Model : Calpella

Intel Calpella CPU + Intel PCH Chipset

PCB1
PCB
37GC42200-C0

C42IIX Main BD REV.C
P/N: 37GC42200-C0
Made in China

AOI	ICT	ATS	CHR	I/D	F/T	PCBA	T/Q

Calpella			
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11	Ibex Peak_RTC & SATA_a		
12	Ibex Peak_PCIE & MMB_b		
13	Ibex Peak_LVDS & DMI_c		
14	Ibex Peak_PCI & USB_d		
15	Ibex Peak_GPIO_f		
16	Ibex Peak_Power1_g		
17	Ibex Peak_Power2_h		
18	Ibex Peak_M_GND		
19	CLOCK GEN (ICS9LRS3197)		
20	LCD		
21	CRT/TPM/G-SENSOR		
22	MINI CARD/ODD/HDD/MDC CON		
23	CCD/BT/USB CON/3G & LED		
24	LAN - RTL8111DL-GR		
25	DVI SHIFTER/HDMI		
26	Audio Codec ALC269		
27	EC-IT8502NX/BIOS/FAN		
28	POWER SWITCH		
29	DC IN & CHARGER (OZ8618)		
30	+CPU_CORE (OZ8291)		
31	+GFX_CORE (OZ8291)		
32	0.75_DDR/1.8VS/1.1VS		
33	+1.1VS_VTT (OZ8111)		
34	+1.5 (OZ8116)		
35			
36			

Revision History		
	8/2009	Initial RA
	10/2009	RB
	12/2009	RC

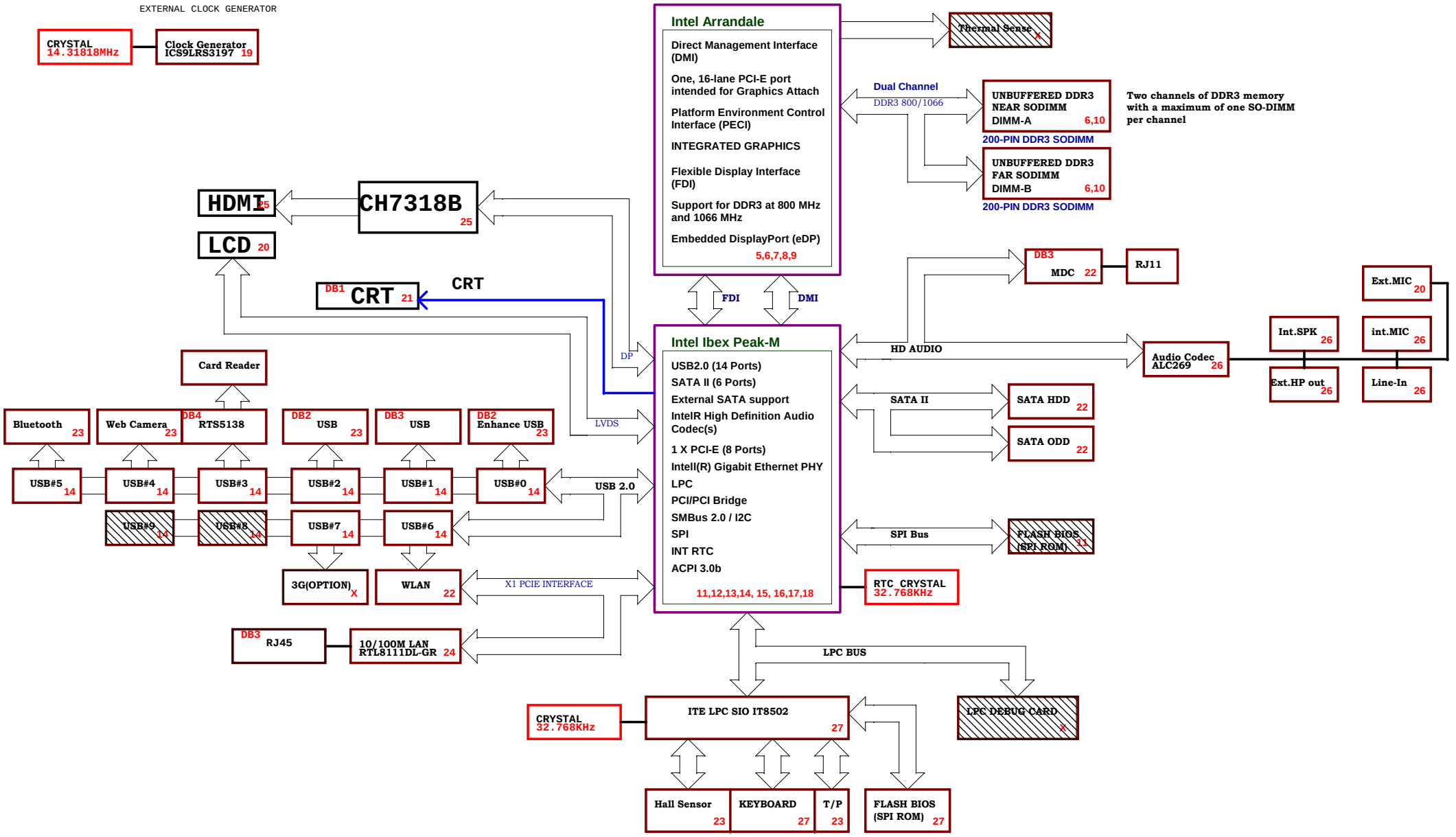
ECS COMPUTER CORP.

Title: COVER PAGE

Size	Document Number	Rev
B	SCHEMATIC1 C42IIX	C

Date: Friday, December 04, 2009 Sheet 1 of 36

C42IIX Calpella
SYSTEM BLOCK DIAGRAM



ECS COMPUTER CORP.

Title	SYSTEM BLOCK DIAGRAM	
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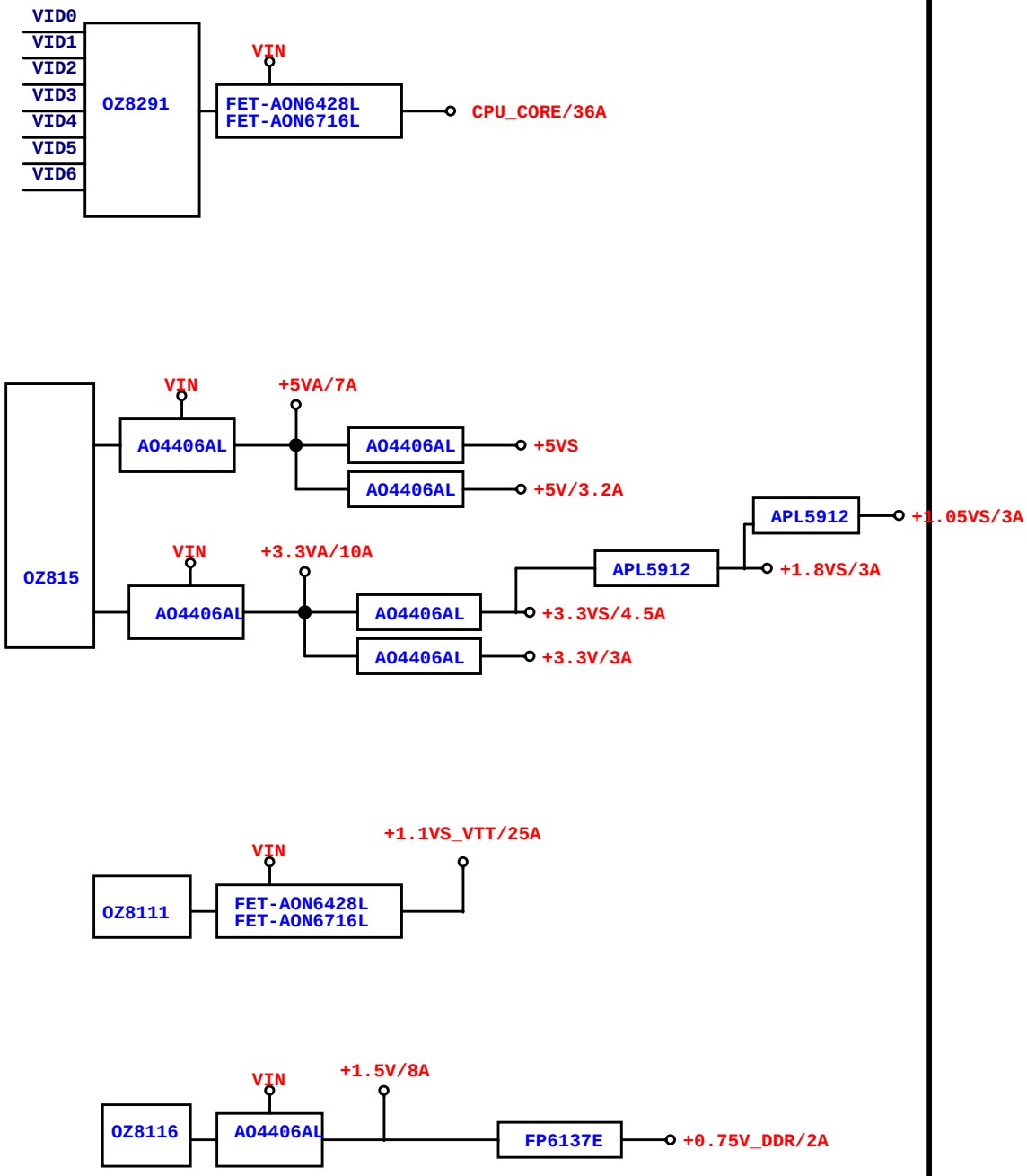
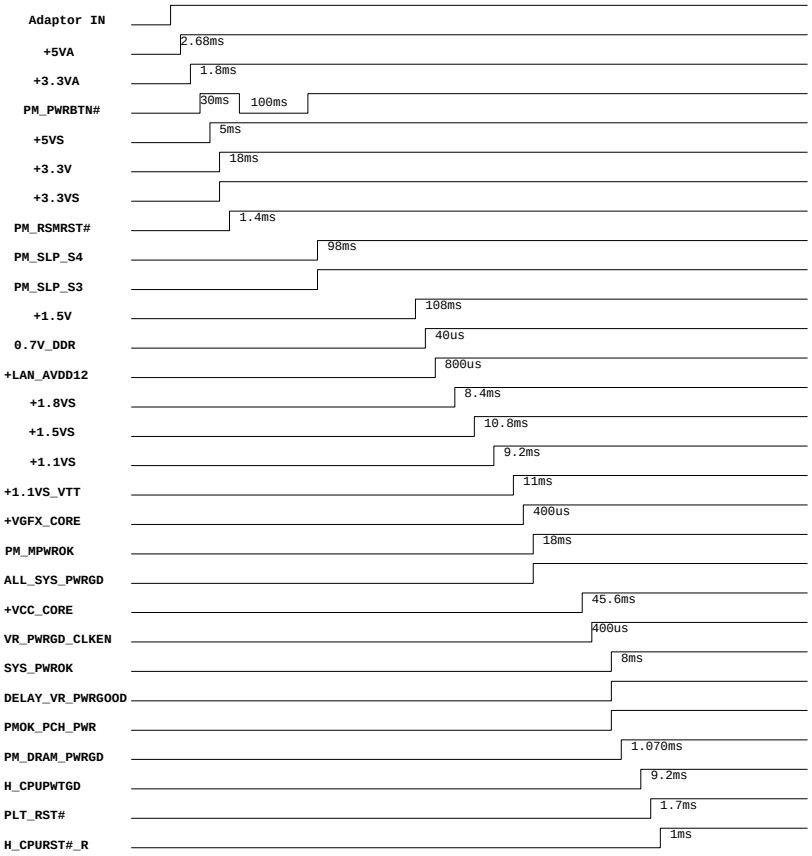
POWER BLOCK DIAGRAM



Power up sequence



ECS COMPUTER CORP.

Title: POWER DIAGRAM & SEQUENCE

Size	Document Number	Rev
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Custom		

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PCH GPIO

GPIO0	S_GPIO
GPIO1	SMC_RUNTIME_SCI#
GPIO2	INT_PIRQE#
GPIO3	INT_PIRQF#
GPIO4	INT_PIRQG#
GPIO5	INT_PIRQH#
GPIO6	DGPU_HPD_INTR#
GPIO7	NC
GPIO8	HOST_ALERT#2
GPIO9	USB_OC#_10_11
GPIO10	USB_OC#_12_13
GPIO12	GPIO12
GPIO13	NC
GPIO14	USB_OC#_13_14
GPIO15	HOST_ALERT#1
GPIO16	DGPU_HOLD_RST#
GPIO17	***DGPU_PWROK***
GPIO18	***CLK_MINI1_OE#***
GPIO19	SATA DET1#
GPIO20	***CLK_PCIE_LAN_REQ#***
GPIO21	SATA DET0#
GPIO22	***BIOS_REC***
GPIO23	***NC***
GPIO24	***NC***
GPIO25	NC
GPIO26	***NC***
GPIO27	***NC***
GPIO28	***SPI_CS#2***
GPIO29	USB_OC#5
GPIO30	SUB_PWR_ACK
GPIO31	AC_PRESENT
GPIO32	PM_CLKRUN#
GPIO33	HDADOCKEN#_R
GPIO34	***NC***
GPIO35	NC
GPIO36	DGPU_PWR_EN#
GPIO37	DGPU_PRSNT#
GPIO38	***MFG_MODE***
GPIO39	CRB_SV_DET
GPIO40	USB_OC#_2_3
GPIO41	USB_OC#_4_5
GPIO42	USB_OC#_6_7
GPIO43	USB_OC#_8_9
GPIO50	PCI_REQ#1
GPIO51	PCI_GNT#1
GPIO52	DGPU_SELECT#
GPIO53	NC
GPIO54	PCI_REQ#3
GPIO55	PCI_GNT#3
GPIO44	NC
GPIO45	NC
GPIO46	RST_GATE
GPIO48	SV_SET_UP
GPIO49	CRIT_TEMP_REP#_R
GPIO56	NC
GPIO57	PCH_GPIO57
GPIO58	SMB1_CLK_EC
GPIO59	USB_OC#_0_1
GPIO61	PM_SUS_STAT#
GPIO72	PM_BATTLOW#
GPIO74	LPD_SPI_INTR#
GPIO75	SMB1_DAT_EC

ITE8502NX GPIO Pin Definition list

GPA0	BTL_BEEP
GPA1	EC_BL_PWM
GPA2	LS_OFF#
GPA3	CCD_EN
GPA4	RF_LED_EC#
GPA5	Mini_Card_PWR_ON#
GPA6	MINI_RFON
GPA7	BT_ON
GPB0	SENBAT_V
GPB1	ALL_SYS_PWRGD
GPB2	+1.1VS_ON
GPB3	BAT_SMBCLK
GPB4	BAT_SMBDAT
GPB5	H_A20GATE
GPB6	H_RCIN#
GPB7	VCORE_ON
GPC0	***+1.8VS_ON***
GPC1	SMB_CLK_EC_CLK
GPC2	SMB_DATA_EC_CLK
GPC3	SAFETY
GPC4	+3.3VS_ON
GPC5	***+5VS_ON***
GPC6	+1.1VS_VTT_ON
GPC7	PM_PWRBTN#
GPD0	AC_IN
GPD1	INT1
GPD2	PLT_RST#
GPD3	ECSCI#
GPD4	
GPD5	AC_PRESENT
GPD6	***+1.5V_ON***
GPD7	+1.5VS_ON
GPE0	PM_RSMRST#
GPE1	VGA_CORE_ON
GPE2	PM_MPWROK
GPE3	***+1.8VS_ON_ATI***
GPE4	PWRON
GPE5	***VDDR3_ON***
GPE6	Low Voltage
GPE7	MUTE_AMP#
GPF0	EC_PROCHOT
GPF1	***CHG_R_LED***
GPF2	***CHG_B_LED***
GPF3	***PWR_LED***
GPF4	TP_CLK
GPF5	TP_DATA
GPF6	SMB_CLK_G
GPF7	SMB_DATA_G
GPH0	PWR_KEEP
GPH1	GPIO33
GPH2	
GPH3	PCH_SPI_CS
GPH4	PCH_SPI_CLK
GPH5	PCH_SPI_SO
GPH6	PCH_SPI_SI
GPG1	+3.3V_ON
ADC0/GPI0	BATT_TEMP
ADC1/GPI1	ADAPTOR_I
ADC2/GPI2	BAT_I
ADC3/GPI3	BAT_V
ADC4/GPI4	RF_SW
ADC5/GPI5	PM_SLP_S4#
ADC6/GPI6	PM_SLP_S3#
ADC7/GPI7	SUB_PWR_ACK

ITE8502NX GPIO

DAC0/GPJ0	Fast-charge-EN
DAC0/GPJ1	CHG_I
DAC0/GPJ2	FAN_CTRL1
DAC0/GPJ3	CHG_ON
DAC0/GPJ4	USB0_EN#
DAC0/GPJ5	SET_V

ITE8502NX KB Matrlk interface

KSI0/STB#	KB_SIN0
KSI1/AFD#	KB_SIN1
KSI2/INIT#	KB_SIN2
KSI3SLIN#	KB_SIN3
KSI4	KB_SIN4
KSI5	KB_SIN5
KSI6	KB_SIN6
KSI7	KB_SIN7
KSO0/PD0	KB_SOUT0
KSO1/PD1	KB_SOUT1
KSO2/PD2	KB_SOUT2
KSO3/PD3	KB_SOUT3
KSO4/PD4	KB_SOUT4
KSO5/PD5	KB_SOUT5
KSO6/PD6	KB_SOUT6
KSO7/PD7	KB_SOUT7
KSO8/ACK#	KB_SOUT8
KSO9/BUSY	KB_SOUT9
KSO10/PE	KB_SOUT10
KSO11/ERR#	KB_SOUT11
KSO12/SLCT	KB_SOUT12
KSO13	KB_SOUT13
KSO14	KB_SOUT14
KSO15	KB_SOUT15

ITE8502NX SPI Flash ROM interface

FLFRAME#/GPG2	FLFRAME#
FLAD0/SCE#	EC_SPI_CS#
FLAD1/S1	EC_SPI_SI
FLAD2/S2	EC_SPI_SO
FLAD3/GPG6	***LID#***
FLCLK/SCK	EC_SPI_CLK
FLRST#/WU17 /GPG0/TM	***LCDSW***

ITE8502NX System & LPC Bus

LAD0	LPC_AD0
LAD1	LPC_AD1
LAD2	LPC_AD2
LAD3	LPC_AD3
SERIRQ	INT_SERIRQ
LFRAME#	LPC_FRAME#
LPCCLK	CLK_PCI_KBC
WRST#	LRST1#

ITE8502NX Clock

CLK32K	EC32KI
CK32KE	EC32KO

ITE8502NX Power

VSTBY0	+3.3VA
VSTBY1	+3.3VA
VSTBY2	+3.3VA
VSTBY3	+3.3VA
VSTBY4	+3.3VA
VSTBY5	+3.3VA
VBAT	+3.3VA_RTC
AVCC	+3.3VA
VCC	+3.3VS

ITE8502NX GND

AVSS	GND
VSS0	GND
VSS1	GND
VSS2	GND
VSS3	GND
VSS4	GND
VSS5	GND
VSS6	GND

ECS COMPUTER CORP.

Title: EC & PCH GPIO

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AUBURNDALE/CLARKSFIELD PROCESSOR(DMI,PEG,FDI)

ARRANDALE/CLARKSFIELD PROCESSOR (CLK,MISC,JTAG)

U1A

DMI

PCI EXPRESS -- GRAPHICS

Intel(R) FDI

SK-47989-0132

U1B

MISC

CLOCKS

THERMAL

DDR3 MISC

JTAG & BPM

PWR MANAGEMENT

SK-47989-0132

JTAG MAPPING

Scan Chain (Default)	Stuff	R41 , R43 , R45
	NO Stuff	R42 , R44
CPU Only	Stuff	R41 , R42
	NO Stuff	R43 , R44 , R45
GMCH Only	Stuff	R44 , R45
	NO Stuff	R41 , R42 , R43

Processor Pullups

Processor Compensation Signals

DDR3 Compensation Signals

ECS COMPUTER CORP.

Title: Calpella_a

Size: SCHEMATIC1 Custom | Document Number: C42IIX | Rev: C

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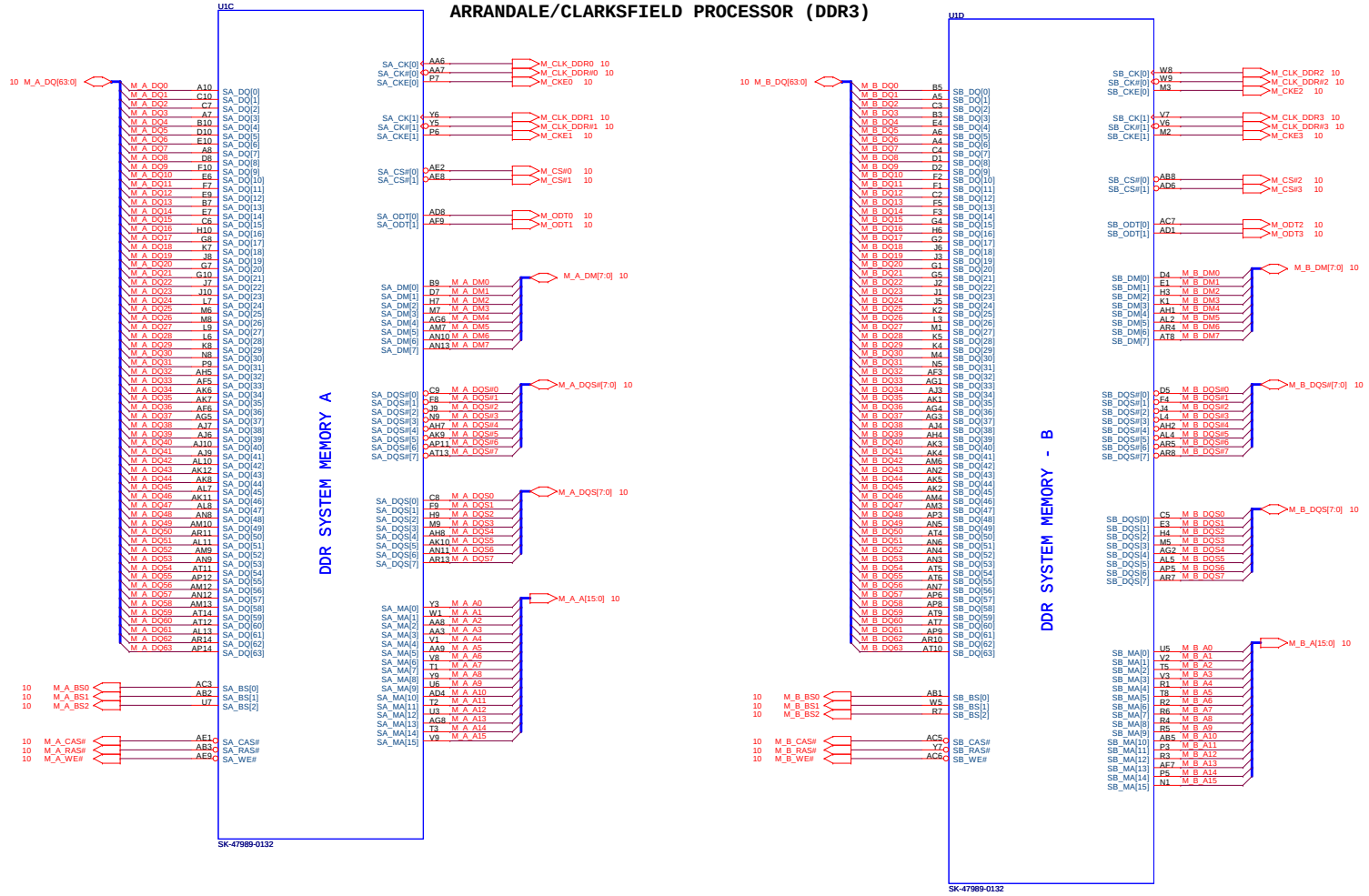
ARRANDALE/CLARKSFIELD PROCESSOR (DDR3)



Title	Calpella_b
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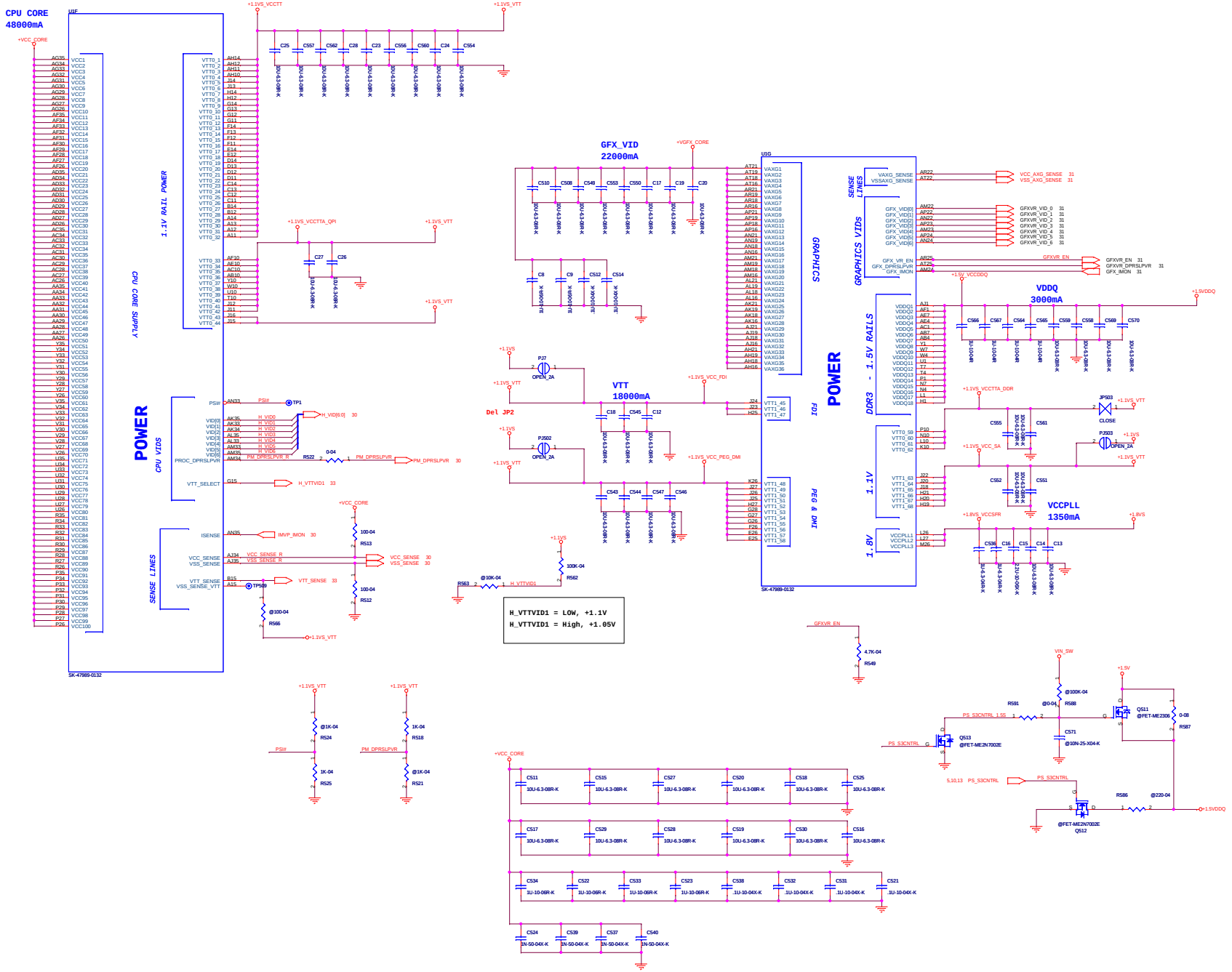
ECS COMPUTER CORP.

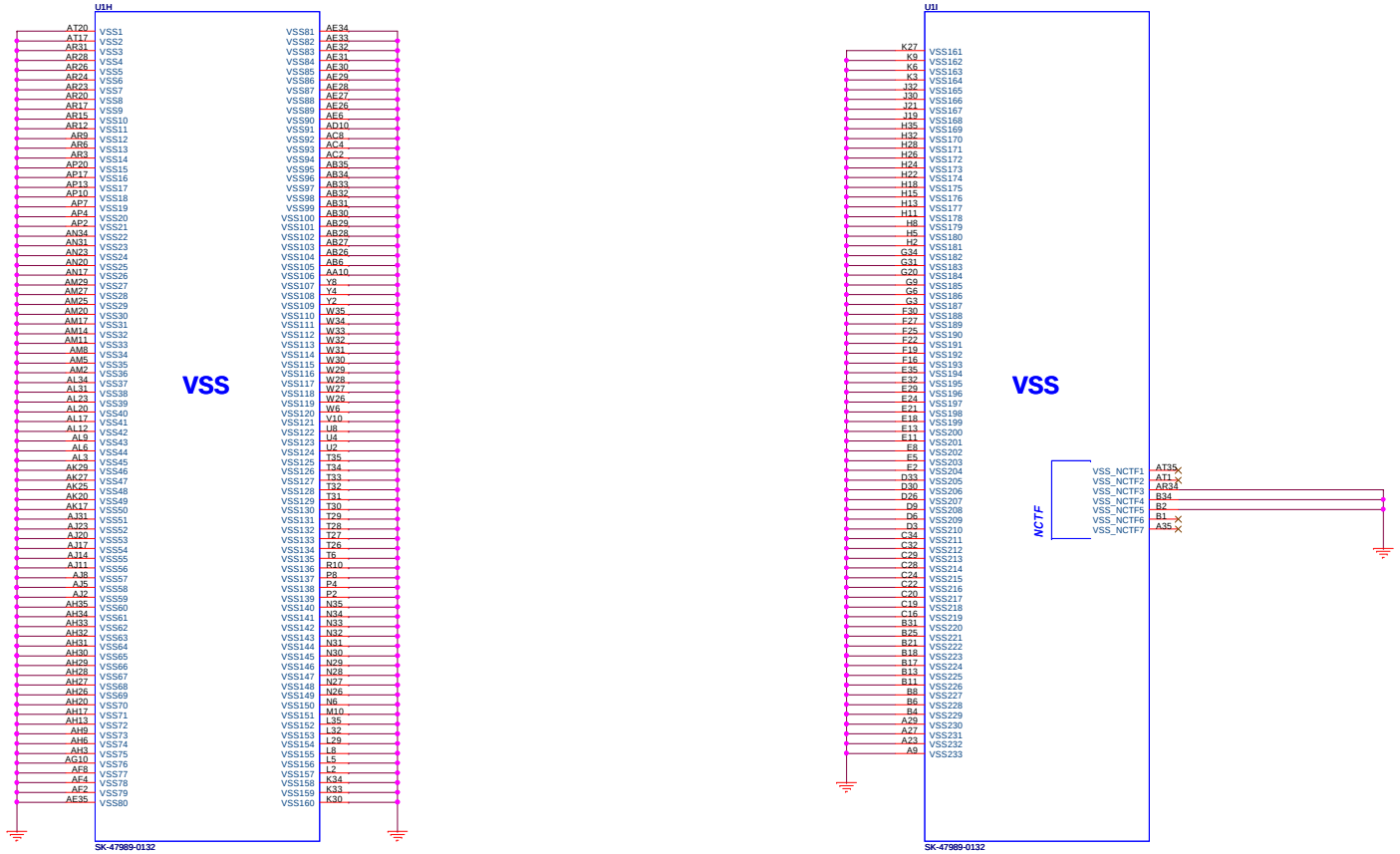
ARRANDALE/CLARKSFIELD PROCESSOR (POWER)

Processor Core Power

Processor UNCore Power



AUBURNDALE/CLARKSFIELD PROCESSOR (GND)



ECS COMPUTER CORP.	
Title	Calpella_d
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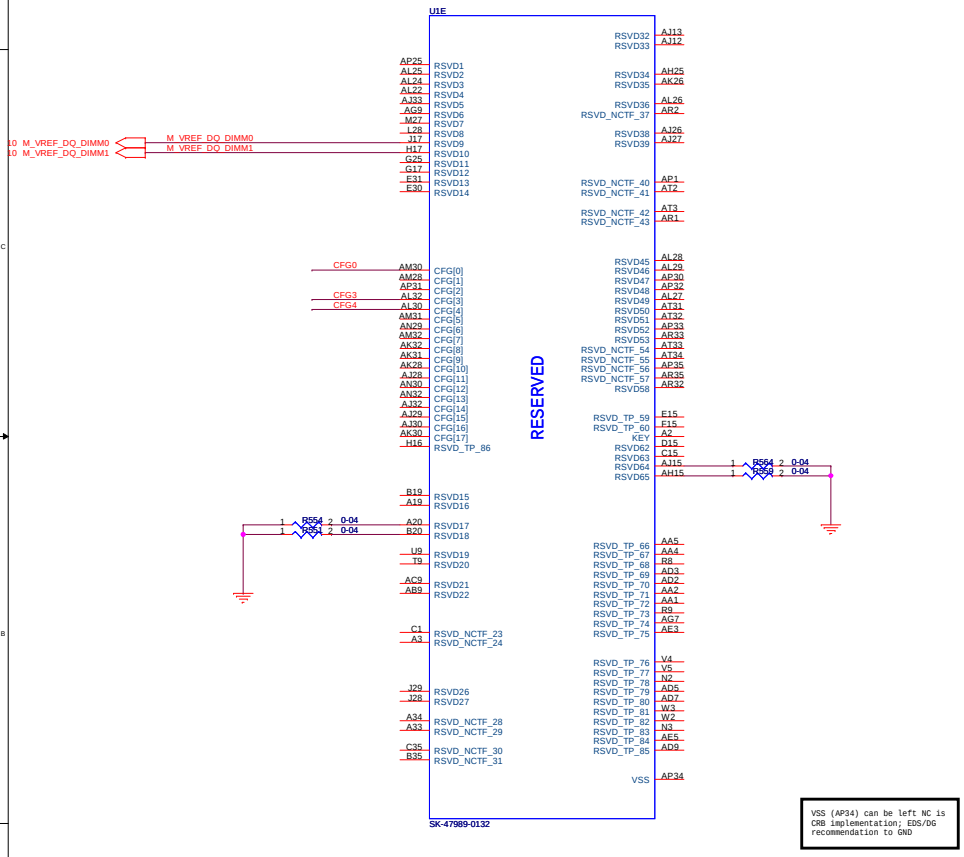
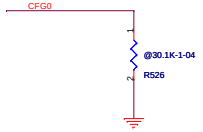
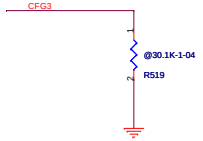
AUBURNDALE/CLARKSFIELD PROCESSOR (RESERVED)



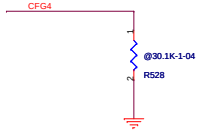
PCI-Express Confignration Select	
CFG0	1 : Single PEG 0 : Bifurcation enabled



CFG3 - PCI-Express Static Lane Reversal	
CFG3	1 : Normal Operation 0 : Lane Numbers Reversed



CFG4 - Display port presence	
CFG4	1 : Display , No physical display port attached to Embedded display port 0 : Enabled , An external display port device is connected to the Embedded display port



ECS COMPUTER CORP.

Title	Calpella_e	
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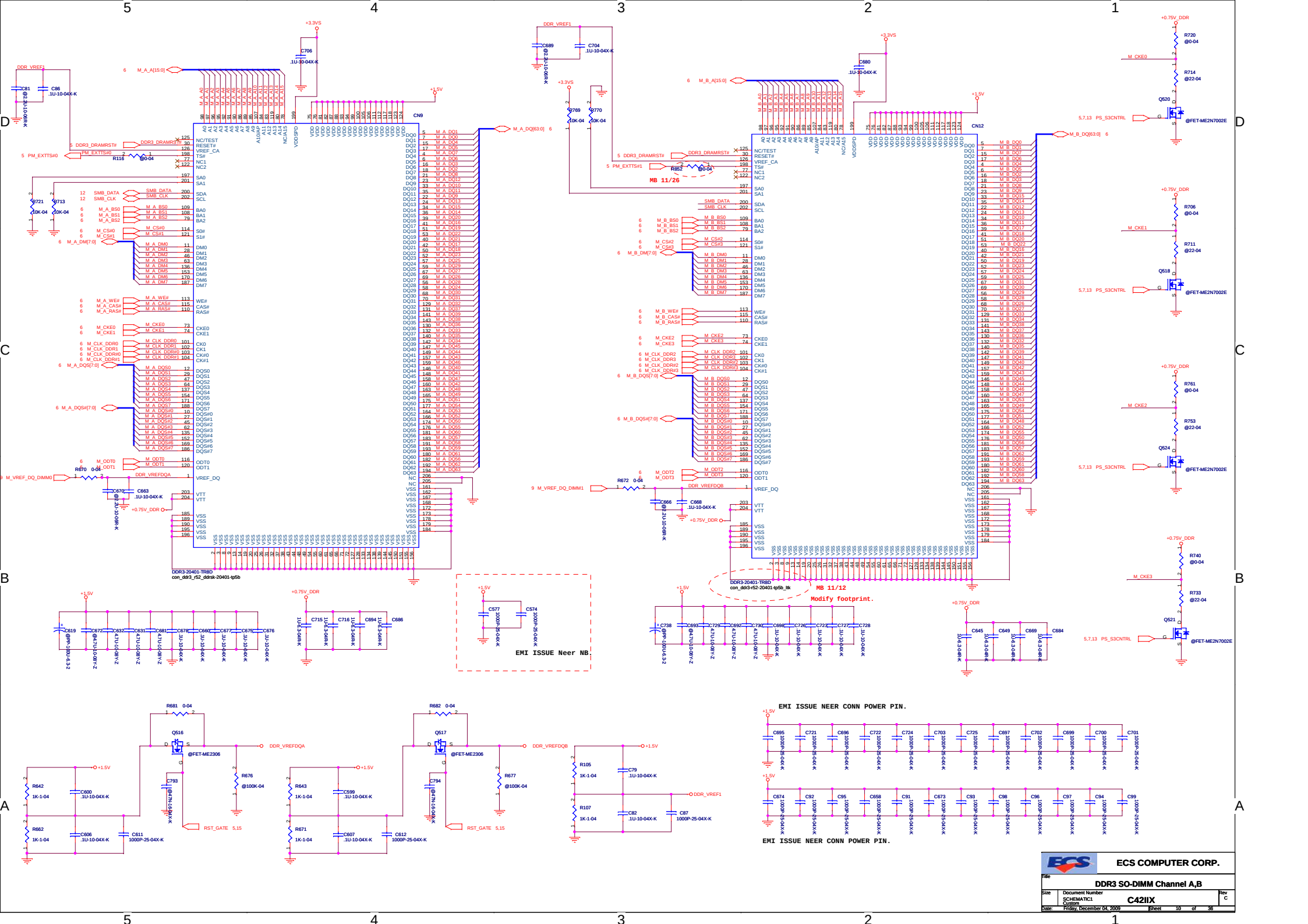
DDR3-20401-TR8D
con_ddr3_r52_ddrsk-20401-tp5b
DDR3-20401-TR8D
con_ddr3-r52-20401-tp5b_ltk
CN9
CN12
MB 11/26
MB 11/12
Modify footprint.
EMI ISSUE Neer NB.
EMI ISSUE NEER CONN POWER PIN.
EMI ISSUE NEER CONN POWER PIN.
ECS COMPUTER CORP.
DDR3 SO-DIMM Channel A,B
C42IIX
Friday, December 04, 2009

IBEXPEAK - M (HDA,JTAG,SATA)

J5F2 - CMOS SETTING
SAVE CMOS -- (1- X) DEFAULT
CLEAR CMOS -- (1-2)

RTC Circuitry

J5F1 - TPM SETTING
SAVE ME RTC REGISTER -- (1- X) DEFAULT
CLEAR ME RTC REGISTER -- (1-2)

INTVRMEN- Integrated SUS 1.1V VRM Enable
High - Enable Internal VRs

J6B1 - (1-X) DEFAULT

VTAP Assumed as 1.1V

MB 11/26
Modify R79,R77,R81,R52,R50 Stuff.

MB 11/26
Modify R78 not stuff. R82 stuff.

MB 11/26
Modify U508,R622,c578,r603 Stuff.

Layuot Microstrip W=4mils
L=0.5" Impedance=50 ohm

Layout Toplogy for SPI CLK and MOSI

L1 = 1-5"
L2 or L3 = 0.5-2"
L2 +/- L3 <= 0.1"

SPI Device 1
L2
PCH
L1
L3
SPI Device 2

MISO Topology Open

NO REBOOT STRAP

J9G4 - NO REBOOT
Disabled when LOW -- (1- X) DEFAULT
Enabled when HIGH -- (1-2)

iTPM ENABLE/DISABLE

J9E1 - TPM FUNCTION
DISABLE -- (1- X) DEFAULT
ENABLE -- (1-2)

ECS COMPUTER CORP.			
Title	Ibex Peak_M_a		
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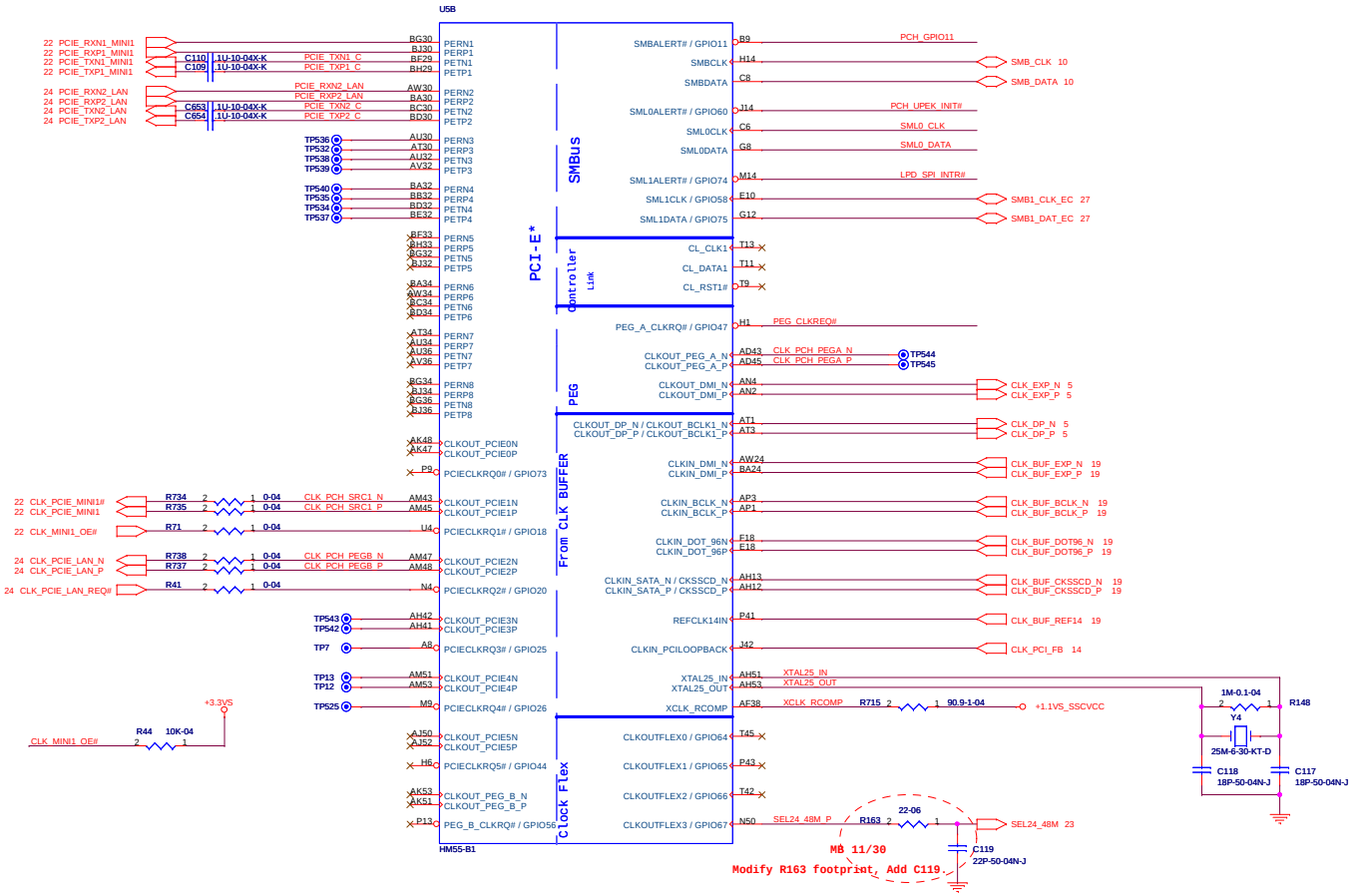
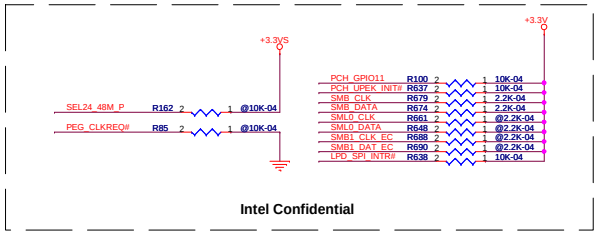
IBEXPEAK - M (PCI-E,SMBUS,CLK)



PCI-E* X1	Usage
Lane 1	WLAN
Lane 2	N/A
Lane 3	N/A
Lane 4	N/A
Lane 5	N/A
Lane 6	LAN
Lane 7	N/A
Lane 8	N/A



Intel Confidential

ECS COMPUTER CORP.

Title	Ibex Peak_M_b	
Size	Document Number: SCHEMATIC1 Custom C42IIX	Rev C
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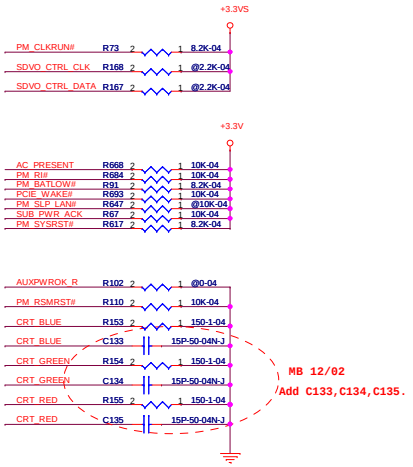
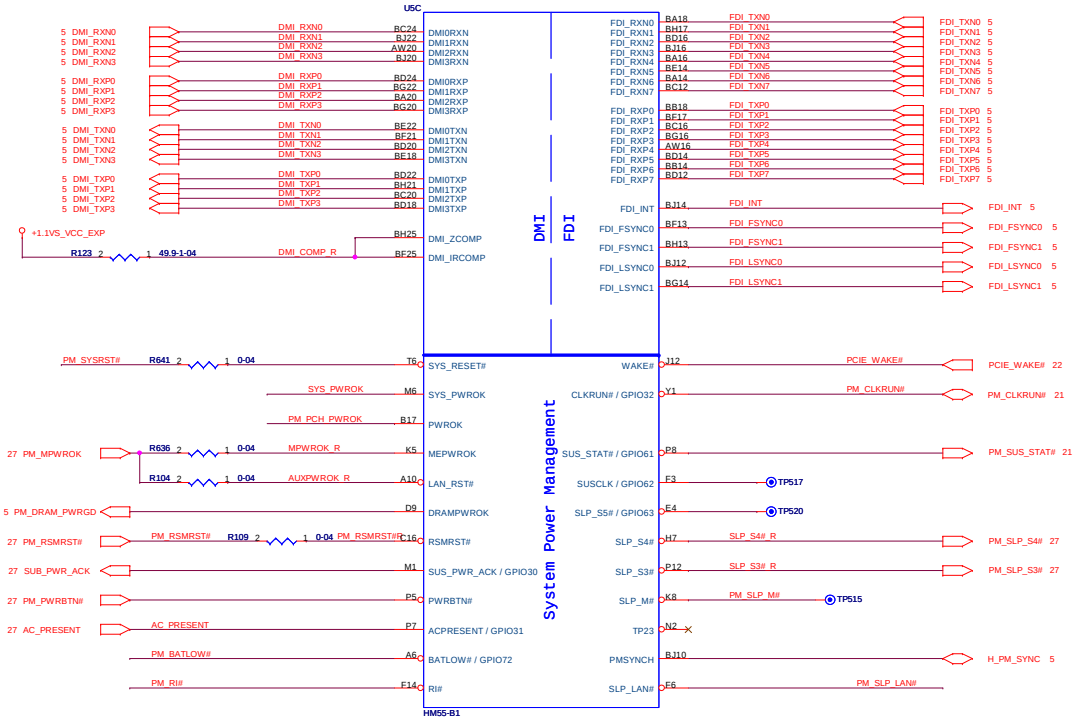
IBEXPEAK - M (DMI,FDI,GPIO)

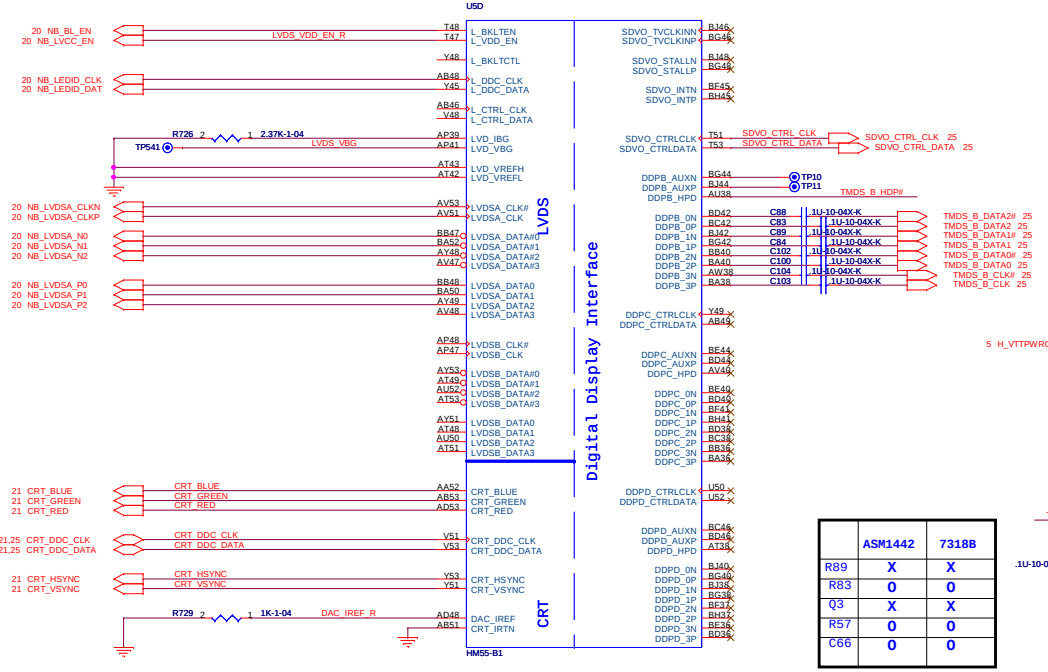
Common Motherboard Guidelines
for FDI Disabling not
followed, refer to Platrorm Design Guide

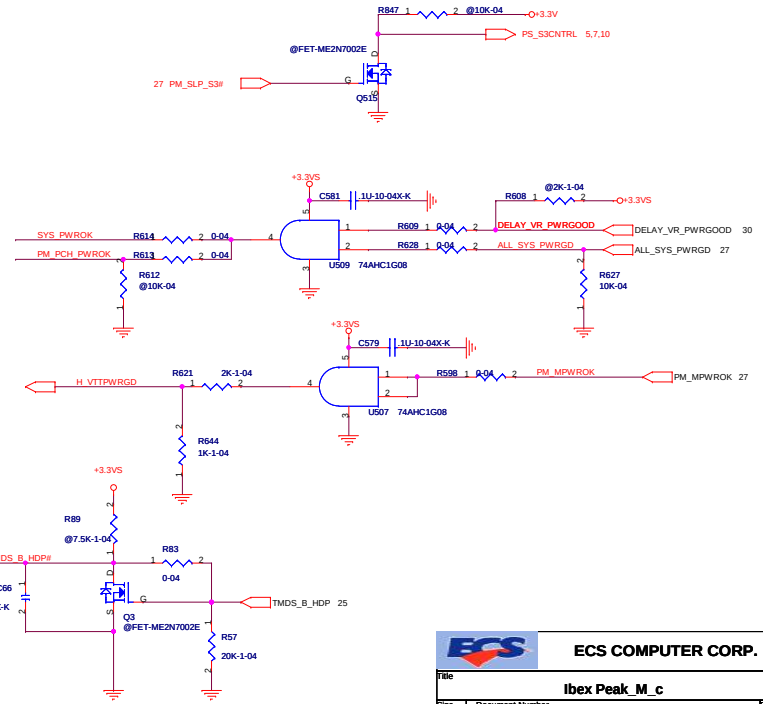
DDI Port B Detect		
SDVO_CTRL_DATA	1	Port B detected
	0	Port B not detected





IBEXPEAK - M (LVDS,DDI)





	ASM1442	7318B
R89	X	X
R83	0	0
Q3	X	X
R57	0	0
C66	0	0

ECS COMPUTER CORP.

Title	Ibex Peak_M_c	
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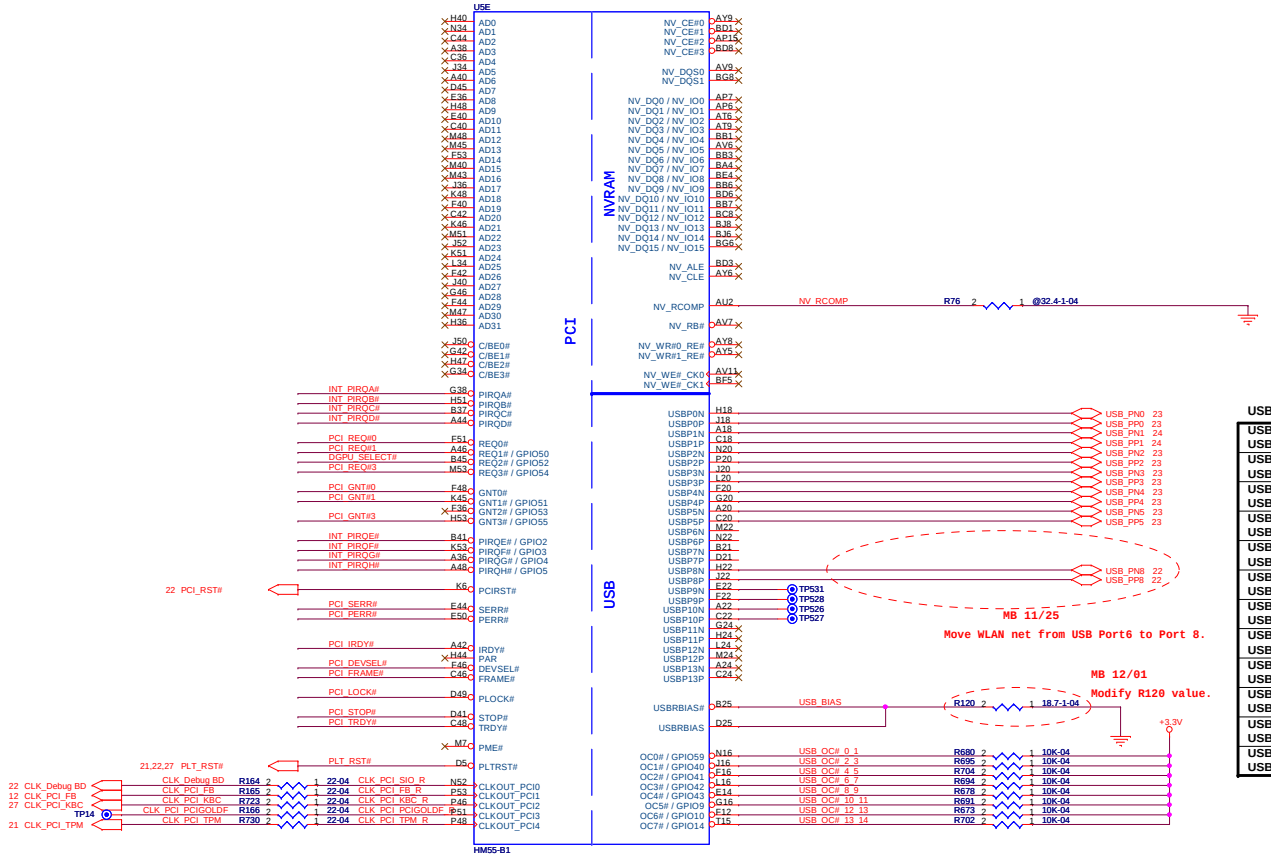
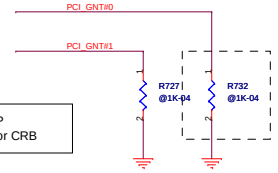
IBEXPEAK - M (PCI,USB,NVRAM)



USB Ports Table

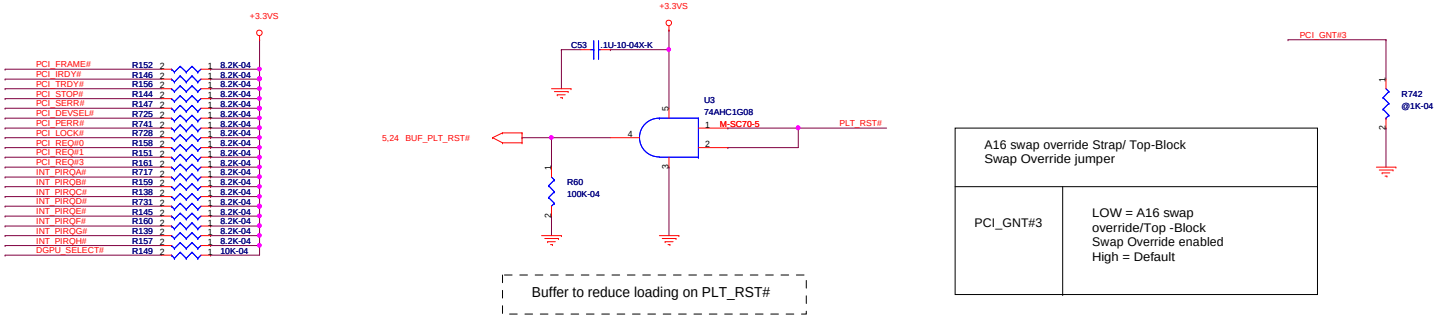
USBP0	Enchance USB
USBN0	USB_0
USBP1	USB BD
USBN1	USB_1
USBP2	USB BD
USBN2	USB_2
USBP3	Card Reader
USBN3	USB
USBP4	Web Camera
USBN4	USB
USBP5	Bluetooth
USBN5	USB
USBP6	
USBN6	
USBP7	
USBN7	
USBP8	WLAN
USBN8	USB
USBP9	
USBN9	
USBP10	
USBN10	
USBP11	
USBN11	



R? --BBS STRAP
DEFAULT :1-X for CRB

BOOT BIOS STRAP

PCI_GNT#0	PCI_GNT#1	Boot BIOS Location
0	0	LPC
0	1	Reserved (NAND)
1	0	PCI
1	1	SPI



Buffer to reduce loading on PLT_RST#

A16 swap override Strap/ Top-Block Swap Override jumper

PCI_GNT#3	LOW = A16 swap override/Top -Block Swap Override enabled High = Default

Danbury Technology
Disabled shen LOW
Enabled when HIGH

ECS COMPUTER CORP.

Title	Ibex Peak_M_d	
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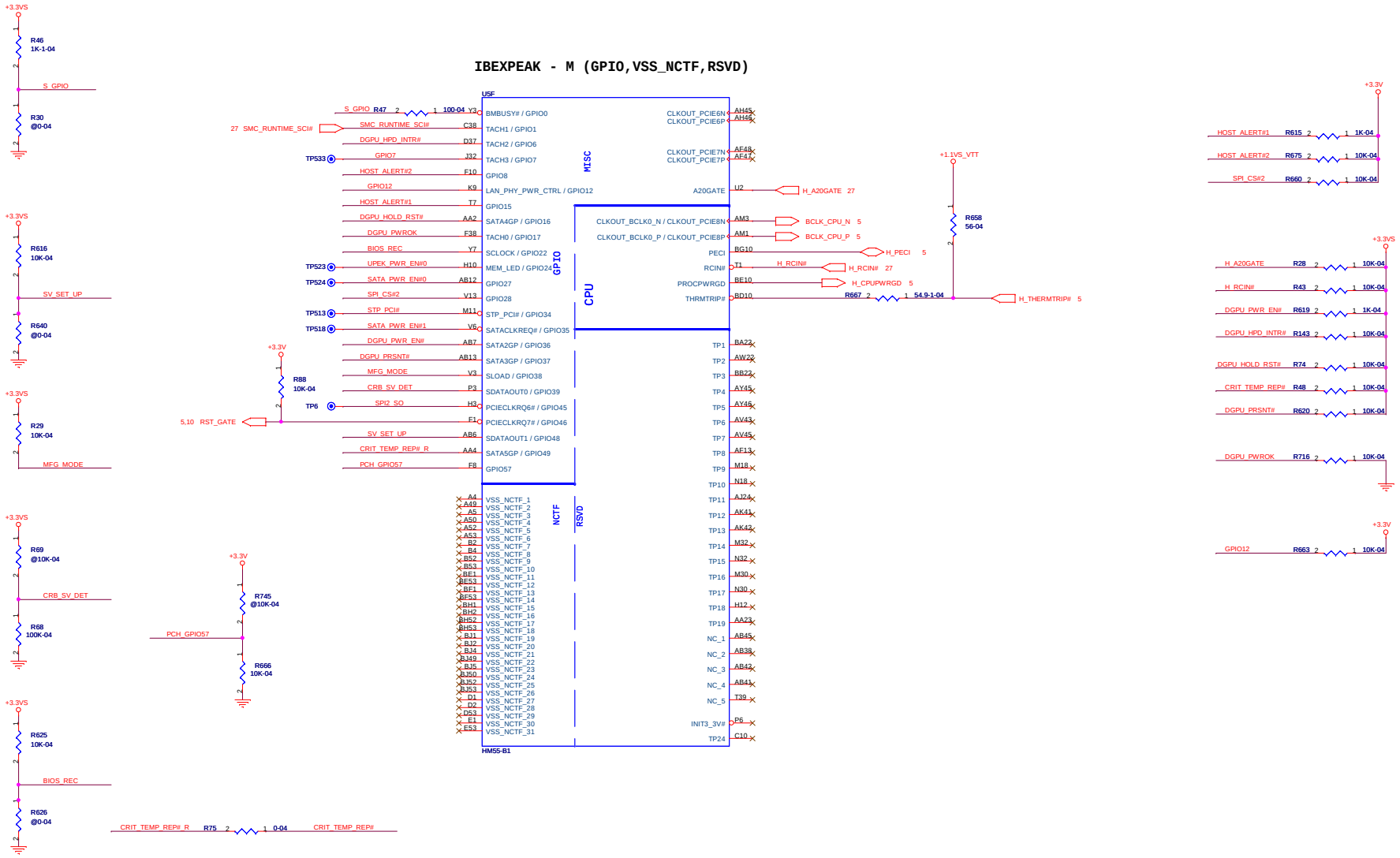
IBEXPEAK - M (GPIO,VSS_NCTF,RSVD)



ECS COMPUTER CORP.	
Title	Ibex Peak_M_f
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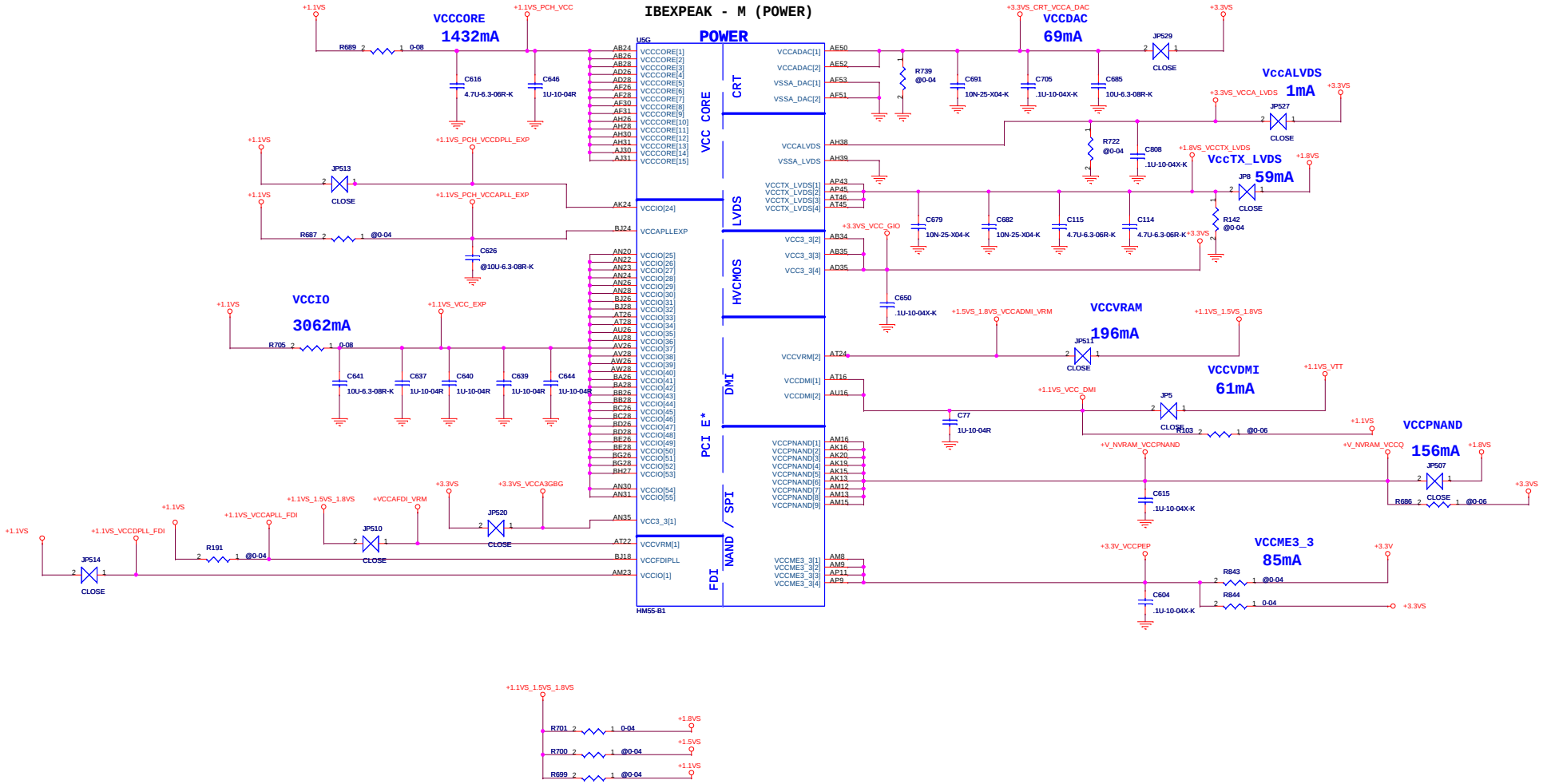
IBEXPEAK - M (POWER)
POWER
VCCCORE
1432mA
VCCDAC
69mA
VccALVDS
1mA
VccTX_LVDS
59mA
VCCIO
3062mA
VCCVRAM
196mA
VCCVDMI
61mA
VCCPNAND
156mA
VCCME3_3
85mA
U5G
VCC CORE
CRT
LVDS
HVCMOS
PCI E*
DMI
SPI
NAND
FDI
HM55-B1
ECS COMPUTER CORP.
Ibex Peak_g
C42IIX
Rev C
Friday, December 04, 2009
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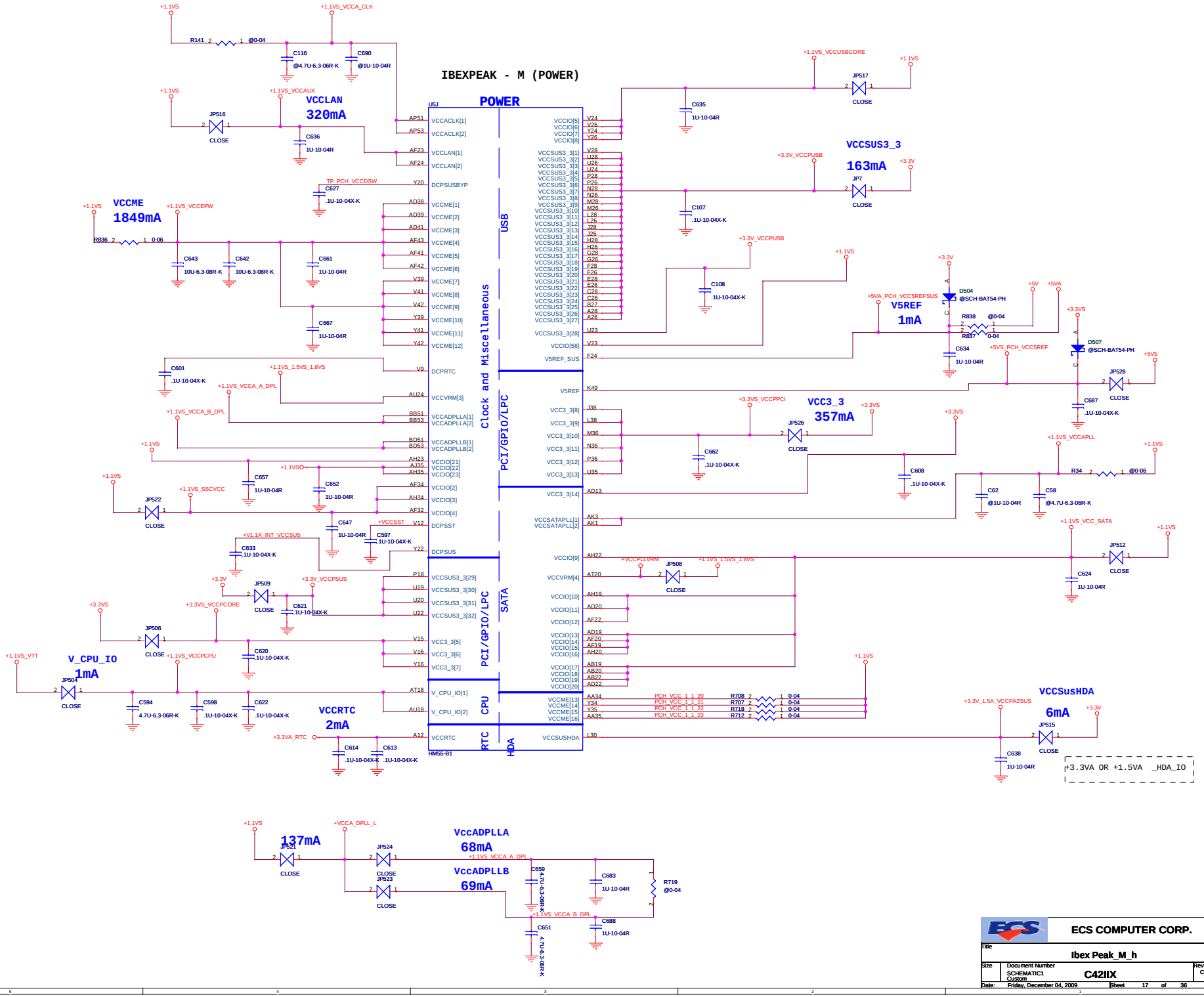
IBEXPEAK - M (POWER)
POWER
VCCLAN
320mA
VCCME
1849mA
V_CPU_IO
1mA
VCCRTC
2mA
VCCSUS3_3
163mA
V5REF
1mA
VCC3_3
357mA
VCCSusHDA
6mA
137mA
VccADPLLA
68mA
VccADPLLB
69mA
U5J
HM55-B1
USB
Clock and Miscellaneous
PCI/GPIO/LPC
SATA
CPU
RTC
HDA
+3.3VA OR +1.5VA _HDA_IO
ECS COMPUTER CORP.
Ibex Peak_M_h
C42IIX
Rev C
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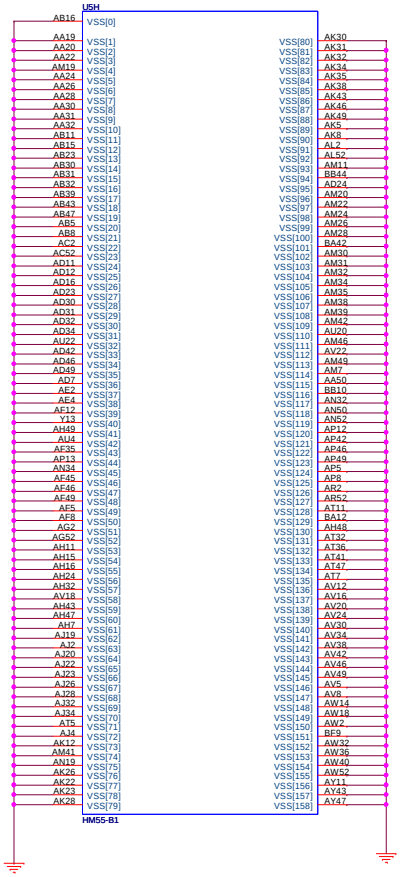
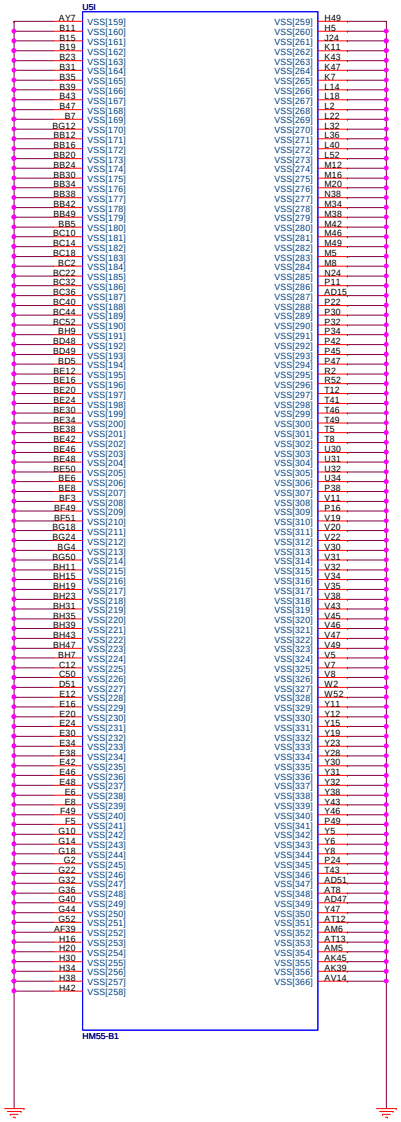
IBEX PEAK-M (GND)





ECS COMPUTER CORP.

Title	Ibex Peak_M_GND	
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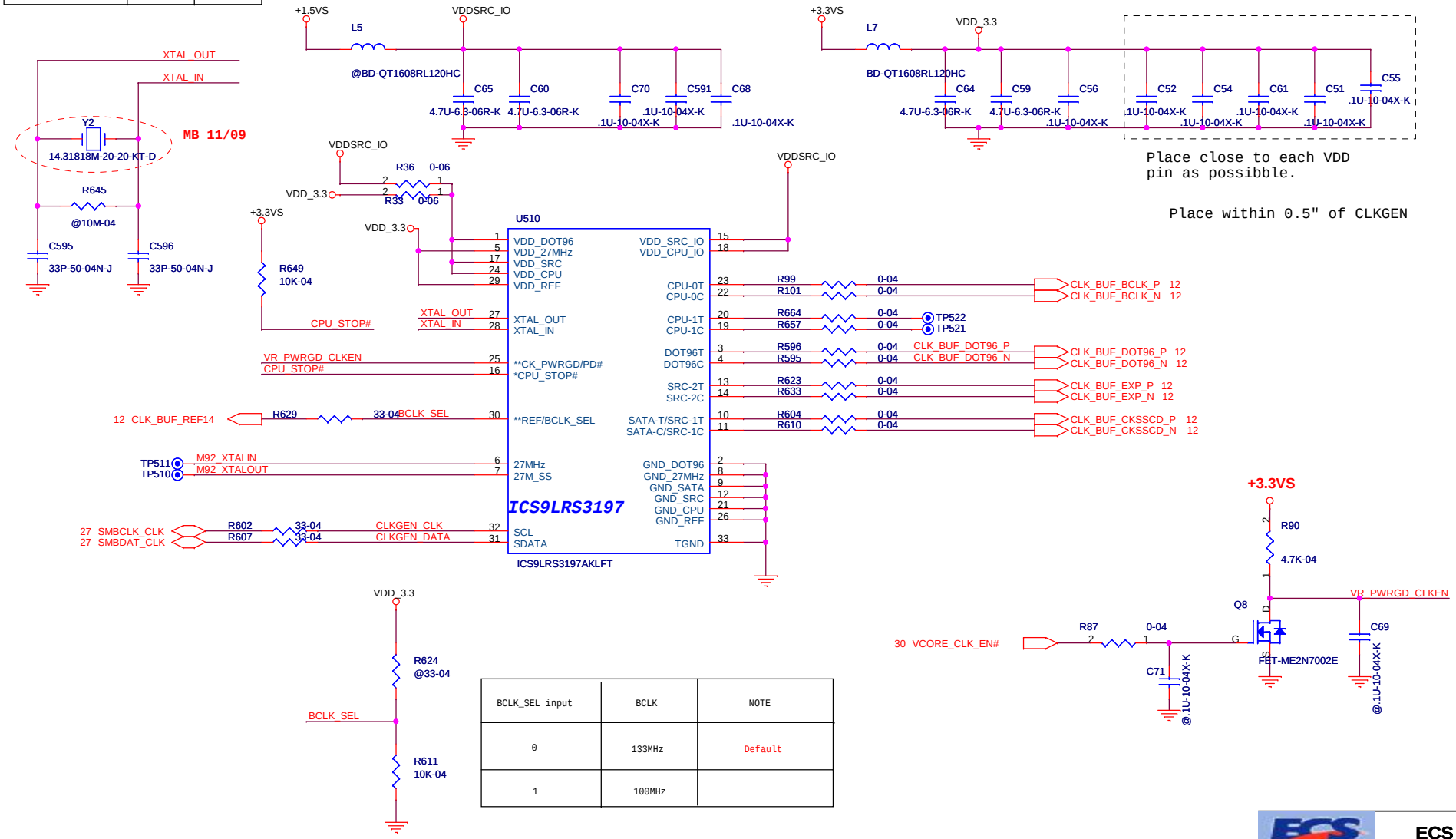
	L7	L5
ICS9LRS3197	X	O
ICS9LVS3197	O	X



BCLK_SEL input	BCLK	NOTE
0	133MHz	Default
1	100MHz	

CLK_BUF_REF14 12

ECS COMPUTER CORP.

Title: CLOCK GEN (ICS9LRS3197)

Size: B | Document Number: SCHEMATIC1 C42IIX | Rev: C

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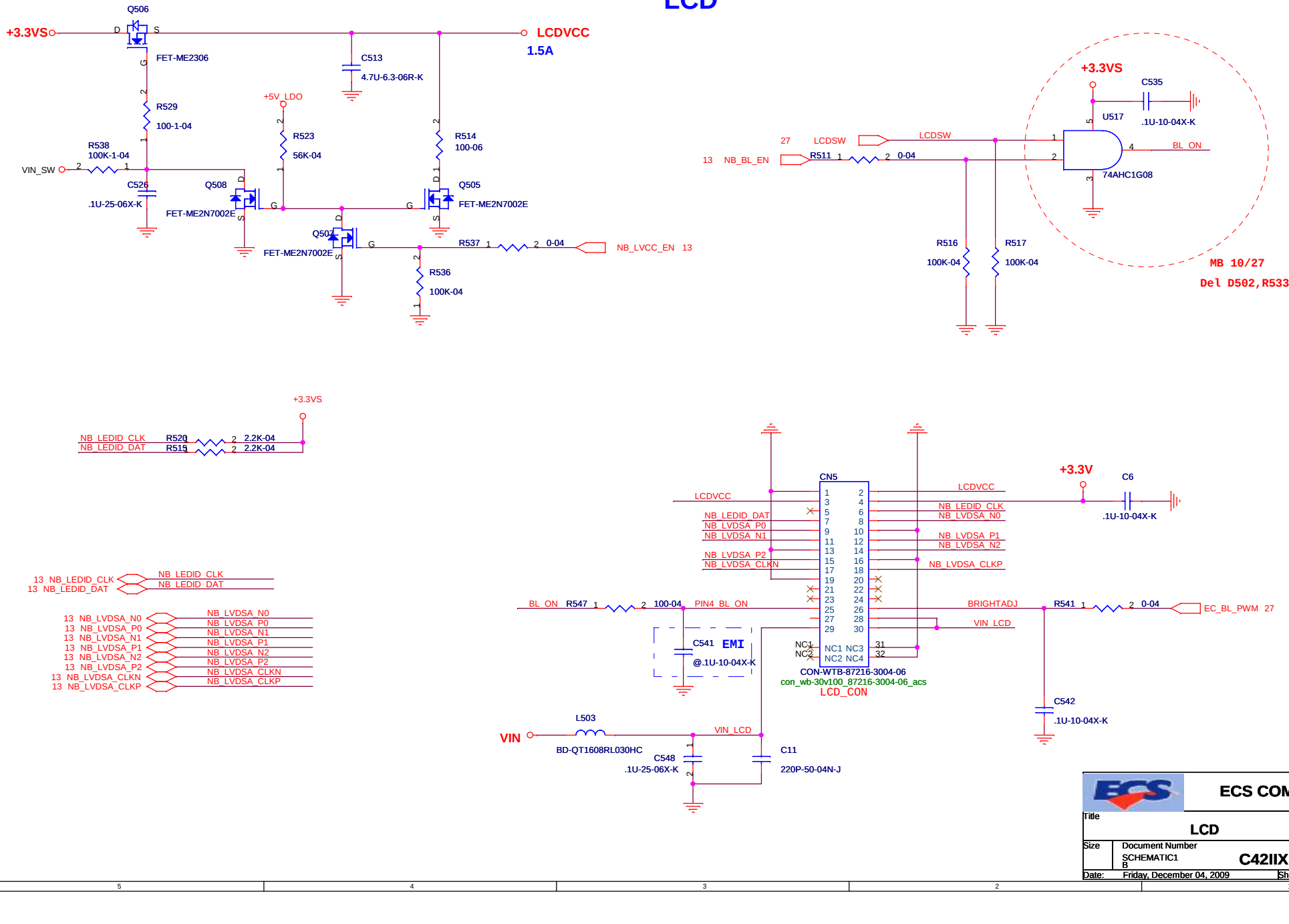
LCD



ECS COMPUTER CORP.		
Title: LCD		
Size:	Document Number: SCHEMATIC1 B C42IIX	Rev: C
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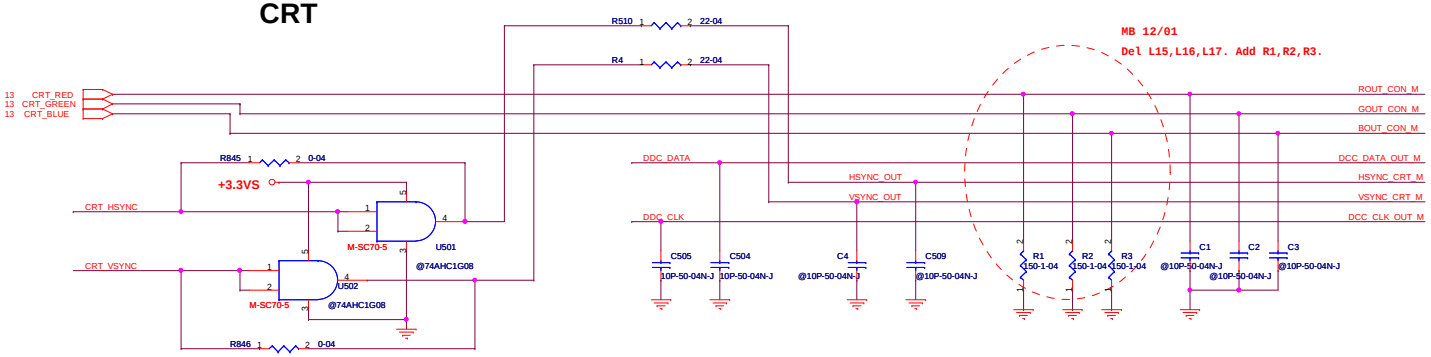
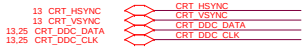
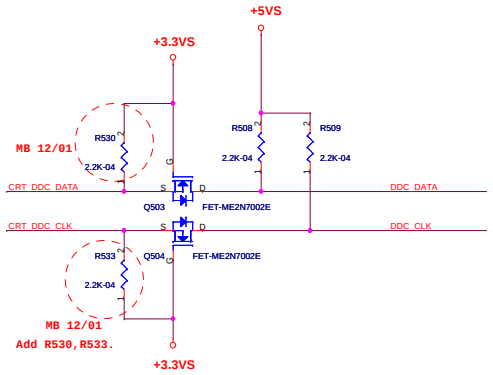
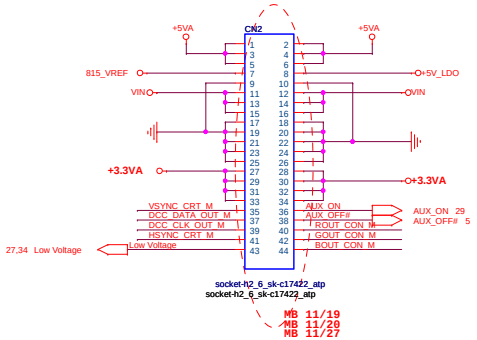
CRT



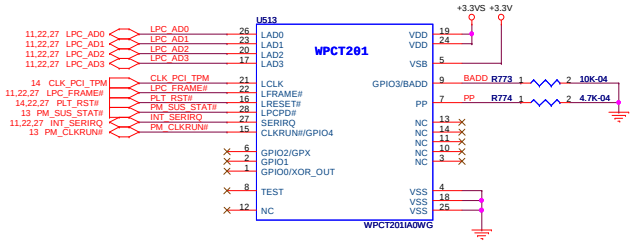


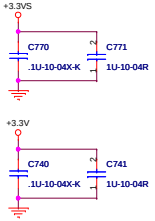


Connect to Power BD
CRT/+3.3VA/+5VA Conn

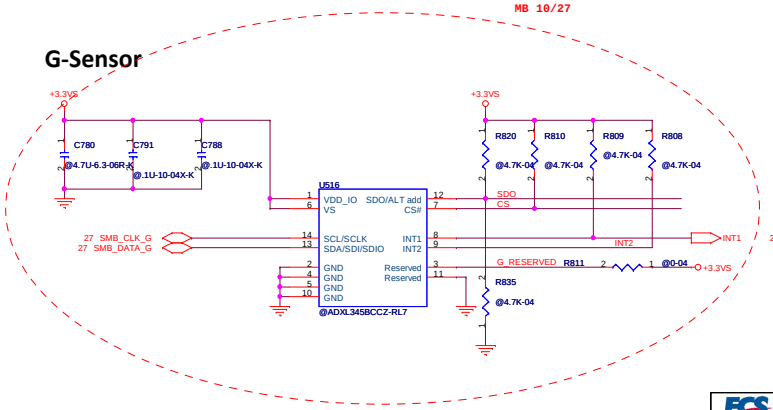


TPM





G-Sensor



Elitegroup Computer Systems			
Title: CRT/TPM/G-SNSOR			
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	SCHEMATIC1		
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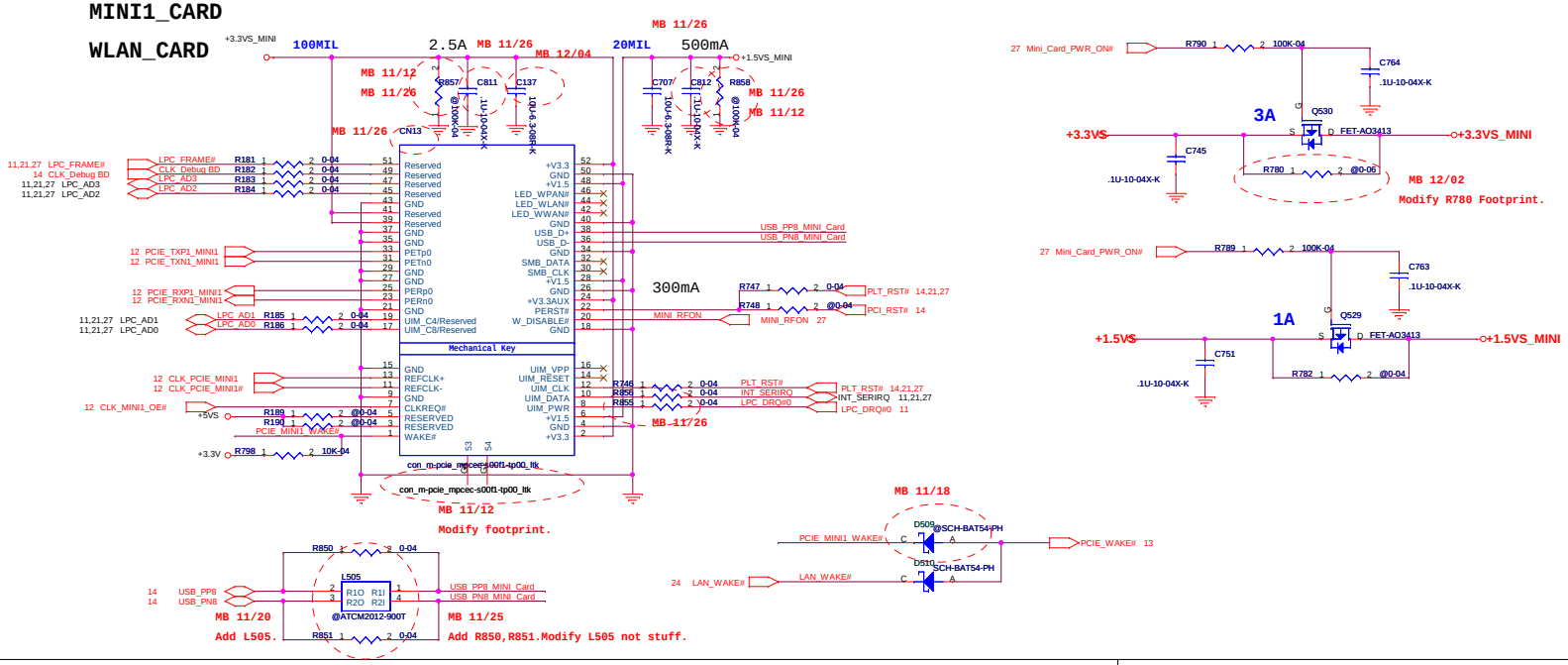
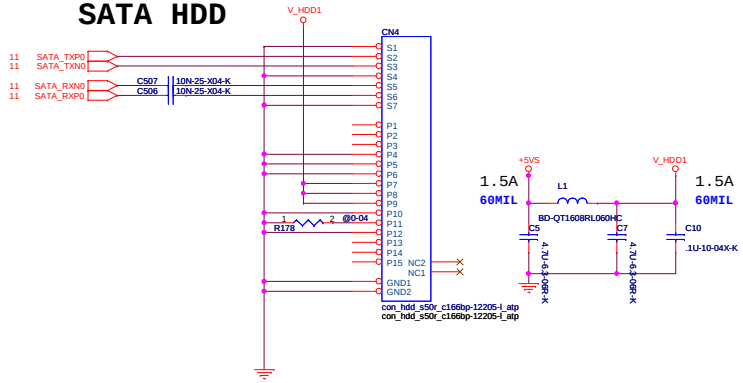
MINI1_CARD

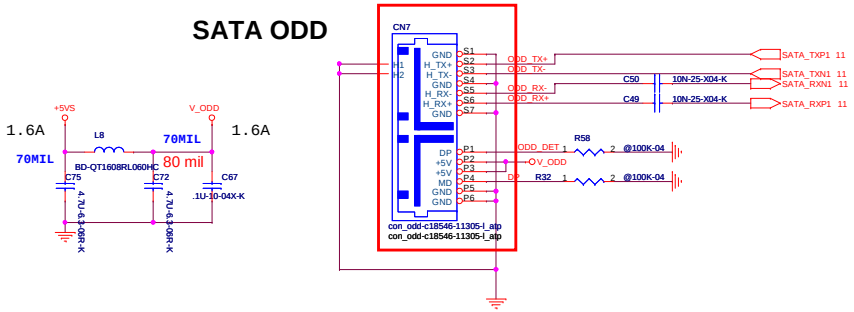
WLAN_CARD



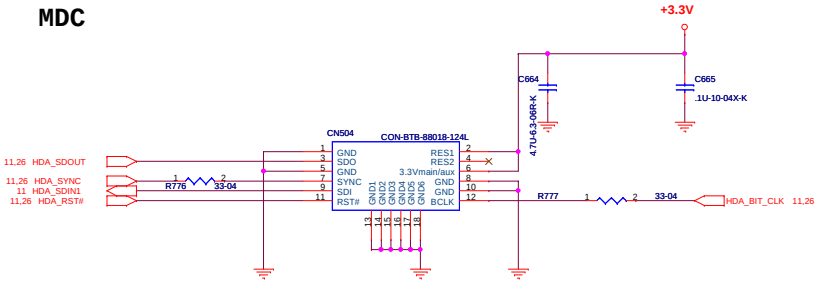
SATA HDD



SATA ODD



MDC



ECS COMPUTER CORP.	
Title	MINI CARD/ODD/HDD/MDC CON
Size	Document Number: SCHEMATIC1 Custom — C42IIX — Rev C
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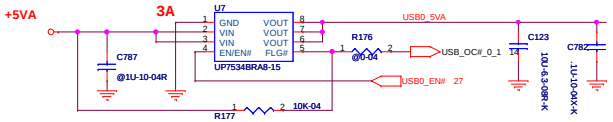
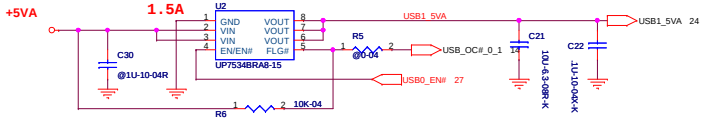
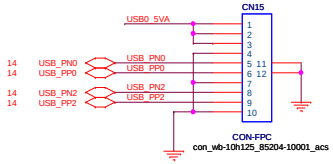
USB0/USB2



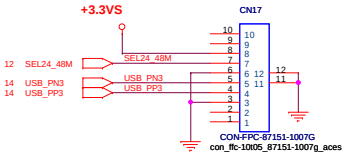
USB1



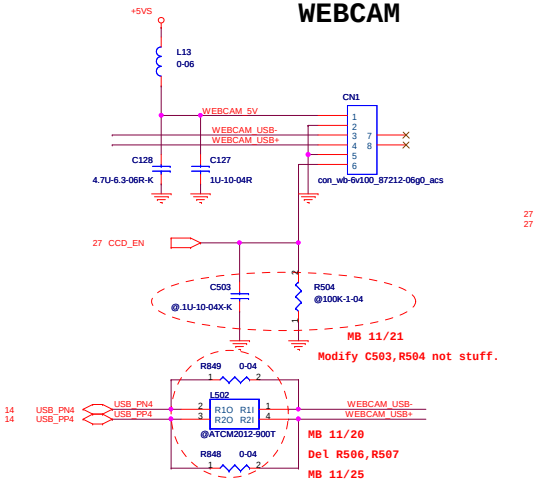
Connect to USB BD
USB CONN



Connect to Card Reader
Card Reader Conn



WEBCAM

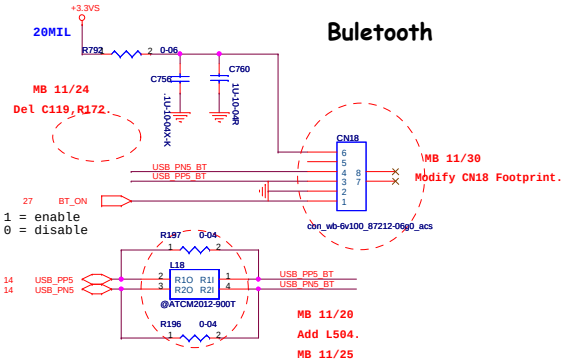


MB 11/21
Modify C503,R504 not stuff.

MB 11/20
Del R506,R507

MB 11/25
Add R848,R849. Modify L502 not stuff.

Buletooth



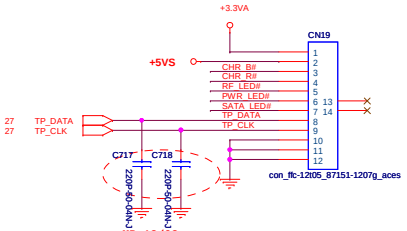
MB 11/30
Modify CN18 Footprint.

MB 11/20
Add L504.

MB 11/25
Add R196,R197. Modify L504 not stuff.

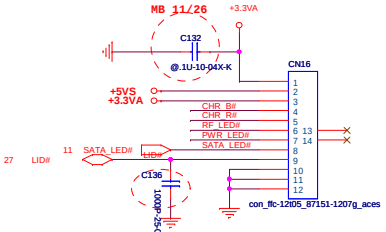
MB 11/26

Connect to TP+LED BD
TP+LED Conn



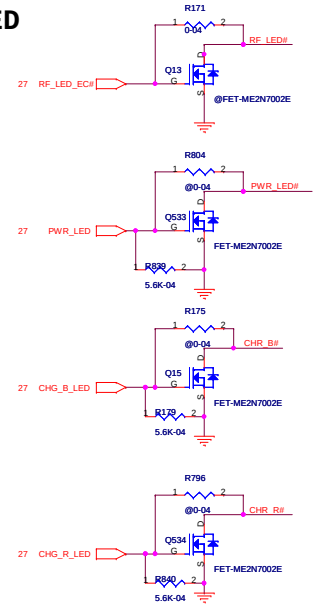
MB 12/02
Add C717,C718 for EMI.

Connect to LED/LID BD
LED/LID CONN



MB 12/02
Add C136 for EMI.

LED



ECS COMPUTER CORP.

CCD/BT/NEW CARD/EXT_USB CON

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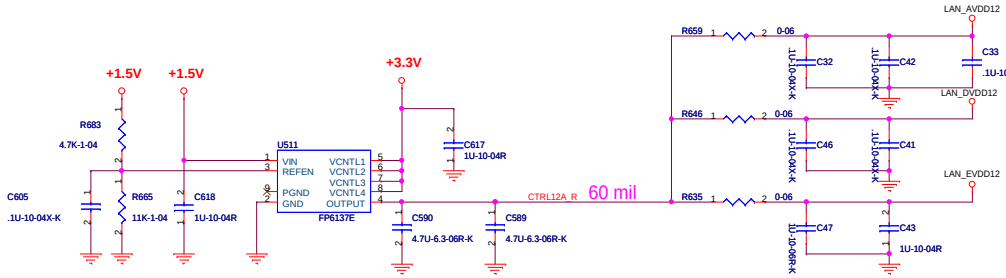
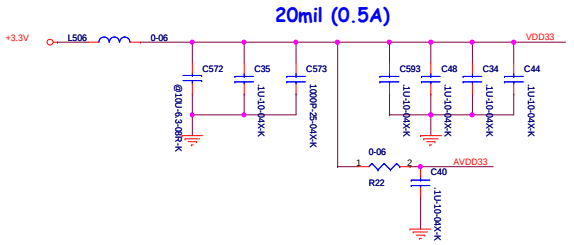
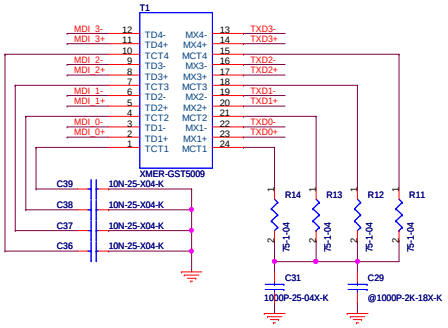
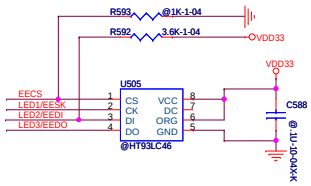


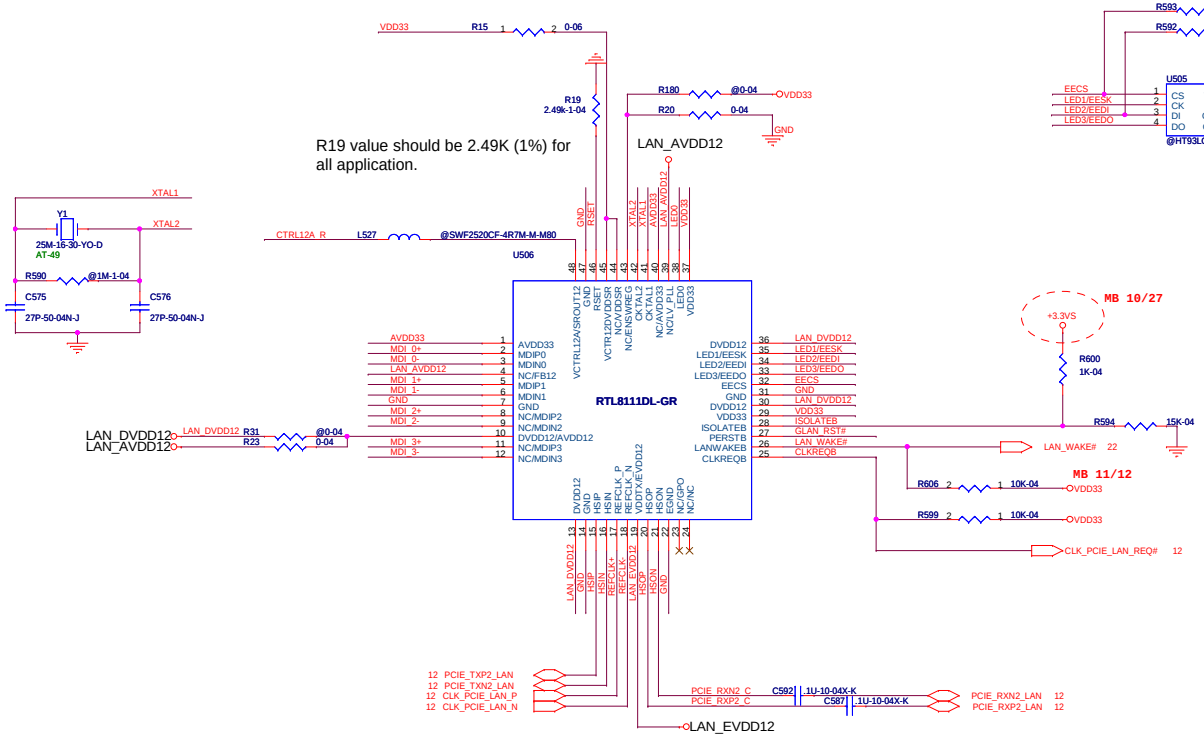




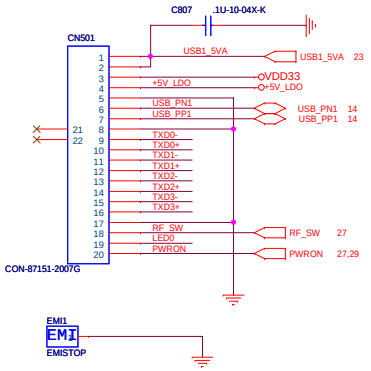
R509 is only required by RTL8102EL and RTL8103EL.



R19 value should be 2.49K (1%) for all application.



Connect to IO BD



ELITEGROUP

100M/1G LAN- RTL8111DL

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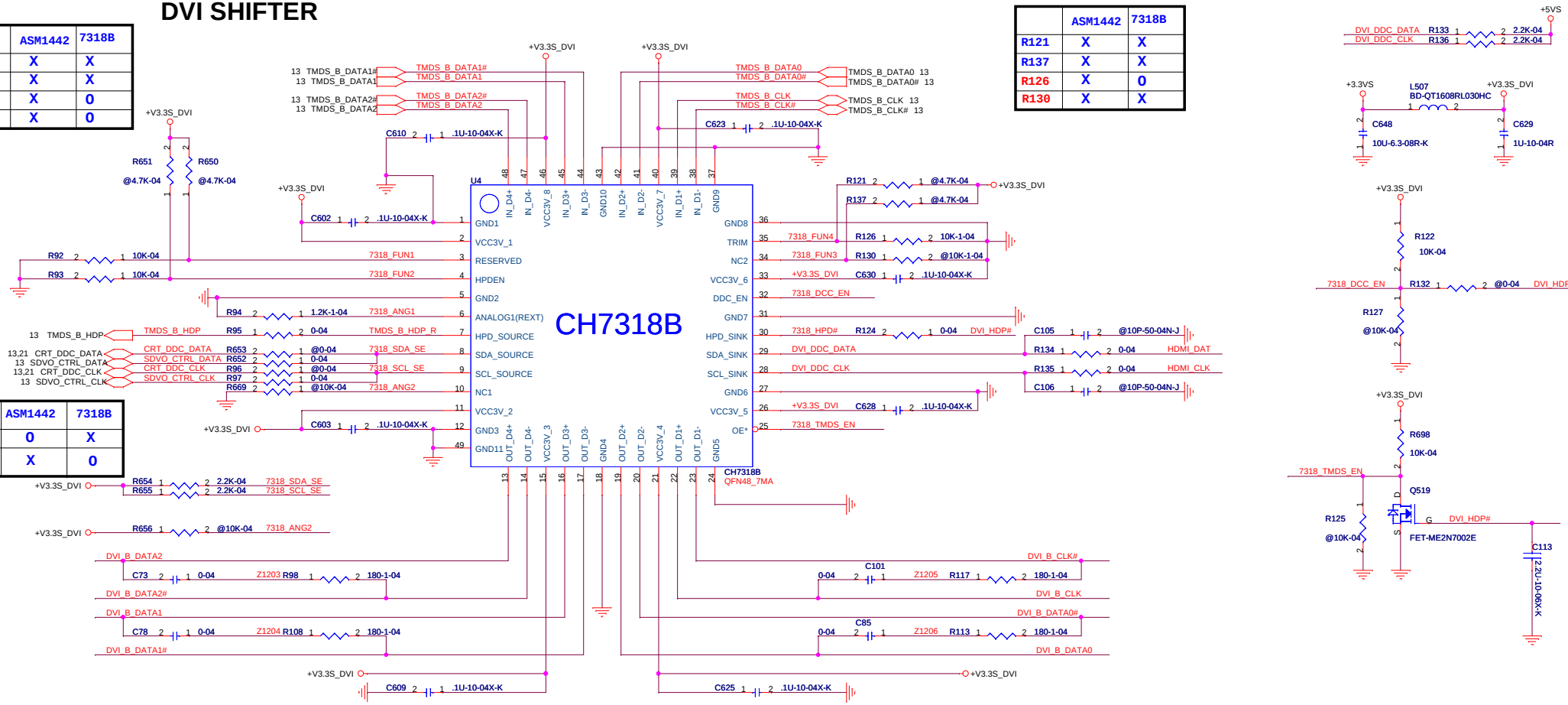
DVI SHIFTER

	ASM1442	7318B
R651	X	X
R650	X	X
R92	X	0
R93	X	0

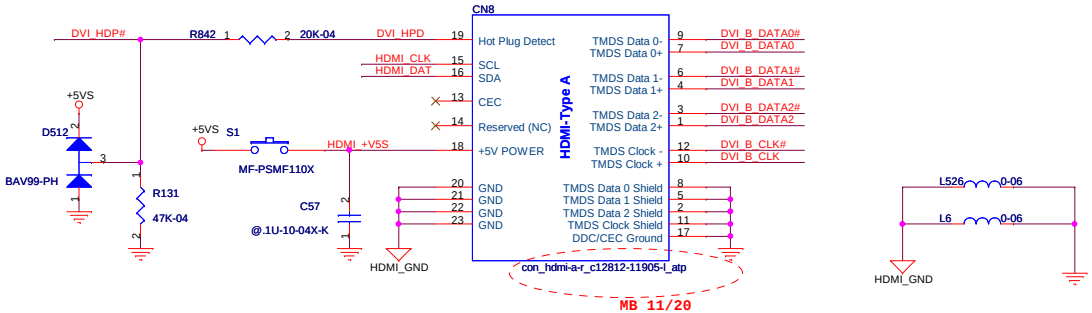
	ASM1442	7318B
R121	X	X
R137	X	X
R126	X	0
R130	X	X

R94	ASM1442	7318B
3.4K	0	X
1.2K	X	0

	ASM1442	7318B
R117	X	0
C101	X	0
R113	X	0
C85	X	0
R108	X	0
C78	X	0
R98	X	0
C73	X	0

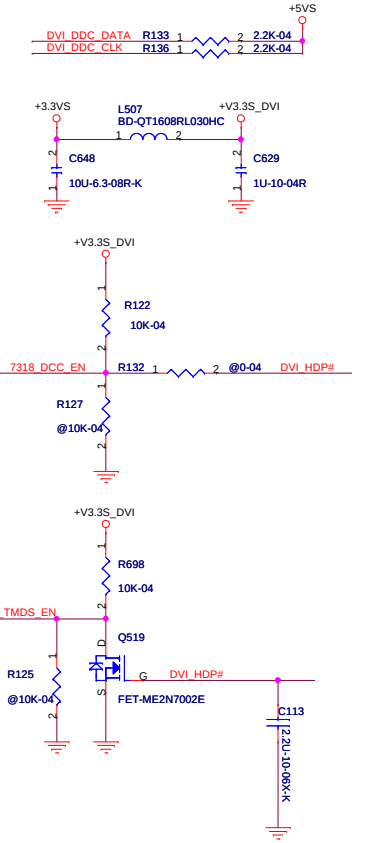


HDMI Conn.



MB 11/20

Modify Footprint.



Title	DVI SHIFTER/SMART PWR
Size	Document Number: SCHEMATIC1 Custom — C42IIX — Rev C
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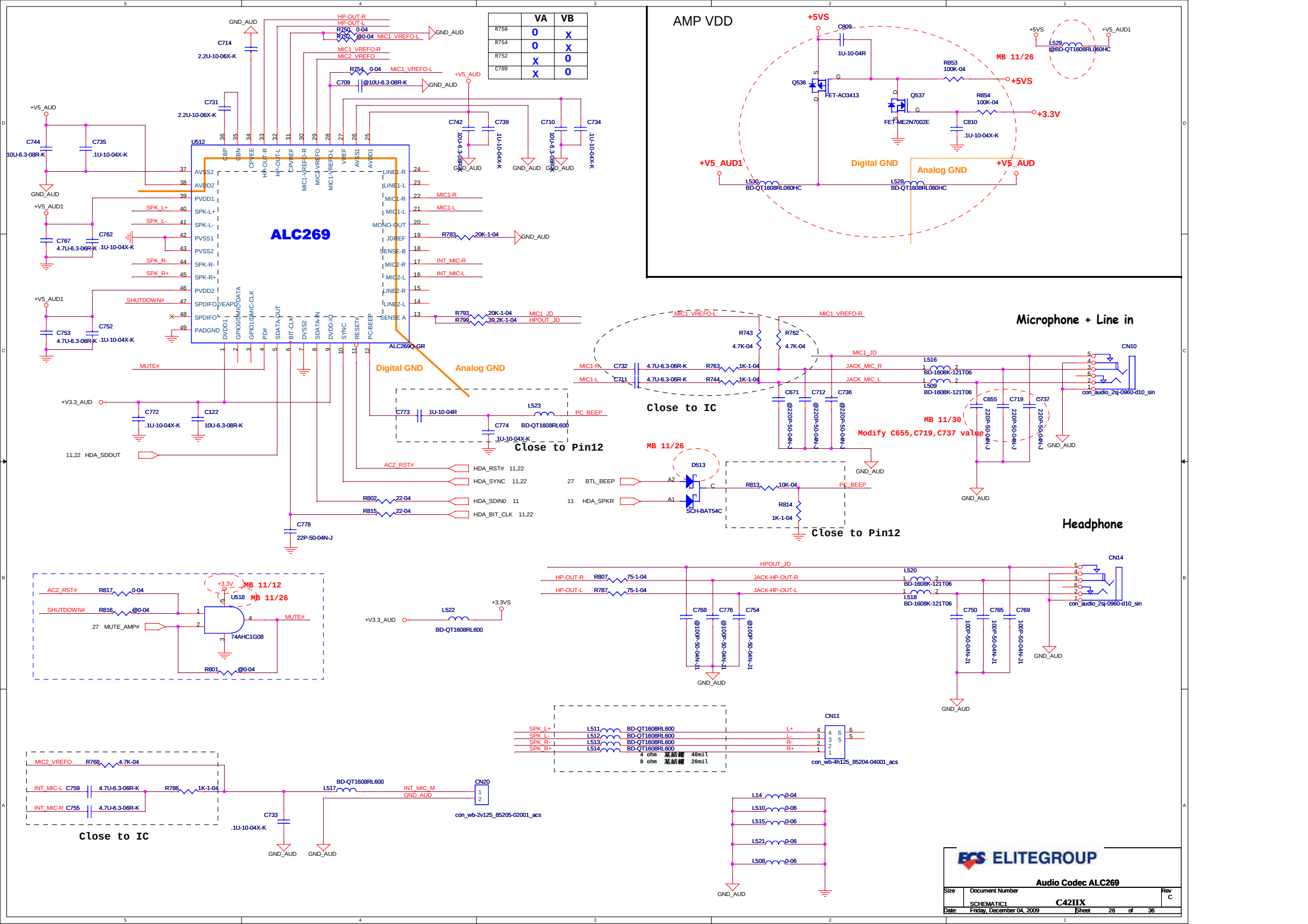
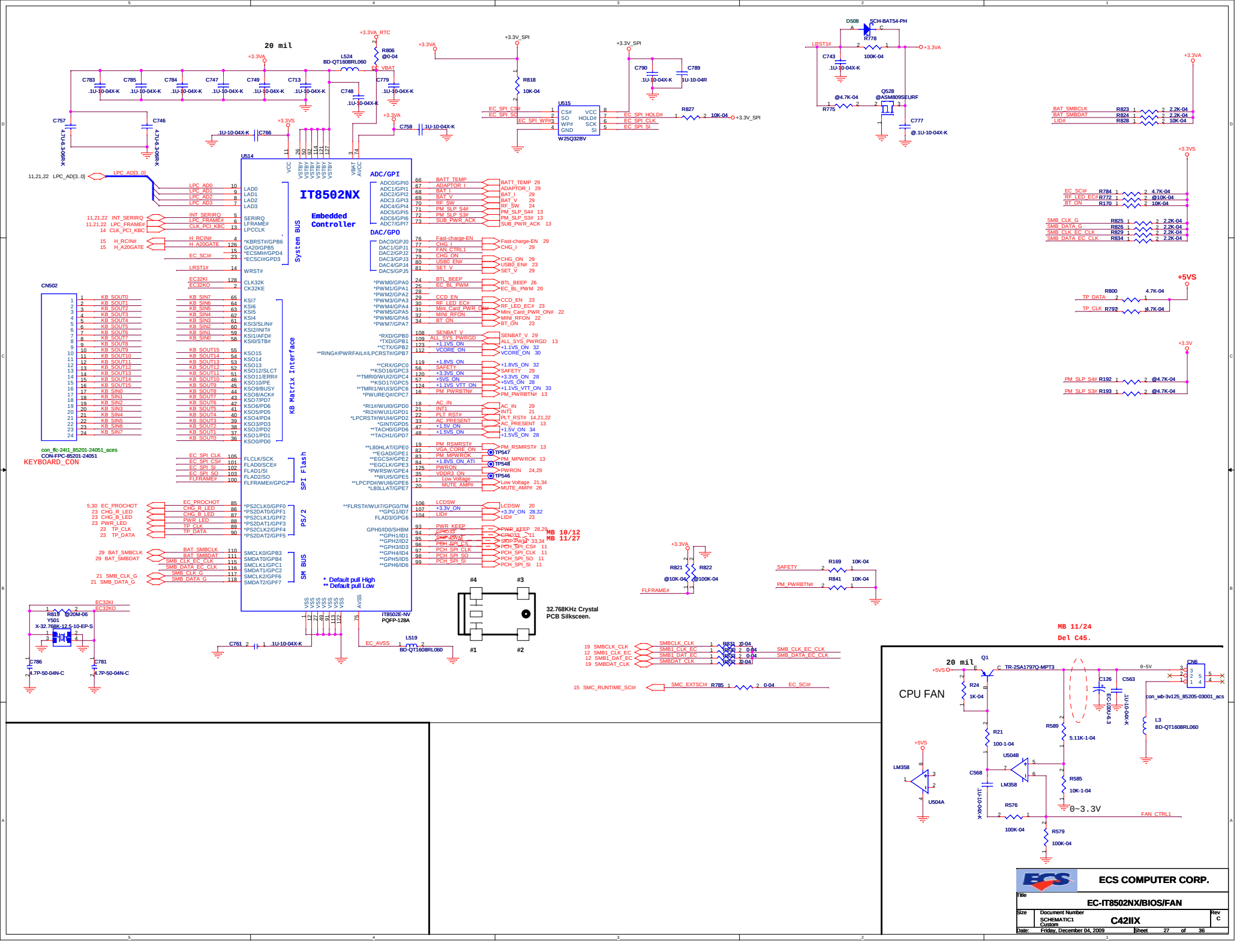
ECS COMPUTER CORP.



	VA	VB
R750	0	X
R754	0	X
R752	X	0
C709	X	0


IT8502NX
Embedded Controller
U514
ADC/GPI
DAC/GPO
System BUS
KB Matrix Interface
SPI Flash
PS/2
SM BUS
CN502
KEYBOARD_CON
con_ffc-24t1_85201-24051_aces
CON-FPC-85201-24051
U515
W25Q32BV
Q528
@ASM809SEURF
D508
SCH-BAT54-PH
Y501
X-32.768K-12.5-10-EP-S
IT8502E-NV
PQFP-128A
32.768KHz Crystal
PCB Silkscreen.
MB 10/12
MB 11/27
MB 11/24
Del C45.
CPU FAN
Q1
TR-2SA1797Q-MPT3
LM358
U504A
U504B
con_wb-3v125_85205-03001_acs
0~3.3V
FAN_CTRL1
ECS COMPUTER CORP.
EC-IT8502NX/BIOS/FAN
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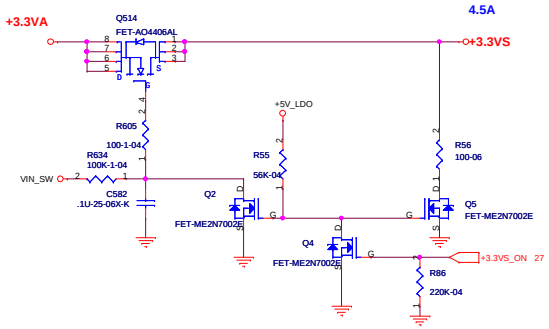
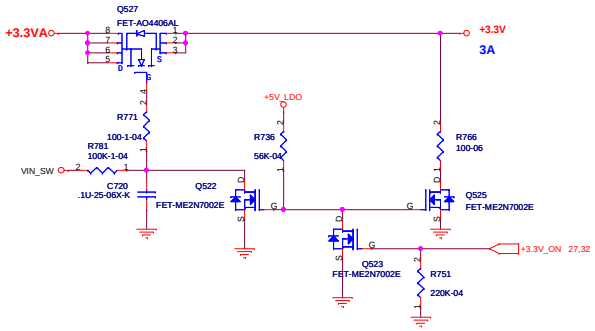
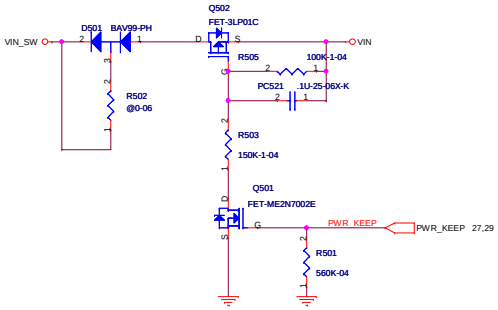
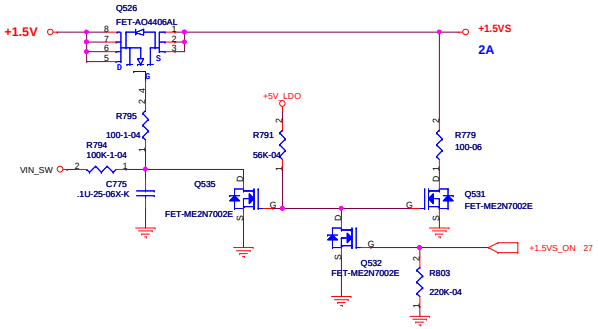
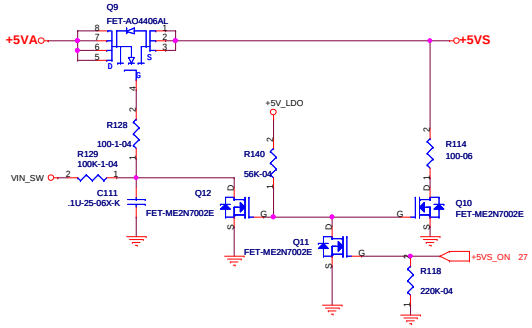
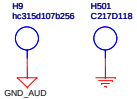


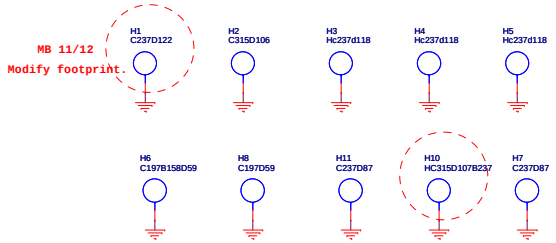


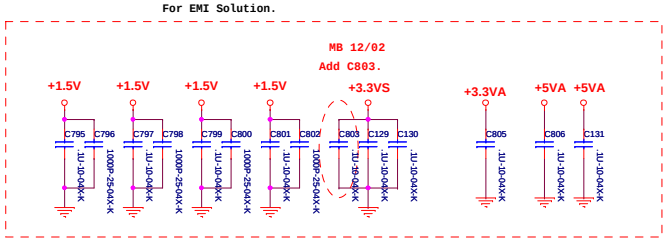


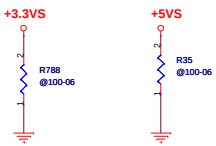


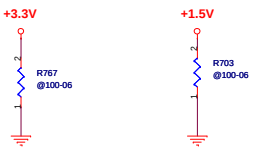


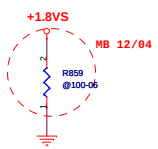




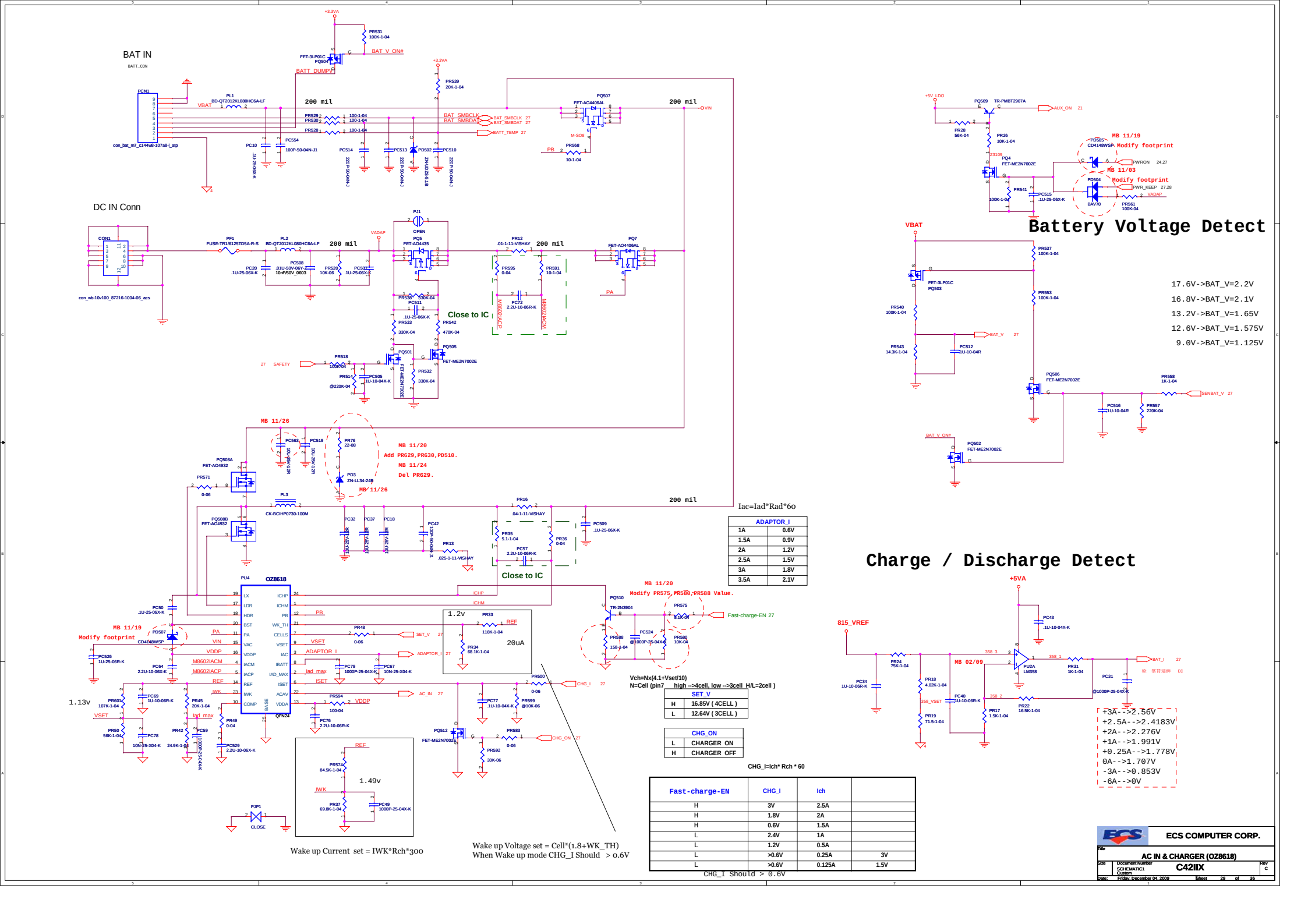








Elitegroup Computer Systems		
Title: POWER SWITCH		
Size	Document Number: C42IIX	Rev: C
	SCHEMATIC1	
Date: Friday, December 04, 2009	Sheet 28 of 36	



ADAPTOR_I	
1A	0.6V
1.5A	0.9V
2A	1.2V
2.5A	1.5V
3A	1.8V
3.5A	2.1V

SET_V	
H	16.85V (4CELL)
L	12.64V (3CELL)

CHG_ON	
L	CHARGER ON
H	CHARGER OFF

Fast-charge-EN	CHG_I	Ich	
H	3V	2.5A	
H	1.8V	2A	
H	0.6V	1.5A	
L	2.4V	1A	
L	1.2V	0.5A	
L	>0.6V	0.25A	3V
L	>0.6V	0.125A	1.5V

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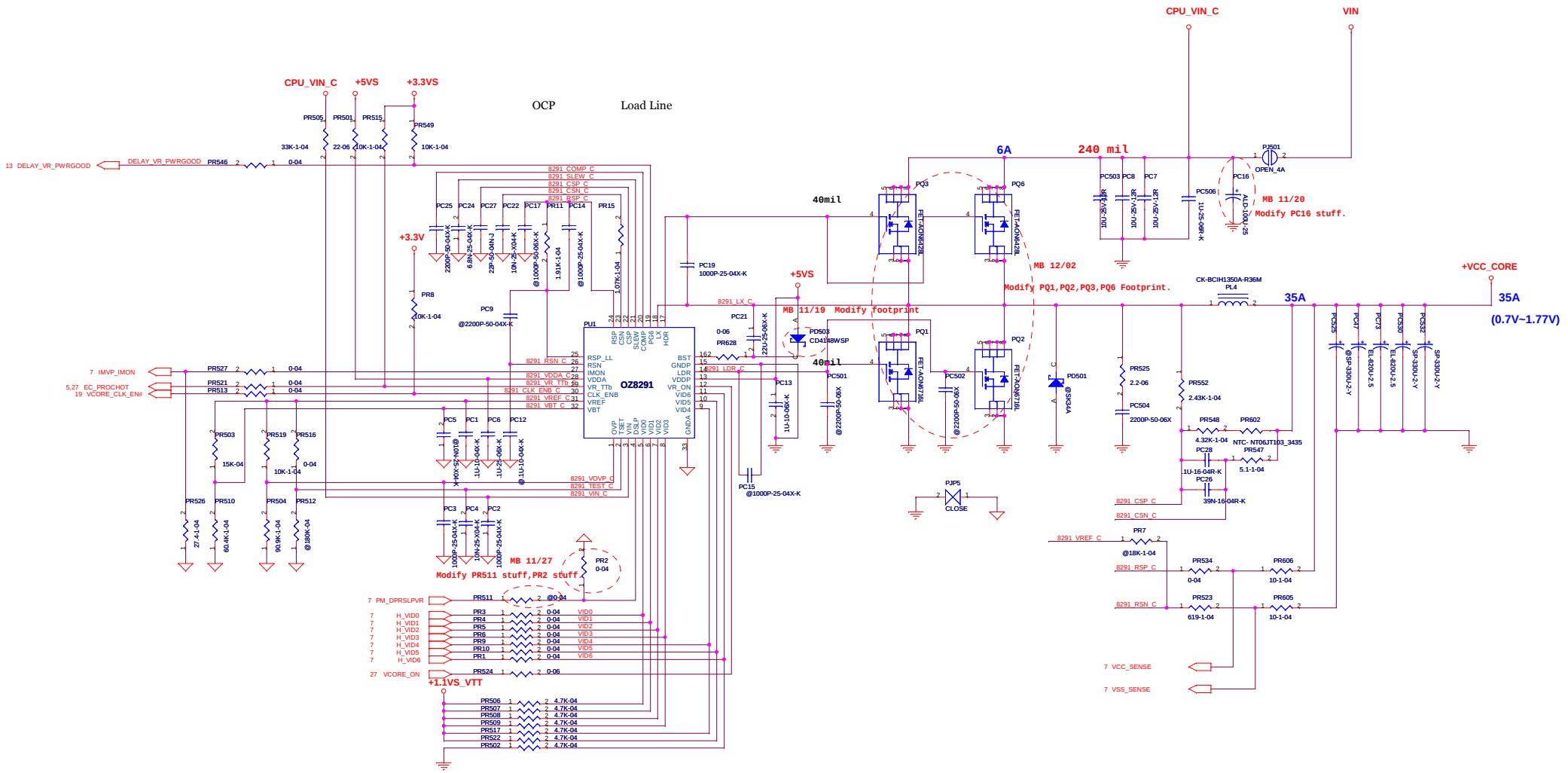
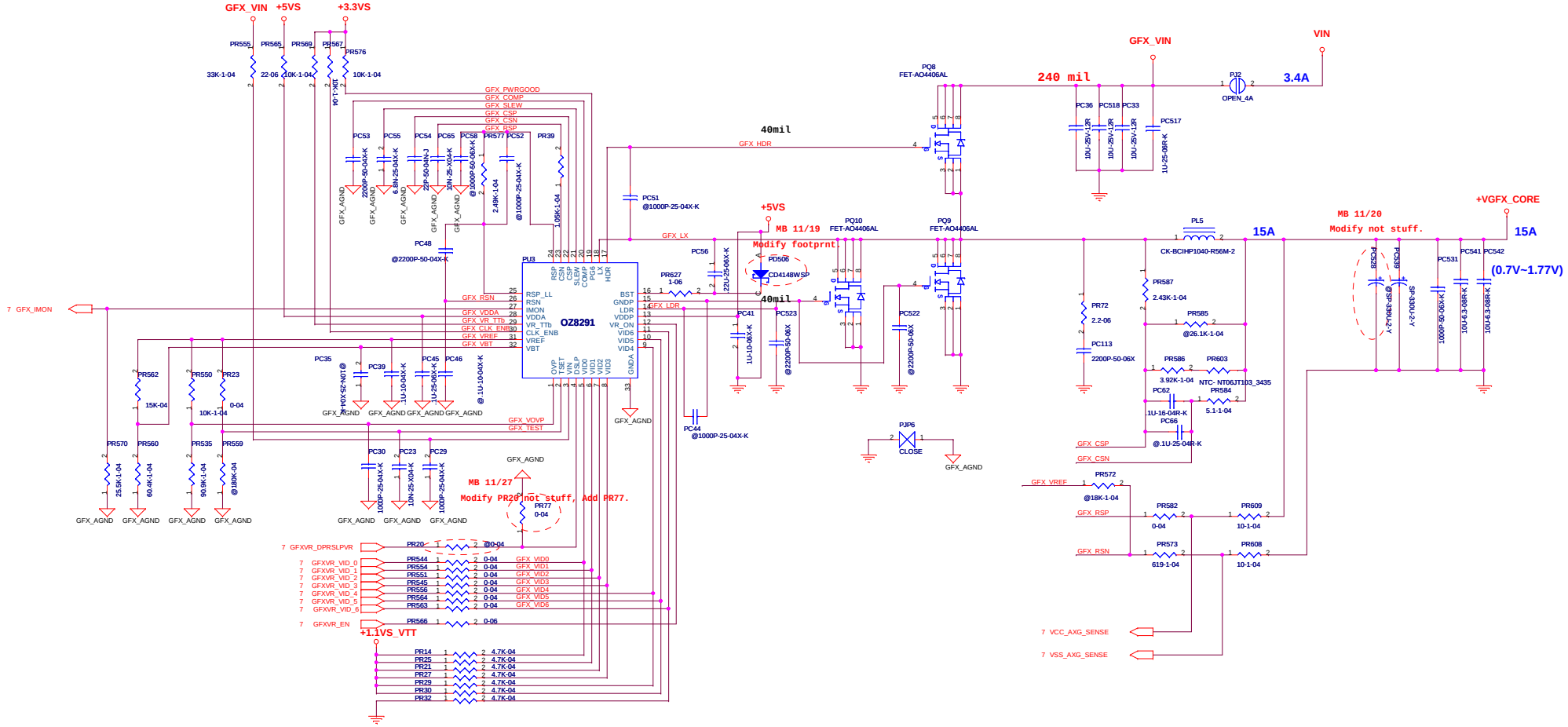


ECS COMPUTER CORP.			
Title	+VCC_CORE (OZ8291)		
Size	Document Number SCHEMATIC1 Custom	C42IIX	Rev C
Date: Friday, December 04, 2009	Sheet 30 of 36		



Company	ECS COMPUTER CORP.
Title	+VGFX_CORE (OZ8291)
Size	Document Number: SCHEMATIC1 — C42IIX — Rev: C
Date	Friday, December 04, 2009
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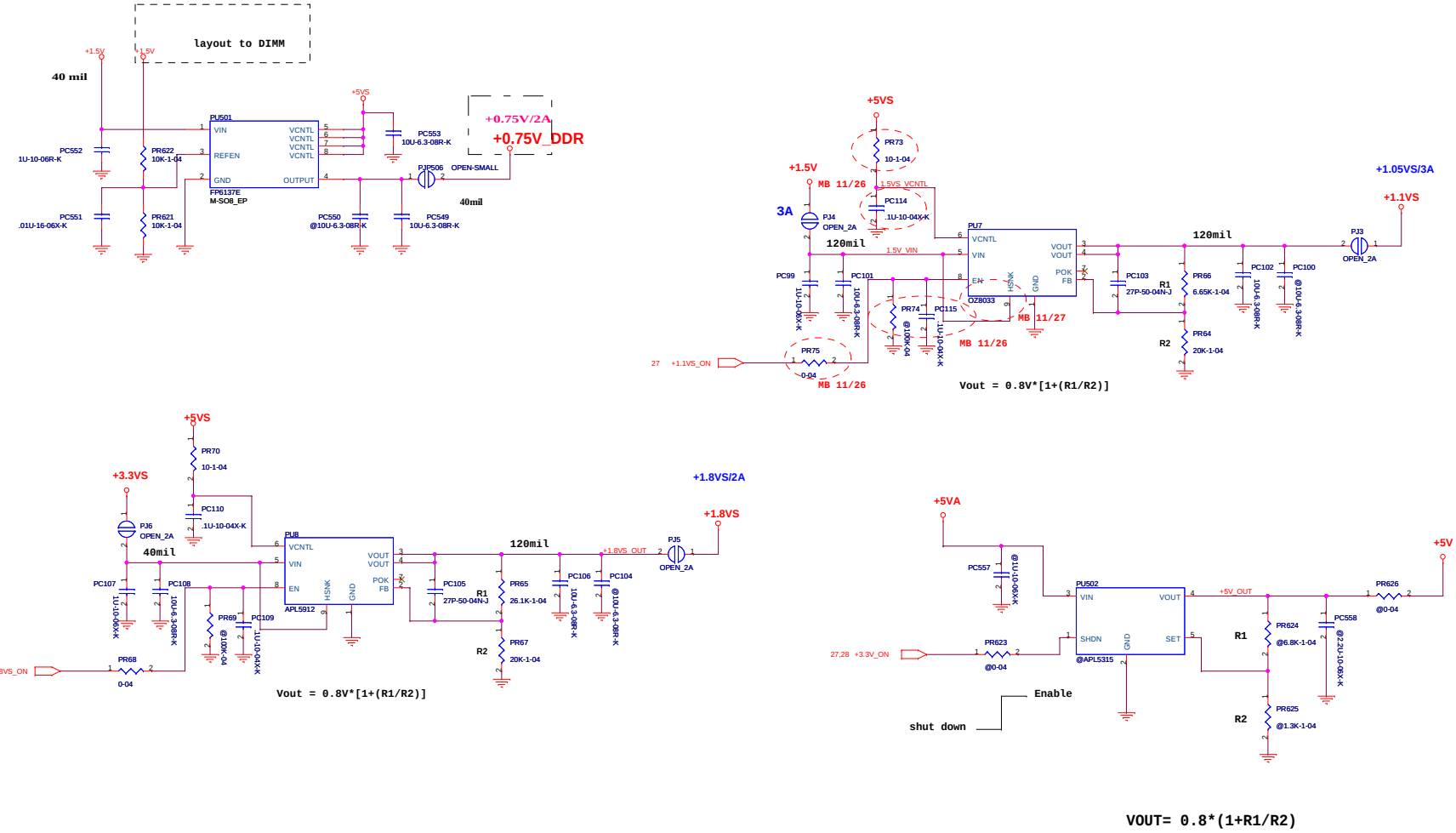

Elitegroup Computer Systems			
Title	0.75_DDR/1.8V/1.5V/1.2V/1.05V		
Size	Document Number	C42IIX	Rev C
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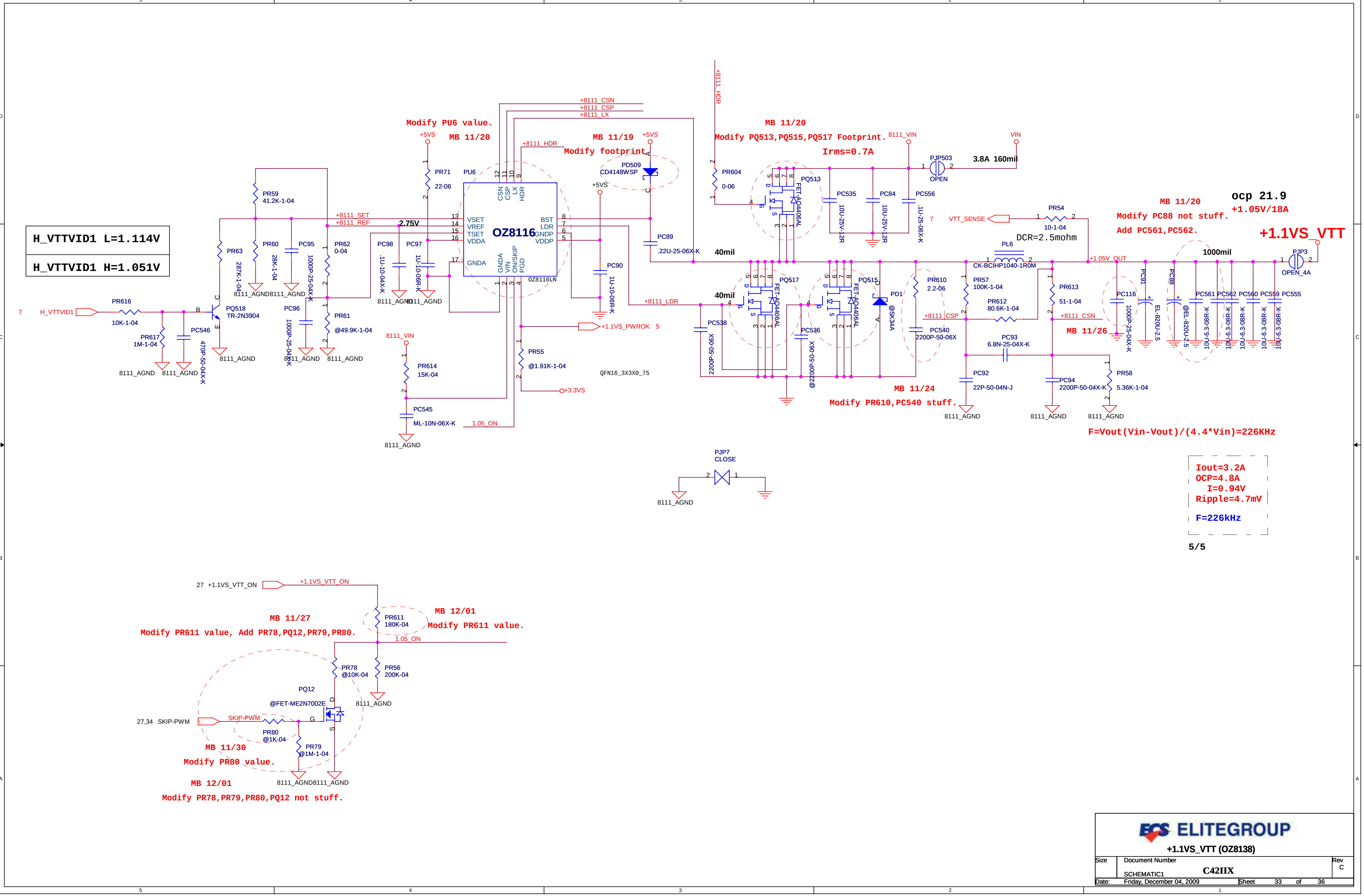
Date: Friday, December 04, 2009	Sheet 32 of 36		


H_VTTVID1 L=1.114V
H_VTTVID1 H=1.051V
Modify PU6 value.
MB 11/20
MB 11/19
Modify footprint.
MB 11/20
Modify PQ513,PQ515,PQ517 Footprint.
Irms=0.7A
3.8A 160mil
ocp 21.9
+1.05V/18A
+1.1VS_VTT
MB 11/20
Modify PC88 not stuff.
Add PC561,PC562.
DCR=2.5mohm
40mil
40mil
1000mil
OZ8116
PU6
QFN16_3X3X0_75
+8111_CSN
+8111_CSP
+8111_LX
+8111_HDR
+8111_SET
+8111_REF
2.75V
H_VTTVID1
PQ518
TR-2N3904
PQ513
PQ517
PQ515
PD509
CD4148WSP
PL6
CK-BCIHP1040-1R0M
VTT_SENSE
+1.05V_OUT
+1.1VS_PWROK
+8111_LDR
VIN
8111_VIN
+5VS
+3.3VS
1.05_ON
8111_AGND
PJP503
OPEN
PJP3
OPEN_4A
PJP7
CLOSE
MB 11/26
MB 11/24
Modify PR610,PC540 stuff.
F=Vout(Vin-Vout)/(4.4*Vin)=226KHz
Iout=3.2A
OCP=4.8A
I=0.94V
Ripple=4.7mV
F=226kHz
5/5
+1.1VS_VTT_ON
MB 11/27
Modify PR611 value, Add PR78,PQ12,PR79,PR80.
MB 12/01
Modify PR611 value.
PR611
180K-04
PR78
@10K-04
PR56
200K-04
PQ12
@FET-ME2N7002E
SKIP-PWM
PR80
@1K-04
PR79
@1M-1-04
MB 11/30
Modify PR80 value.
MB 12/01
Modify PR78,PR79,PR80,PQ12 not stuff.
ELITEGROUP
+1.1VS_VTT (OZ8138)
Size
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SCHEMATIC1
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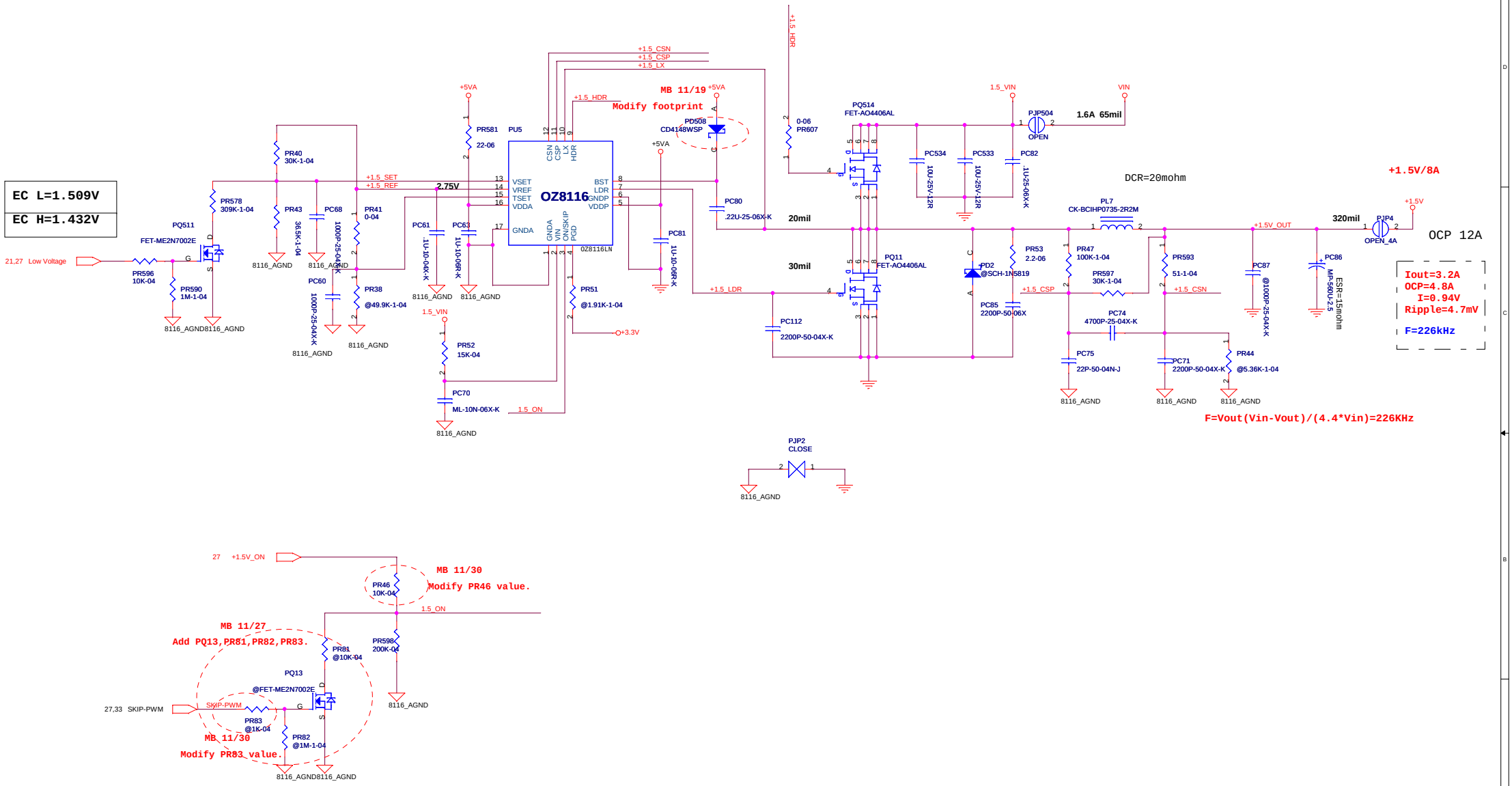

ELITEGROUP

+1.1VS_VTT (OZ8138)

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	ɔ	浪琨	狡琨
1. Page24 Modify R600 connect to "+3.3VS" net.	Milo 10/27	Vincent 12/04	Jack 12/04
2. Page20 Del D502,R533; Add U517.	Milo 10/27	Vincent 12/04	Jack 12/04
3. Page21 Modify C780,C791,C788,R820,R810,R809,R808,R835,U516,R835 not stuff.	Milo 10/27	Vincent 12/04	Jack 12/04
4. Page29 Modify PD504 Footprint.	Milo 11/03	Vincent 12/04	Jack 12/04
5. Page19 Modify Y2 Footprint.	Milo 11/09	Vincent 12/04	Jack 12/04
6. Page10 Modify CN12 Footprint.	Milo 11/12	Vincent 12/04	Jack 12/04
7. Page28 Modify H1 Footprint.	Milo 11/12	Vincent 12/04	Jack 12/04
8. Page22 Modify CN505 Footprint. Add R194,R195(@100K-04).	Milo 11/12	Vincent 12/04	Jack 12/04
9. Page26 Modify U6.5 connect to "+3.3V" net.	Milo 11/12	Vincent 12/04	Jack 12/04
10. Page22 Modify D509 not stuff.	Milo 11/18	Vincent 12/04	Jack 12/04
11. Page21 Modify CN2 Footprint.	Milo 11/19	Vincent 12/04	Jack 12/04
12. Page29,30,31,33,34 Modify PD503,PD505~PD509 Footprint.	Milo 11/19	Vincent 12/04	Jack 12/04
13. Page23 Del R506,R507. Add L504. Modify L502 Footprint.	Milo 11/20	Vincent 12/04	Jack 12/04
14. Page22 Add L505.	Milo 11/20	Vincent 12/04	Jack 12/04
15. Page21,25,28 Modify CN2,CN8,H10 footprint.	Milo 11/20	Vincent 12/04	Jack 12/04
16. Page29 Modify PR575,PR588 value. Modify PR580 stuff.	Milo 11/20	Vincent 12/04	Jack 12/04
17. Page29 Add PR629,PR630,PD510.	Milo 11/20	Vincent 12/04	Jack 12/04
18. Page30 Modify PC16 stuff.	Milo 11/20	Vincent 12/04	Jack 12/04
19. Page31 Modify PC528 not stuff.	Milo 11/20	Vincent 12/04	Jack 12/04
20. Page33 Modify PU6 value. Modify PQ513,PQ515,PQ517 footprint.	Milo 11/20	Vincent 12/04	Jack 12/04
21. Page33 Modify PC88 not stuff. Add PC561,PC562.	Milo 11/20	Vincent 12/04	Jack 12/04
22. Page23 Modify C503,R504 not stuff.	Milo 11/21	Vincent 12/04	Jack 12/04
23. Page29 Del PR629.	Milo 11/24	Vincent 12/04	Jack 12/04
24. Page33 Modify PR610,PC540 stuff.	Milo 11/24	Vincent 12/04	Jack 12/04
25. Page27 Del C45.	Milo 11/24	Vincent 12/04	Jack 12/04
26. Page11 Modify U508 stuff.	Milo 11/24	Vincent 12/04	Jack 12/04
27. Page23 Del C119,R172.	Milo 11/24	Vincent 12/04	Jack 12/04
28. Page23 Add R196,R197,R848,R849. Modify L502,L504 not stuff.	Milo 11/25	Vincent 12/04	Jack 12/04
29. Page22 Add R850,R851. Modify L505 not stuff.	Milo 11/25	Vincent 12/04	Jack 12/04
30. Page14 Move WLAN net from USB Port6 to Port 8.	Milo 11/25	Vincent 12/04	Jack 12/04
31. Page11 Modify R622,C578,R603,R79,R77,R81,R52,R50,R82 stuff. Modify R78 not stuff.	Milo 11/26	Vincent 12/04	Jack 12/04
32. Rename, CN505-->CN13, PC547--> PC114, PC548--> PC115, PD510-->PD3, PR618--> PR73. PR619-->PR74, PR620-->PR75, PR630-->PR76, L504-->L18, PC544-->PC116, LC1-->C132.	Milo 11/26	Vincent 12/04	Jack 12/04
33. Rename, C120-->C809, C121-->C810, C124-->C811, C125-->C812, D2-->D513, L10-->L528. L11-->L529, L12-->L530, PC111-->PC563, Q14-->Q536, Q16-->Q537, R150-->R852, R173-->R853. R174--> R854, R187-->R855, R188-->R856, R194-->R857, R195-->R858, U6--> U518.	Milo 11/26	Vincent 12/04	Jack 12/04
34. Page30 Modify PR2 stuff, PR511 not stuff.	Milo 11/27	Vincent 12/04	Jack 12/04
35. Page31 Modify PR20 not stuff, Add PR77(0-04).	Milo 11/27	Vincent 12/04	Jack 12/04
36. Page32 Modify PU7 value(OZ8033).	Milo 11/27	Vincent 12/04	Jack 12/04
37. Page33 Modify PR611 value(10k-04), Add PQ12,PR78,PR79,PR80.	Milo 11/27	Vincent 12/04	Jack 12/04
38. Page34 Add PQ13,PR81,PR82,PR83.	Milo 11/27	Vincent 12/04	Jack 12/04
39. Page29 U514.95 connect to "SKIP-PWM" net.	Milo 11/27	Vincent 12/04	Jack 12/04
40. Page21 Modify CN2 footprint.	Milo 11/27	Vincent 12/04	Jack 12/04
41. Page33,34 Modify PR80,PR83,PR46 value.	Milo 11/30	Vincent 12/04	Jack 12/04
42. Page12 Modify R163 Footprint, Add C119.	Milo 11/30	Vincent 12/04	Jack 12/04
43. Page23 Modify CN18 Footprint.	Milo 11/30	Vincent 12/04	Jack 12/04
44. Page26 Modify C737,C719,C655 value.	Milo 11/30	Vincent 12/04	Jack 12/04
45. Page33 Modify PR78,PR79,PR80,PQ12 not stuff. Modify PR611 value.	Milo 12/01	Vincent 12/04	Jack 12/04
46. Page14 Modify R120 value.	Milo 12/01	Vincent 12/04	Jack 12/04
47. Page21 Del L15,L16,L17. Add R1,R2,R3.	Milo 12/01	Vincent 12/04	Jack 12/04
48. Page21 Add R530,R533.	Milo 12/01	Vincent 12/04	Jack 12/04
49. Page13 Add C133,C134,C135.	Milo 12/02	Vincent 12/04	Jack 12/04
50. Page28 Add C803.	Milo 12/02	Vincent 12/04	Jack 12/04
51. Page23 Add C717,C718,C136.	Milo 12/02	Vincent 12/04	Jack 12/04
52. Page12 Modify C119 stuff.	Milo 12/02	Vincent 12/04	Jack 12/04
53. Page22 Modify R780 Footprint.	Milo 12/02	Vincent 12/04	Jack 12/04
54. Page30 Modify PQ1,PQ2,PQ3,PQ6 Footprint.	Milo 12/02	Vincent 12/04	Jack 12/04
55. Page22,28 Rename, C708--> C137, R119-->R859.	Milo 12/04	Vincent 12/04	Jack 12/04

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ECS Elitegroup Computer Systems

Title: Change Notes

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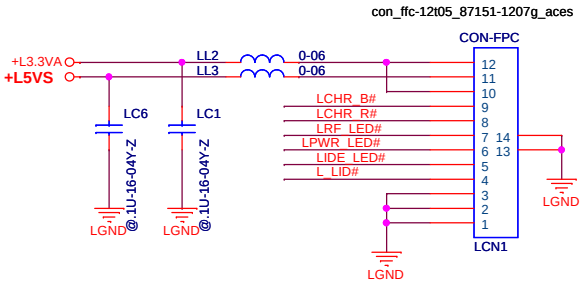
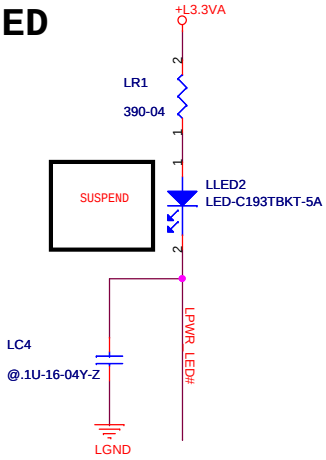
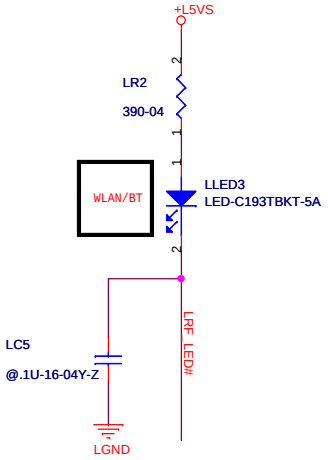
C42II LED BD Ver:C 8L
P/N: 35G4C4230-C0
Made in China.

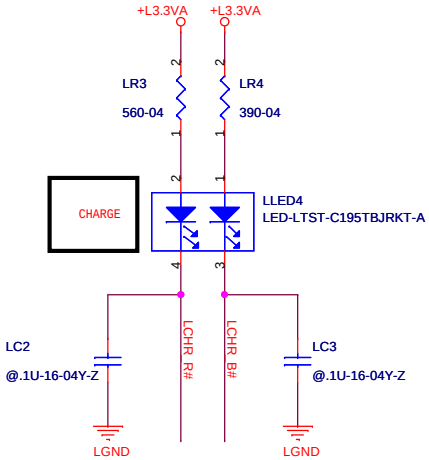
PCB2
PCB
35G4C4230-C0

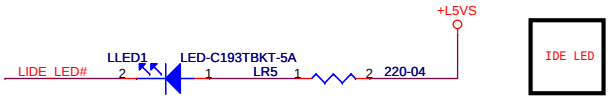
LED



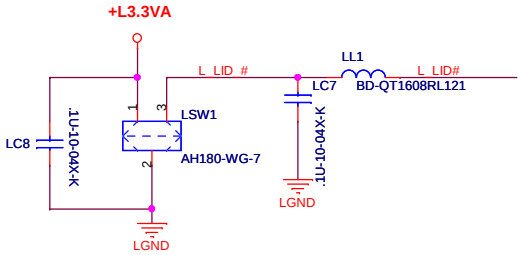




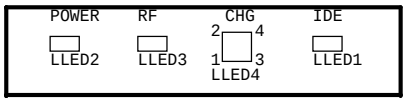




LID



Color / If	Sus/Wireless	Charger	
	Blue	Blue	Red
5mA	390_1	390_1	560_1
20mA	90.9	100	140



LH1
C197D87
LGND

LH2
C197D87
LGND

ECS COMPUTER CORP.

Title: LED/LID BD

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