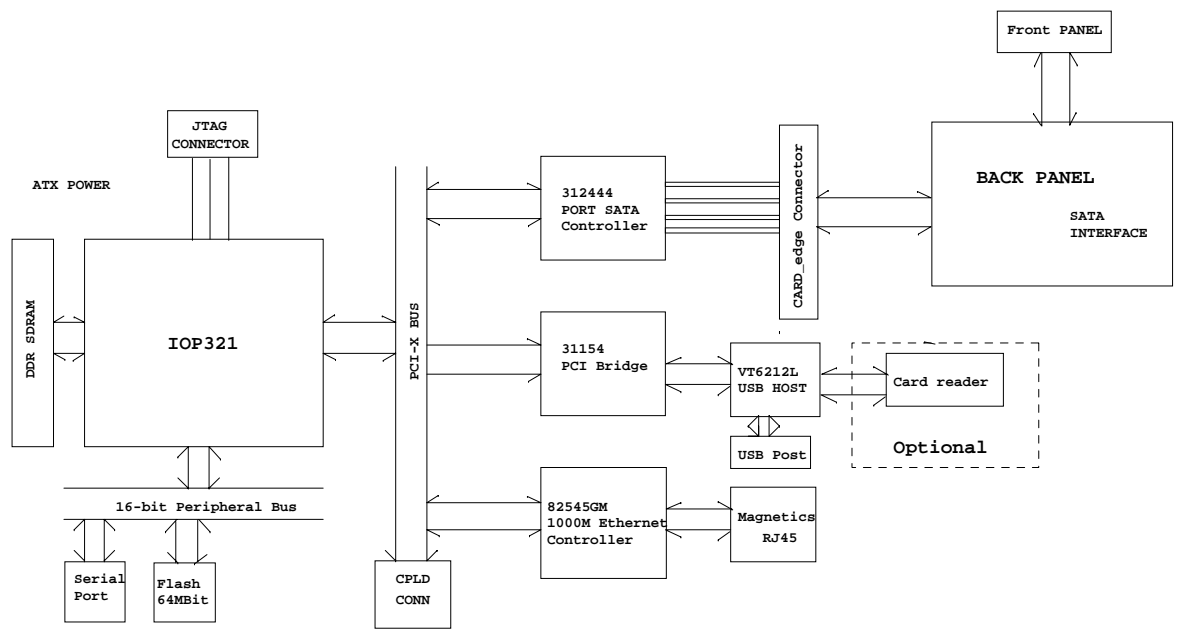
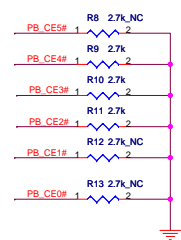
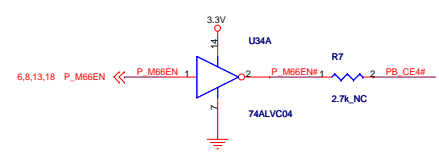
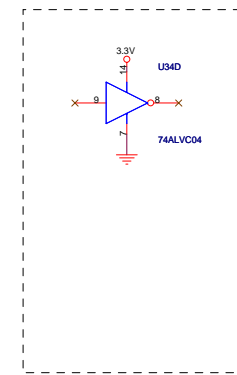
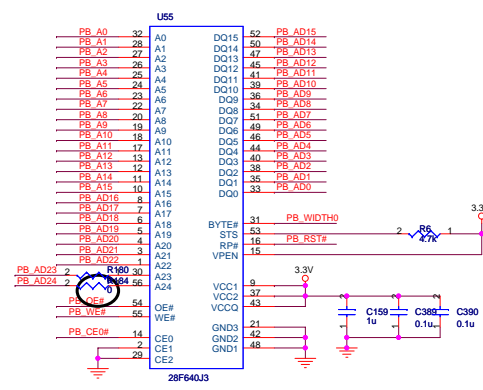
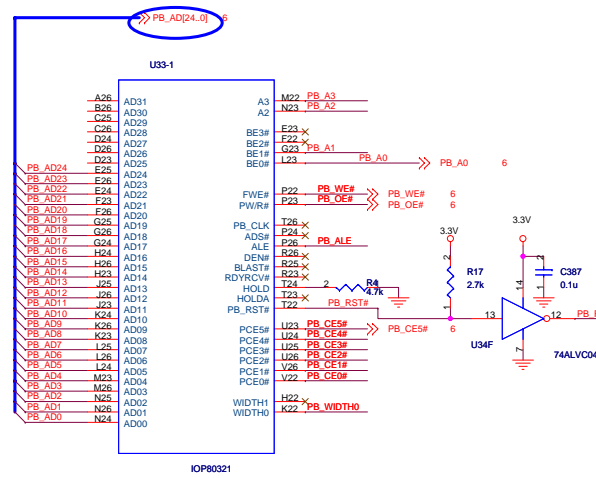
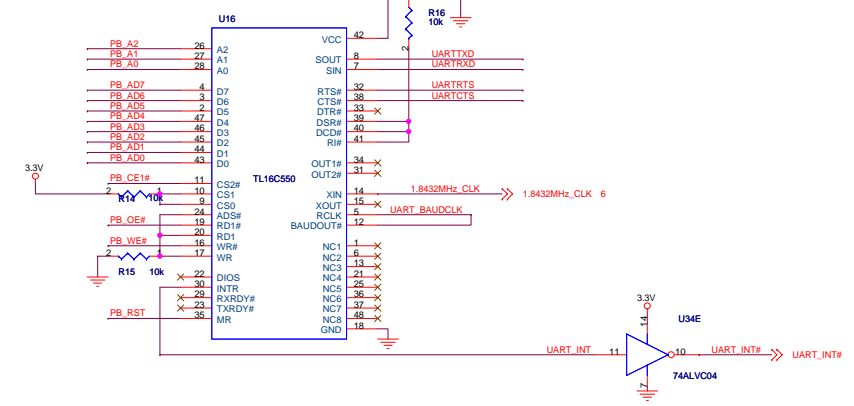
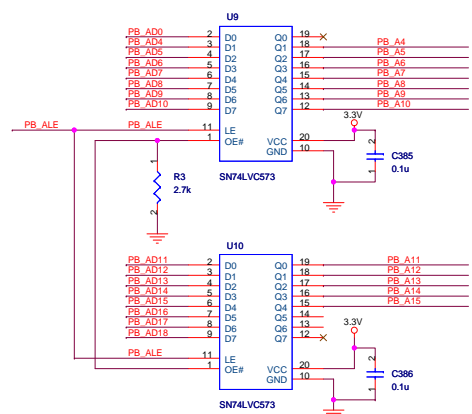
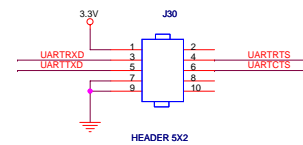
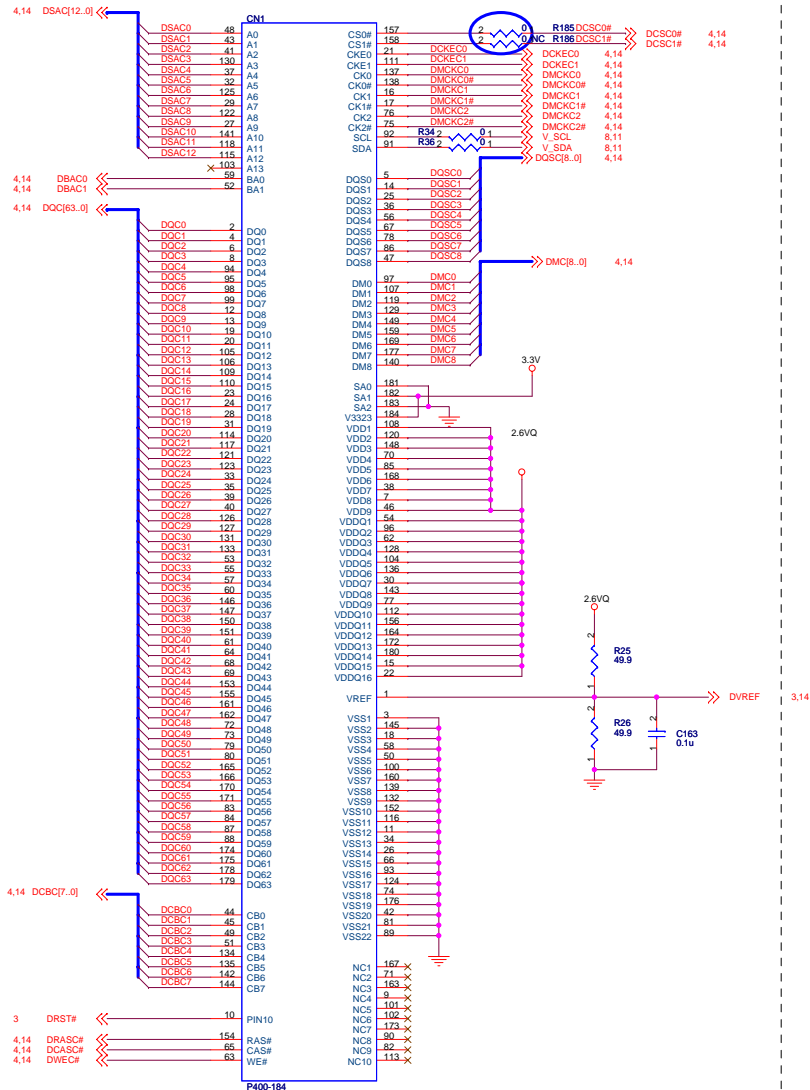


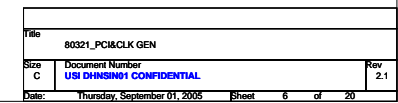
PAGE INDEX-

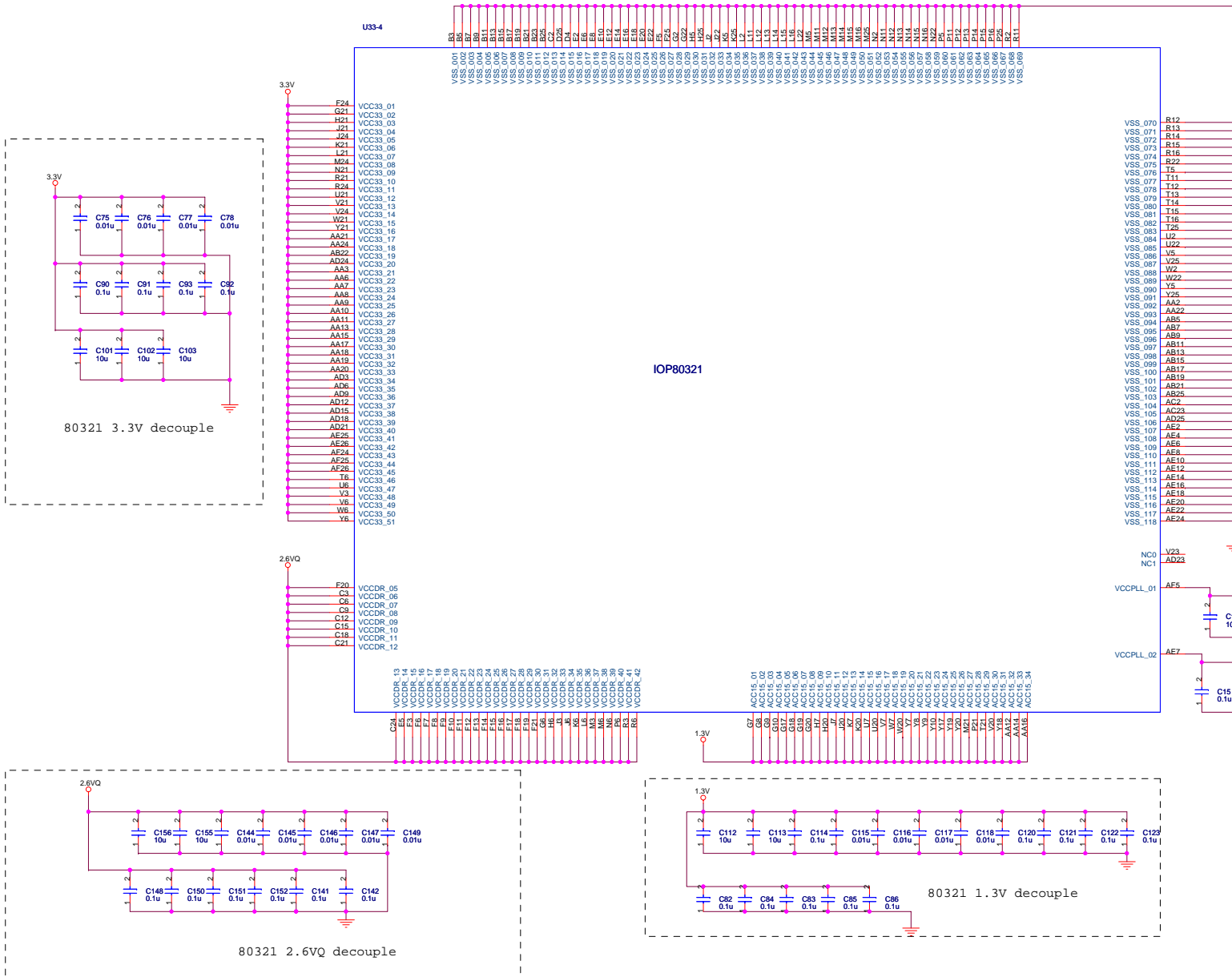
1:	Title page
2:	02-IOP321_PDI & COM & Flash
3:	IOP321_DDR
4:	DDRAM termination
5:	DIMM connector
6:	IOP321_PCI&CLK GEN
7:	IOP321_PWR&GND
8:	LAN controller I82545GM
9:	SATA controller
10:	SYS Conn. & PSU Conn.
11:	Microcontroller, JTAG
12:	Mechanical hole
13:	PCI Termi & DDR PWR
14:	On board memory
15:	82545GM power
16:	USB HOST
17:	USB CONN
18:	PCI Brd_EW31154-1
19:	PCI Brd_EW31154-2
20:	History

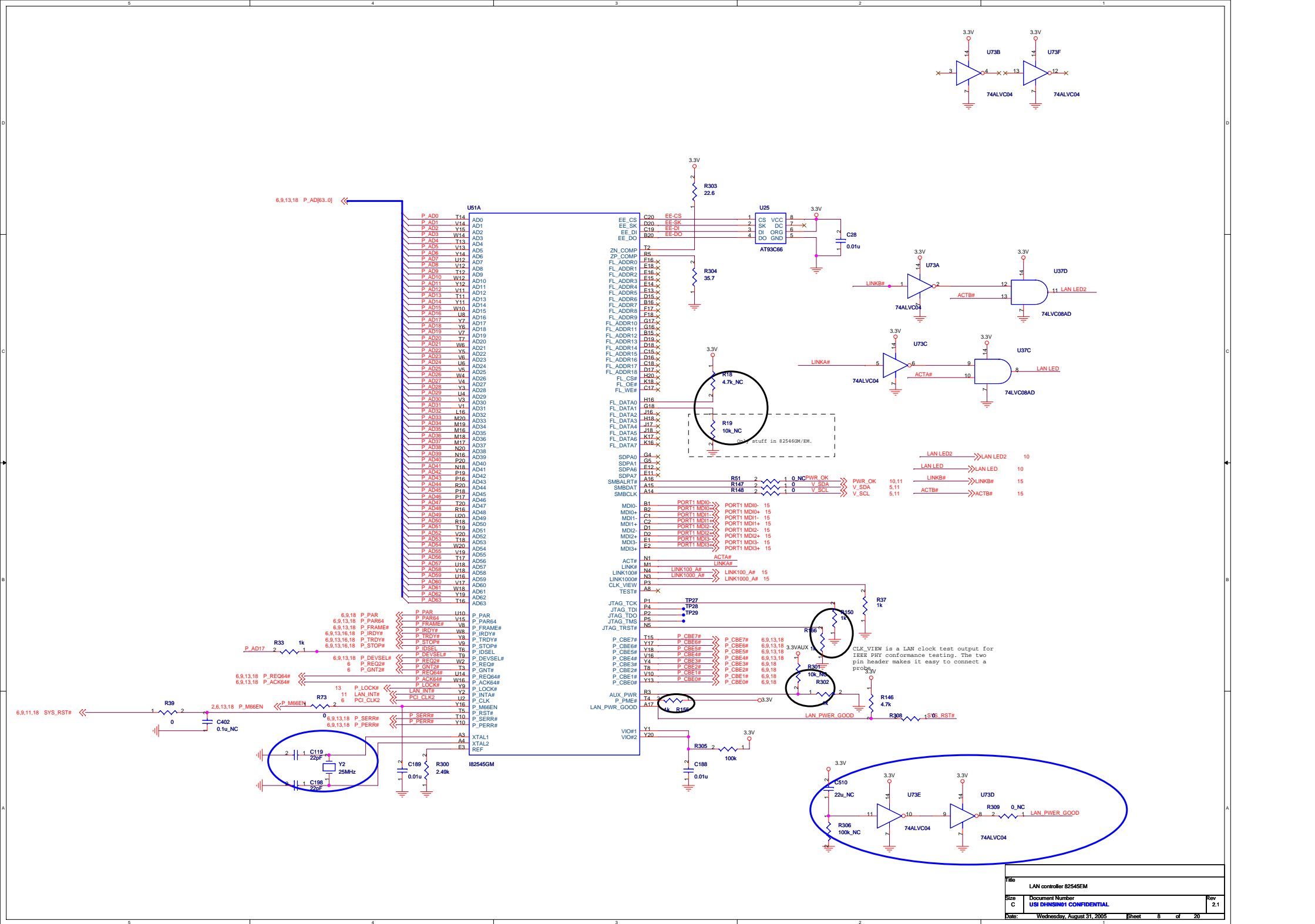








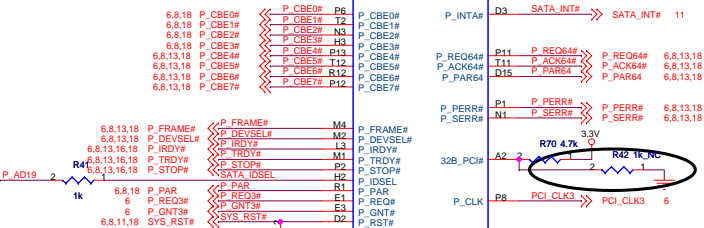
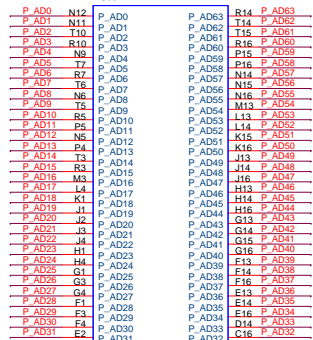




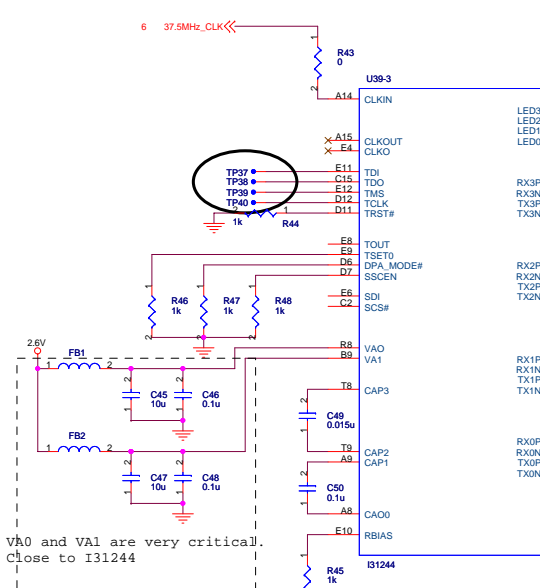
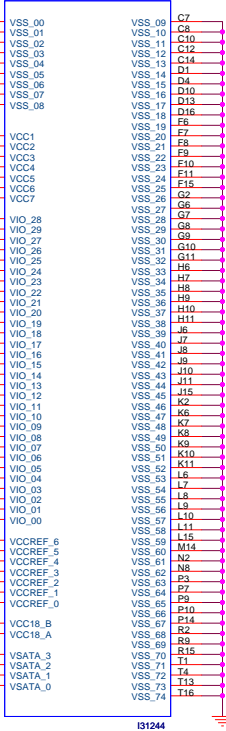
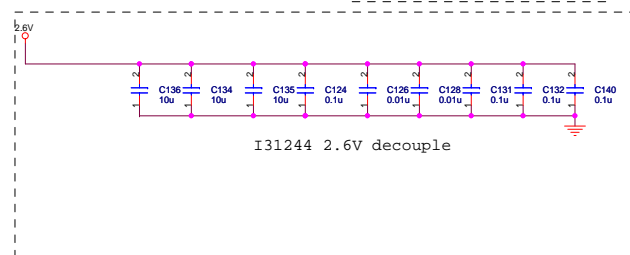
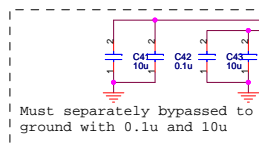
6.8,13,18 P_AD[63..0] << P_AD[63..0]

U39-2

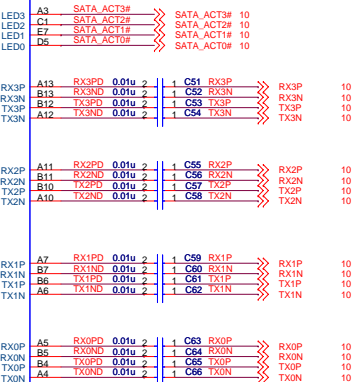
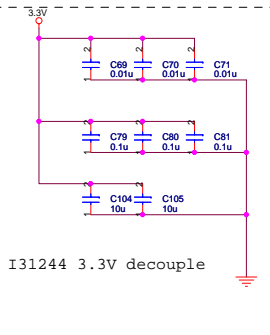
U39-1

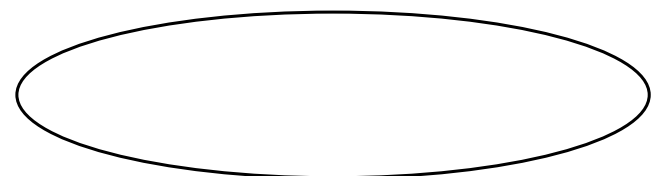
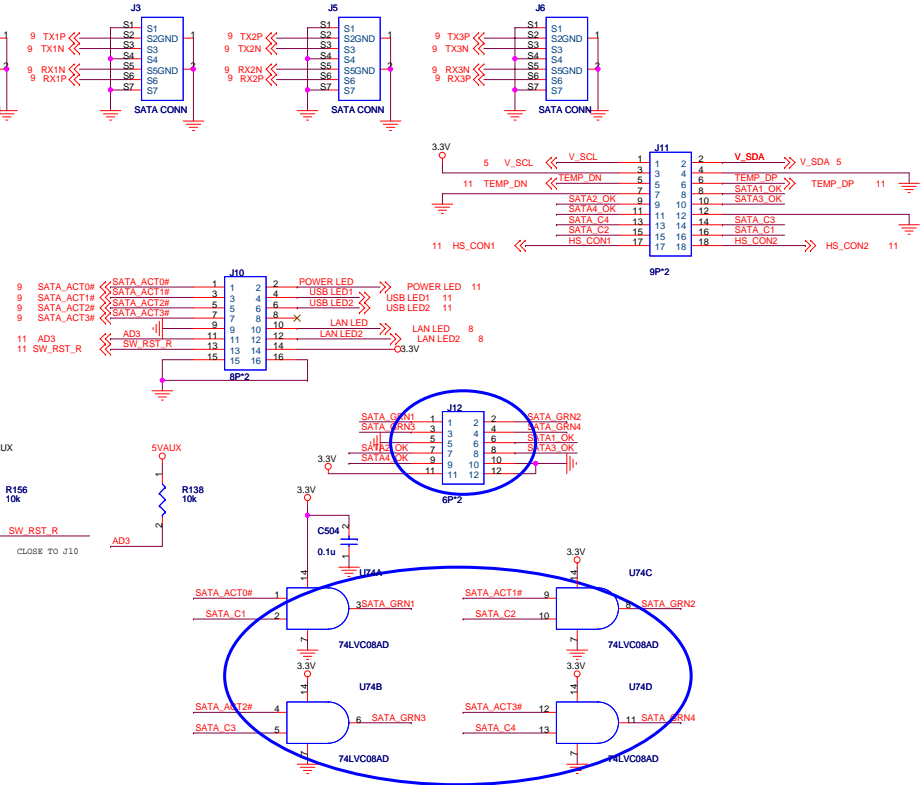
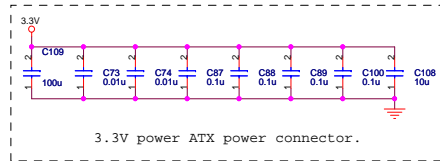
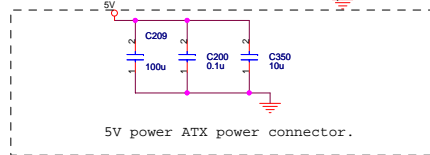
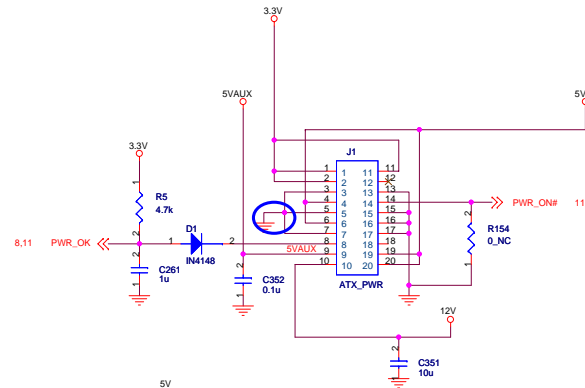


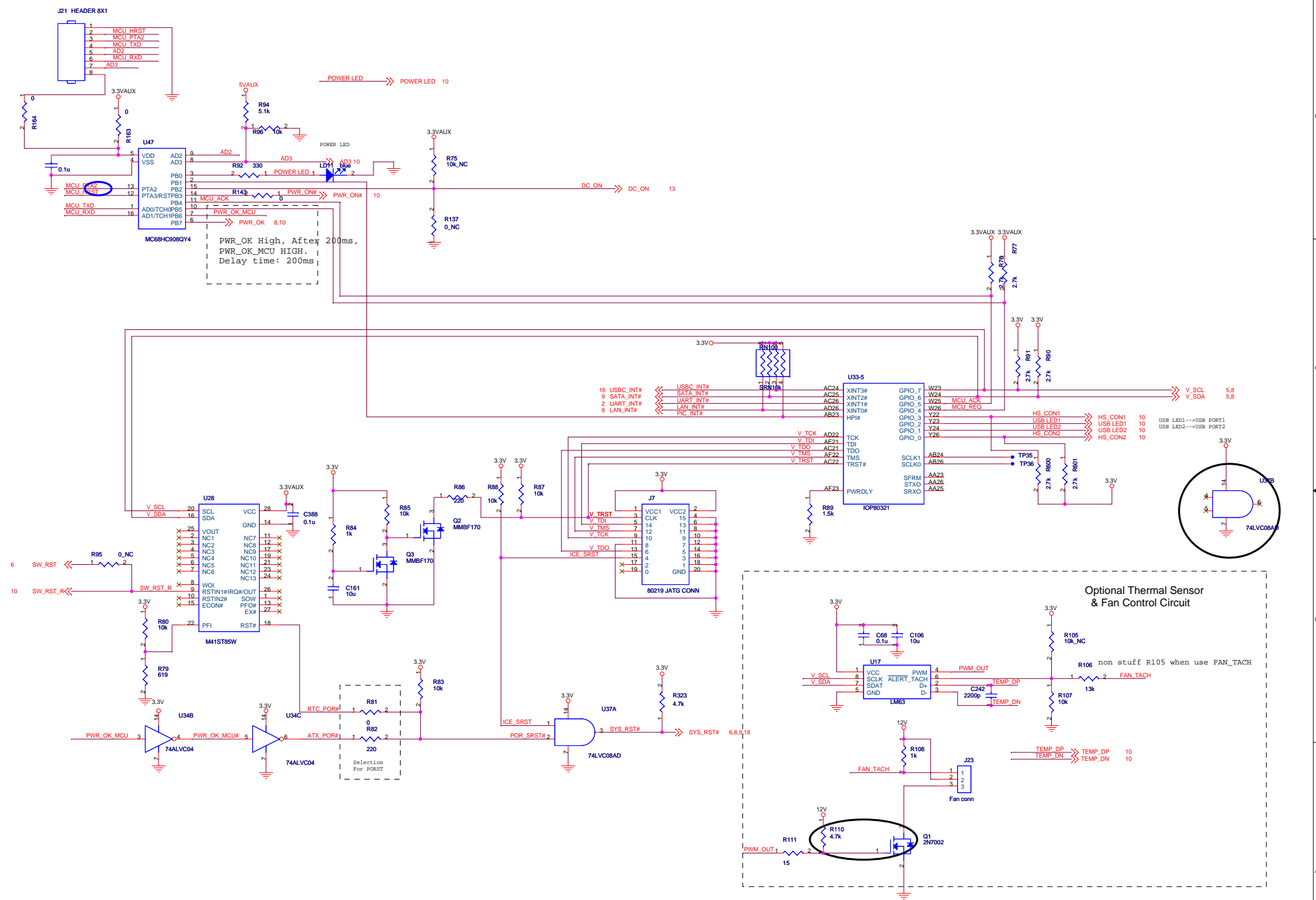
I31244



Va0 and Va1 are very critical. Close to I31244









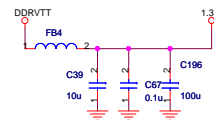
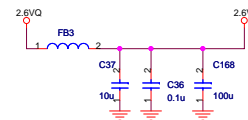
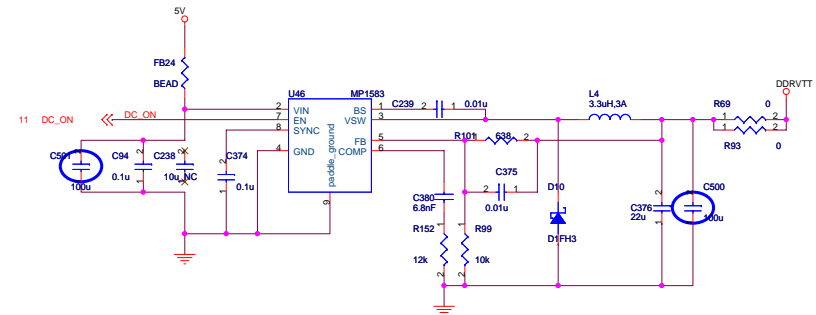
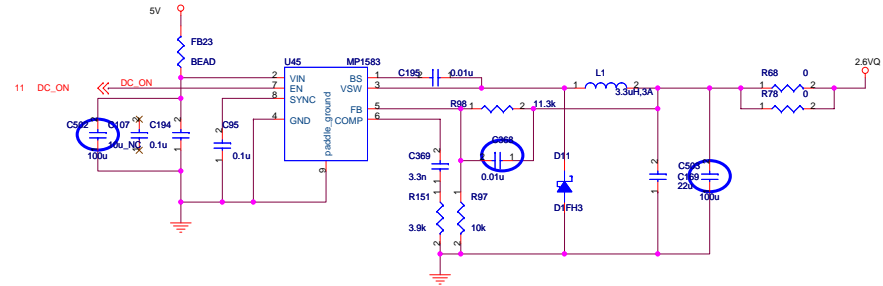
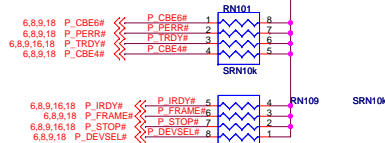
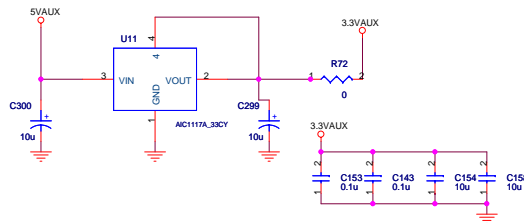
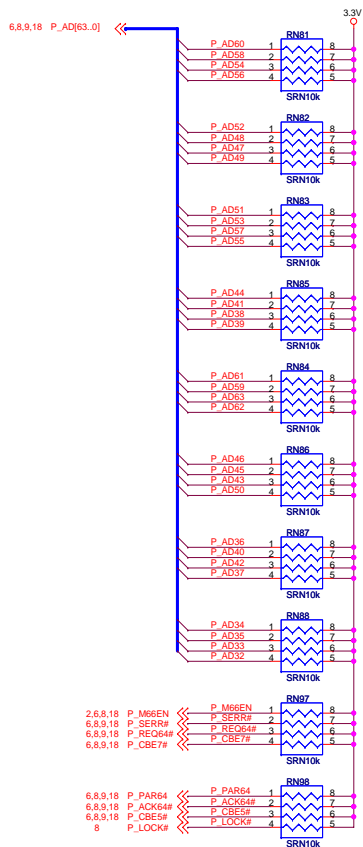
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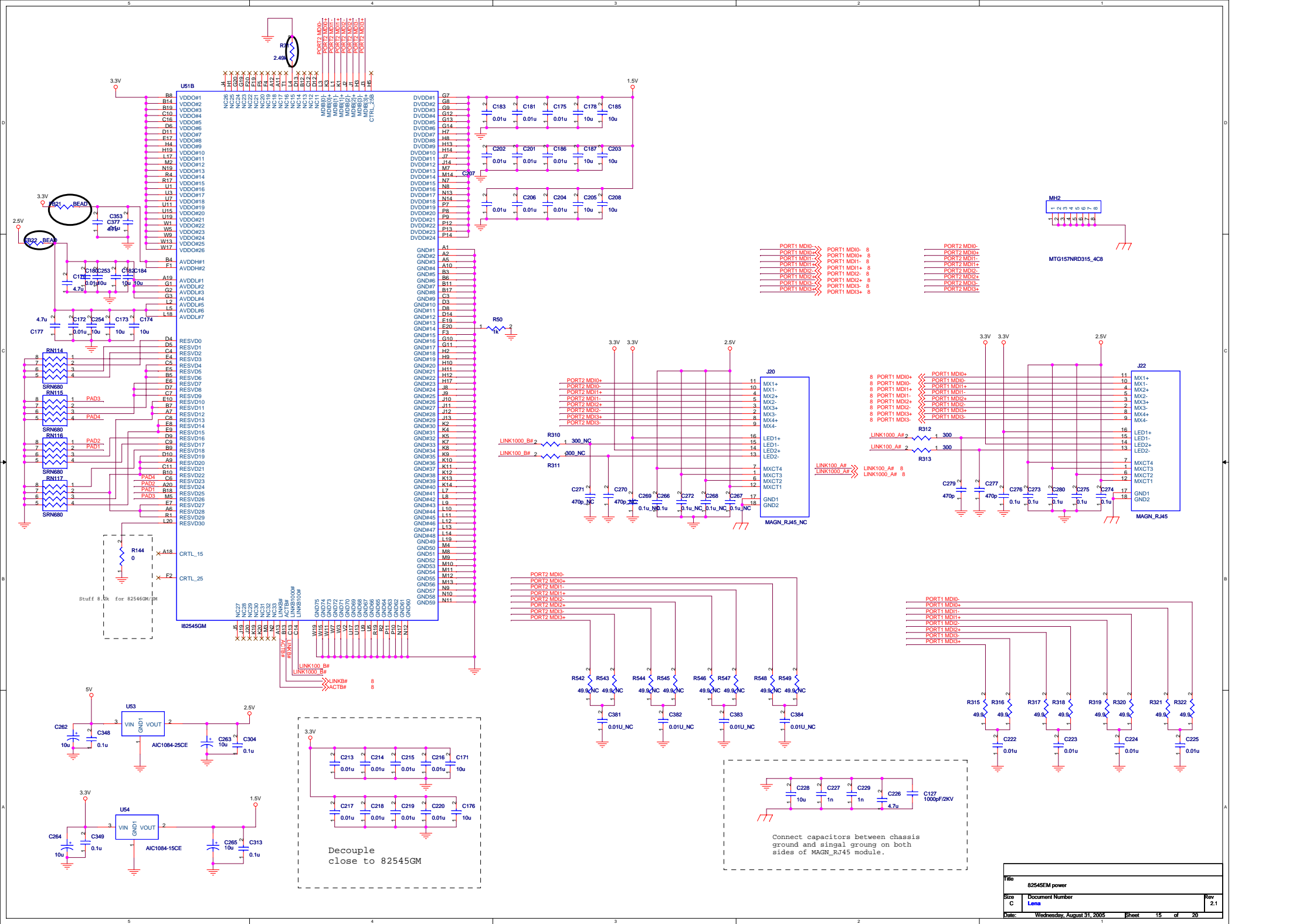
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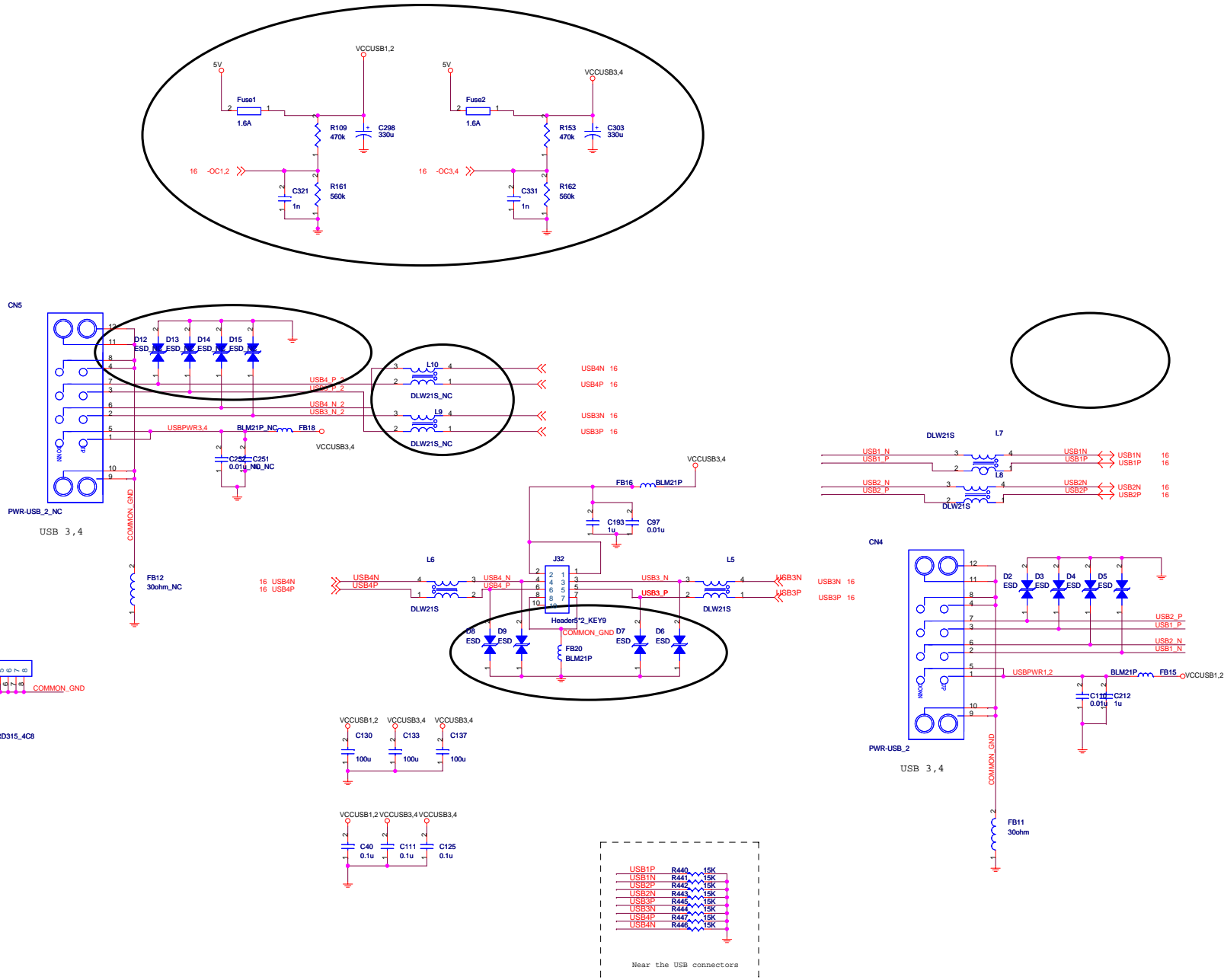
MH1 Connects with COMMON_GDN on page17

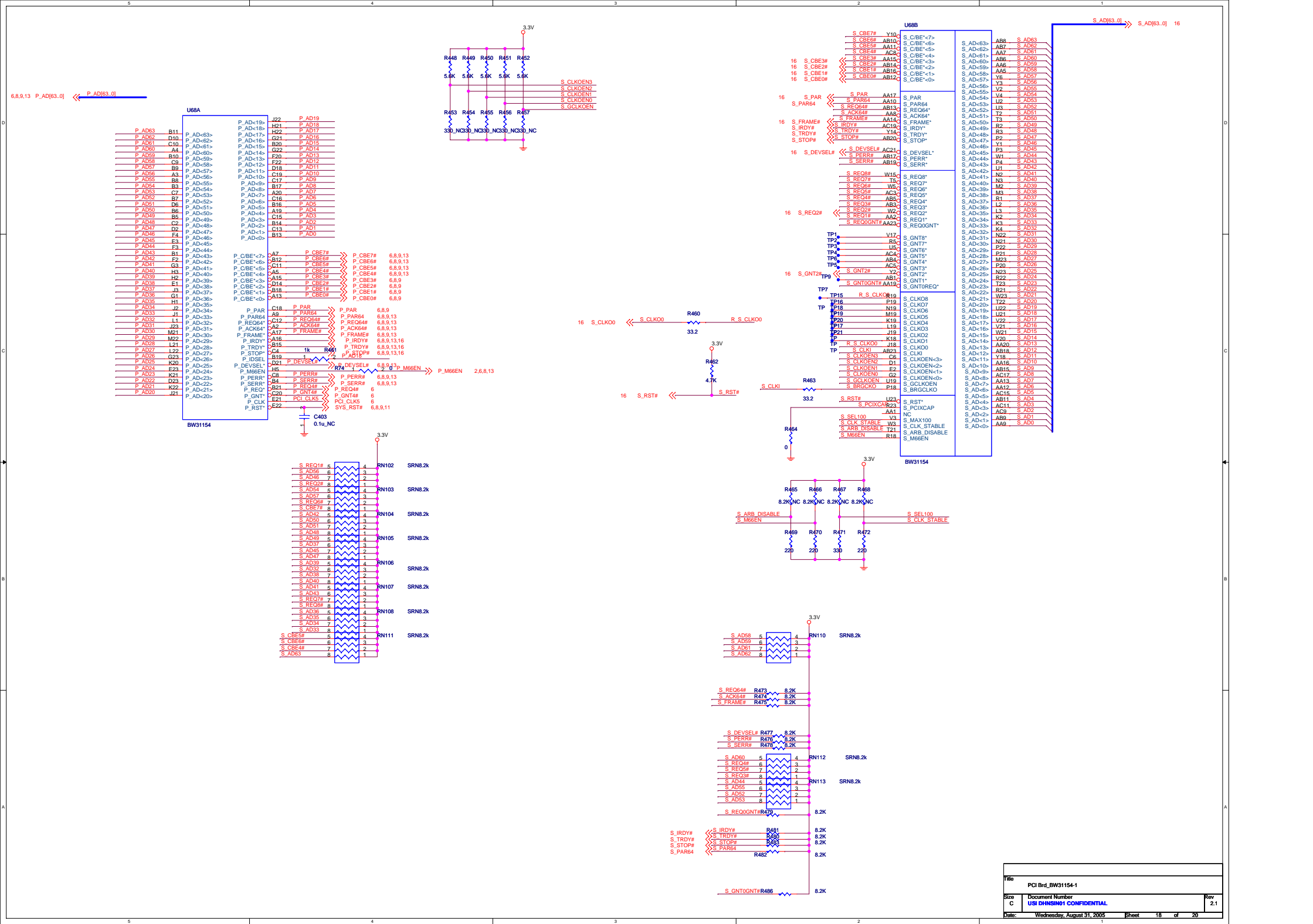
MH2 Connects with GND_EARTH on page15

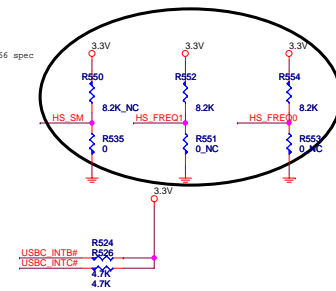
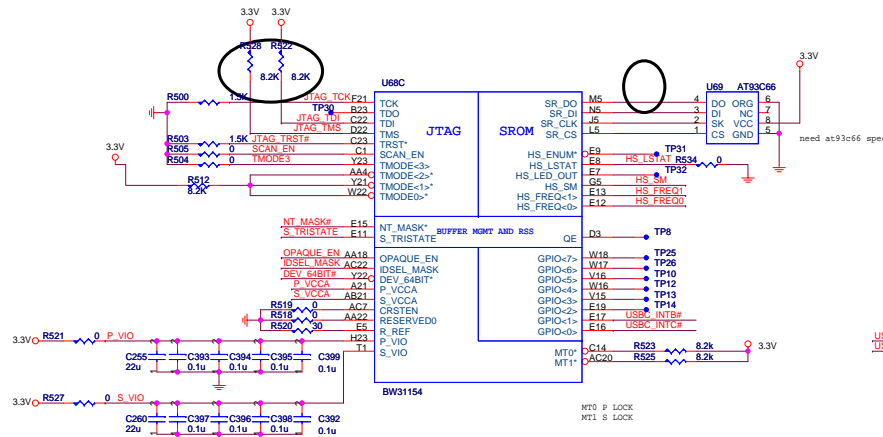
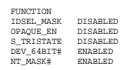
File		
Mechanical hole		
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Ver1.0--> Ver1.1
1: Change R35,R49,R50 pull up the voltage:VTT -> 3.3V (Page 4)
2: Delete U9 pin19 net(Page 2)
3: Add 4.7k pull up resistor in U55 pin53(Page 2)
4: Delete 4.7k pull up resistor in U55 pin15(Page 2)
5: Modify netP_AD19 to connect R41
6: Delete CRTL_15 and CRTL_25 circuit
7: Add AIC1117_18 voltage LDO

Ver1.1--> Lena MB V0.1
1: Add USB Host Controller
2: Change EMI and ESD component on page17
3: Delete Power MCU fuction on page11
4: Add Mount hole
5: Add U62(IDTQ3126) on page 11
6: Add power test resistor
7: Change Ethernet Controller from 82545 to 82546
8: Add PCI Bridge BW311544
9: Change USB controller from ISP1760 to VT6212
10: Change U63 footprint(PQFP->LQFP)
11: Change DDR CKE pull-up voltage value(3.3v->2.6VQ)

Leba MB V0.1--> Lena MB V0.2
1: Change R460,R463 value(33ohm-->33.2ohm)
2: Remove R459,R522,R528
3: Add C255,C256,C292,C293,C294,C295,C296,C297,C298,C299,c391
4: Change 2.6VQ and VTTDDR power module
5: Chagne 2.5V and 1.5V power module
6: Change J21 connector model

Leba MB V0.2--> Lena MB V2.1
1: Stuff R183,R308,R516,C375,C368
2: Delete R158,R145,R423,R510,C107,C238,C33
3: Add C500,C501,C502,C503,C504,U74,R600,R601
4: Change R152 value: 1.96K--> 12K

File History		
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