V30SI1 Schematics Rev:C

V30SIX M/B Ver:C
P/N: 37GV30000-C0
Made in China

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V30SIX REV:C P/N LIST

	PCB P/N	PCB ASSY P/N
C PHASE	37GV30000-C0	82GV30000-C0
V40SIX LID BD	35GWV4000-B0	80GWV4000-B0

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Title: Cover Page

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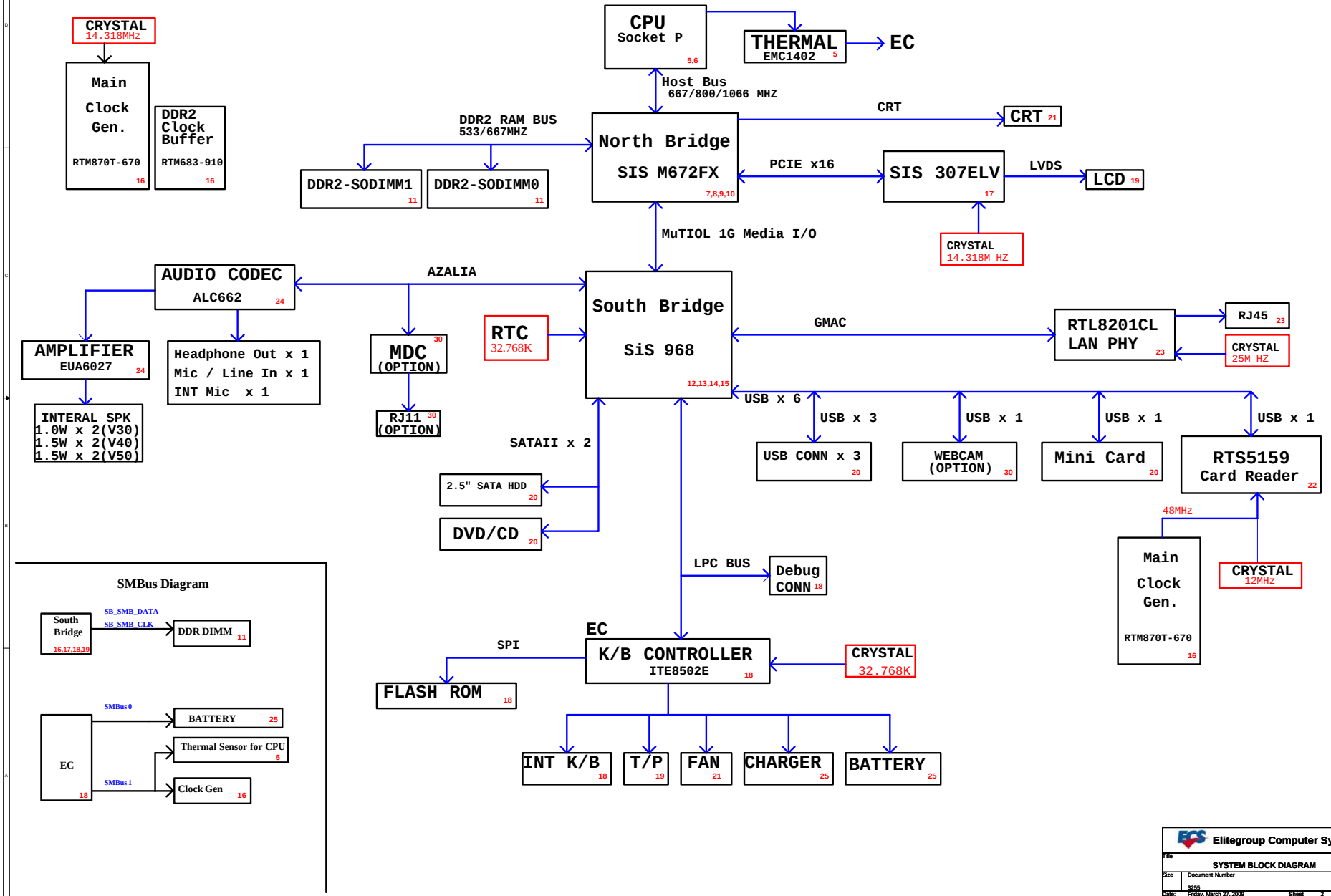
V30SI1
SYSTEM BLOCK DIAGRAM



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Title	SYSTEM BLOCK DIAGRAM	
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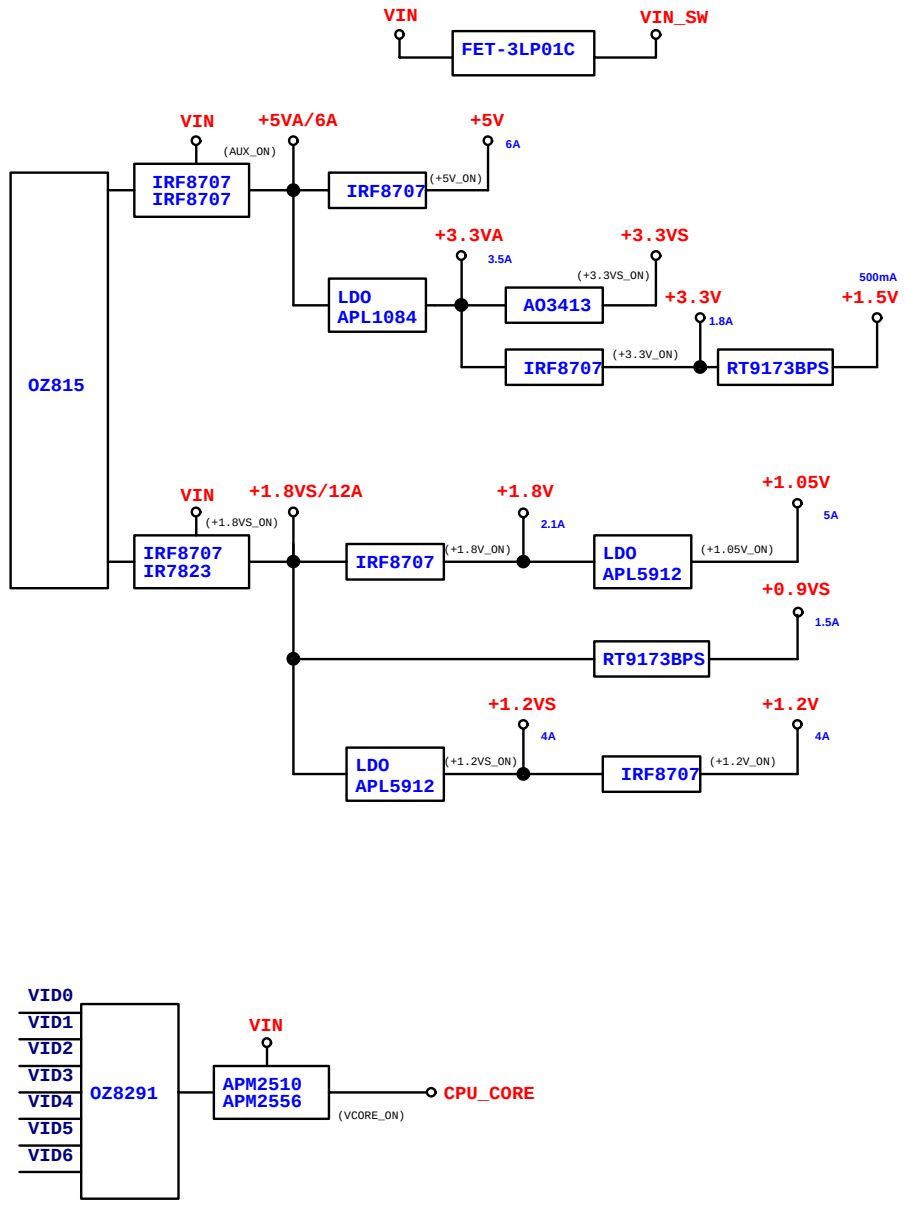
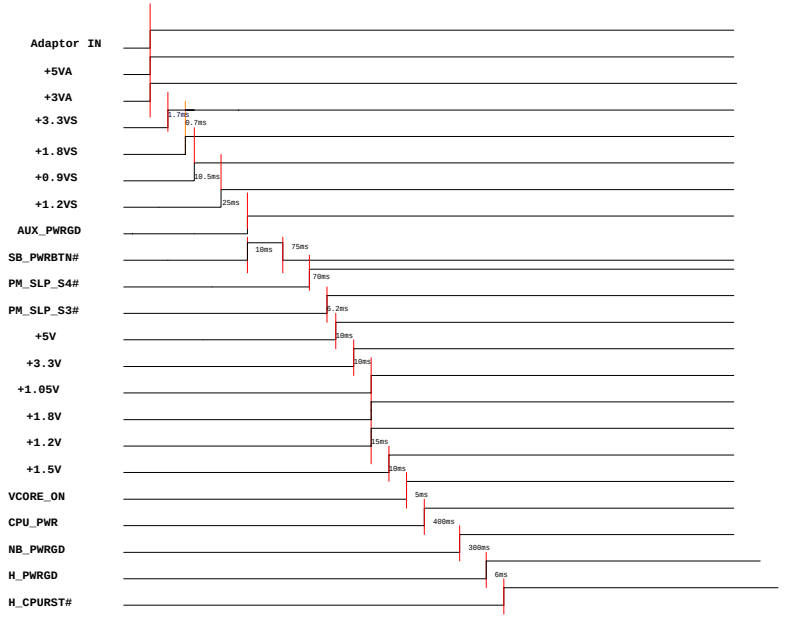
POWER BLOCK DIAGRAM



POWER Sequence



Elitegroup Computer Systems		
Title: POWER DIAGRAM & SEQUENCE		
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SIS968 GPIO

GPIO0	EC_EXTSMI#
GPIO1	NC
GPIO2	PM_THROTTING#
GPIO3	EC_EXTSCI#
GPIO4	NC
GPIO5	NC
GPIO6	NC
GPIO7	NC
GPIO8	NC
GPIO9	NC
GPIO10	PM_SLP_S4#
GPIO11	AGPSTOP_N
GPIO12	CPU_DPSLP#
GPIO13	PM_DPRSLPVR
GPIO14	NC
GPIO15	PM_SLP_S3#
GPIO16	NC
GPIO17	H_A20GATE
GPIO18	H_RCIN#
GPIO19	SB_SMB_CLK
GPIO20	SB_SMB_DATA

ITE8502E GPIO

GPA0	BTL_BEEP
GPA1	EC_BL_PWM
GPA2	AUX_PWRGD
GPA3	RF_LED
GPA4	WEBCAM_ON
GPA5	ODD_DET
GPA6	RF_ON
GPA7	SPI_SW#
GPB0	SENBAT_V
GPB1	NC
GPB2	+1.2V_ON
GPB3	BAT_SMBCLK
GPB4	BAT_SMBDAT
GPB5	H_A20GATE
GPB6	H_RCIN#
GPB7	MUTE
GPC0	Amp_Saving
GPC1	SMBCLK_EC
GPC2	SMBDAT_EC
GPC3	NC
GPC4	PWR_KEEP
GPC5	NC
GPC6	SB-PWRBTN#
GPC7	SB_RTCRST
GPD0	AC_IN
GPD1	INT1
GPD2	PLT_RST#
GPD3	EC_EXTSCI#
GPD4	EC_EXTSMI#
GPD5	PWROK
GPD6	PM_THROTTING#
GPD7	DELAY_VR_PWRGOOD
GPE0	+3.3VS_ON
GPE1	Low Voltage
GPE2	CHG_R_LED
GPE3	NC
GPE4	PWRON
GPE5	CHG_G_LED
GPE6	USB0_EN#
GPE7	IO_Saving
GPF0	H_SB_PROCHOT#
GPF1	SAFETY
GPF2	CPU_BSEL0
GPF3	CPU_BSEL1
GPF4	TP_CLK
GPF5	TP_DATA
GPF6	SMB_CLK_GEN_G
GPF7	SMB_DATA_GEN_G
GPG0	LCDSW
GPG1	+3.3V_ON
GPG2	FLFRAME#
GPG6	LID#
GPH0	VCORE_ON
GPH1	+1.2VS_ON
GPH2	+5V_ON
GPH3	+1.8V_ON
GPH4	+1.05V_ON
GPH5	+1.8VS_ON
GPH6	PWR_LED

ITE8502E GPIO

GPI0	BATT_TEMP
GPI1	ADAPTOR_I
GPI2	BAT_V
GPI3	BAT_I
GPI4	PM_SLP_S4#
GPI5	PM_SLP_S3#
GPI6	NC
GPI7	CPU_PWR
GPJ0	Fast-charge-EN
GPJ1	CHG_I
GPJ2	FAN_CTRL0
GPJ3	CHG_ON
GPJ4	EC_BRGHT
GPJ5	SET_V

CPU

	CPU CORE(V)	ICC(mA)	W	TEMP(℃)
2.0G	1.525	35.7	54.3	69
2.2G	1.525	37.5	57.1	70
2.26G	1.525	38.1	58.0	70
2.4G	1.525	39.3	59.8	71
2.5G	1.525	40	61.0	72
2.53G	1.525	40.4	61.5	72
2.6G	1.525	41.05	62.6	72
2.66G	1.525	43.35	66.1	74
2.8G	1.525	44.86	68.4	75
3.06G	1.525	55.9	85.2	81

VCC	ICC(mA)	W	TEMP(℃)
+1.5V	130	0.195	70
+1.05V	4500	4.725	

M672FX

VCC	ICC(mA)	W	TEMP(℃)
+1.2V	3218	3.86	70
+1.8V	1189	2.14	
+1.05V	80	0.084	

SIS968

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	95	0.314	70
+1.8V	1252	2.253	
+1.05V	22	0.023	

307ELV

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	236	0.778	70
+1.8V	681	1.225	

CLOCK GENERATOR+BUFFER

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	400	1.32	70
+1.8V	300	0.54	

ITE8502E

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	200	0.66	70
+3.3VA	500	1.65	

RTS5159

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	293	0.966	85

RTL8201CL

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	120	0.396	85

ALC662

VCC	ICC(mA)	W	TEMP(℃)
+3.3V	23	0.075	70
+5VA	38	0.19	

APA2068

VCC	ICC(mA)	W	TEMP(℃)
5V	20	0.1	85

BMC1402

VCC	ICC	W	TEMP(℃)
+3.3V	150uA	0.495mW	140.8

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Title: GPIO & POWER Consumption

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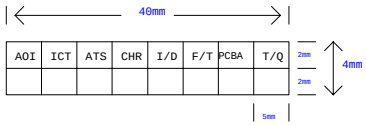
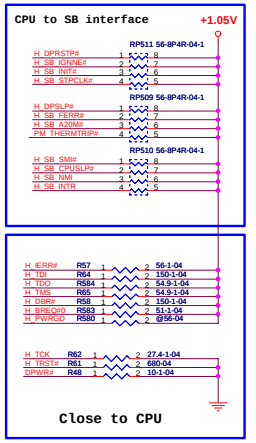
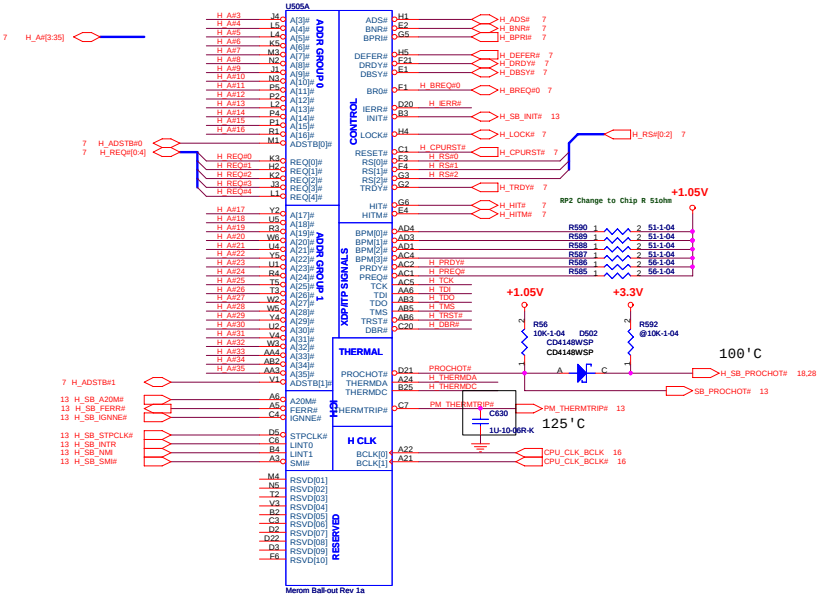
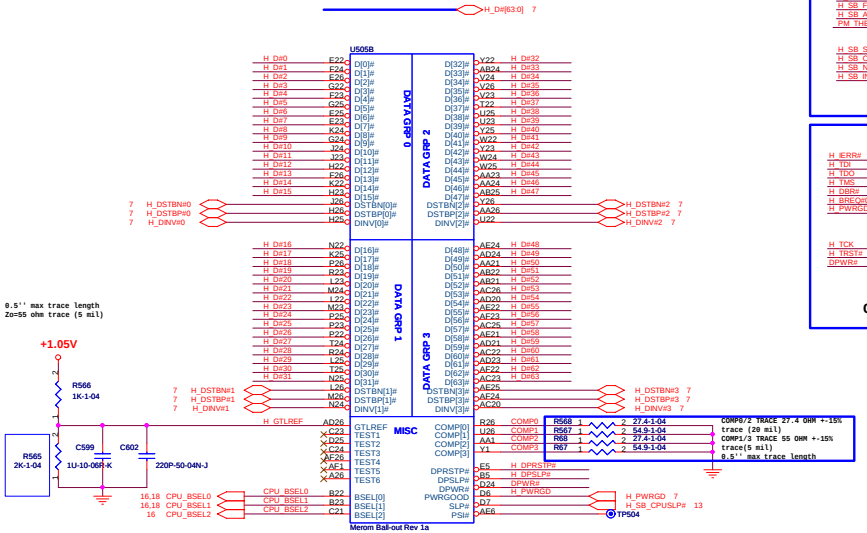
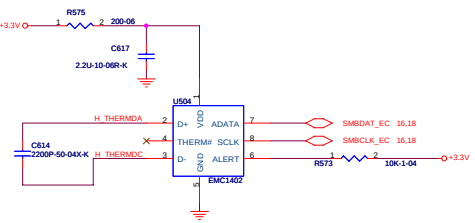


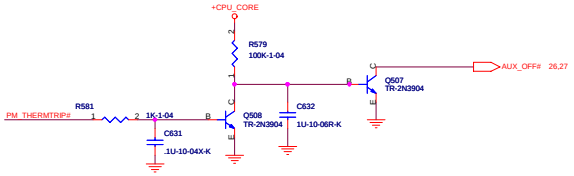


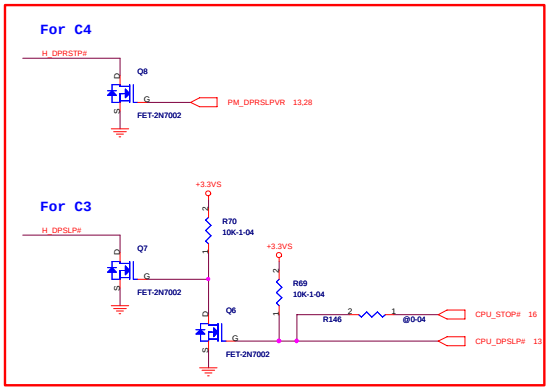




CPU Thermal Sensor







Elitegroup Computer Systems	
Title	CPU HOST & Thermal sensor
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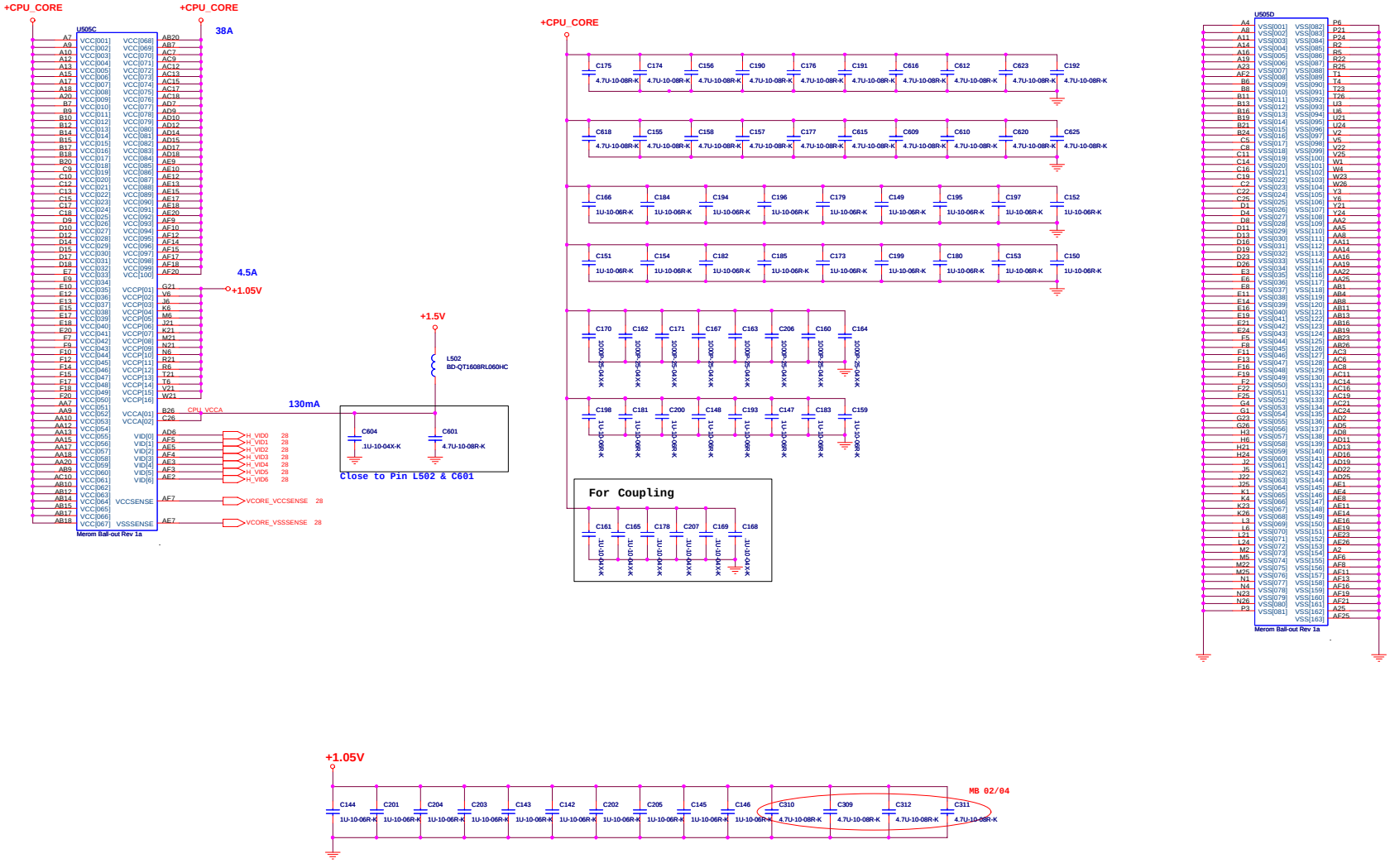

Title	CPU Power
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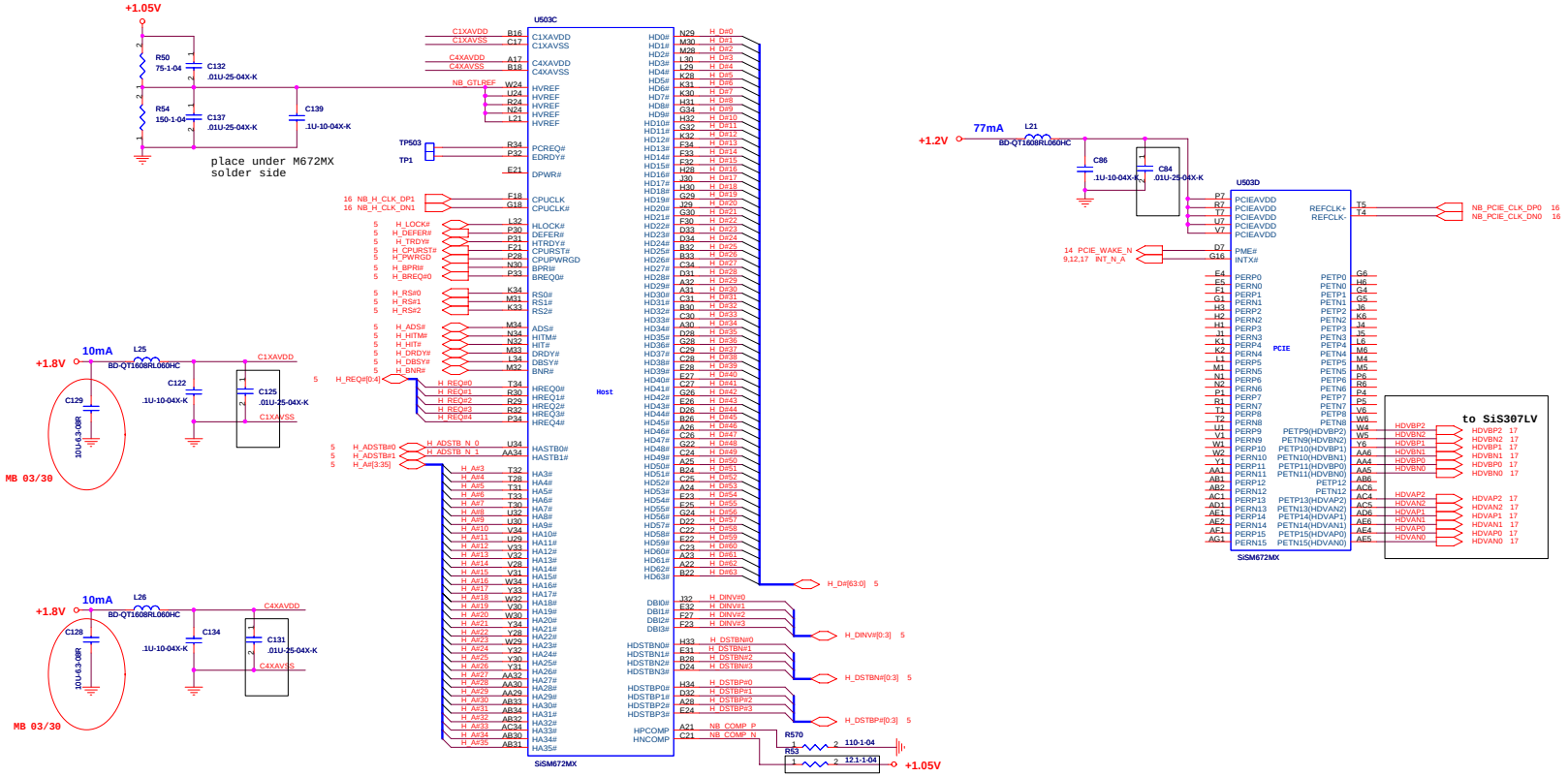

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Title: 672MX\672FX_HOST_PCIE

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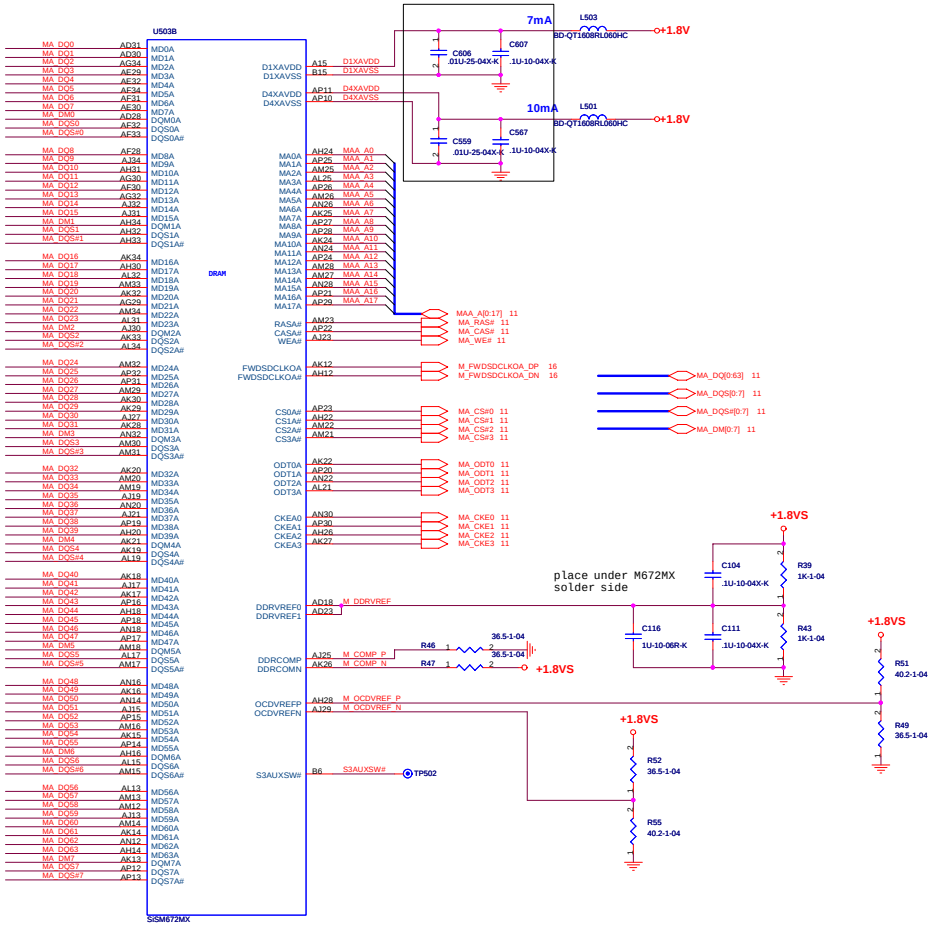

Elitegroup Computer Systems	
Title	672MX\672FX_DRAM
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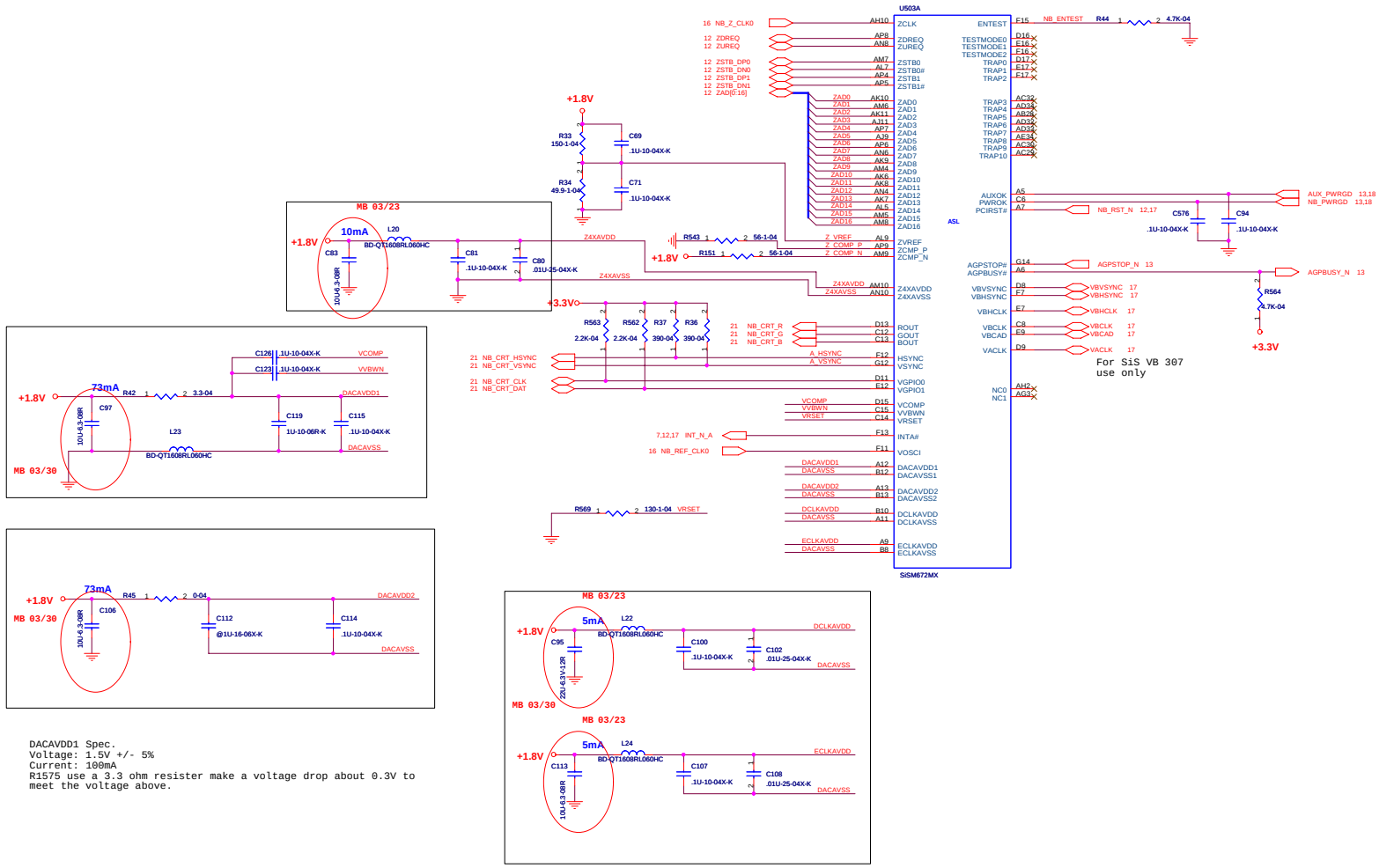

Elitegroup Computer Systems	
Title	672MX\672FX_MuTIOL_VGA
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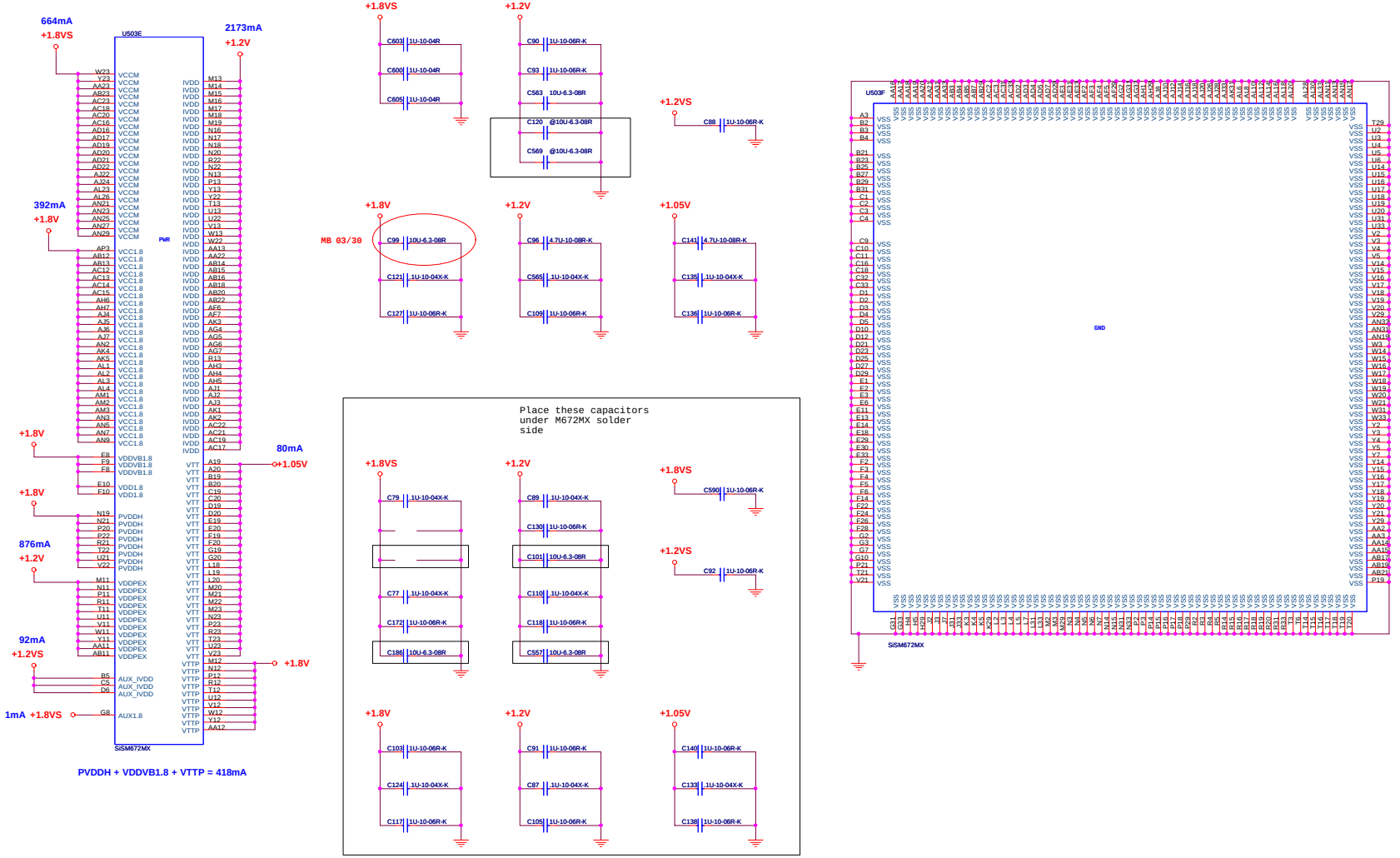

Elitegroup Computer Systems			
Title: 672MX\672FX_PWR_GND			
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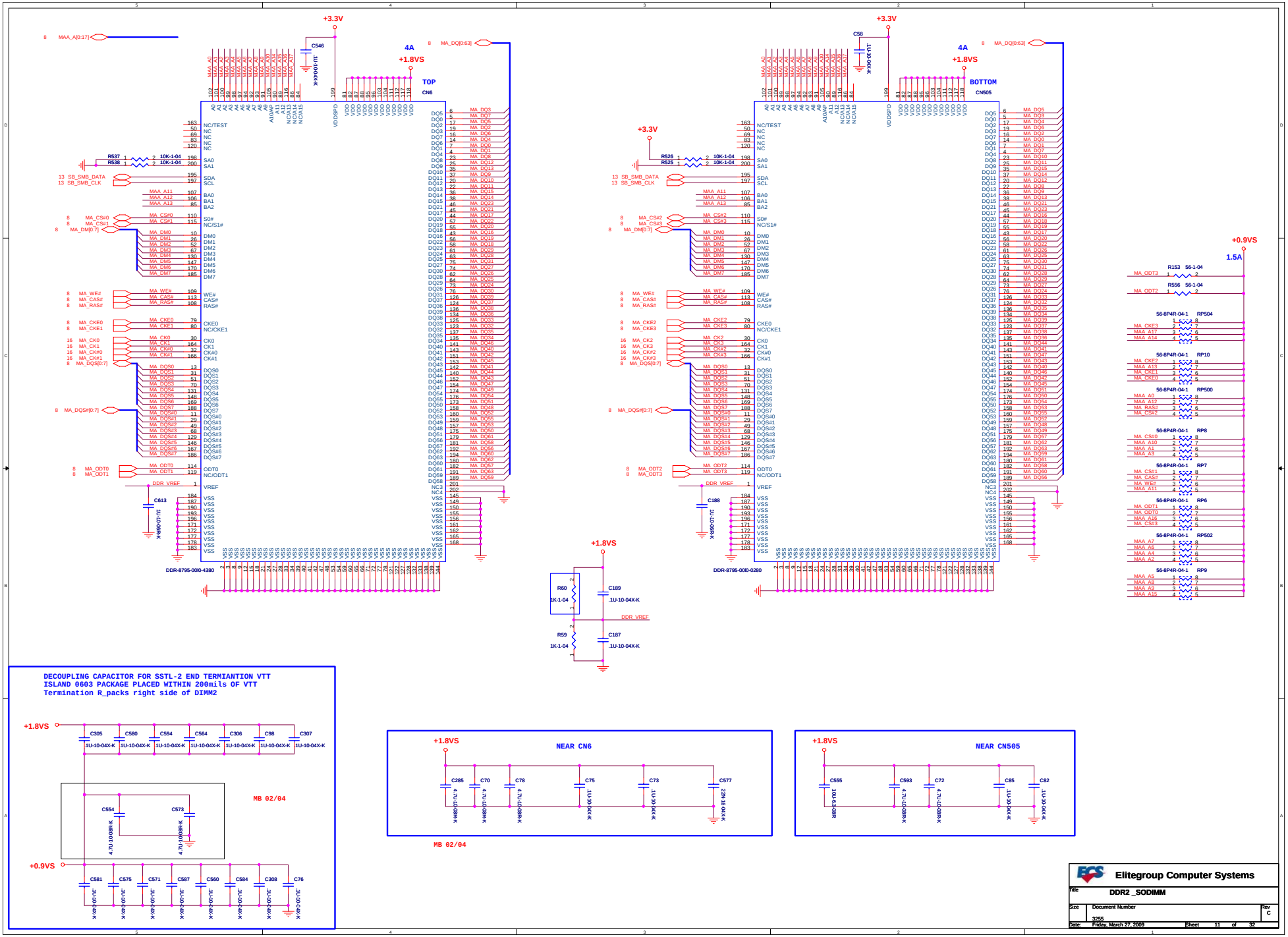
+3.3V
+1.8VS
+0.9VS
4A
1.5A
TOP
CN6
BOTTOM
CN505
DDR-8795-00D-4380
DDR-8795-00D-0280
MB 02/04
NEAR CN6
NEAR CN505
DECOUPLING CAPACITOR FOR SSTL-2 END TERMIANTION VTT
ISLAND 0603 PACKAGE PLACED WITHIN 200mils OF VTT
Termination R_packs right side of DIMM2
Elitegroup Computer Systems
DDR2 _SODIMM
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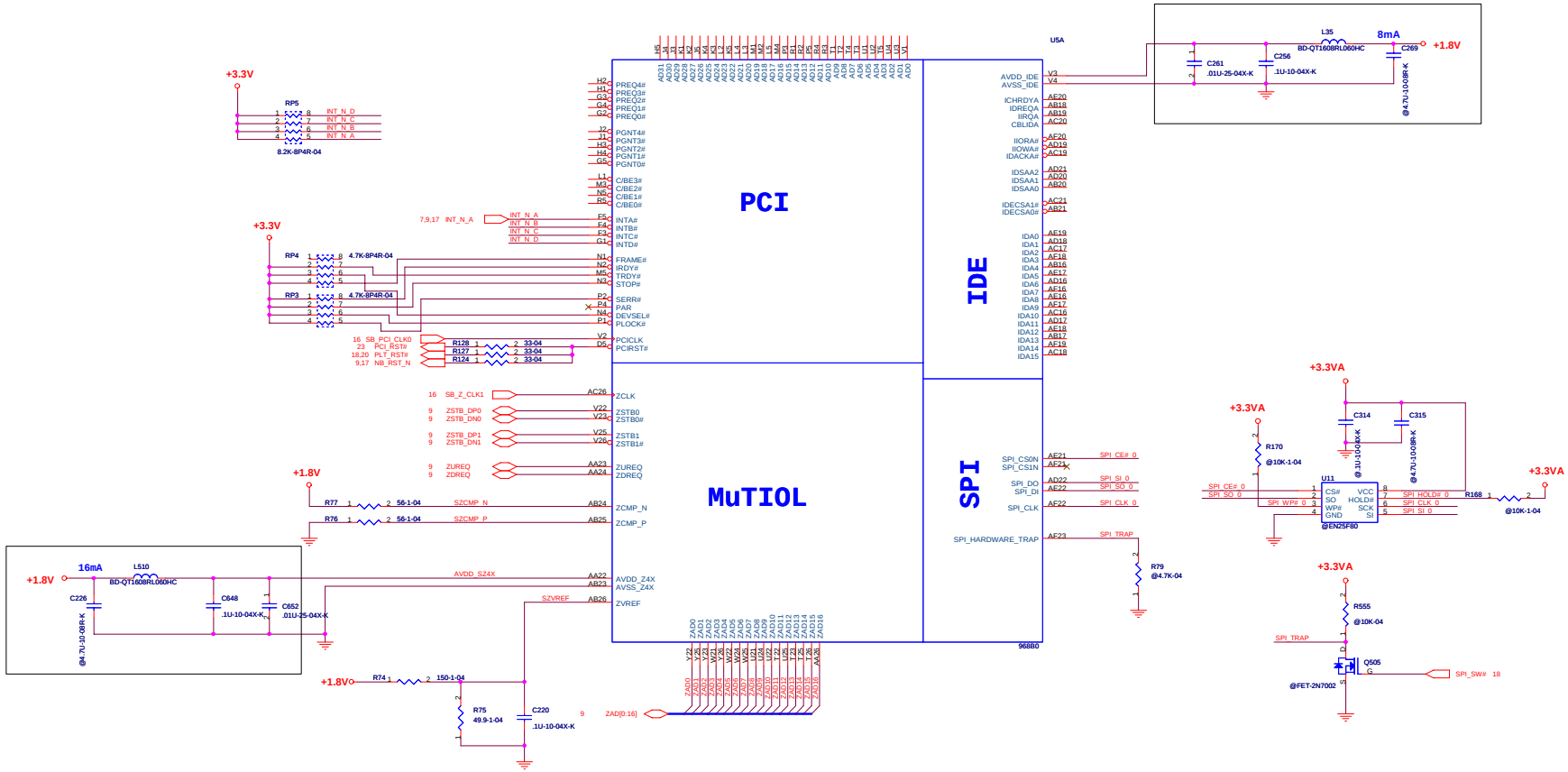

Elitegroup Computer Systems			
Title	968_PCI_IDE_MuTIOL_SPI		
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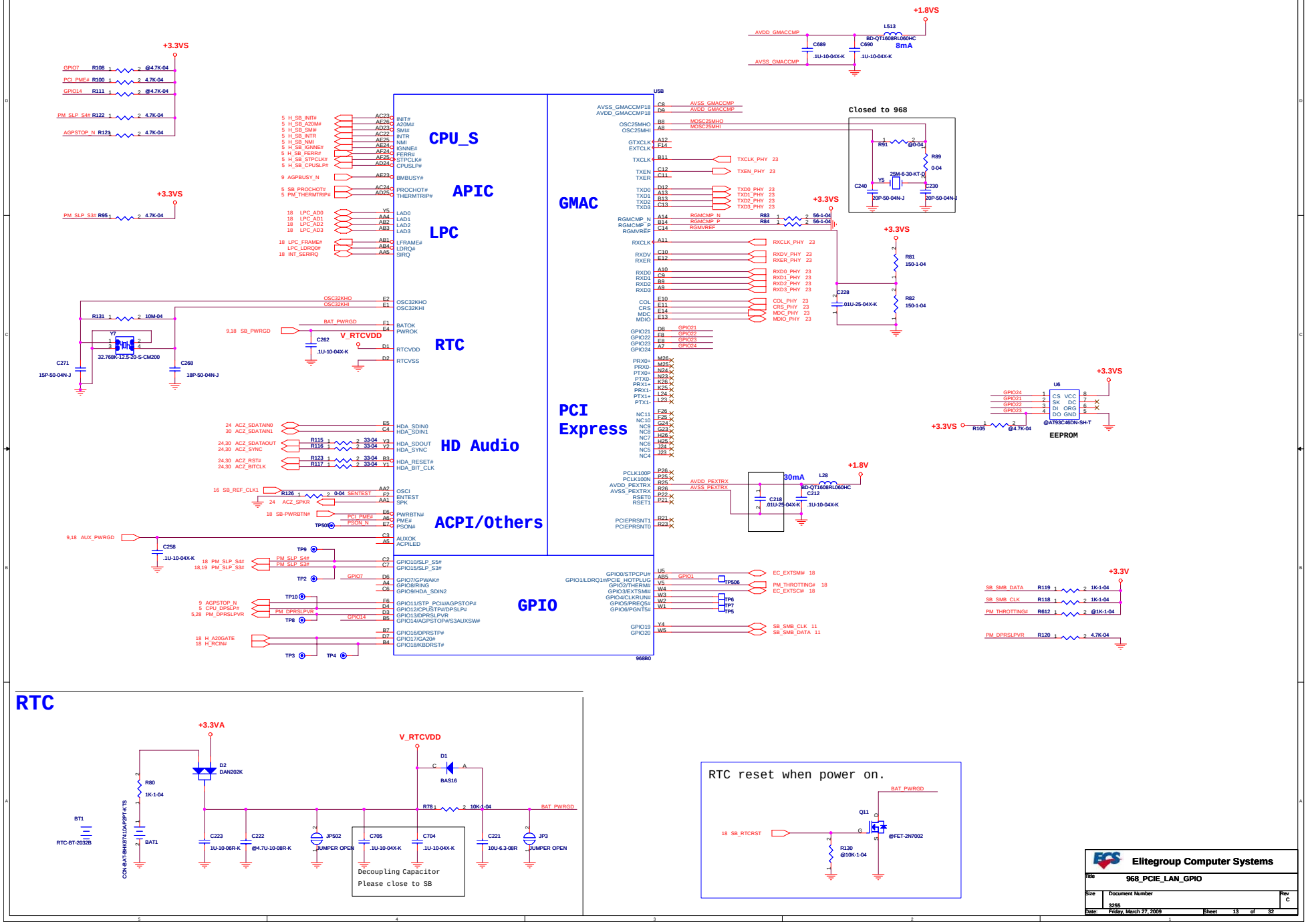
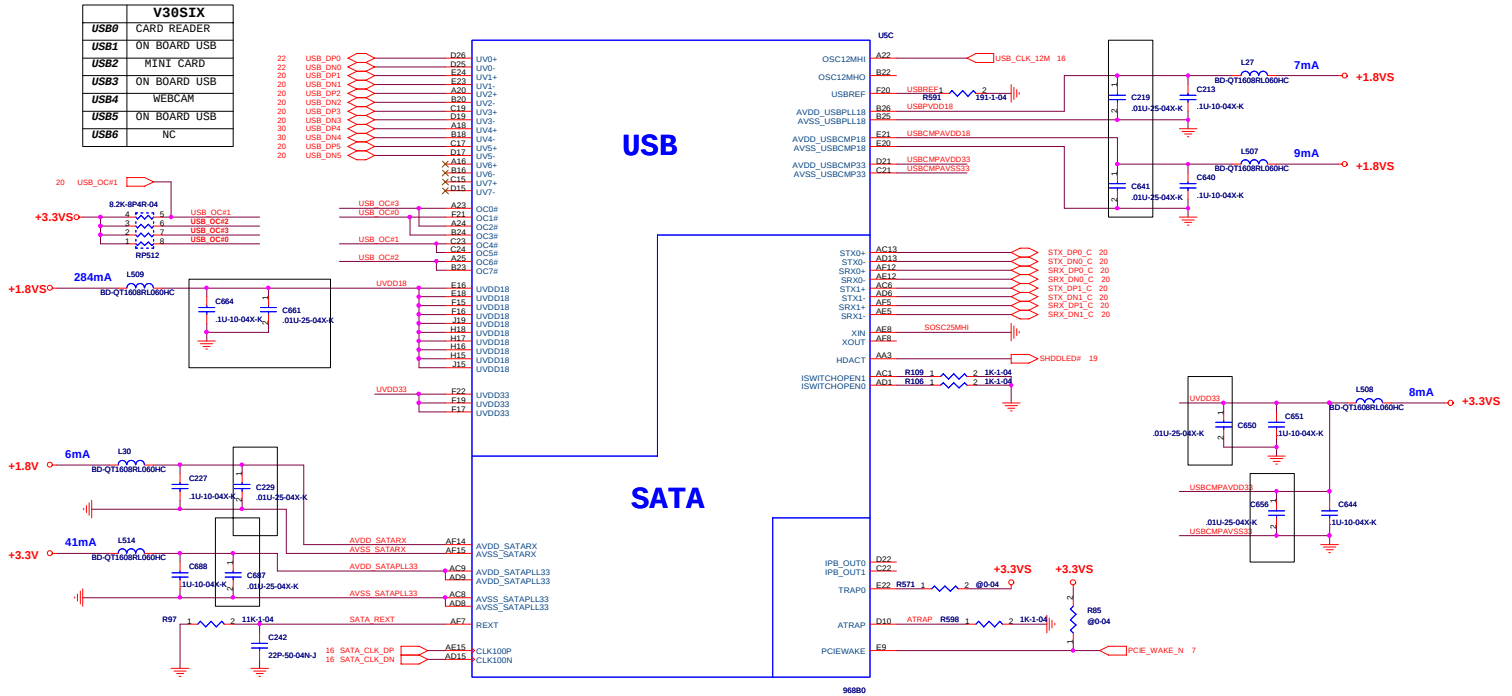

CPU_S
APIC
LPC
RTC
HD Audio
ACPI/Others
GPIO
GMAC
PCI Express
EEPROM
Closed to 968
8mA
30mA
RTC reset when power on.
Decoupling Capacitor
Please close to SB
Elitegroup Computer Systems
968_PCIE_LAN_GPIO
Friday, March 27, 2009

	V30SIX
USB0	CARD READER
USB1	ON BOARD USB
USB2	MINI CARD
USB3	ON BOARD USB
USB4	WEBCAM
USB5	ON BOARD USB
USB6	NC



Elitegroup Computer Systems			
Title: 968_USB_SATA			
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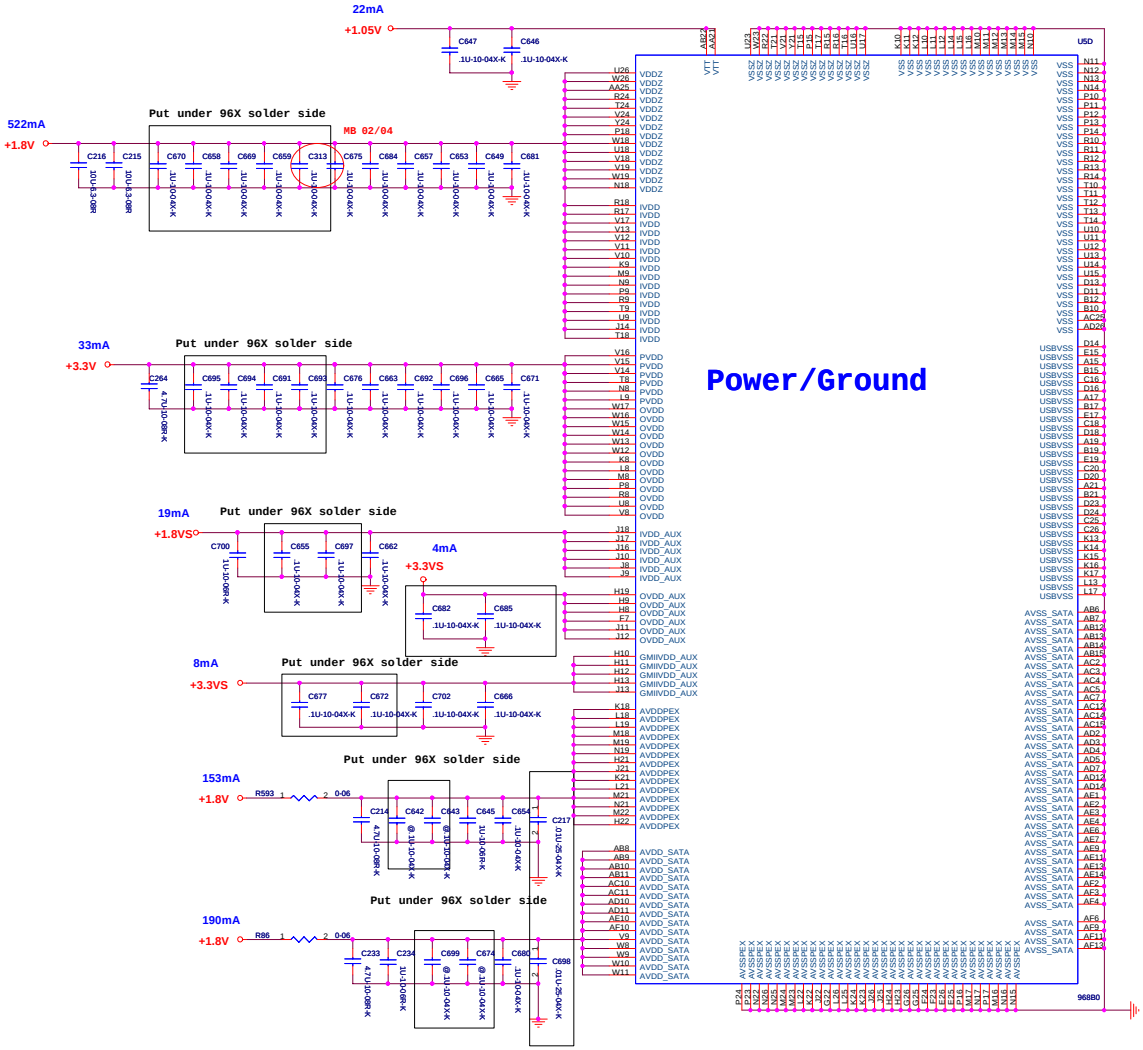

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Title	968_PWR_GND	
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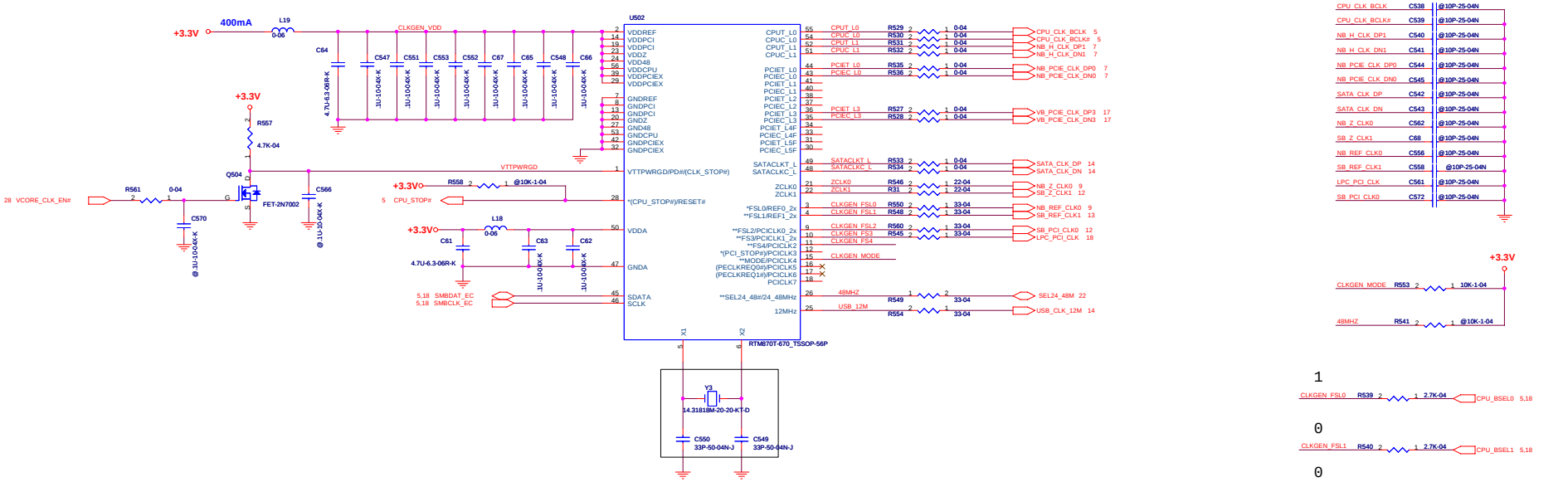
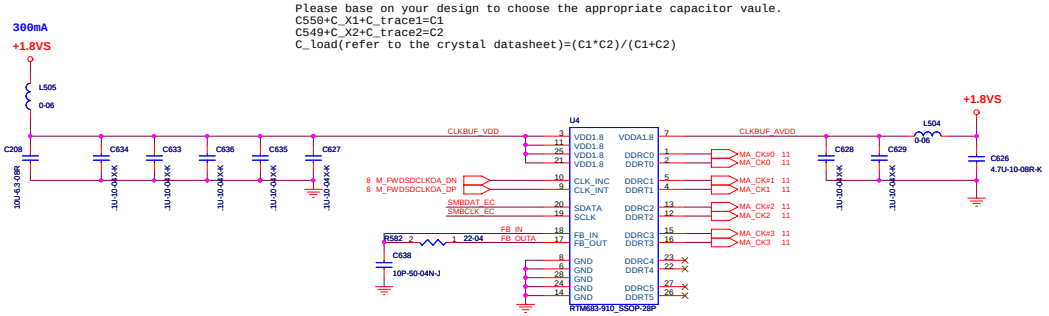


Please base on your design to choose the appropriate capacitor vaule.
C550+C_X1+C_trace1=C1
C549+C_X2+C_trace2=C2
C_load(refer to the crystal datasheet)=(C1*C2)/(C1+C2)



1
CLKGEN_FSL0 R539 2.7K-04 CPU_BSEL0 5,18

0
CLKGEN_FSL1 R540 2.7K-04 CPU_BSEL1 5,18

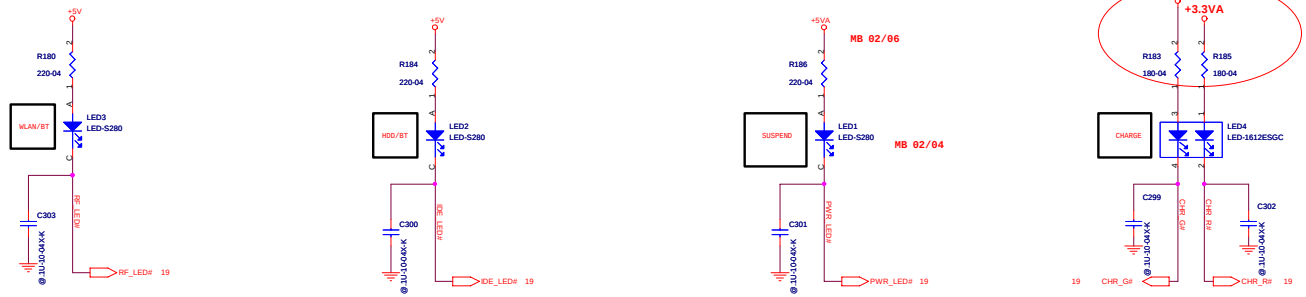
0
CLKGEN_FSL2 R559 2.7K-04 CPU_BSEL2 5

0
CLKGEN_FS3 R32 @2.7K-04 +3.3V

0
CLKGEN_FS4 R544 @2.7K-04

	BSEL4	BSEL3	BSEL2	BSEL1	BSEL0	CPU MHz	ZCLK
FSB533	0	0	0	0	1	133	133
FSB667	0	0	0	1	1	166	133
FSB800	0	0	0	1	0	200	133
FSB1066	0	0	0	0	0	266	133

LED



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Title: CLK_GEN & CLK_BUFFER

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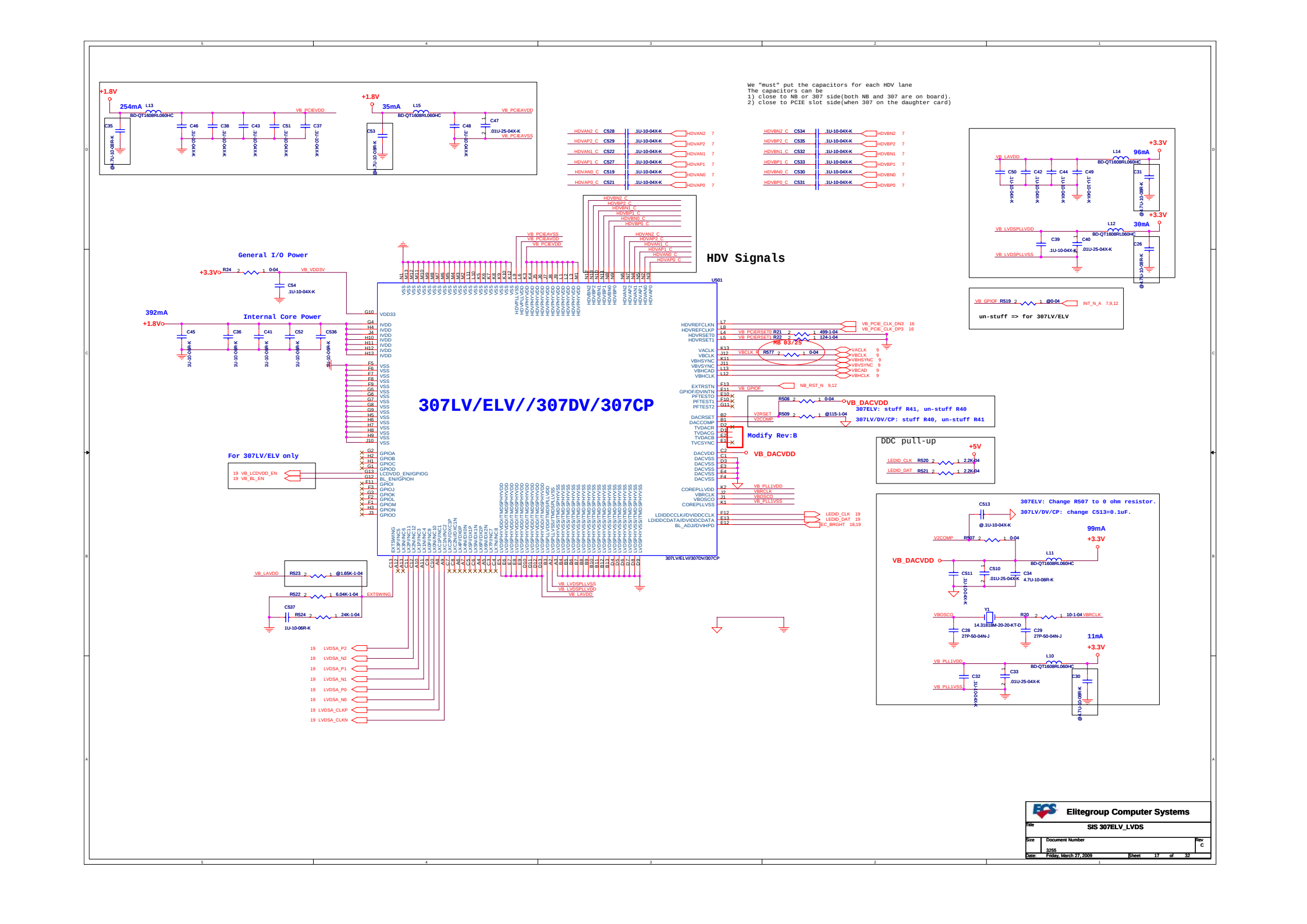
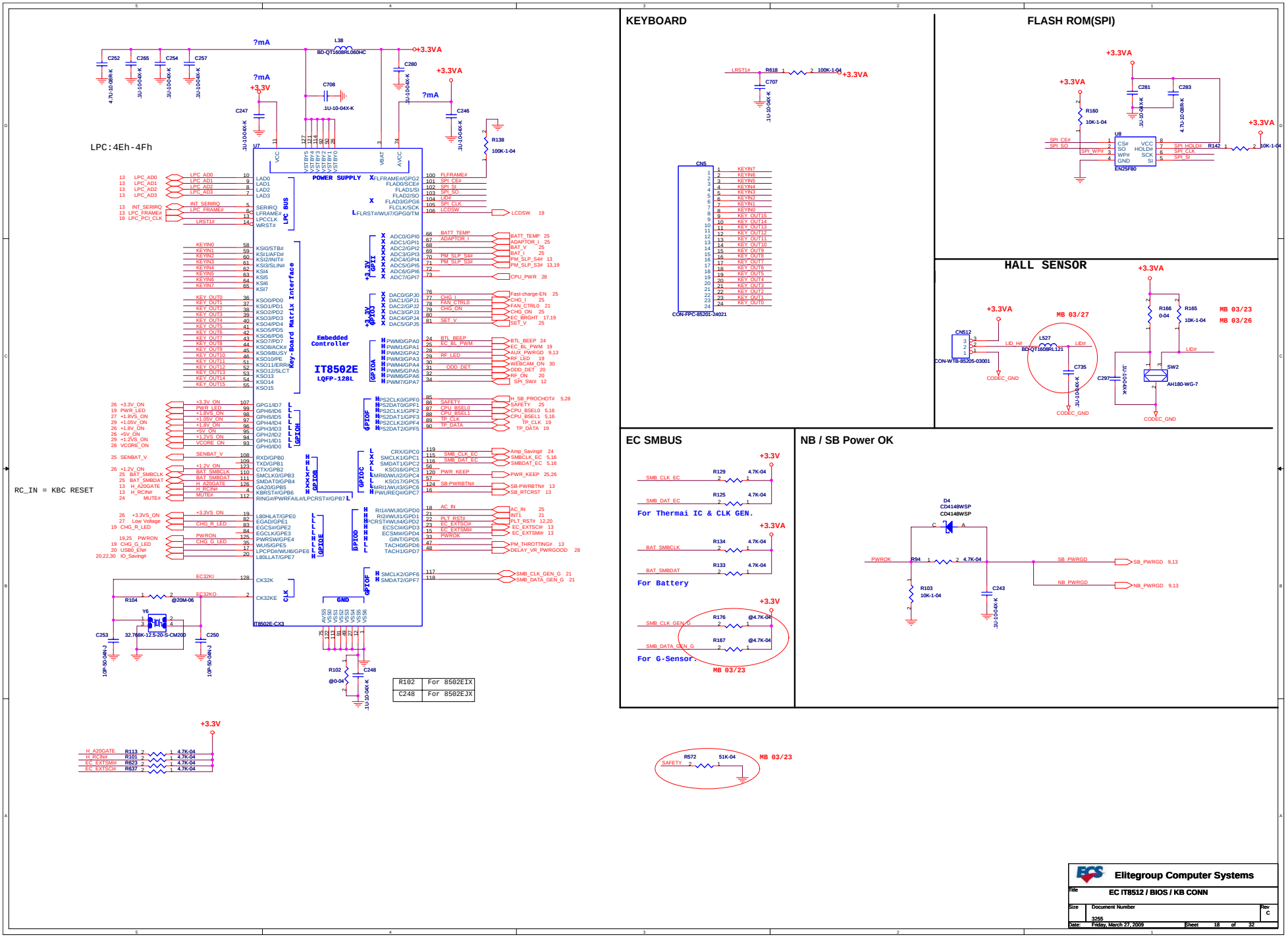
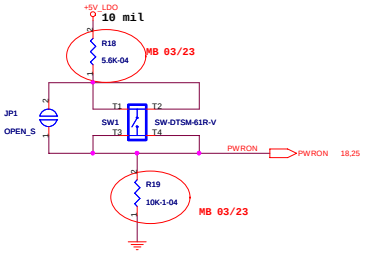
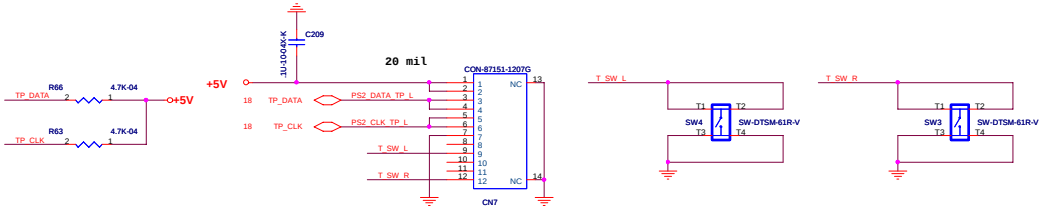

We "must" put the capacitors for each HDV lane
The capacitors can be
1) close to NB or 307 side(both NB and 307 are on board).
2) close to PCIE slot side(when 307 on the daughter card)
HDV Signals
General I/O Power
Internal Core Power
For 307LV/ELV only
307LV/ELV//307DV/307CP
Modify Rev:B
VB_DACVDD
307ELV: stuff R41, un-stuff R40
307LV/DV/CP: stuff R40, un-stuff R41
DDC pull-up
un-stuff => for 307LV/ELV
307ELV: Change R507 to 0 ohm resistor.
307LV/DV/CP: change C513=0.1uF.
Elitegroup Computer Systems
SIS 307ELV_LVDS
Friday, March 27, 2009


LPC:4Eh-4Fh
RC_IN = KBC RESET
IT8502E
LQFP-128L
Embedded Controller
Key-Board Matrix Interface
POWER SUPPLY
LPC BUS
KEYBOARD
FLASH ROM(SPI)
HALL SENSOR
EC SMBUS
NB / SB Power OK
For Thermai IC & CLK GEN.
For Battery
For G-Sensor.
MB 03/23
MB 03/27
MB 03/26
Elitegroup Computer Systems
EC IT8512 / BIOS / KB CONN

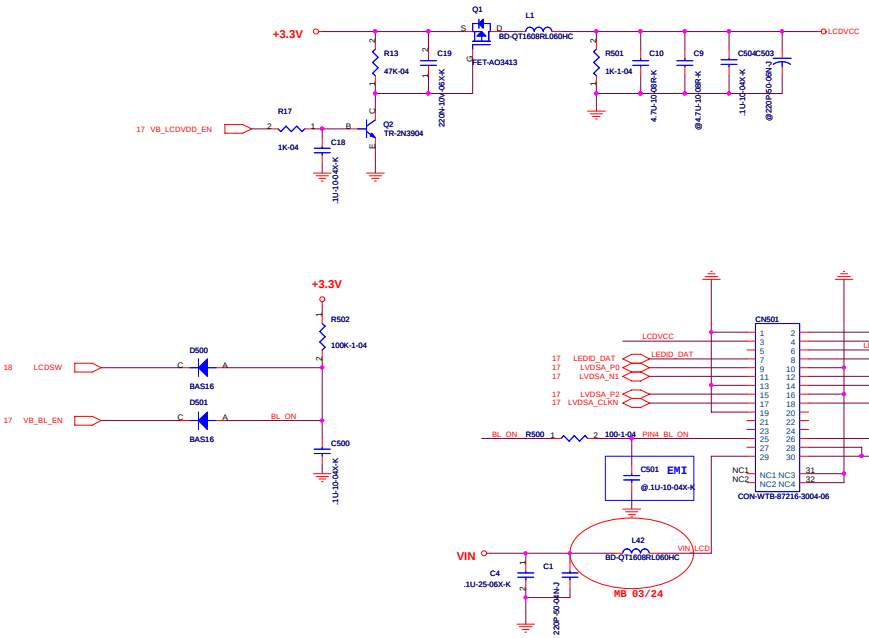
PWR SW



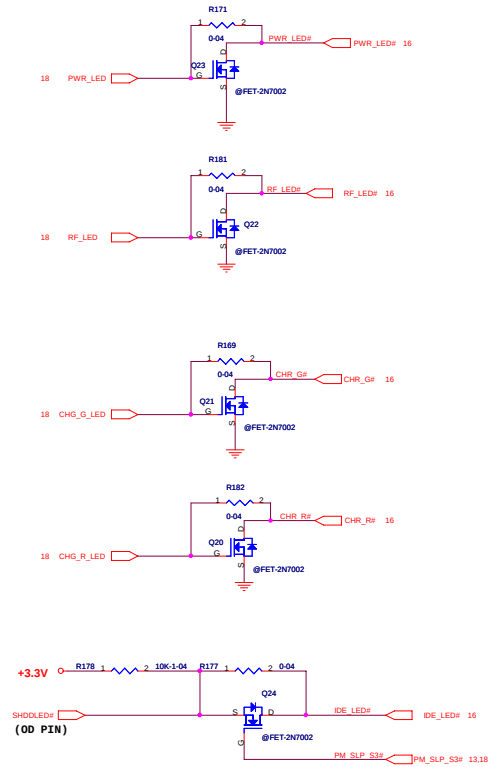
Touch Pad



LCD



LED



Elitegroup Computer Systems

Title: PWR SW / LED / LCD / TP

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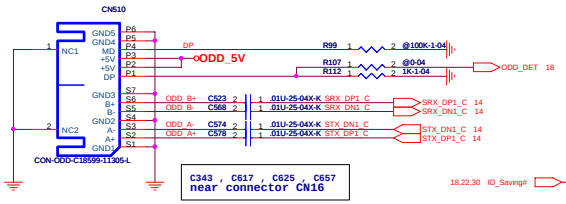
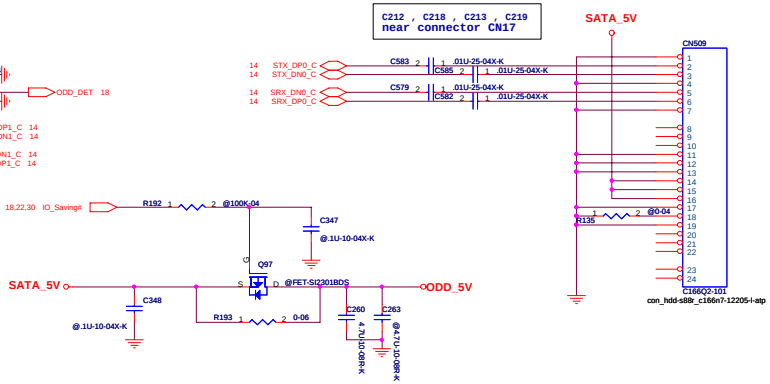
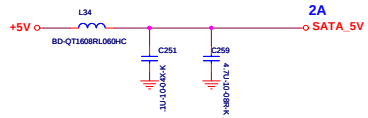
CR-ROM

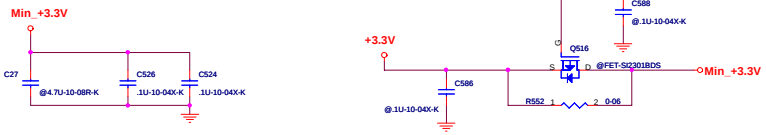


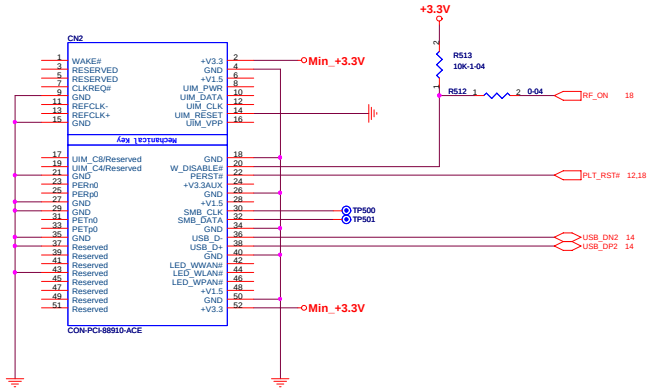
SATA-HDD





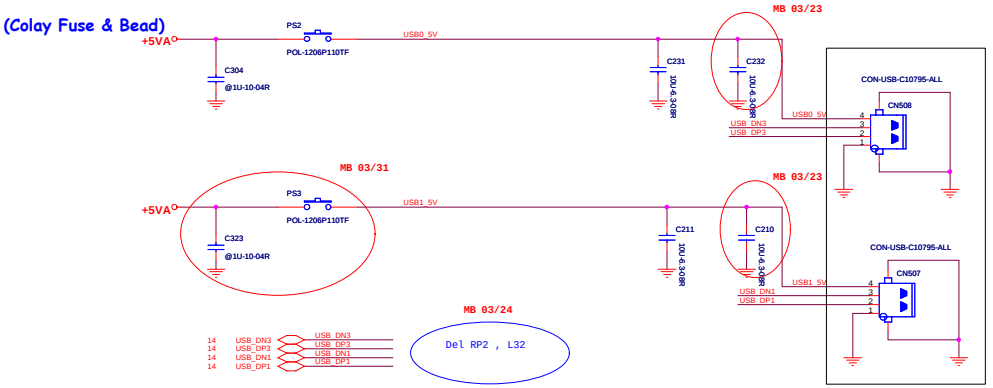
MINI CARD CONN

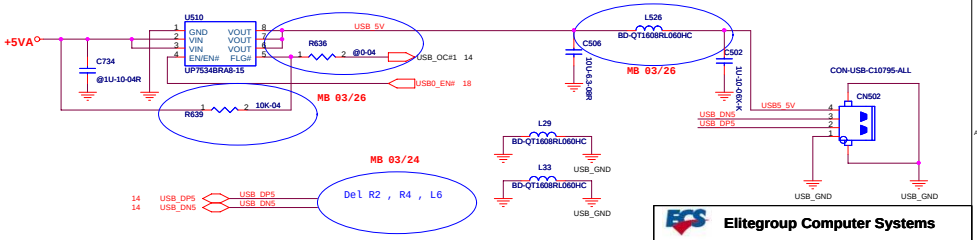




USB Port

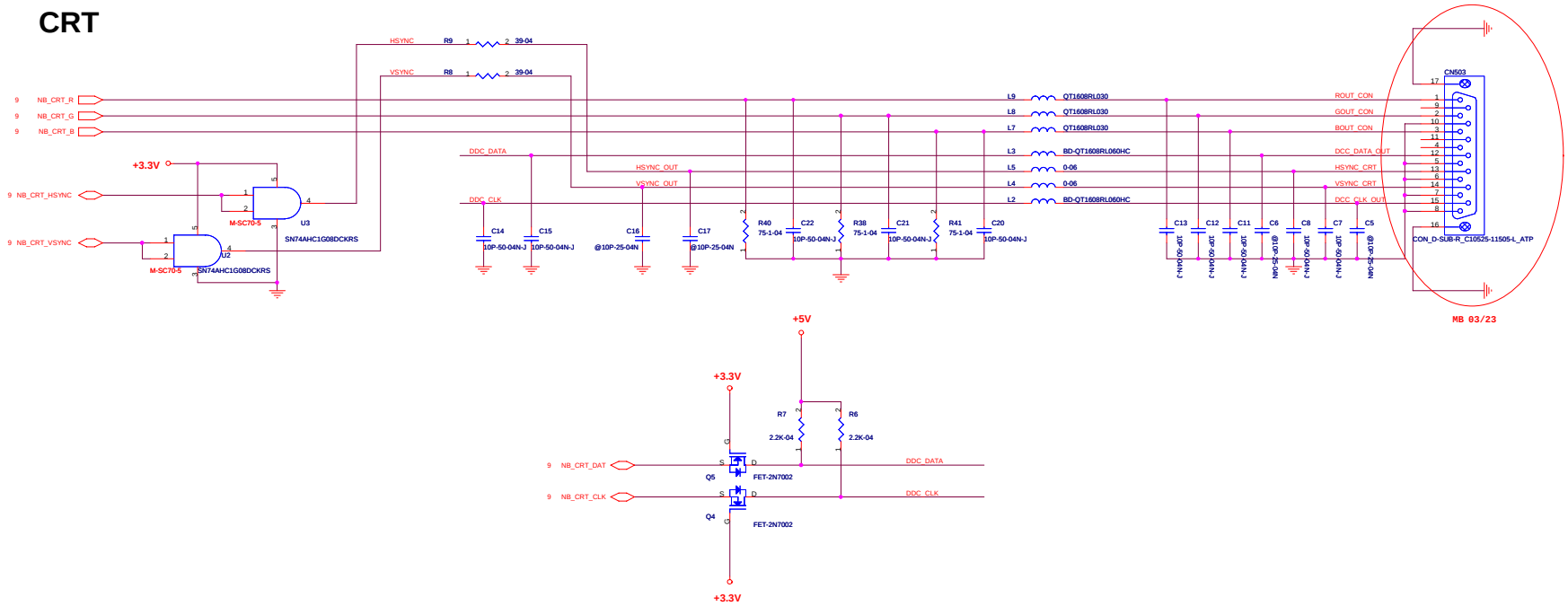
(Colay Fuse & Bead)



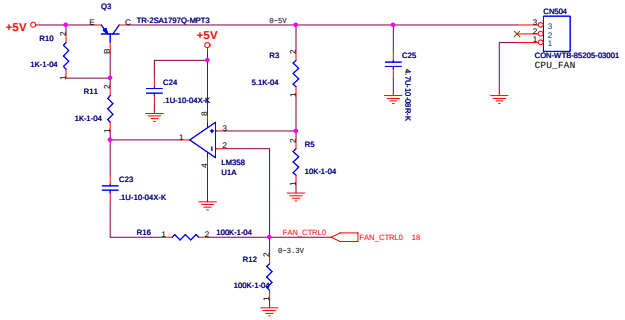


Elitegroup Computer Systems	
Title	HDD / ODD / USB / Mini Card
Size	Document Number 3255 — Rev C
Date: Tuesday, March 31, 2009	Sheet 20 of 32

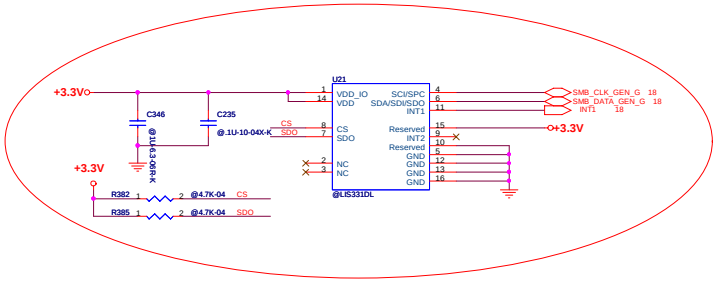
CRT



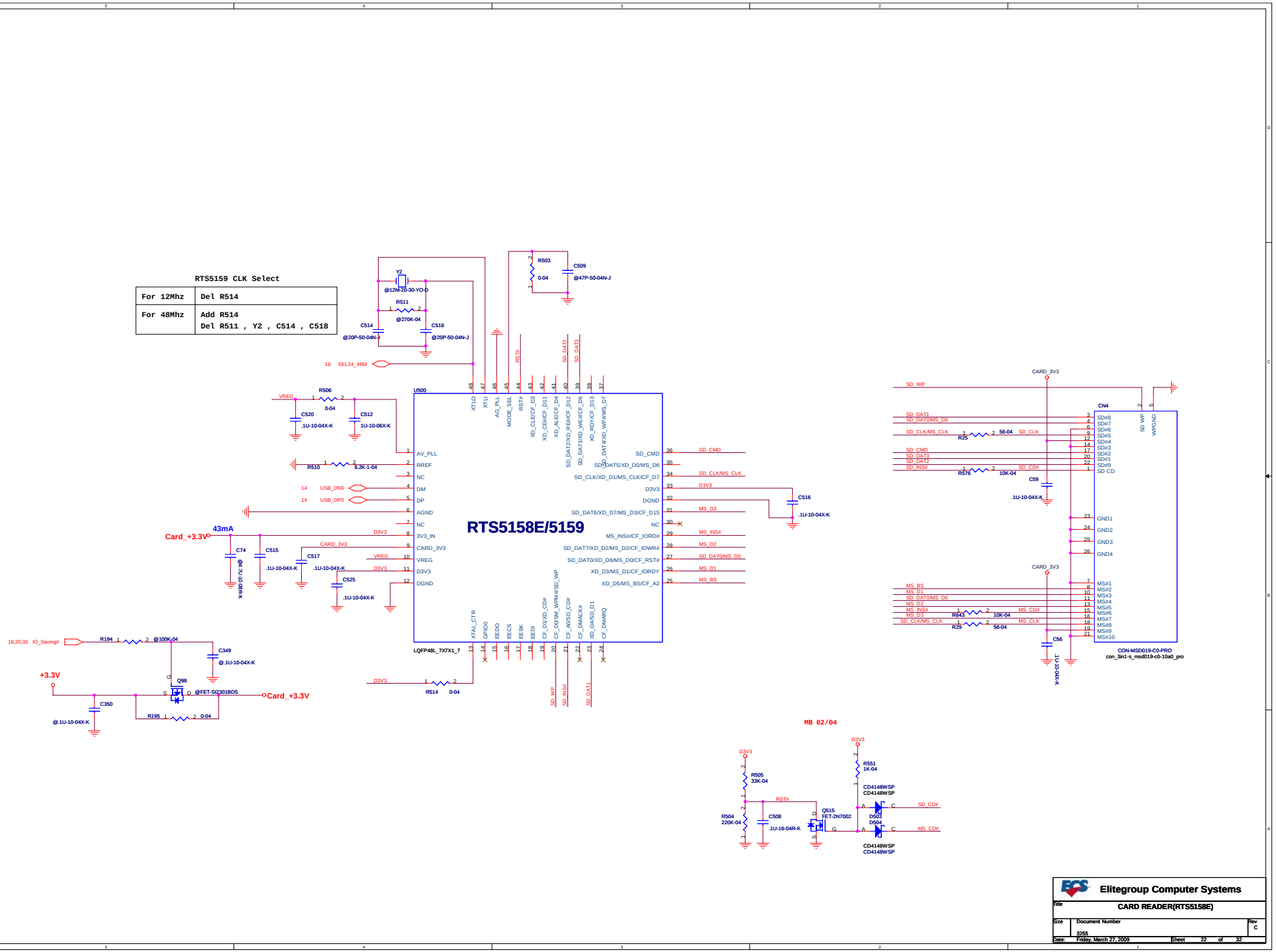
CPU FAN CONTROL



G-SENSOR



Elitegroup Computer Systems		
Title: CRT / FAN / G-Sensor		
Size:	Document Number: 3255	Rev: C
Date: Friday, March 27, 2009	Sheet 21 of 32	


RTS5159 CLK Select
For 12Mhz | Del R514
For 48Mhz | Add R514
Del R511 , Y2 , C514 , C518
RTS5158E/5159
LQFP48L_7X7X1_7
U500
Y2
@12M-20-30-YO-D
R511
@270K-04
C514
@20P-50-04N-J
C518
@20P-50-04N-J
R503
0-04
C509
@47P-50-04N-J
16 SEL24_48M
R506
0-04
C520
.1U-10-04X-K
C512
1U-10-06X-K
R510
6.2K-1-04
VREG
AV_PLL
RREF
NC
DM
DP
AGND
NC
3V3_IN
CARD_3V3
VREG
D3V3
DGND
14 USB_DN0
14 USB_DP0
43mA
Card_+3.3V
C74
@4.7U-10-04R-K
C515
.1U-10-04X-K
C517
.1U-10-04X-K
C525
.1U-10-04X-K
XTLO
XTLI
AG_PLL
MODE_SEL
RST#
XD_CLE/CF_D3
XD_CE#/CF_D11
XD_ALE/CF_D4
SD_DAT2/XD_RE#/CF_D12
SD_DAT3/XD_WE#/CF_D5
XD_RDY/CF_D13
XD_DAT4/XD_WP/HMS_D7
SD_CMD
SD_DAT5/XD_D0/MS_D6
SD_CLK/XD_D1/MS_CLK/CF_D7
D3V3
DGND
SD_DAT6/XD_D7/MS_D3/CF_D15
NC
MS_INS#/CF_IORD#
SD_DAT7/XD_D2/MS_D2/CF_IOWR#
SD_DAT0/XD_D6/MS_D0/CF_RST#
XD_D3/MS_D1/CF_IORDY
XD_D5/MS_BS/CF_A2
C516
.1U-10-04X-K
XTAL_CTR
GPIO0
EEDO
EECS
EESK
EEDI
CF_DIJXD_CD#
CF_DO/SM_WPM#/SD_WP
CF_A0/SD_C/D#
CF_DMACK#
XD_D4/SD_D1
CF_DMARQ
SD_WP
SD_INS#
SD_DAT1
R514
0-04
18,20,30 IO_Saving#
R194
@100K-04
C349
@.1U-10-04X-K
+3.3V
Q98
@FET-SI2301BDS
Card_+3.3V
C350
@.1U-10-04X-K
R195
0-04
CARD_3V3
SD_WP
SD_DAT1
SD_DAT0/MS_D0
SD_CLK/MS_CLK
R25
56-04
SD_CLK
SD_CMD
SD_DAT3
SD_DAT2
SD_INS#
R576
10K-04
SD_CD#
C59
.1U-10-04X-K
CN4
SD#8
SD#7
SD#6
SD#5
SD#4
SD#3
SD#2
SD#1
SD#9
SD CD
SD_WP
WPCND
GND1
GND2
GND3
GND4
MS_BS
MS_D1
SD_DAT0/MS_D0
MS_D2
MS_INS#
MS_D3
SD_CLK/MS_CLK
R643
10K-04
MS_CD#
R29
56-04
MS_CLK
MS#1
MS#2
MS#3
MS#4
MS#5
MS#6
MS#7
MS#8
MS#9
MS#10
C56
.1U-10-04X-K
CON-MSD019-C0-PRO
con_3in1-s_msd019-c0-10a0_pro
MB 02/04
D3V3
R505
33K-04
R504
220K-04
C508
.1U-16-04R-K
RST#
Q515
FET-2N7002
R551
1K-04
CD4148WSP
D503
D504
SD_CD#
MS_CD#
Elitegroup Computer Systems
CARD READER(RTS5158E)
Size
Document Number
3255
Rev
C
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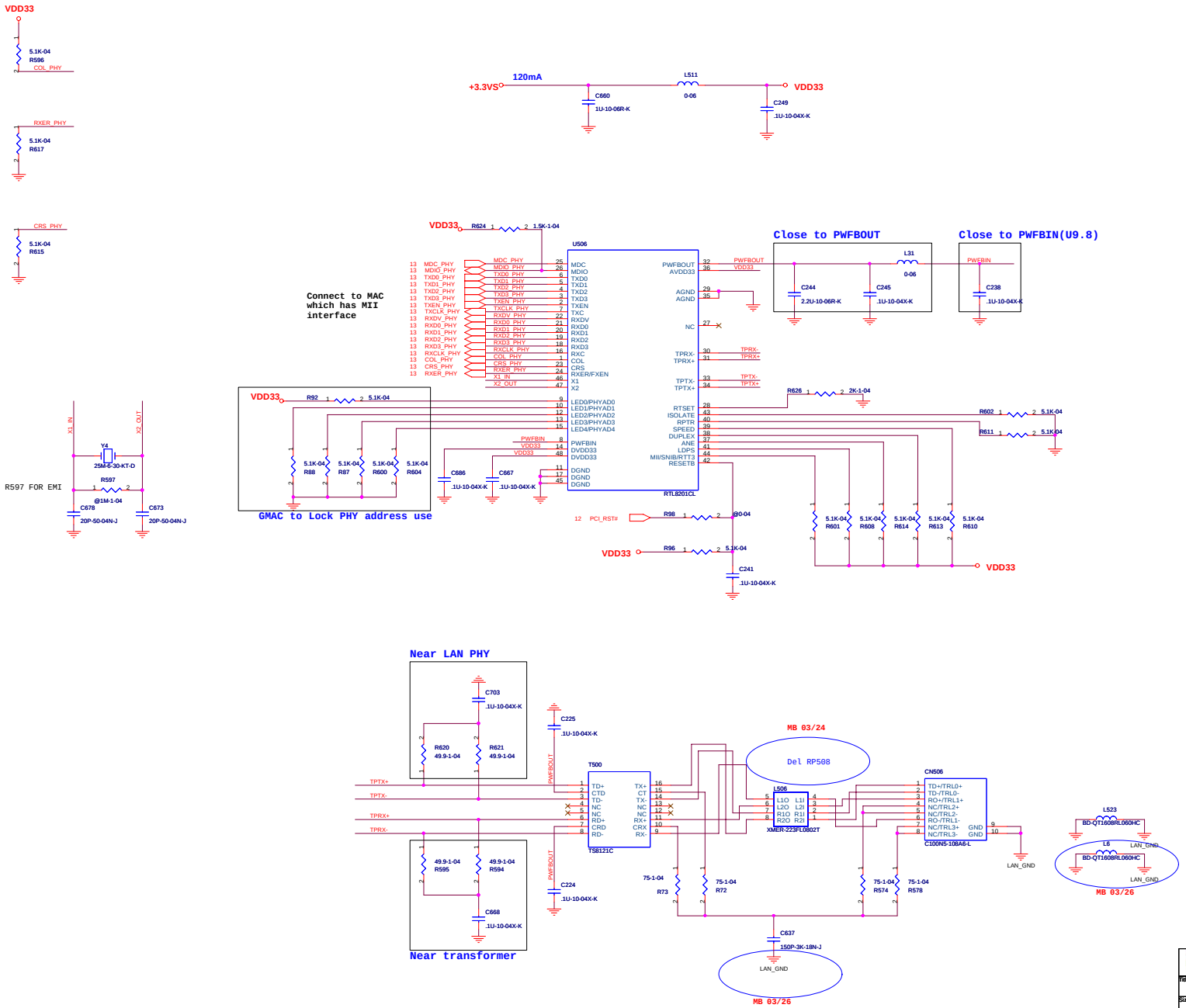
Sheet 22 of 32



Title	LAN PHY(RTL8201CL)
Size	Document Number 3255
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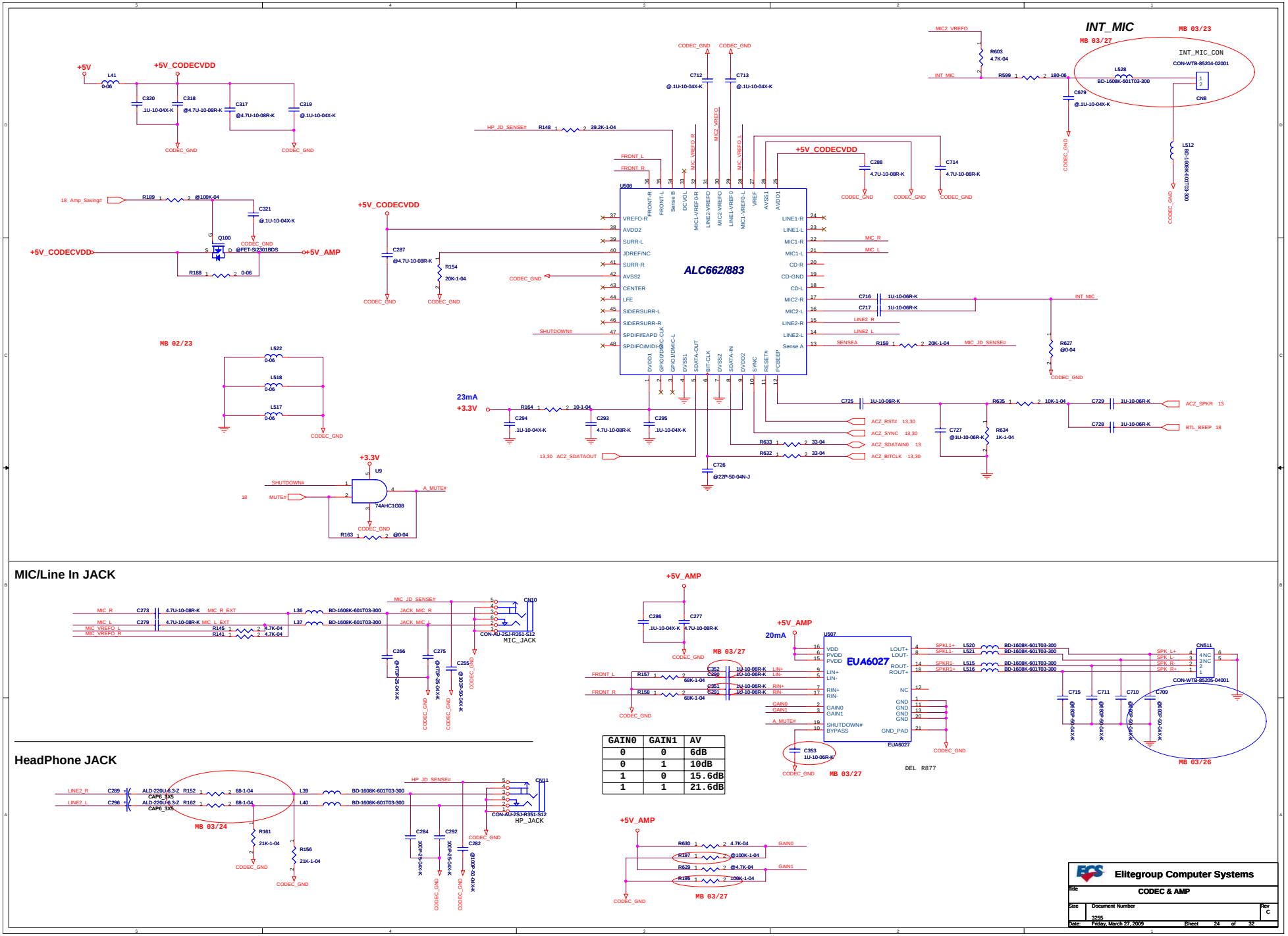
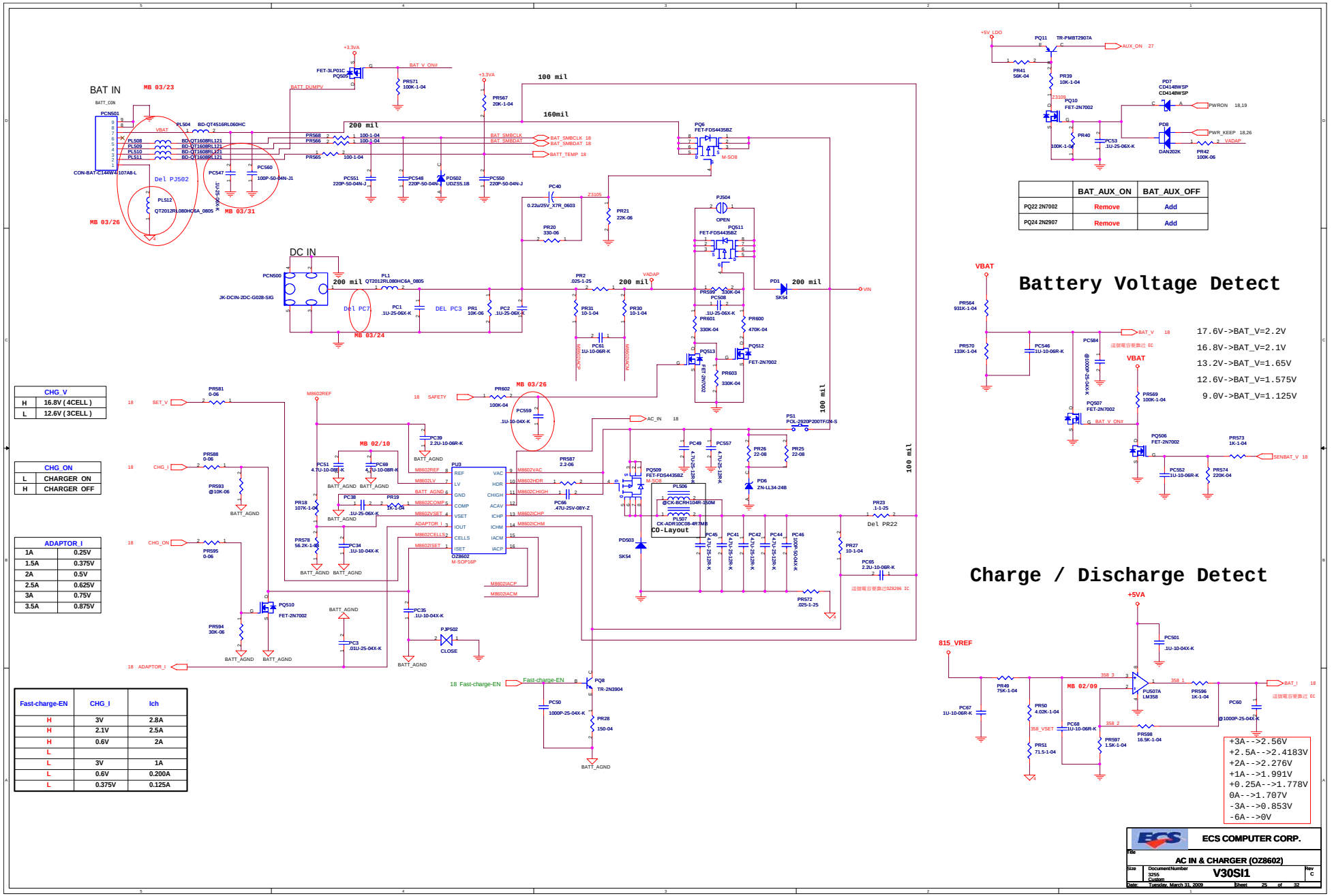
Elitegroup Computer Systems



GAIN0	GAIN1	AV
0	0	6dB
0	1	10dB
1	0	15.6dB
1	1	21.6dB



	BAT_AUX_ON	BAT_AUX_OFF
PQ22 2N7002	Remove	Add
PQ24 2N2907	Remove	Add

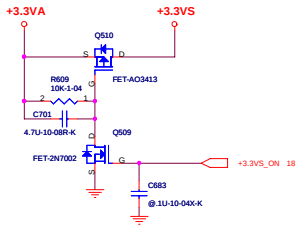
CHG_V	
H	16.8V (4CELL)
L	12.6V (3CELL)

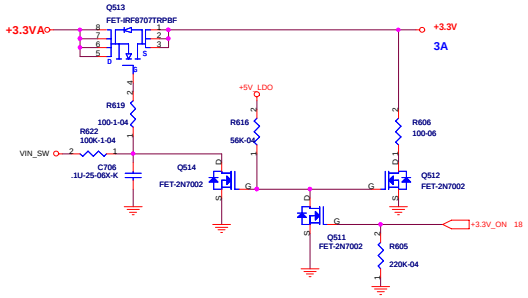
CHG_ON	
L	CHARGER_ON
H	CHARGER_OFF

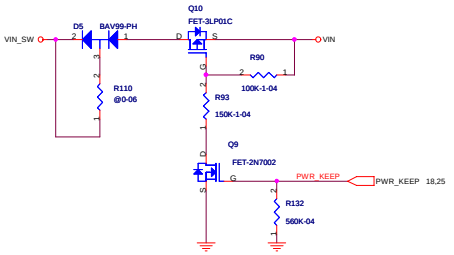
ADAPTOR_I	
1A	0.25V
1.5A	0.375V
2A	0.5V
2.5A	0.625V
3A	0.75V
3.5A	0.875V

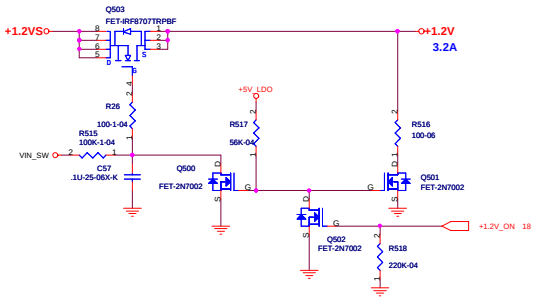
Fast-charge-EN	CHG_I	Ich
H	3V	2.8A
H	2.1V	2.5A
H	0.6V	2A
L		
L	3V	1A
L	0.6V	0.200A
L	0.375V	0.125A

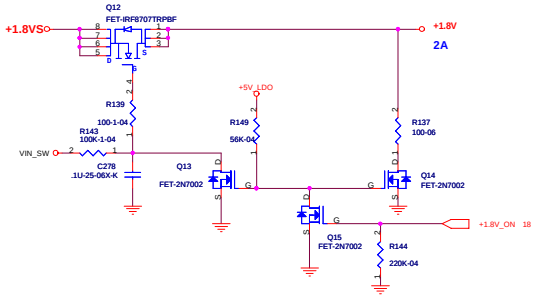
Company	ECS COMPUTER CORP.
Title	AC IN & CHARGER (OZ8602)
Size	C
DocumentNumber	V30SI1
Rev	C
Date:	Tuesday, March 31, 2009
Sheet	25 of 32

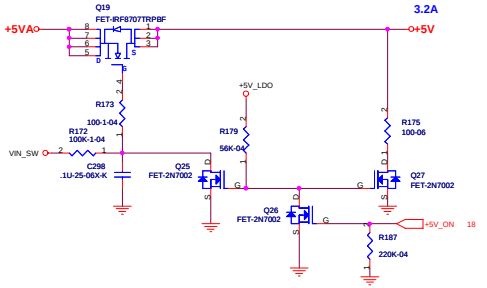


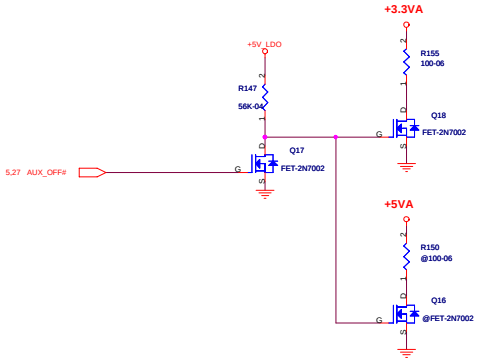


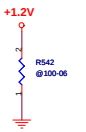


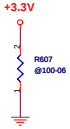


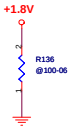












Elitegroup Computer Systems

Title: POWER SWITCH

Size: Document Number: 3255 Rev: C

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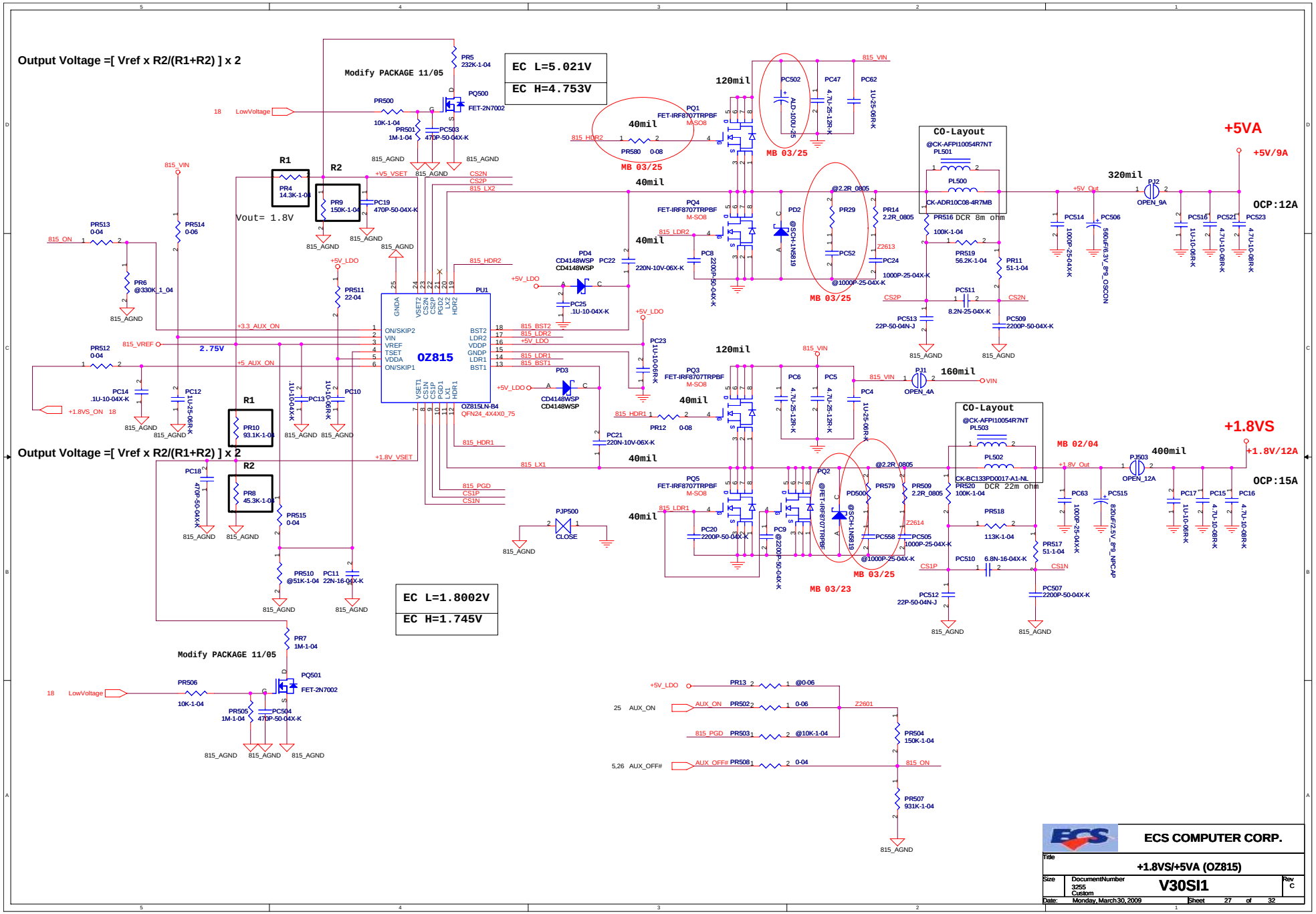
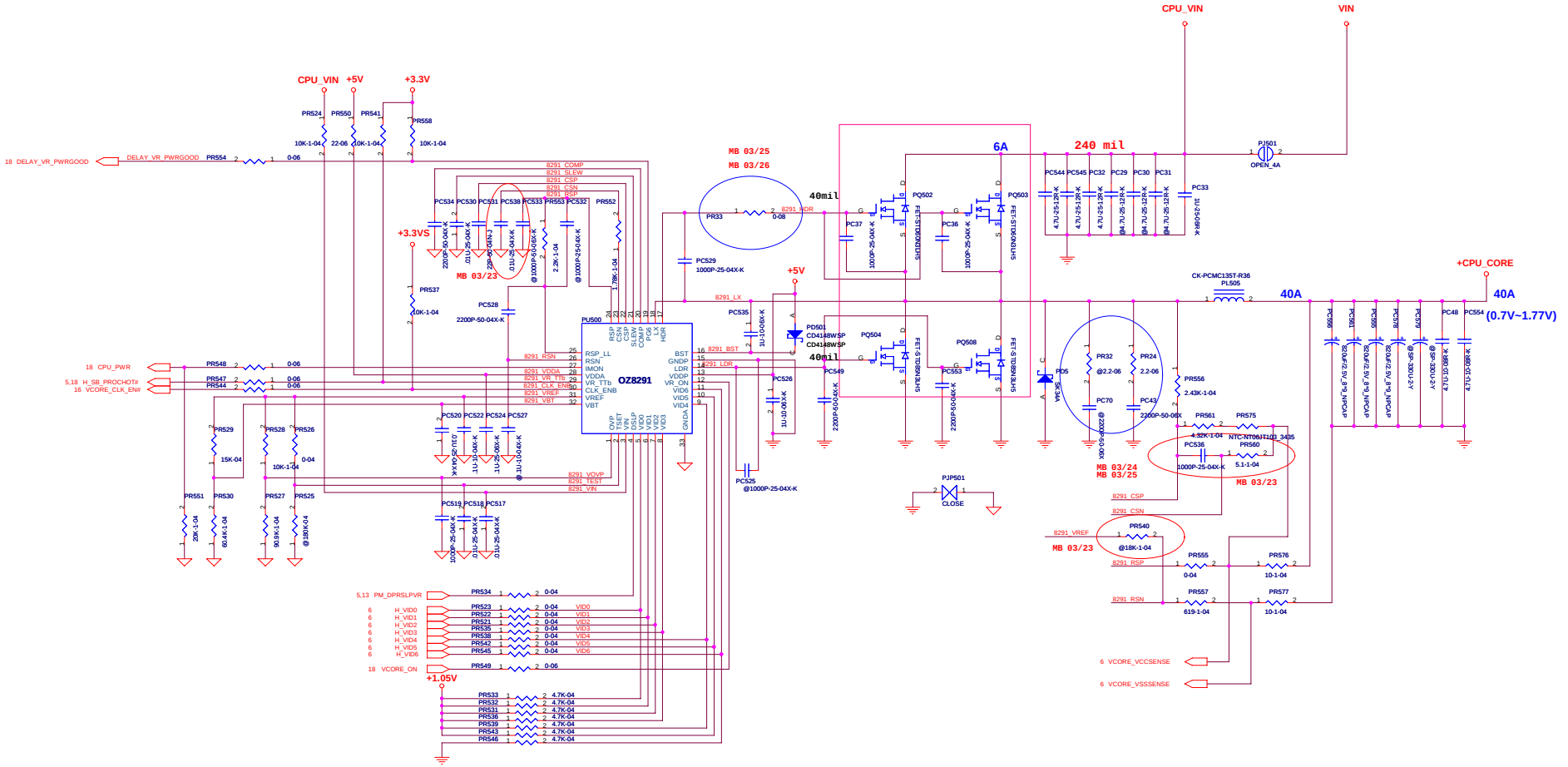

Output Voltage =[Vref x R2/(R1+R2)] x 2
Modify PACKAGE 11/05
EC L=5.021V
EC H=4.753V
Vout= 1.8V
2.75V
OZ815
OZ815LN-B4
QFN24_4X4X0_75
+5VA
+5V/9A
OCP:12A
+1.8VS
+1.8V/12A
OCP:15A
CO-Layout
MB 03/25
MB 02/04
MB 03/23
120mil
40mil
320mil
400mil
160mil
Output Voltage =[Vref x R2/(R1+R2)] x 2
EC L=1.8002V
EC H=1.745V
Modify PACKAGE 11/05
ECS COMPUTER CORP.
+5V/9A
+1.8V/12A
V30SI1
Monday, March30, 2009



ECS COMPUTER CORP.

Title: +CPU_CORE (OZ8291)

Size: Custom | Document Number: 3255 | V30SI1 | Rev: C

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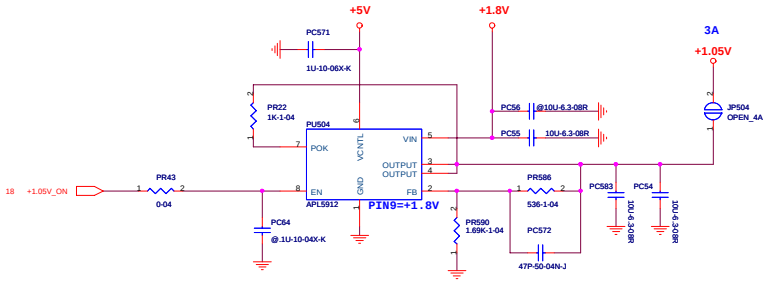
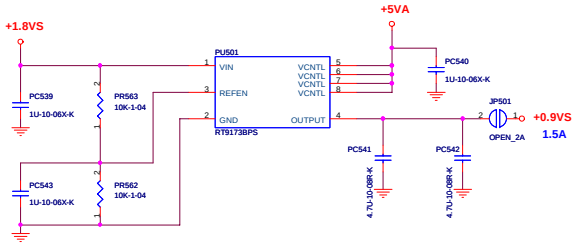
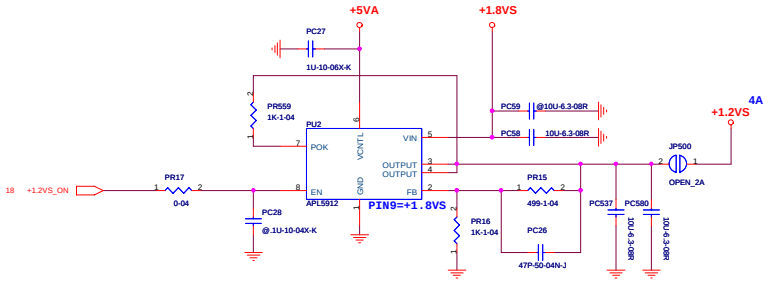


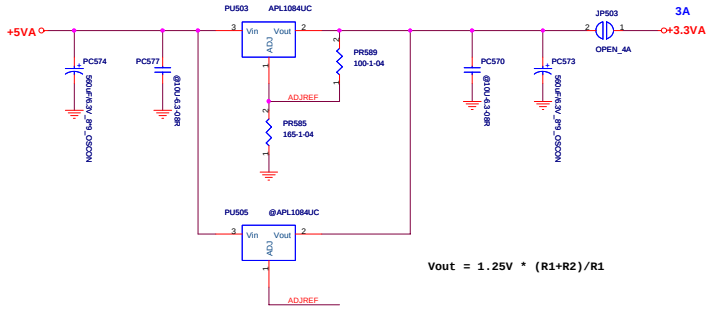
Vout = 0.8V*(1+R1/R2) = 1.054V



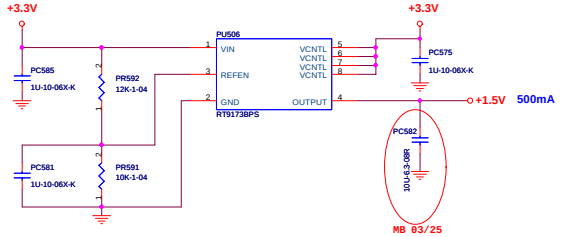
Vout = 1.8V-(1.8V*R1/R1+R2) = 0.9V



Vout = 0.8V*(1+R1/R2) = 1.2V



Vout = 1.25V * (R1+R2)/R1



Elitegroup Computer Systems		
Title: 3.3VA/1.8V/1.5V/1.2V/1.05V		
Size: -	Document Number: 3255	Rev: C
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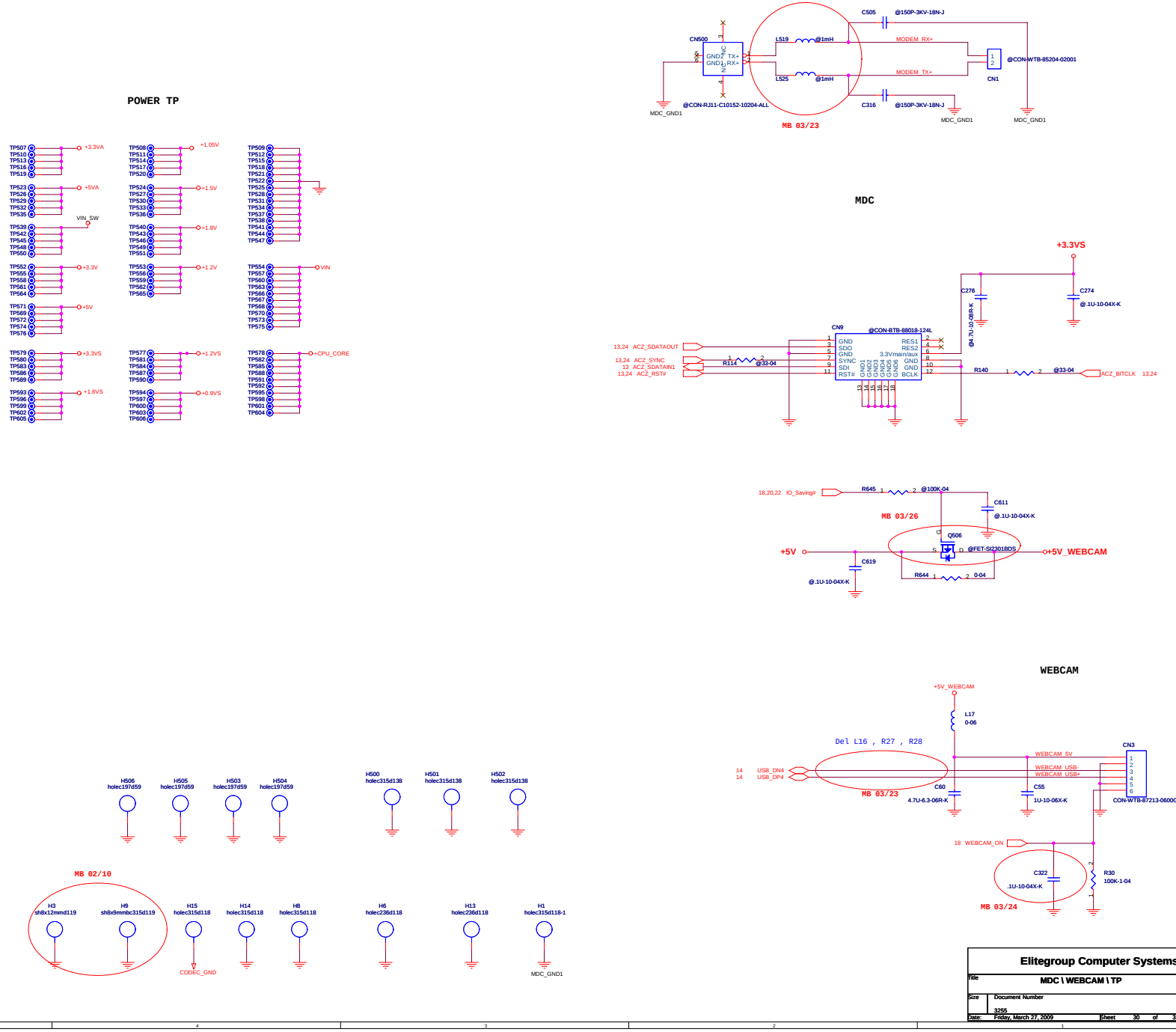
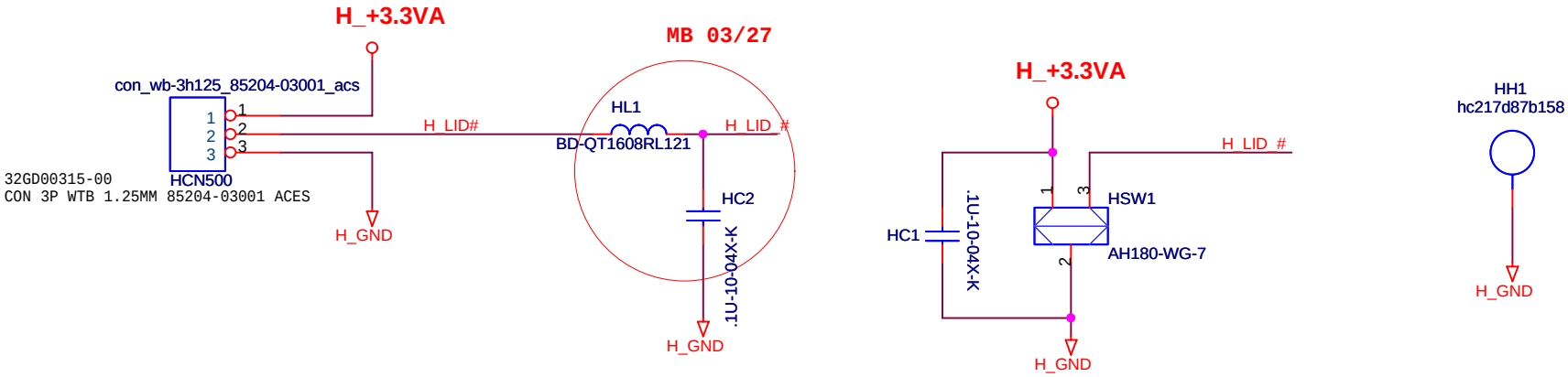

POWER TP
TP507 TP510 TP513 TP516 TP519 +3.3VA
TP523 TP526 TP529 TP532 TP535 +5VA
VIN_SW
TP539 TP542 TP545 TP548 TP550
TP552 TP555 TP558 TP561 TP564 +3.3V
TP571 TP569 TP572 TP574 TP576 +5V
TP579 TP580 TP583 TP586 TP589 +3.3VS
TP593 TP596 TP599 TP602 TP605 +1.8VS
TP508 TP511 TP514 TP517 TP520 +1.05V
TP524 TP527 TP530 TP533 TP536 +1.5V
TP540 TP543 TP546 TP549 TP551 +1.8V
TP553 TP556 TP559 TP562 TP565 +1.2V
TP577 TP581 TP584 TP587 TP590 +1.2VS
TP594 TP597 TP600 TP603 TP606 +0.9VS
TP509 TP512 TP515 TP518 TP521 TP522 TP525 TP528 TP531 TP534 TP537 TP538 TP541 TP544 TP547
TP554 TP557 TP560 TP563 TP566 TP567 TP568 TP570 TP573 TP575 VIN
TP578 TP582 TP585 TP588 TP591 TP592 TP595 TP598 TP601 TP604 +CPU_CORE
CN500
@CON-RJ11-C10152-10204-ALL
MDC_GND1
L519 @1mH
L525 @1mH
C505 @150P-3KV-18N-J
C316 @150P-3KV-18N-J
MODEM_RX+
MODEM_TX+
CN1
@CON-WTB-85204-02001
MB 03/23
MDC
+3.3VS
C276 @4.7U-10-06R-K
C274 @.1U-10-04X-K
CN9
@CON-BTB-88018-124L
13,24 ACZ_SDATAOUT
13,24 ACZ_SYNC
13 ACZ_SDATAIN1
13,24 ACZ_RST#
R114 @33-04
R140 @33-04
ACZ_BITCLK 13,24
18,20,22 IO_Saving#
R645 @100K-04
C611 @.1U-10-04X-K
MB 03/26
Q506 @FET-SI2301BDS
+5V
+5V_WEBCAM
C619 @.1U-10-04X-K
R644 0-04
WEBCAM
+5V_WEBCAM
L17 0-06
Del L16 , R27 , R28
14 USB_DN4
14 USB_DP4
MB 03/23
C60 4.7U-6.3-06R-K
WEBCAM_5V
WEBCAM_USB-
WEBCAM_USB+
C55 1U-10-06X-K
CN3
CON-WTB-87213-0600G
18 WEBCAM_ON
C322 .1U-10-04X-K
R30 100K-1-04
MB 03/24
H506 holec197d59
H505 holec197d59
H503 holec197d59
H504 holec197d59
H500 holec315d138
H501 holec315d138
H502 holec315d138
MB 02/10
H16 HOLEC315D91
H2 holec315d118
H3 sh8x12mmd119
H9 sh8x9mmbc315d119
H15 holec315d118
H14 holec315d118
H8 holec315d118
H6 holec236d118
H13 holec236d118
H1 holec315d118-1
CODEC_GND
MDC_GND1
Elitegroup Computer Systems
Title
MDC \ WEBCAM \ TP
Size
Document Number
3255
Rev
C
Date: Friday, March 27, 2009
Sheet 30 of 32

V40SIX LID BD Ver:C
P/N: 35GWV4000-C0
Made in China

LID BD



Elitegroup Computer Systems		
Title: LID BD		
Size	Document Number: 3255	Rev: C
Date: Friday, March 27, 2009	Sheet 31 of 32	

V30SI1 C phase modify list:

MB 03/23

1. page 9 C83 , C95 , C113 4.7uf modify to 10uf & no stuff --> stuff.
2. page 16 LED4 Green LED pull +5VA change to +3.3VA ; R185 110 ohm --> 180 ohm .
3. page 18 Add L43 , R572 ; R176 , R167 no stuff .
4. page 19 R18 56K --> 5.6K ; R19 100K --> 10K .
5. page 20 C232 , C210 1uf/0603 modify to 10uf/0805.
6. page 21 Del G-Sensor U21, C346 , C235 , R382 , R385 4.7K no stuff ; CN503 change footprint " CON_D-SUB-R_C10525-11505-L_ATP ".
7. page 24 CN8 modify to CON-WTB-85204-02001 ; Add L44 BD-1608K-601T03-300 .
8. page 25 Add PL508 , PL509 , PL510 , PL511 BD-QT1608RL121 & PL512 BD-QT1608RL060HC ; Del PJ502 .
9. page 27 PD500 on stuff.
10. page 28 PR540 18K change no stuff ; PC536 0.1uf --> 1000pf ; PR560 51 ohm --> 5.1 ohm ; PC538 1000pf --> 0.01uf .
11. page 30 L519,L525 change footprint " choke-4_5x3_2x2_6 " ; Del R27 , R28 , L16 .

MB 03/24

1. page 24 Add R152 , R162 75 ohm 1% --> 68 ohm 1% .
2. page 30 Add C322 0.1uf .
3. page 25 Del PC7 .
4. page 19 L42 0 ohm --> BD-QT1608RL060HC .
5. page 27 PR3 , PR12 0 ohm --> 4.7 ohm.
6. page 28 PR24 , PC43 no stuff change stuff ; Add PR604 4.7 ohm .
7. page 20 Del R2 , R4 , L6 , L32 , RP32 .
8. page 23 L506 stuff ; Del RP508 .

MB 03/25

1. page 17 R23 change location to R577 .
2. page 27 PR3 , PR12 4.7 ohm --> 0 ohm ; Add PR29 , PR579 , PC52 , PC558 no stuff
3. page 28 PR604 4.7 ohm --> 0 ohm ; Add PR32 , PC70 no stuff .
4. page 27 PR3 change location to PR580 .
5. page 27 PC502 100uf/25V no stuff change stuff .
6. page 29 PC582 4.7uf change to 10uf .

MB 03/26

1. page 25 PL512 BD-QT1608RL060HC change to QT2012RL080HC6A_0805 .
2. page 23 C637 GND change to LAN_GND .
3. page 24 CN511 , C709 , C710 , C711 , C715 CODEC_GND change to GND .
4. page 20 Add L526 BD-QT1608RL060HC .
5. page 28 PR604 change location to PR33 .
6. TOP change location to Bottom .
   Page25 PC57 --> PC559 ; Page30 Q101 --> Q506 ; Page20 R190 --> R636 ; R191 --> R639 .
7. page 23 L524 change location to L6 .
8. page 18 Add C267 0.1uf .

MB 03/27

1. page 18 Move L43,C267 to CN512 Side.
2. page 24 C722 --> Rename to C351, C723 --> Rename to C352, C724-->Rename to c353, R628 --> Rename to R196, R631--> Rename to R197.
3. page 31 Add HL1,HC2
4. page 18 L43-->Rename to L527, C267-->Rename to C735.
5. page 24 L44-->Rename to L528.
6. page 25 Modify PJ504 footprint to "OPEN-SMALL-1"

MB 03/30

1. page 7 C129 , C128 4.7uf modify to 10uf & no stuff --> stuff.
2. page 9 C95 10uf/0805 modify to 22uf/1206 ; C97 , C106 4.7uf modify to 10uf .
3. page 10 C99 4.7uf modify to 10uf .

MB 03/31

1. page 25 Add PC560 100pf ; PC547 Pin2 net change to PL504 Pin2 net .
2. page 20 Add PS3 "POL-1206P110TF" ; Add C323 1uf no stuff .

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