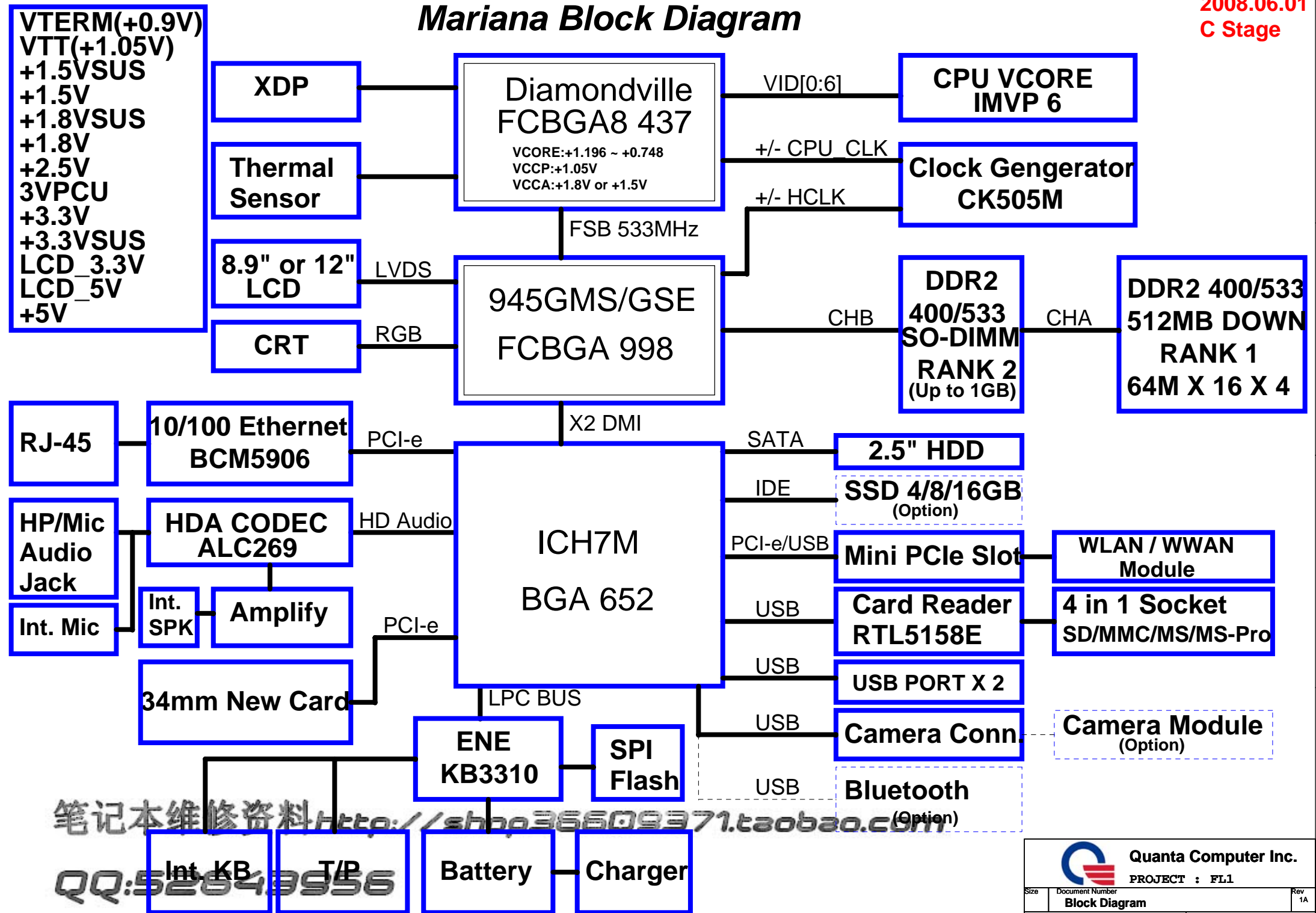


Mariana Block Diagram




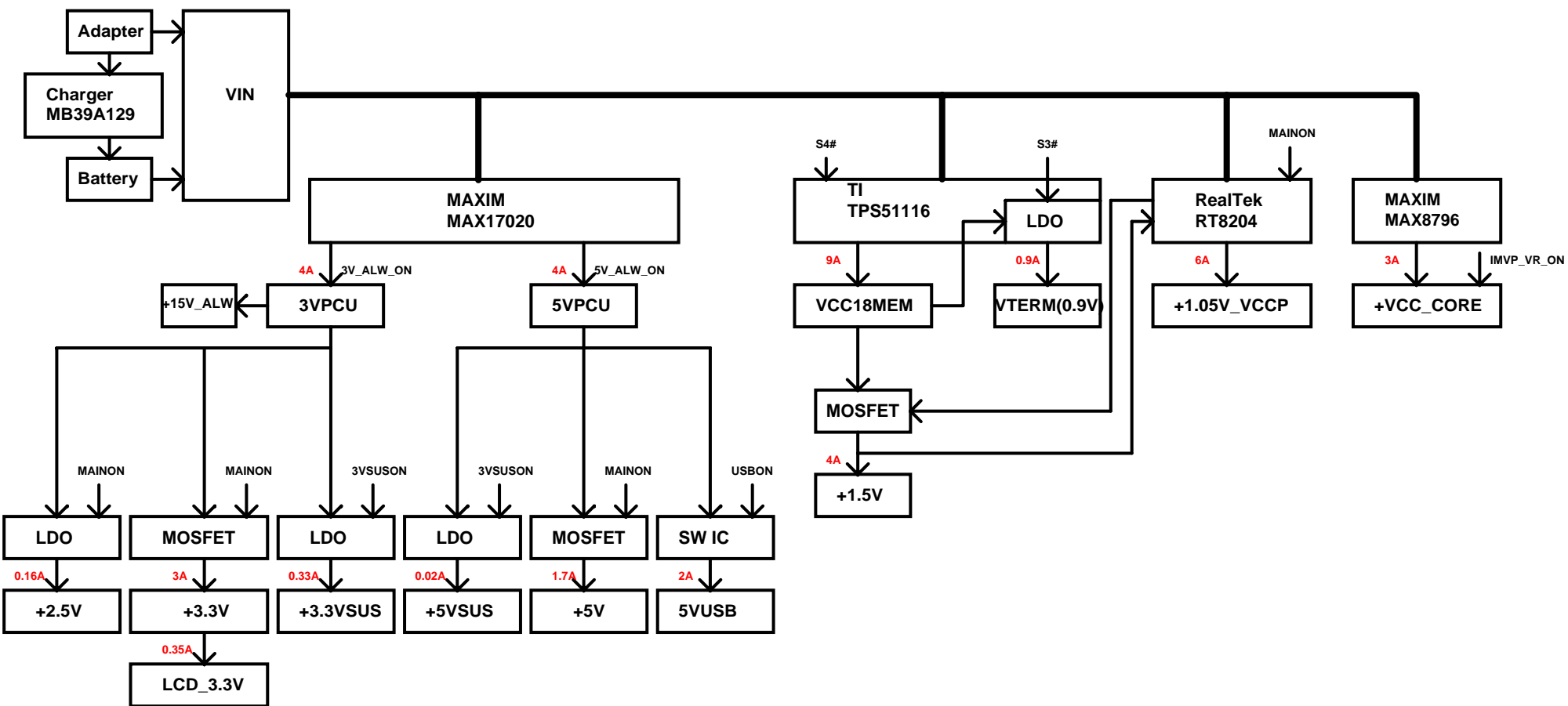
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[illegible][illegible][illegible]

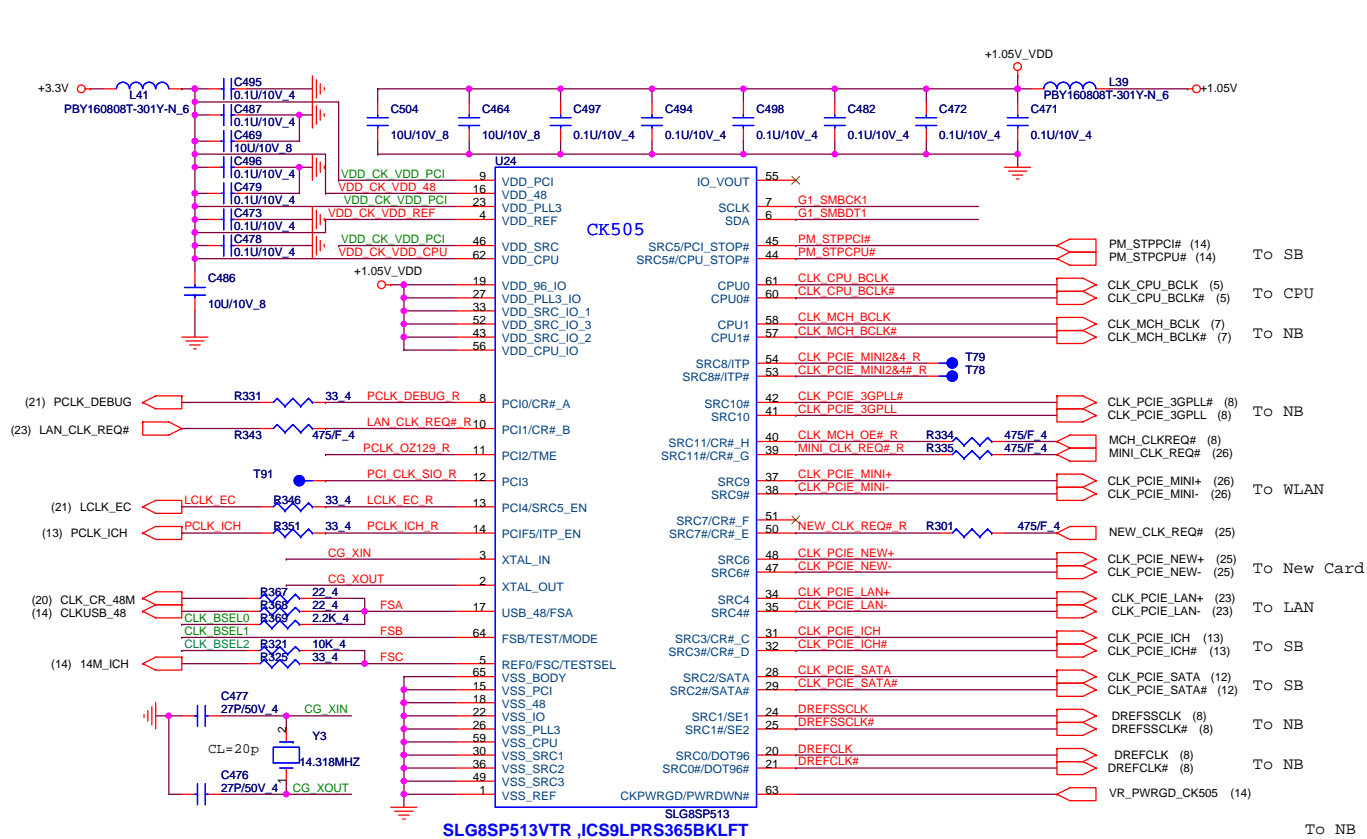
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QQ:52643956

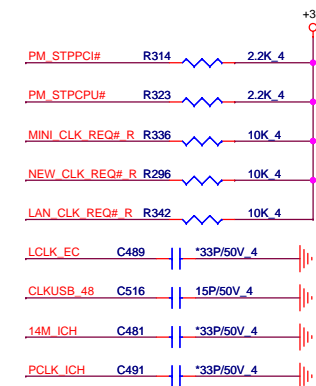
		Quanta Computer Inc. PROJECT : FL1	
Size	Document Number	Rev	
	POWER MANAGER	1A	
Date:	Saturday, June 07, 2008	Sheet	2 of 34



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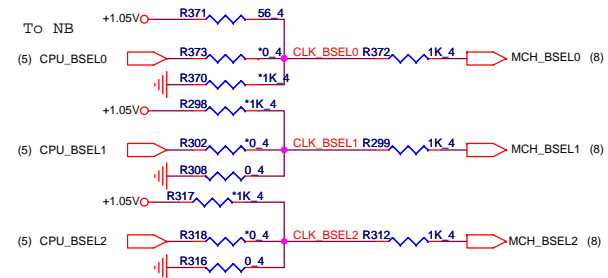
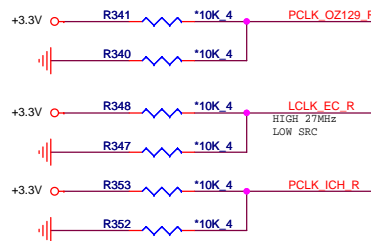


- (21) PCLK_DEBUG
- (13) LAN_CLK_REQ#
- (21) LCLK_EC
- (13) PCLK_ICH
- (20) CLK_CR_48M
- (14) CLKUSB_48
- (14) 14M_ICH

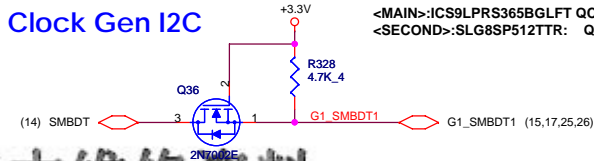


SEL2 SEL1 SEL0			Frequency select		
FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	Reserved		

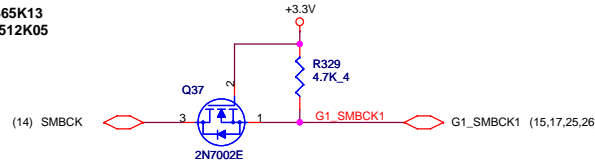
	ICS9LPRS365 (ALPRS365K13)	SLG8SP513VTR (AL000875K06)	PULL HIGH	PULL DOWN
Pin 11	PCI2/TME	PCI2/TME	NO OVERCLOCKING (default)	NORMAL RUN
Pin 12	PCI-3/SRC5_EN	PCI-3/SRC5_EN	PIN37/38 IS SRC5	PIN37/38 IS SRC5
Pin 13	PCI-4/27M_SEL	PCI-4/27M_SEL	PIN 17/18 IS 27MHz	PIN 17/18 IS SRC/DOT
Pin 14	PCIF-5/ITP_EN	PCIF-5/ITP_EN	PIN 46/47 IS CPUITP	PIN 46/47 IS SRC8 (default)



Clock Gen I2C



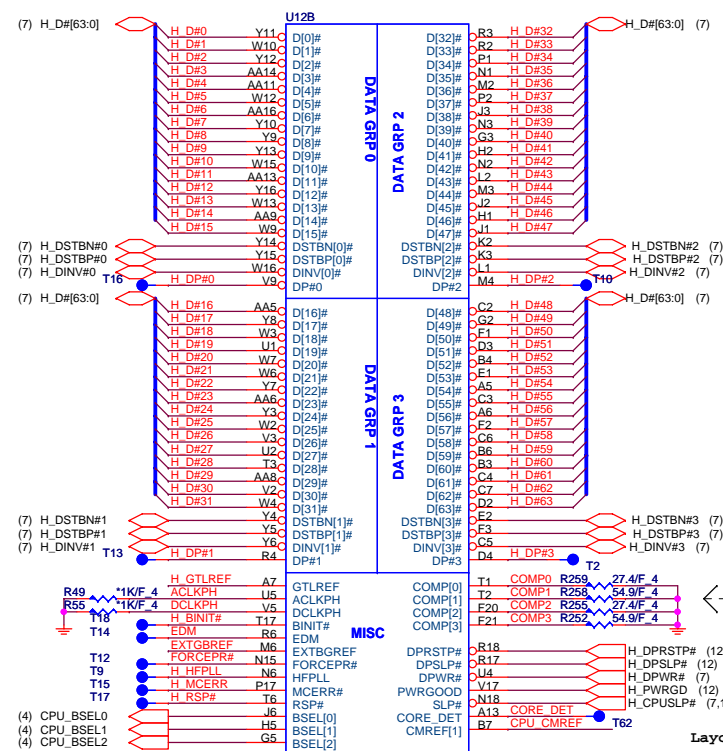
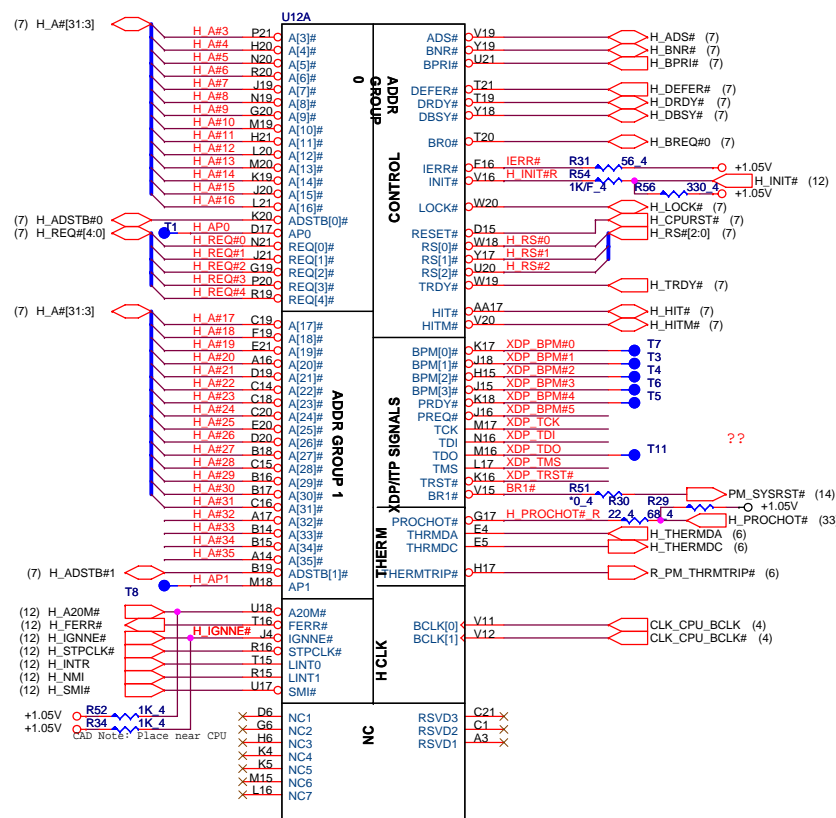
<MAIN>: ICS9LPRS365BGLFT QCI: ALPRS365K13
<SECOND>: SLG8SP512TTR: QCI: AL8SP512K05



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PM_BUS_Group1

1. Clock Gen
2. Memory Rom
- Mini Card
- New Card
5. CPU Thermal Monitor



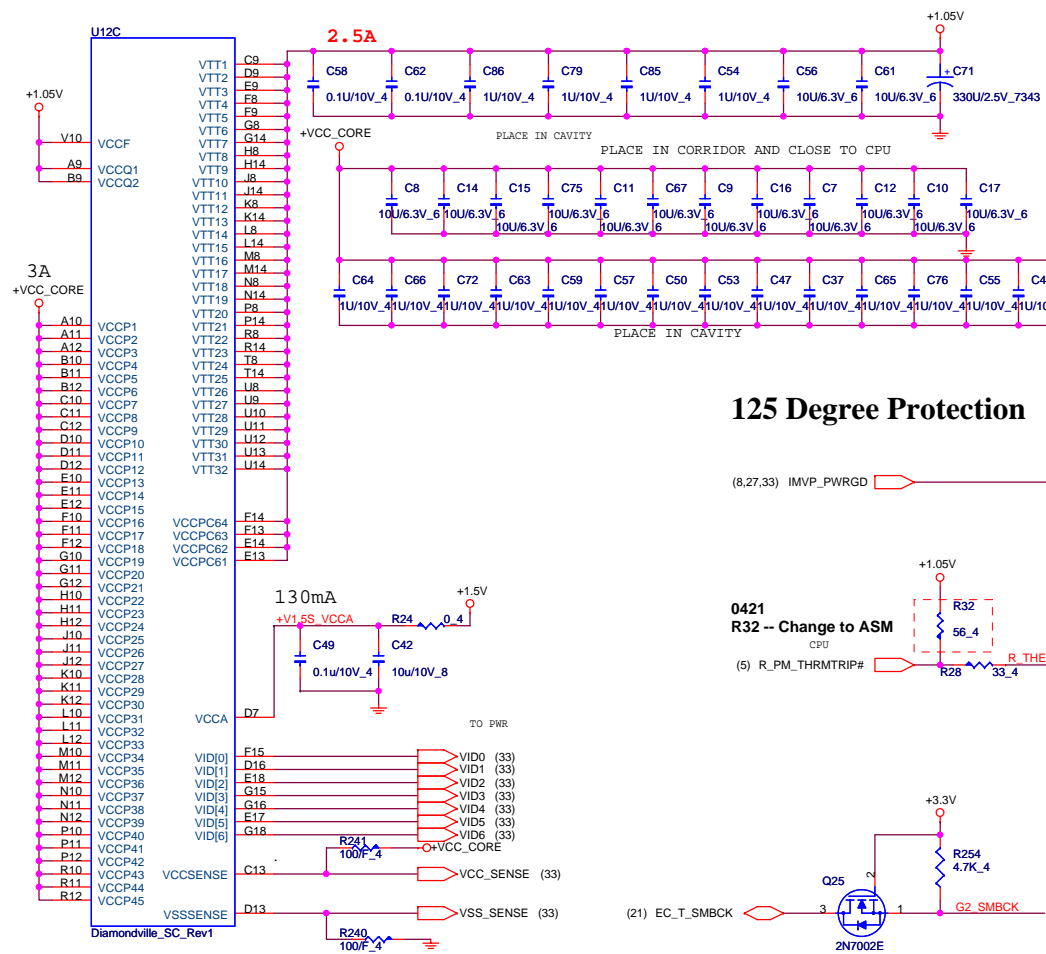
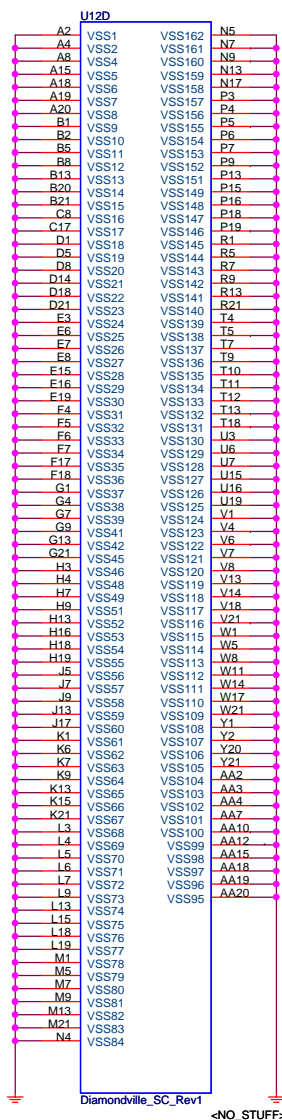
Layout note:
Comp0,2 connect with Zo=27.4ohm, make trace length shorter than 0.5"
Comp1,3 connect with Zo=55ohm, make trace length shorter than 0.5"

R53 NO-ASM --0424

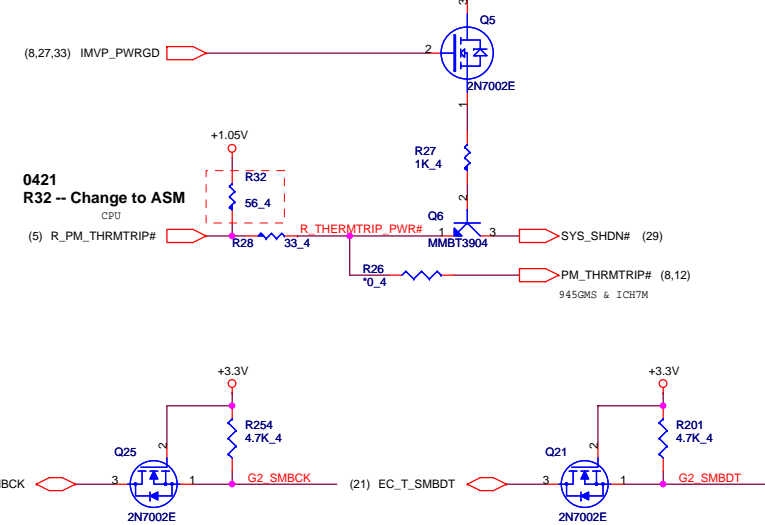
For defensive design reservation only in this initial release

Layout note:
Zo=55ohm, 0.5" max for GTLREF
Layout note:
Zo=55ohm, 0.5" max for EXTGBREF
Layout note:
Zo=55ohm, 0.5" max for CPU_CMREF

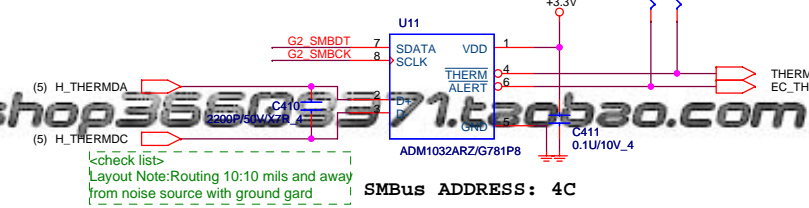
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QQ:52643956



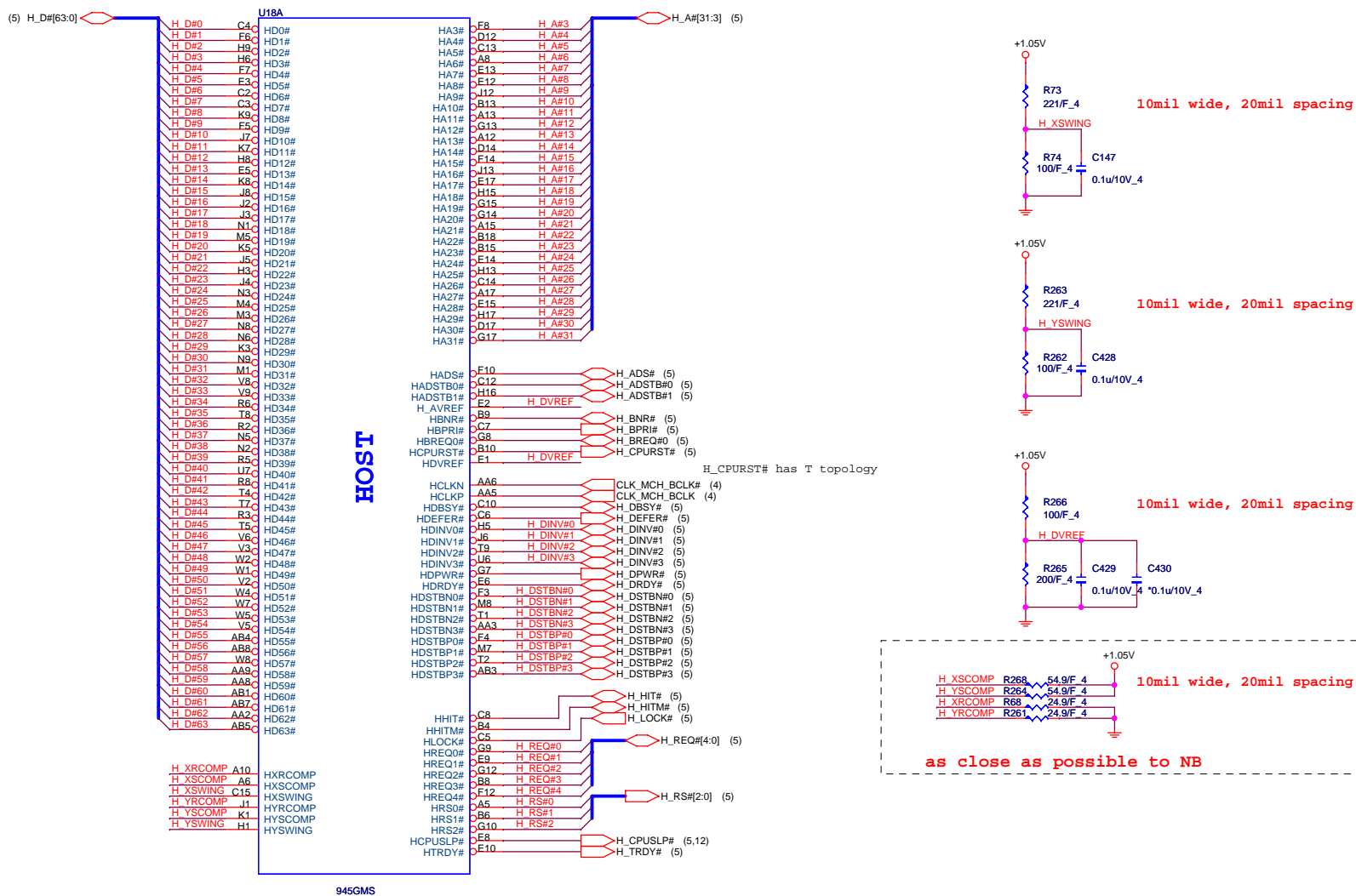
125 Degree Protection



CPU Thermal monitor



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U18E

AH33	VSS1	J16
Y33	VSS2	AL15
V33	VSS3	AG15
R33	VSS4	W15
G33	VSS5	R15
AK32	VSS6	F15
AG32	VSS7	D15
AE32	VSS8	AM14
AC32	VSS9	AH14
AA32	VSS10	VSS120
U32	VSS11	H14
H32	VSS12	B14
E32	VSS13	F13
C32	VSS14	D13
AM31	VSS15	AL12
AJ31	VSS16	AG12
AA31	VSS17	H12
U31	VSS18	B12
T31	VSS19	AN11
R31	VSS20	AJ11
P31	VSS21	AE11
N31	VSS22	AM9
M31	VSS23	AJ9
J31	VSS24	VSS133
F31	VSS25	AB9
AL30	VSS26	VSS135
AG30	VSS27	R9
AE30	VSS28	VSS136
AC30	VSS29	VSS137
AA30	VSS30	VSS138
Y30	VSS31	VSS139
V30	VSS32	VSS140
U30	VSS33	VSS141
G30	VSS34	AL8
E30	VSS35	AG8
B30	VSS36	AE8
AA29	VSS37	U8
U29	VSS38	AA7
R29	VSS39	V7
P29	VSS40	R7
N29	VSS41	NZ
M29	VSS42	HZ
H29	VSS43	E7
E29	VSS44	B7
B29	VSS45	AL6
AK28	VSS46	AG6
AH28	VSS47	AE6
AE28	VSS48	AB6
AA28	VSS49	VW6
U28	VSS50	T6
T28	VSS51	M6
J28	VSS52	K6
D28	VSS53	AN5
AM27	VSS54	AJ5
AE27	VSS55	B5
AB27	VSS56	AA4
AA27	VSS57	V4
Y27	VSS58	R4
U27	VSS59	N4
T27	VSS60	VSS167
R27	VSS61	VSS168
P27	VSS62	VSS169
N27	VSS63	E4
M27	VSS64	VSS170
G27	VSS65	VSS171
E27	VSS66	VSS172
C27	VSS67	VSS173
B27	VSS68	VSS174
AL26	VSS69	B3
AH26	VSS70	AK2
W26	VSS71	AH2
U26	VSS72	AF2
AN25	VSS73	AB2
AK25	VSS74	M2
AG25	VSS75	K2
AE25	VSS76	H2
J25	VSS77	F2
G25	VSS78	V1
A25	VSS79	R1
H23	VSS80	
F23	VSS81	
B23	VSS82	
AM22	VSS83	
AJ22	VSS84	
AE22	VSS85	
G22	VSS86	
F22	VSS87	
J21	VSS88	
H21	VSS89	
F21	VSS90	
AM20	VSS91	
AK20	VSS92	
AH20	VSS93	
AE20	VSS94	
D20	VSS95	
W19	VSS96	
R19	VSS97	
AM18	VSS98	
AH18	VSS99	
AE18	VSS100	
U18E	VSS101	
U18E	VSS102	
U18E	VSS103	
U18E	VSS104	
U18E	VSS105	
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U18E	VSS180	
U18E	VSS181	
U18E	VSS182	
U18E	VSS183	
U18E	VSS184	
U18E	VSS185	

VSS

U18G

W33	NC1	NC61	W30
AM33	NC2	NC62	Y6
AL33	NC3	NC63	AL1
C33	NC4	NC64	Y5
B33	NC5	NC65	Y10
AN32	NC6	NC66	W10
A32	NC7	NC67	W25
AN31	NC8	NC68	V24
W28	NC9	NC69	U24
V27	NC10	NC70	V10
W29	NC11	NC71	U10
J24	NC12	NC72	K18
H24	NC13		
W32	NC14		
G24	NC15		
F24	NC16		
E24	NC17		
D24	NC18		
K33	NC19		
A31	NC20		
E21	NC21		
C23	NC22		
AN19	NC23		
AM19	NC24		
AL19	NC25		
AK19	NC26		
AJ19	NC27		
AH19	NC28		
AN3	NC29		
Y3	NC30		
H19	NC31		
H19	NC32		
G19	NC33		
F19	NC34		
E19	NC35		
D19	NC36		
C19	NC37		
B19	NC38		
A19	NC39		
Y8	NC40		
G16	NC41		
F16	NC42		
E16	NC43		
D16	NC44		
C16	NC45		
B16	NC46		
AN2	NC47		
A16	NC48		
Y7	NC49		
AM4	NC50		
AF4	NC51		
AD4	NC52		
AL4	NC53		
AK4	NC54		
W31	NC55		
AJ4	NC56		
AH4	NC57		
AG4	NC58		
AE4	NC59		
AM1	NC60		

NC

MCH_RSVD26	Y25
MCH_RSVD27	Y24
MCH_RSVD28	AB22
MCH_RSVD29	AB21
MCH_RSVD30	AB19
MCH_RSVD31	AB16
MCH_RSVD32	AB14
MCH_RSVD33	AA12
MCH_RSVD34	W24
MCH_RSVD35	AA24
MCH_RSVD36	AB24
MCH_RSVD37	AB20
MCH_RSVD38	AB18
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MCH_RSVD42	AB17

945GMS

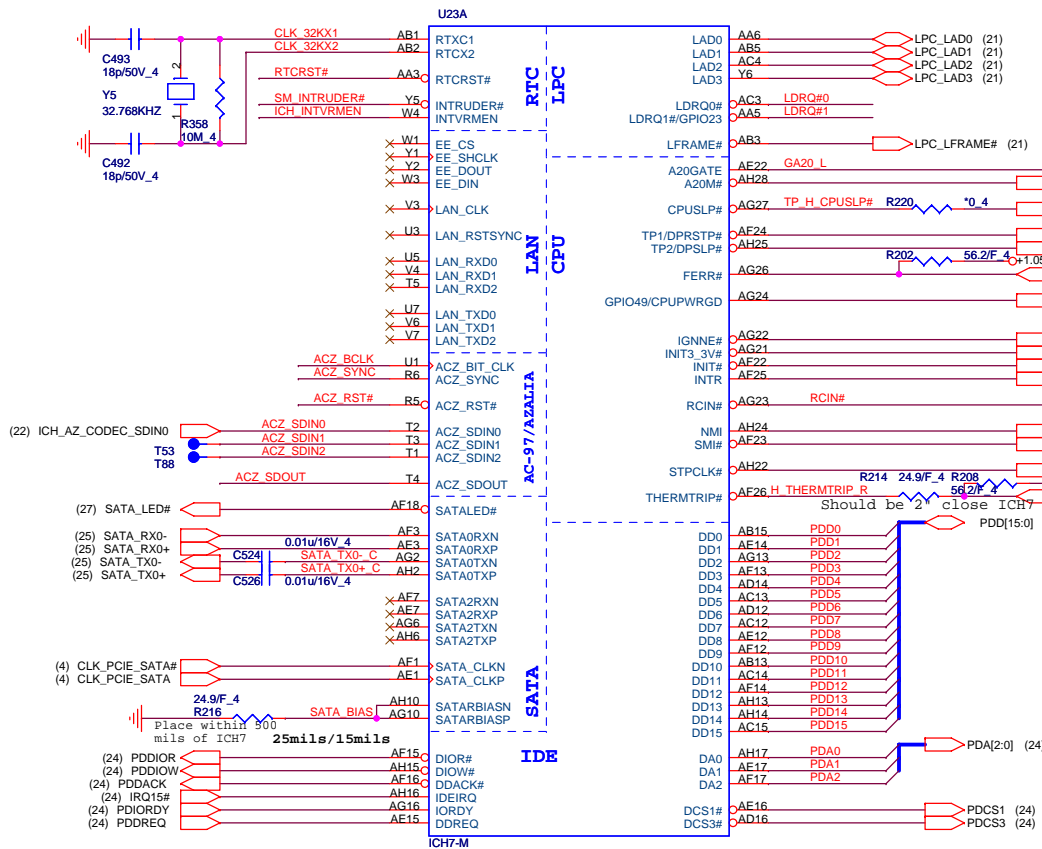
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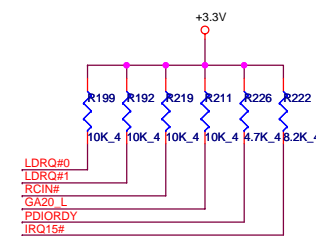
Quanta Computer Inc.

PROJECT : FL1

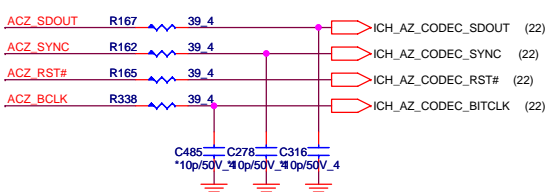
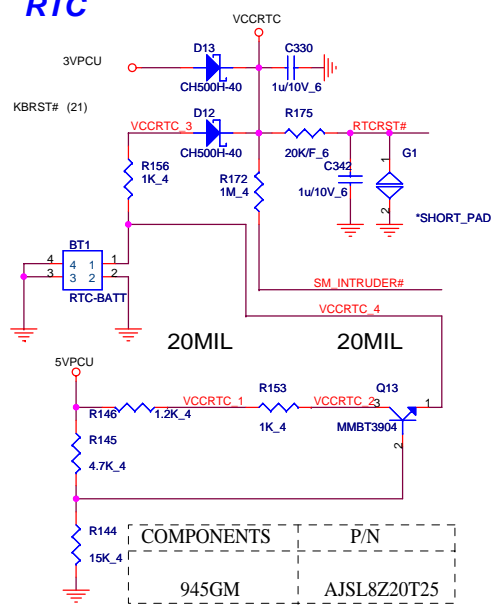
Size	Document Number	Rev
	945GMS_GND	1A
Date:	Saturday, June 07, 2008	Sheet 11 of 34



Pull-UP



RTC



	INTVRMEN
Enable (default)	1
Disable	0

ICH7 internal VR enable strap

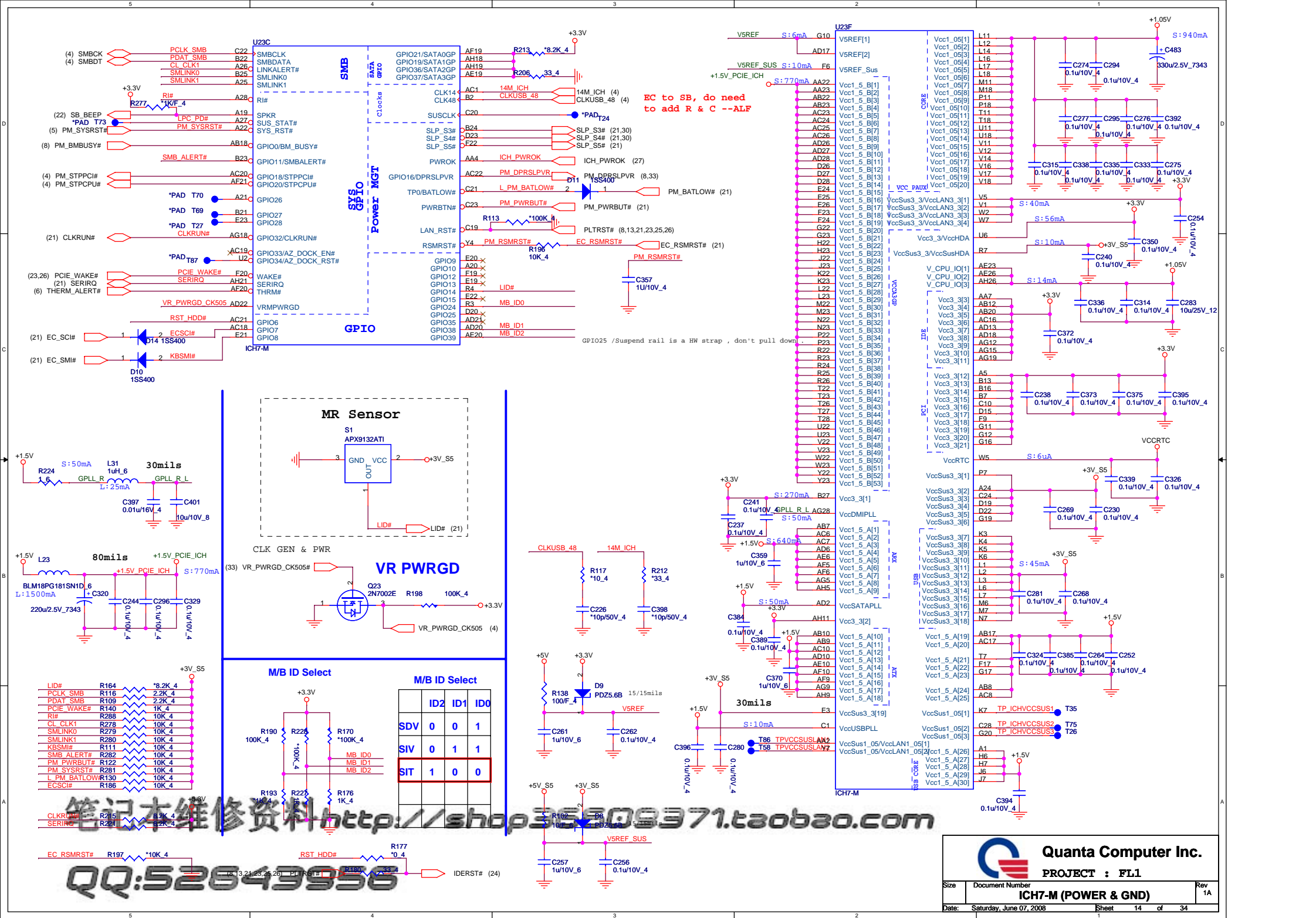


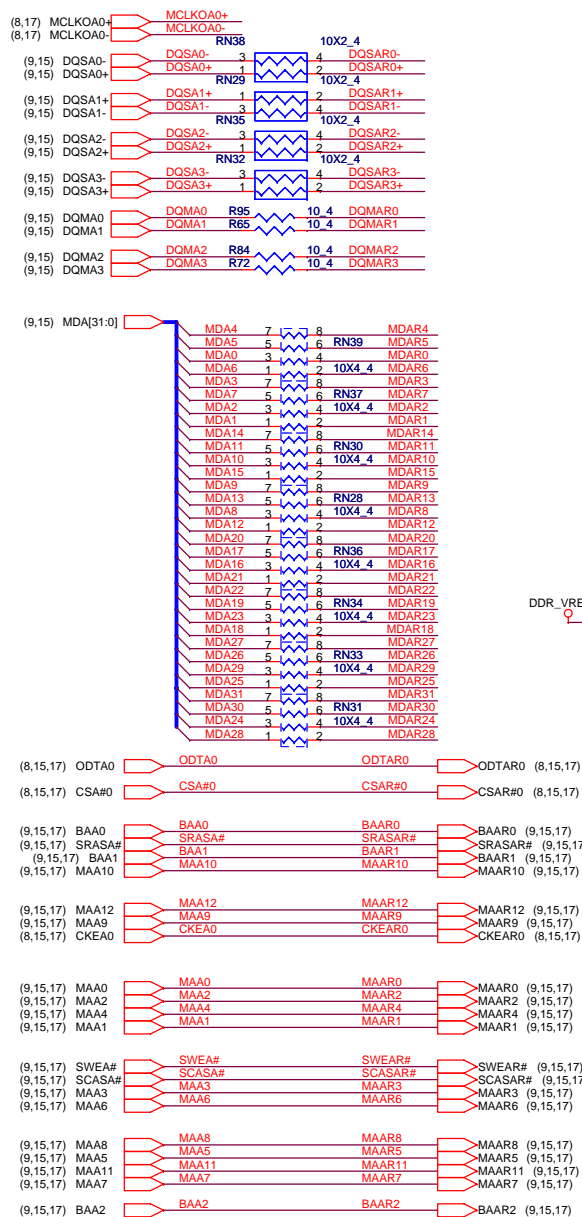
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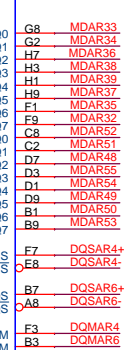
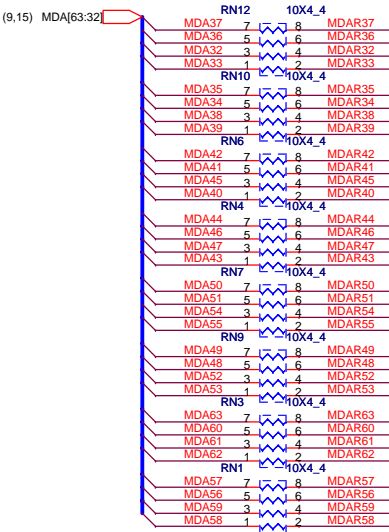
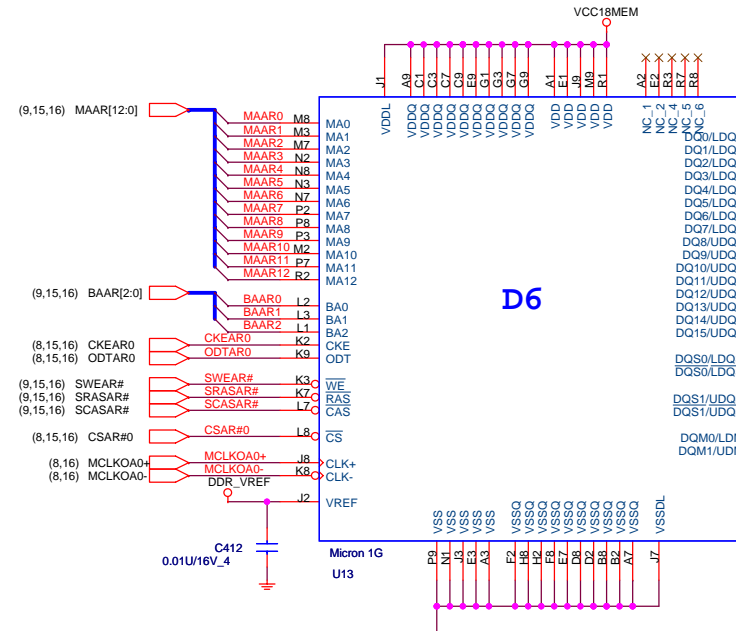
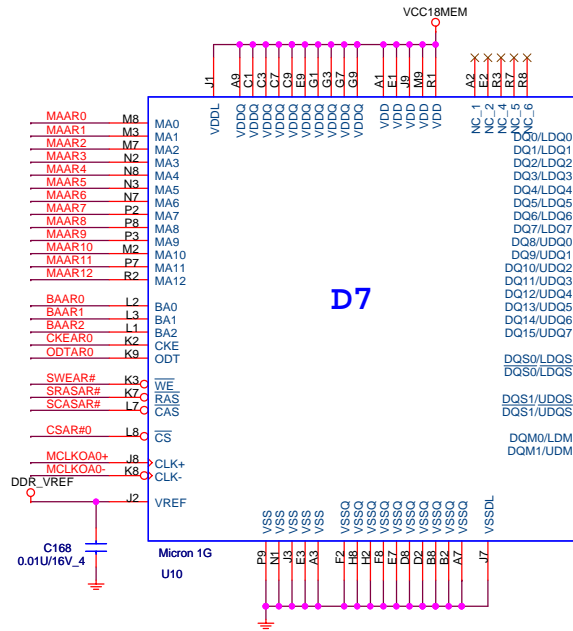
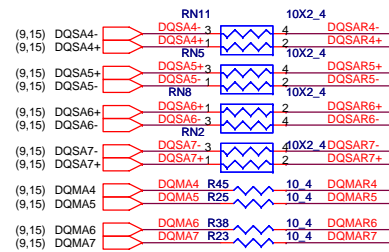
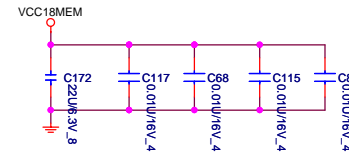
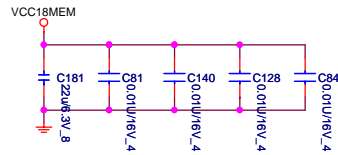
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PROJECT : FL1

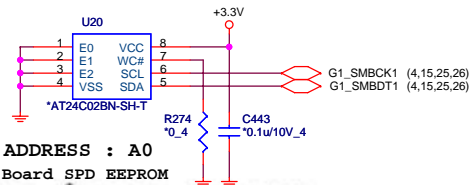
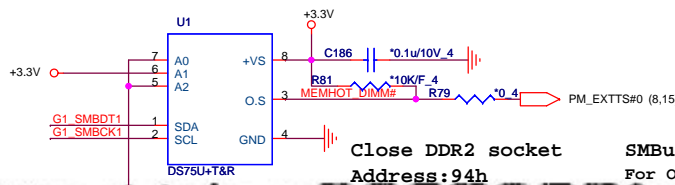
Size	Document Number	Rev
	ICH7-M (CPU, SATA, IDE, LPC)	1A
Date:	Saturday, June 07, 2008	Sheet 12 of 34







Reserve for On-Board RAM



Close DDR2 socket
Address: 94h

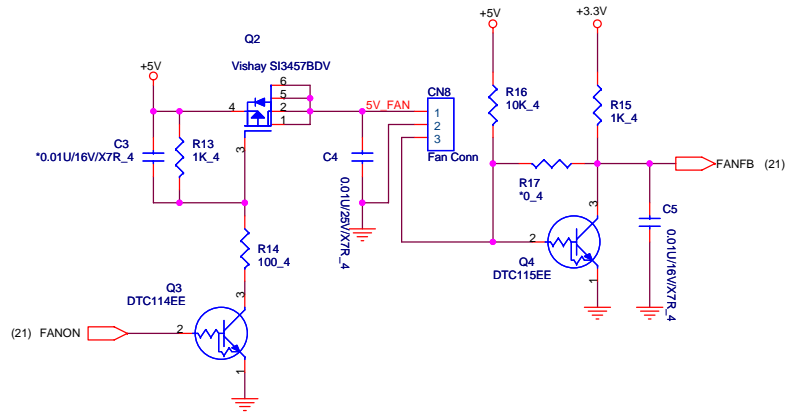
SMBus ADDRESS : A0
For On Board SPD EEPROM

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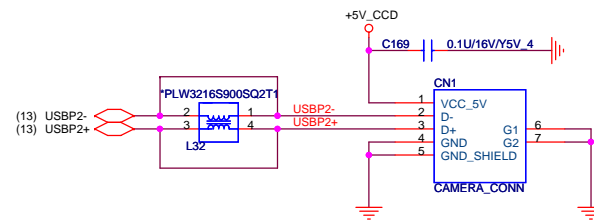
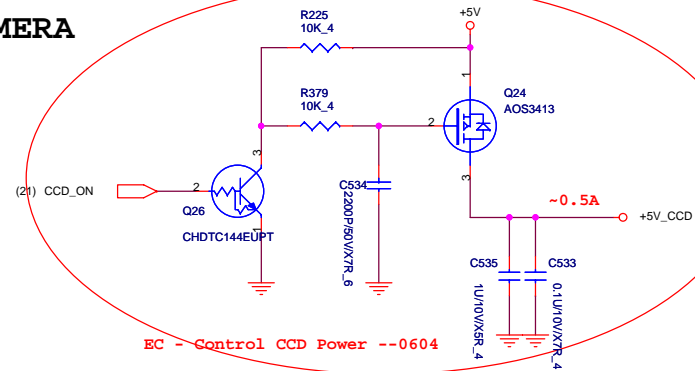
Quanta Computer Inc.
PROJECT : FL1

Size	Document Number	Rev
	DDR2_MODULE_RANK2	1A
Date:	Saturday, June 07, 2008	Sheet 17 of 34

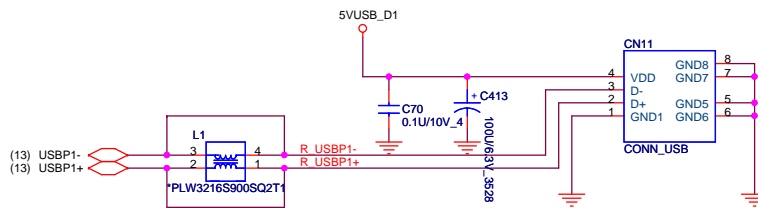
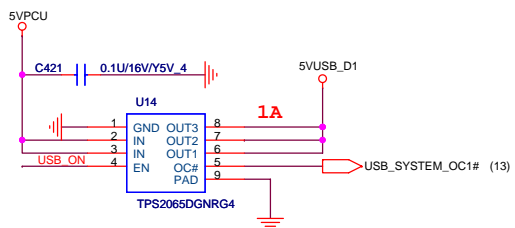
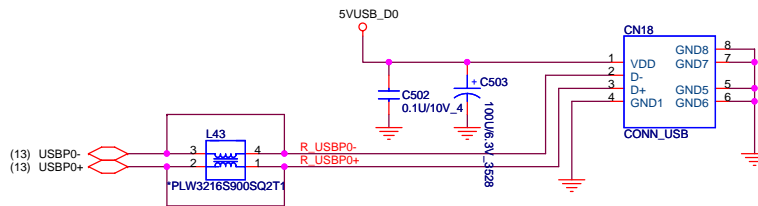
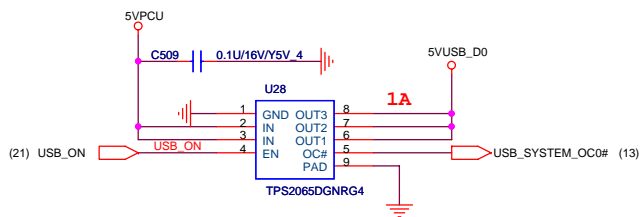
FAN



CAMERA



USB X 2 PORTS



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PROJECT : FL1

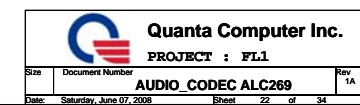
USB & FAN & CAMERA

Rev
1A

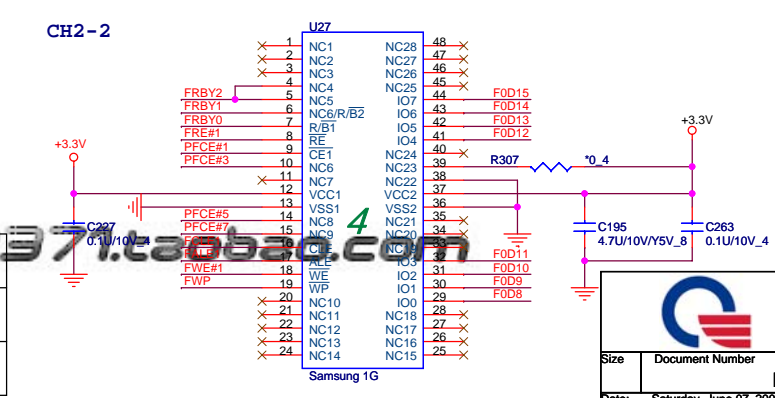
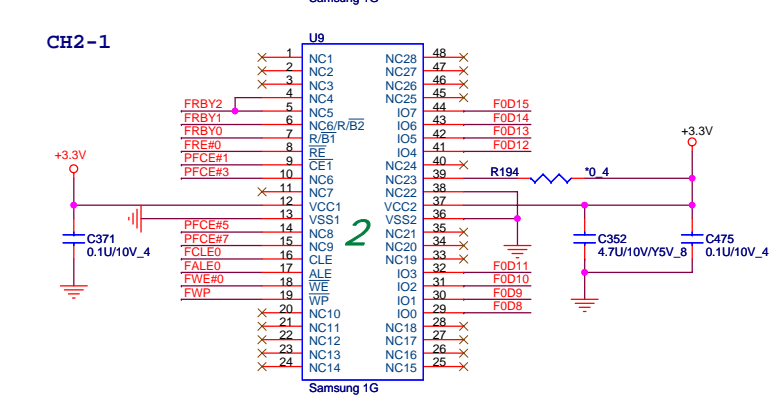
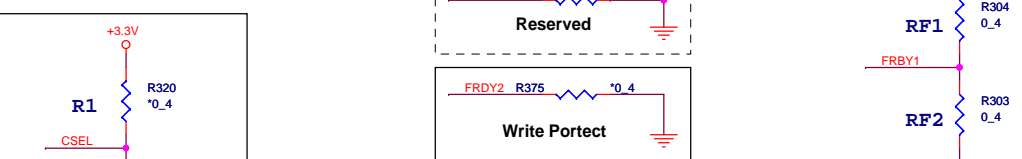
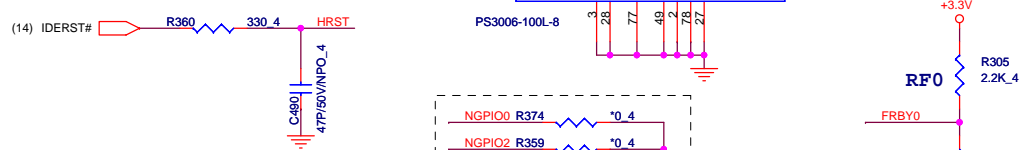
Date: Saturday, June 07, 2008

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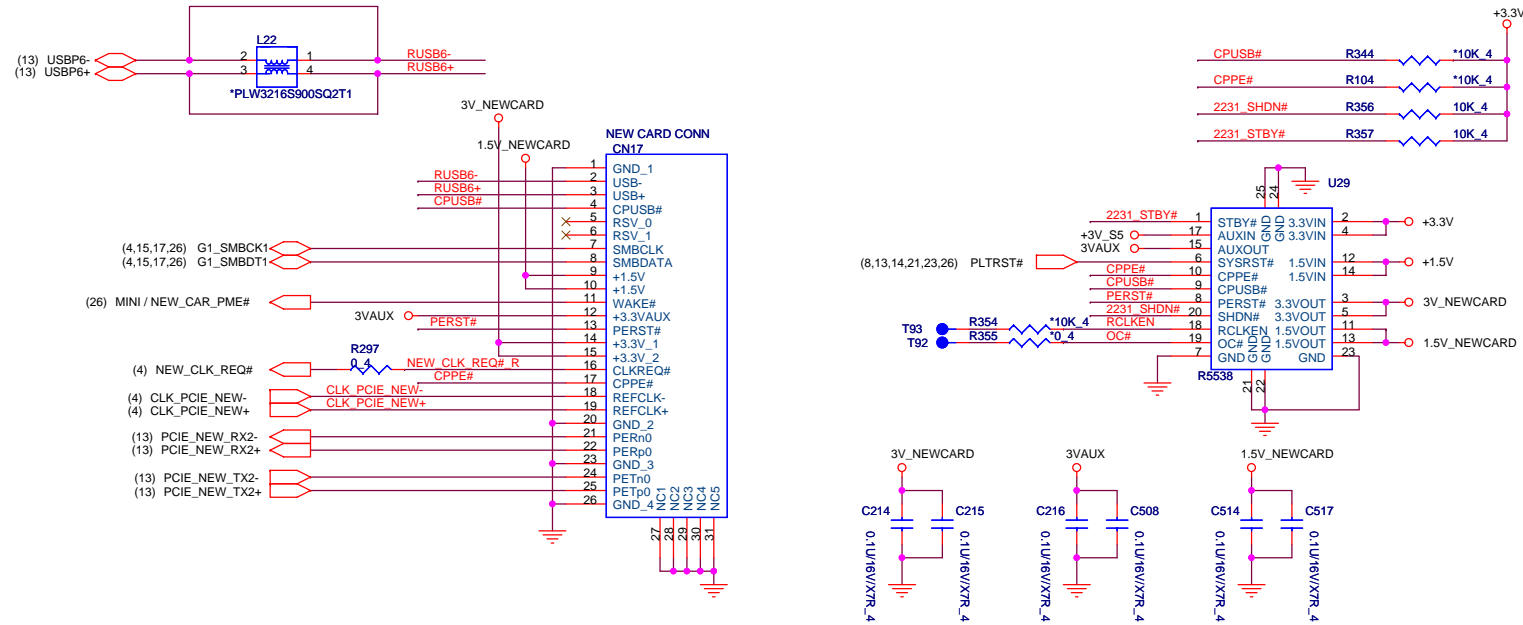
Rev
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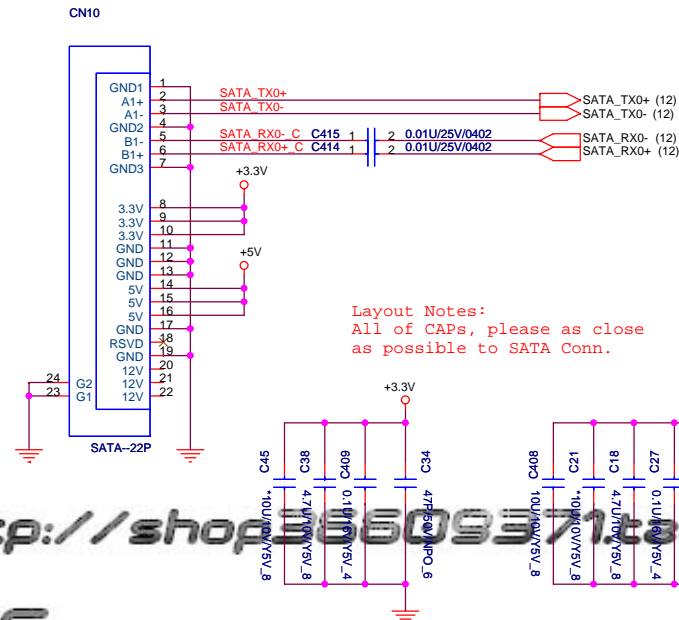




NEW CARD



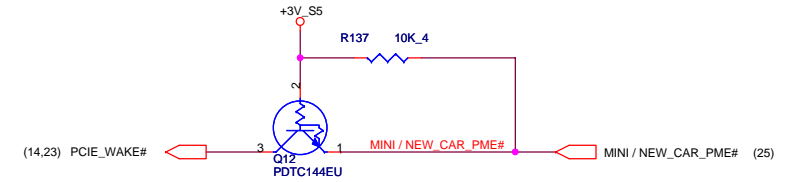
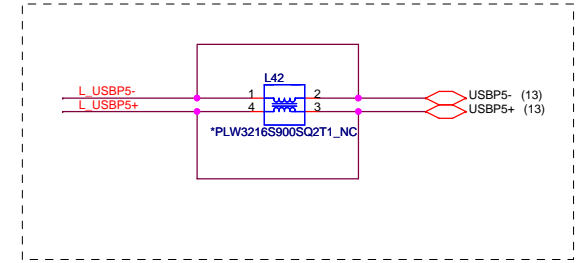
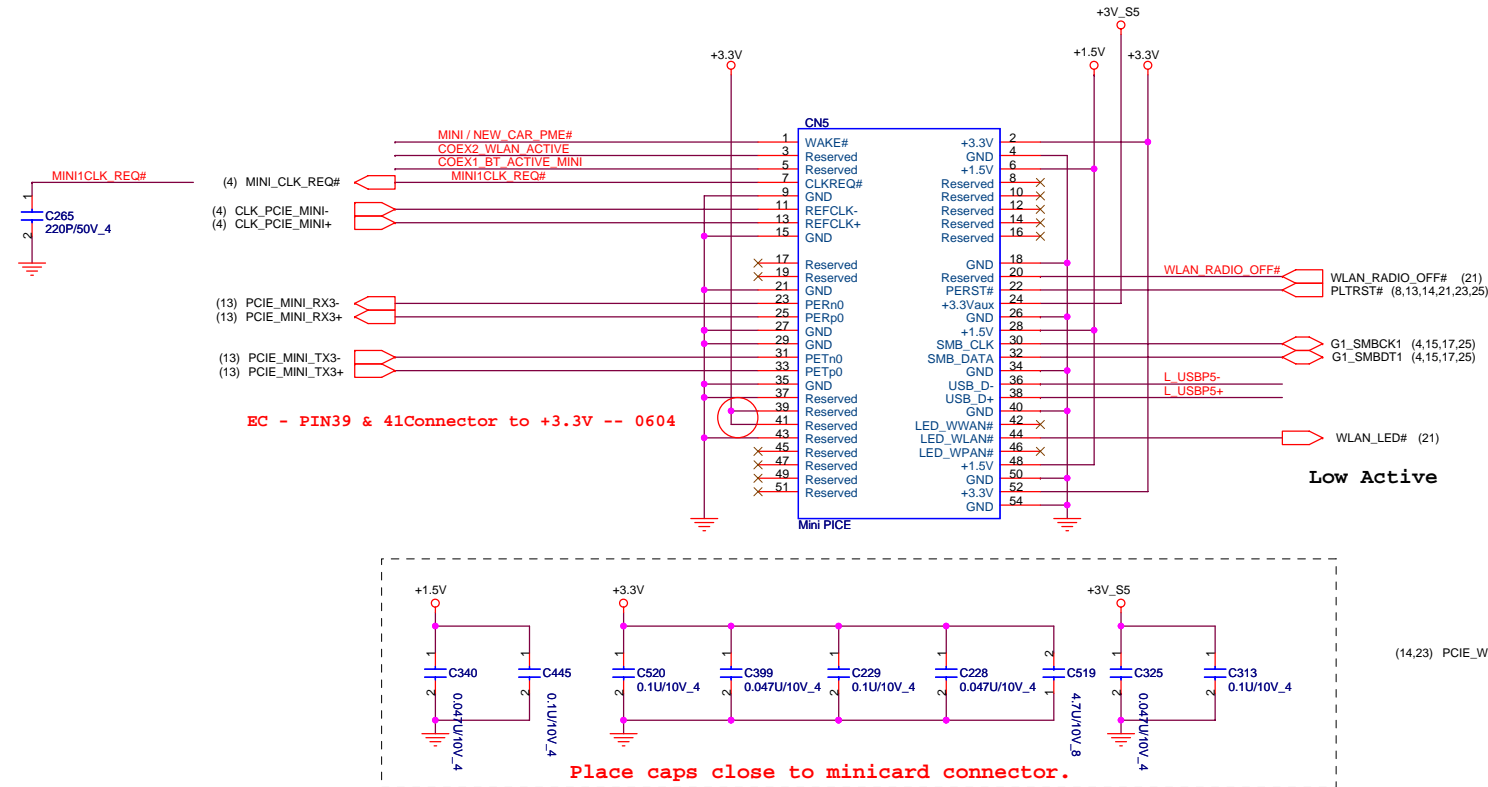
SATA CONNECTOR



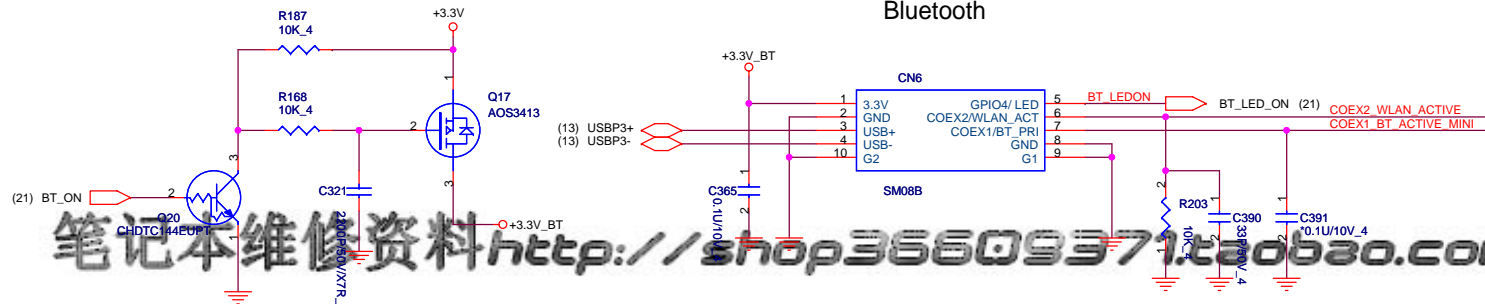
Layout Notes:
All of CAPs, please as close
as possible to SATA Conn.

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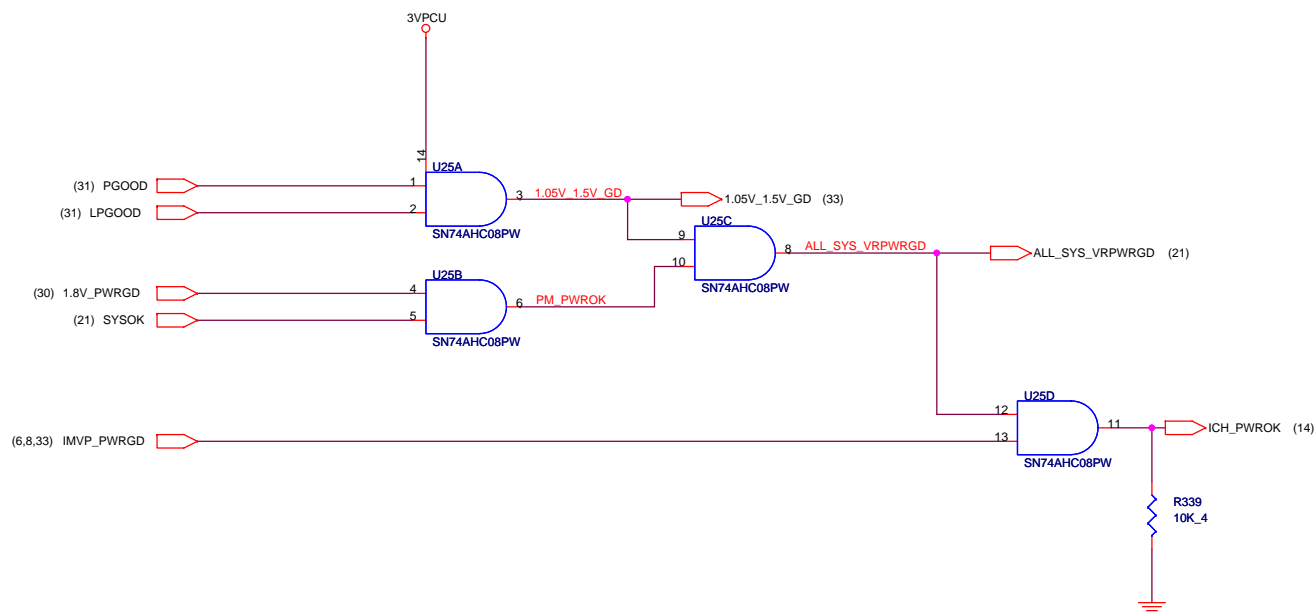
MiniCard WLAN connector



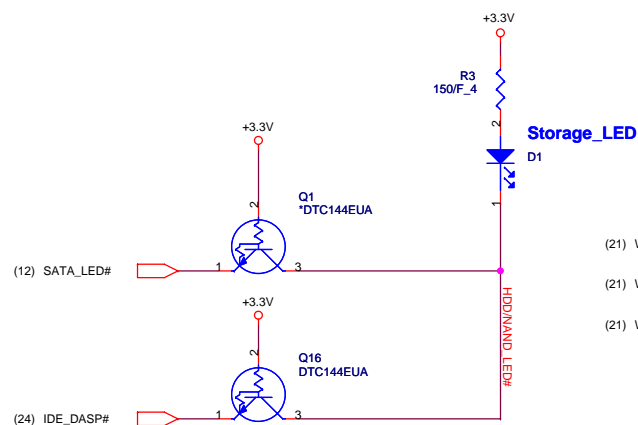
Bluetooth



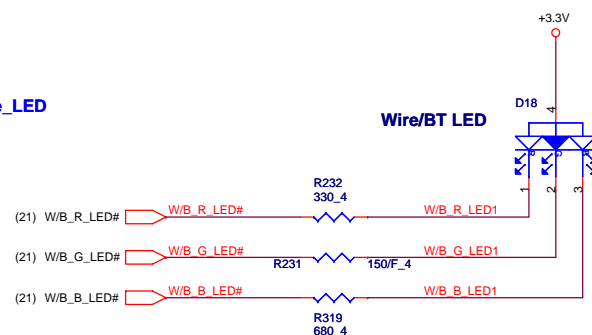
笔记本维修资料 <http://shop36609371.taobao.com>
QQ:52643956



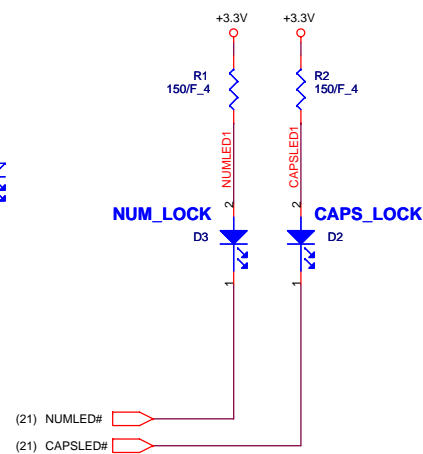
SATA/PATA LED



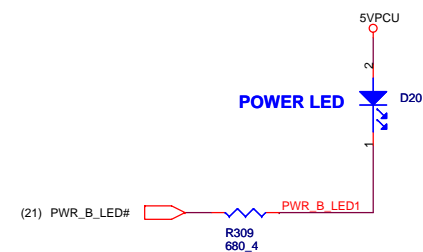
WLAN & BlueTooth LED



Number & CAPS Lock LED



Power Button LED

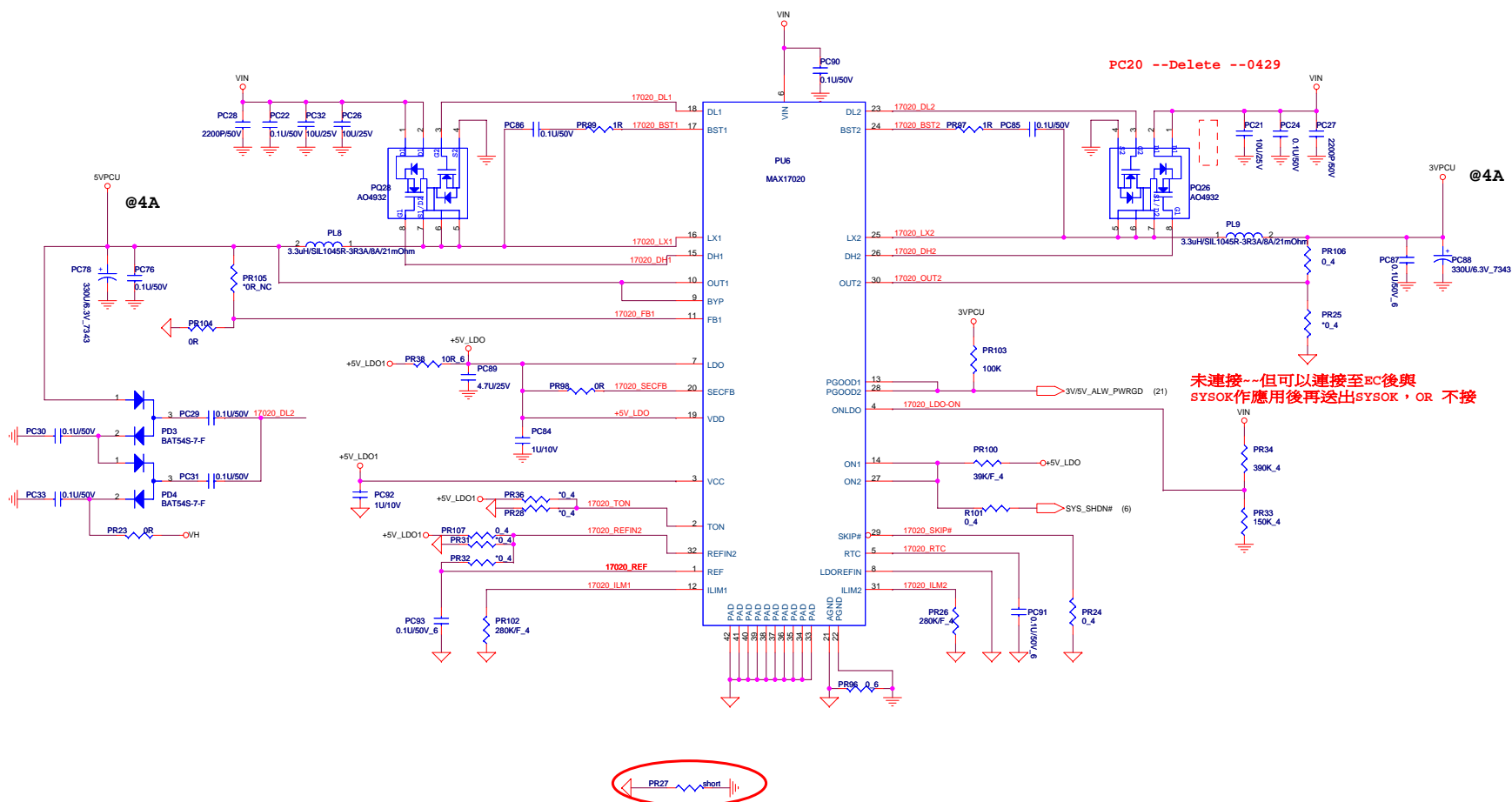


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Q1 & R5	Q16 & R6
SATA	ASM
PATA	No-ASM

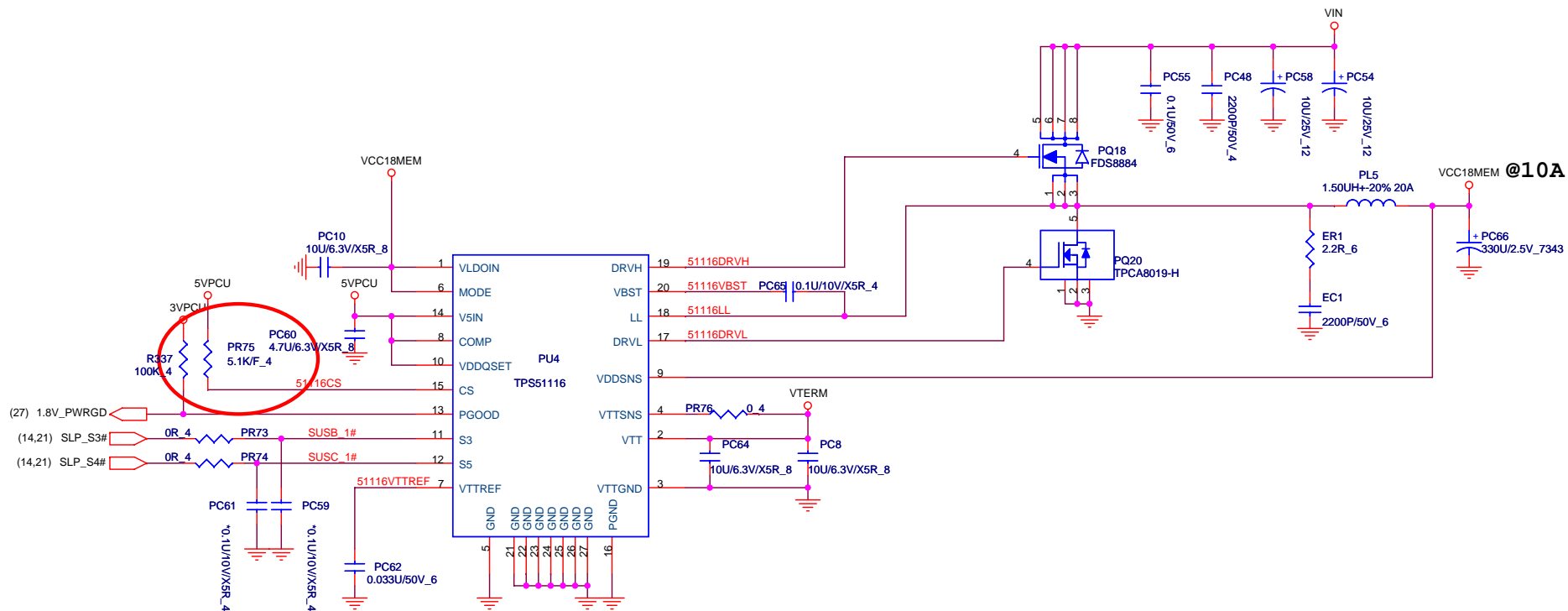
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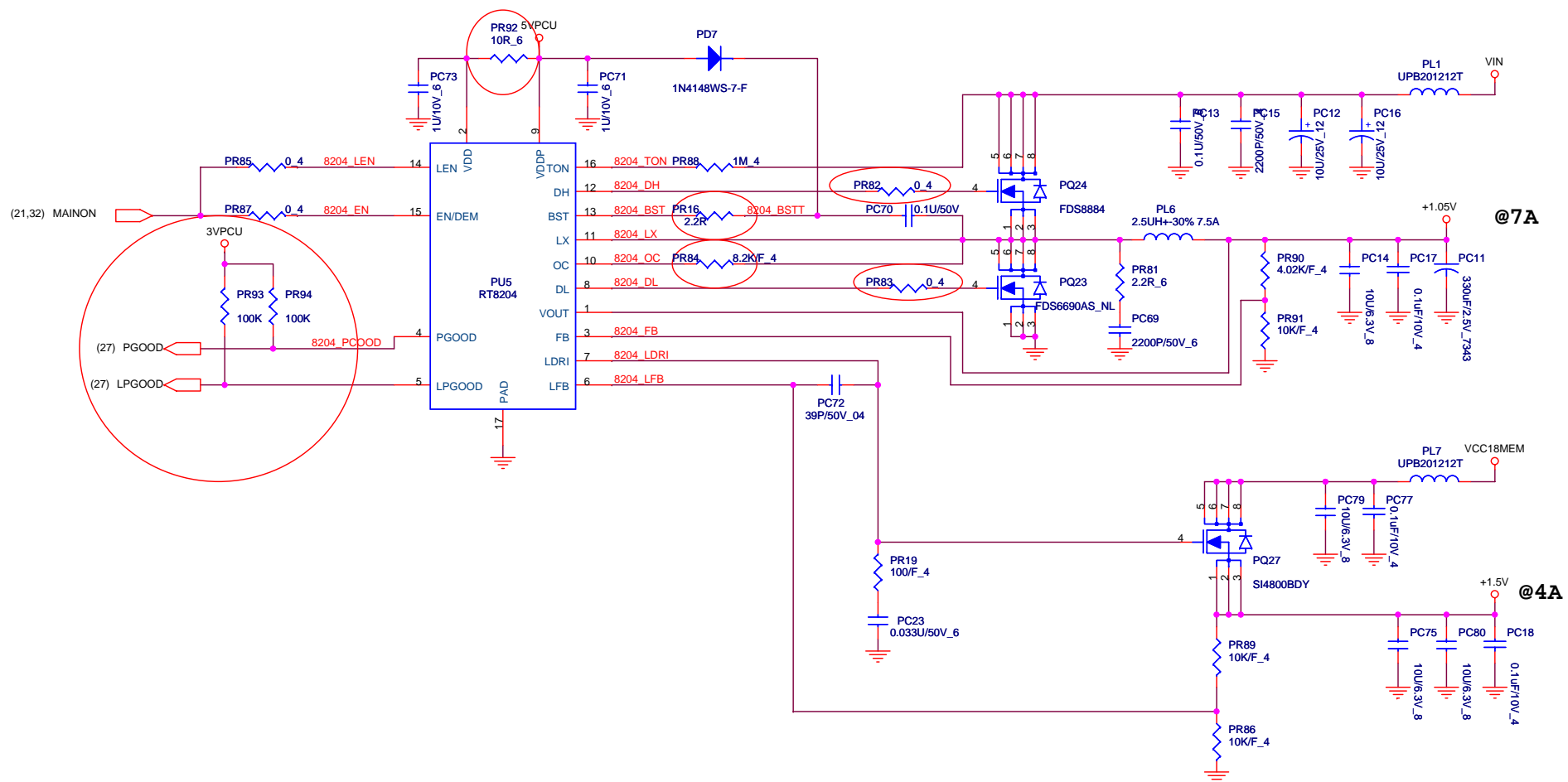
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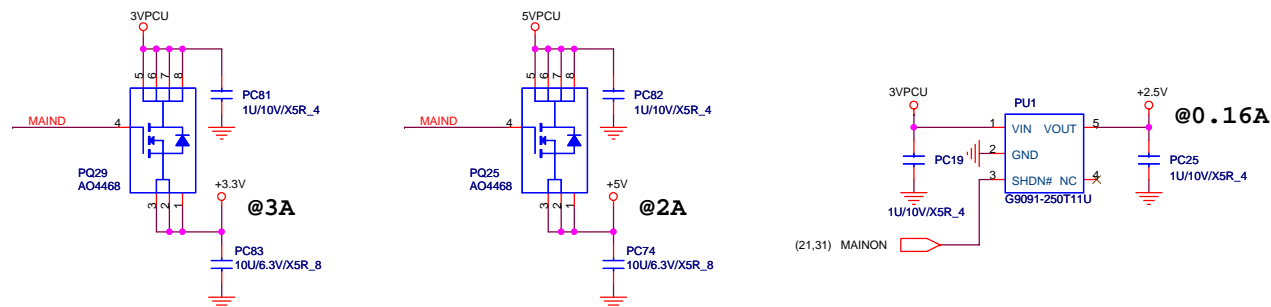


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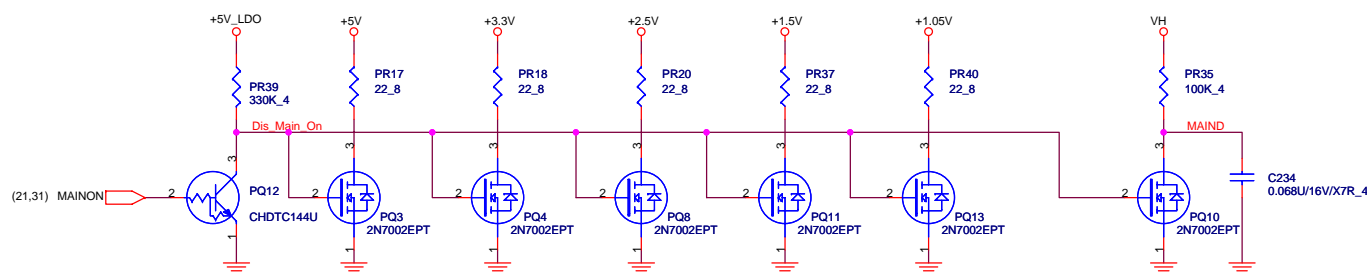
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		1A
Size	Document Number	DC/DC DDRII / VTERM
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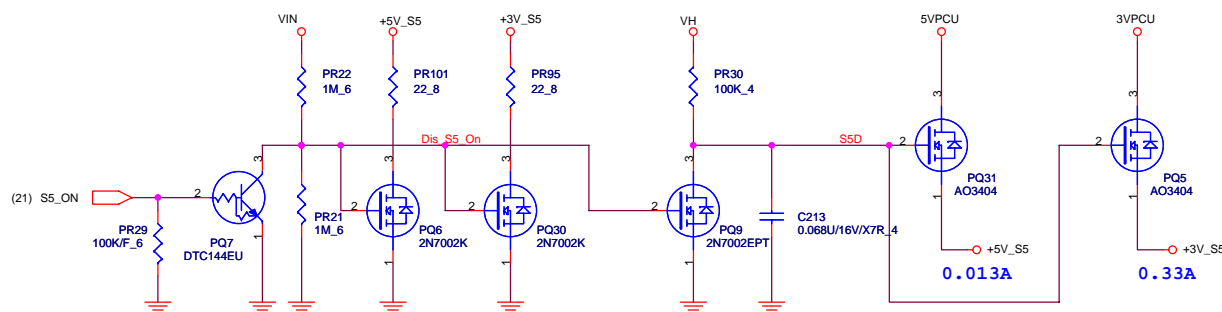




Discharge Circuit Controller by MAINON



Discharge Circuit Controller by S5_ON

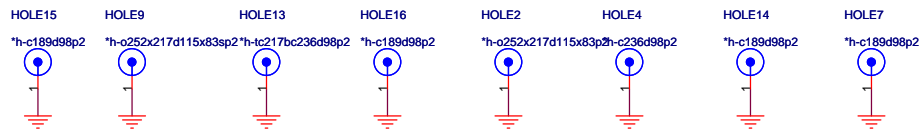


笔记本维修资料 <http://shop36609371.taobao.com>

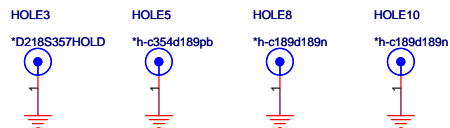
QQ:52643956

SCREW HOLE

正面沒有接地銅箔, 背面有



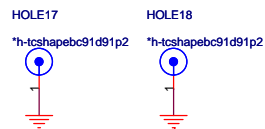
(d: 鑽孔的孔徑) 背面有露銅



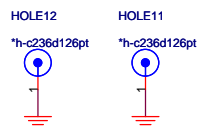
108HOLD



HDD -- HOLD



240HOLD



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SCREW HOLD