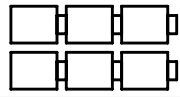


A8N_A8Dc AMD/MCP67MV/MCP67D BLOCK DIAGRAM

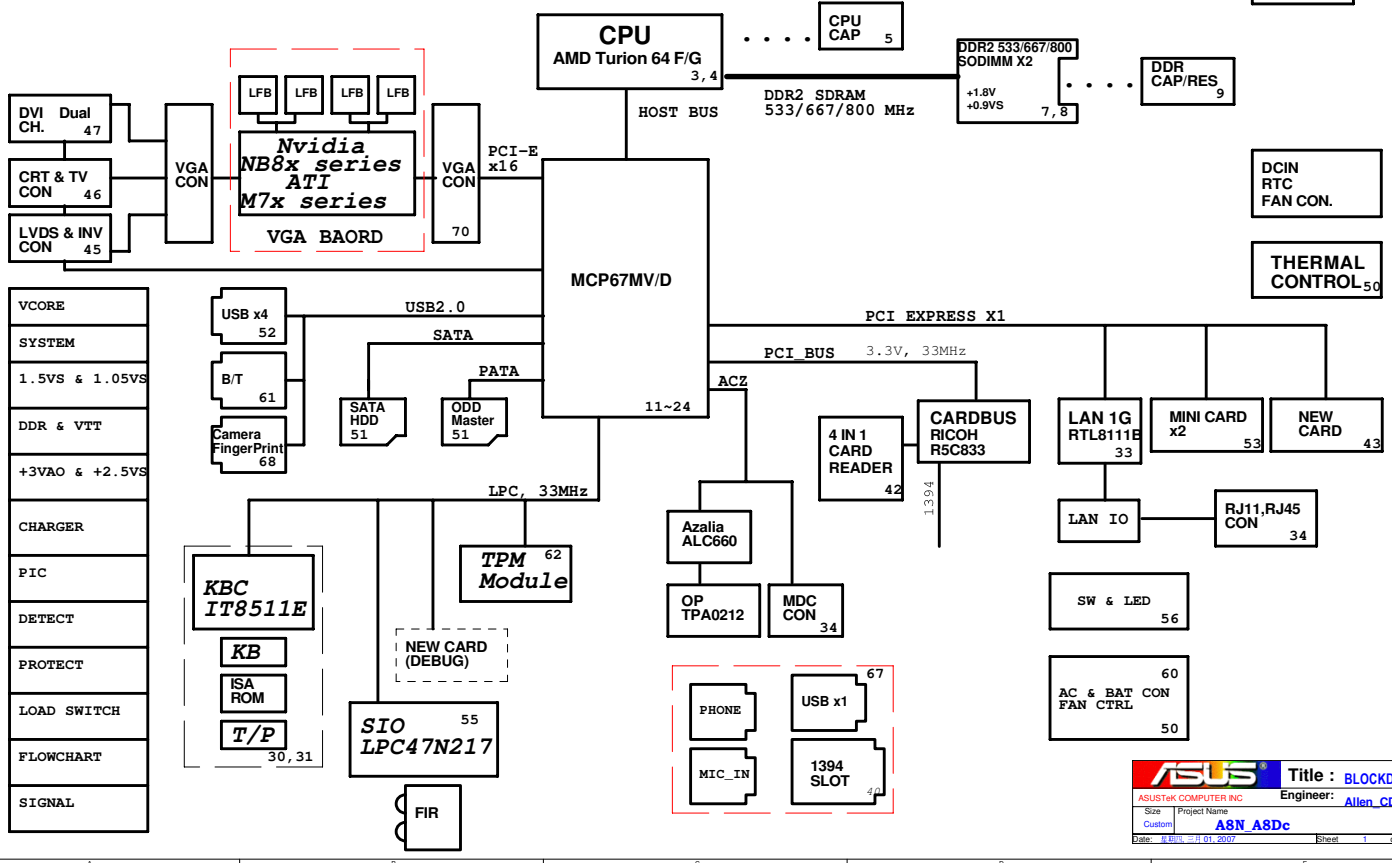
Sub block Diagram /
BOM option

64

BATTERY
TYPE
3S2P

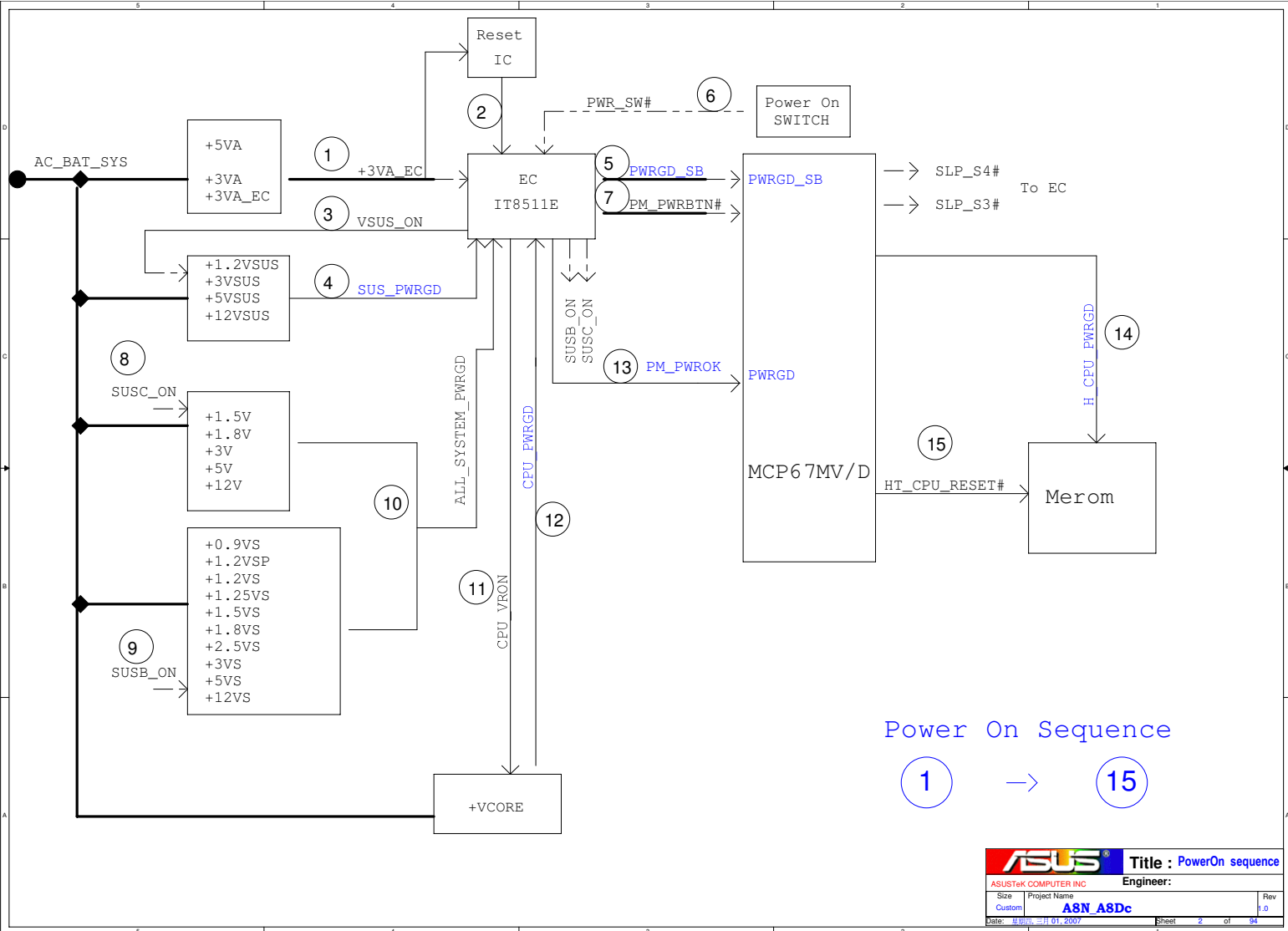


POWER
SEQUENCE
2



<< Kennedy_Zhang >>

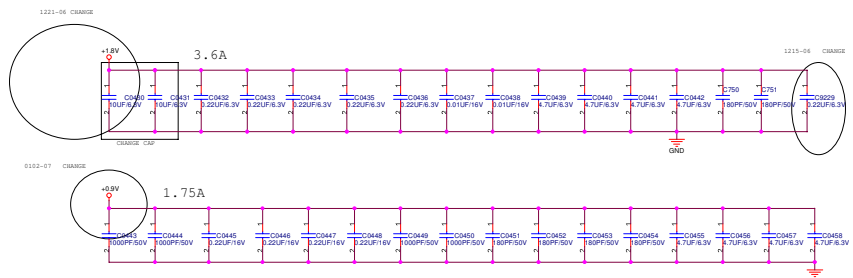
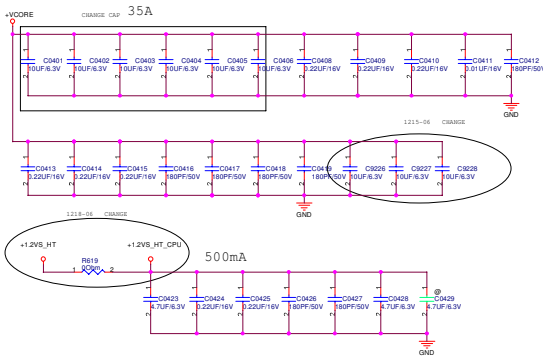
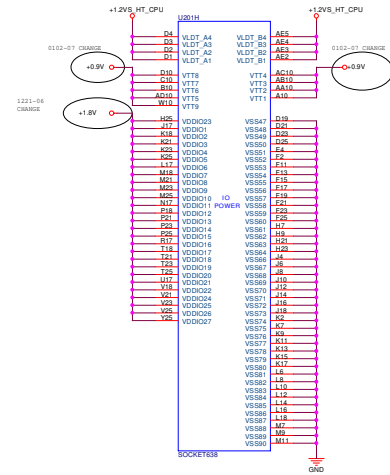
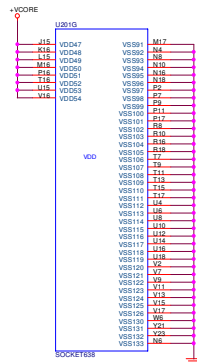
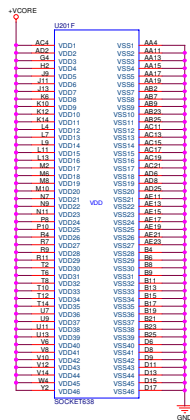
<http://shop36609371.taobao.com/>
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| | | | |
|------------------------|--------------|-----------------------|-----|
| ASUS | | Title : AMD S1 CPU3 | |
| ASUSTek COMPUTER INC. | | Engineer: Allen_CD Wu | |
| Rev | Project Name | Rev | |
| Custom | A8N A8Dc | Rev | 1 |
| Date: 2007-01-20 10:00 | Rev | Rev | Rev |

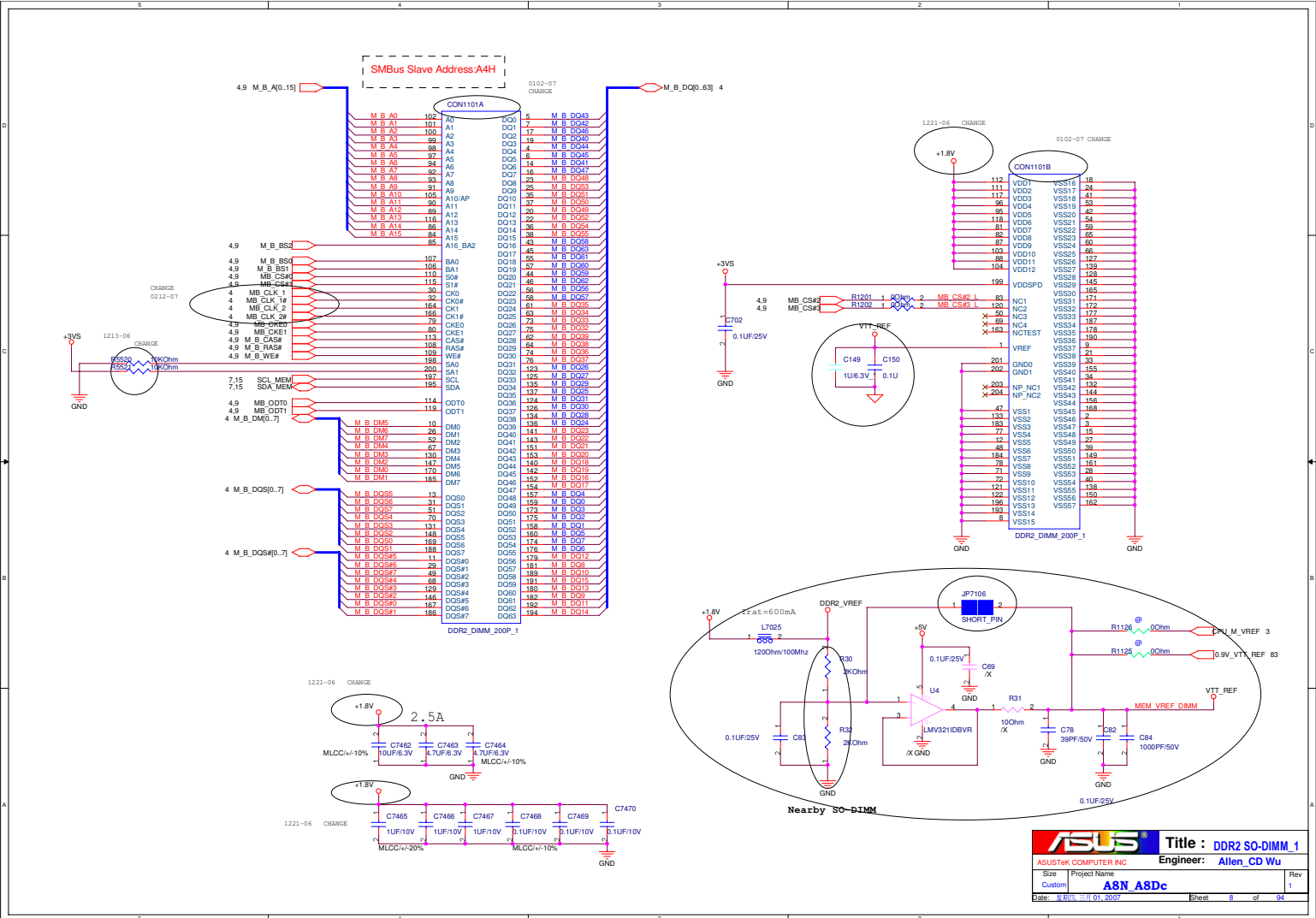
<< Kennedy_Zhang >>

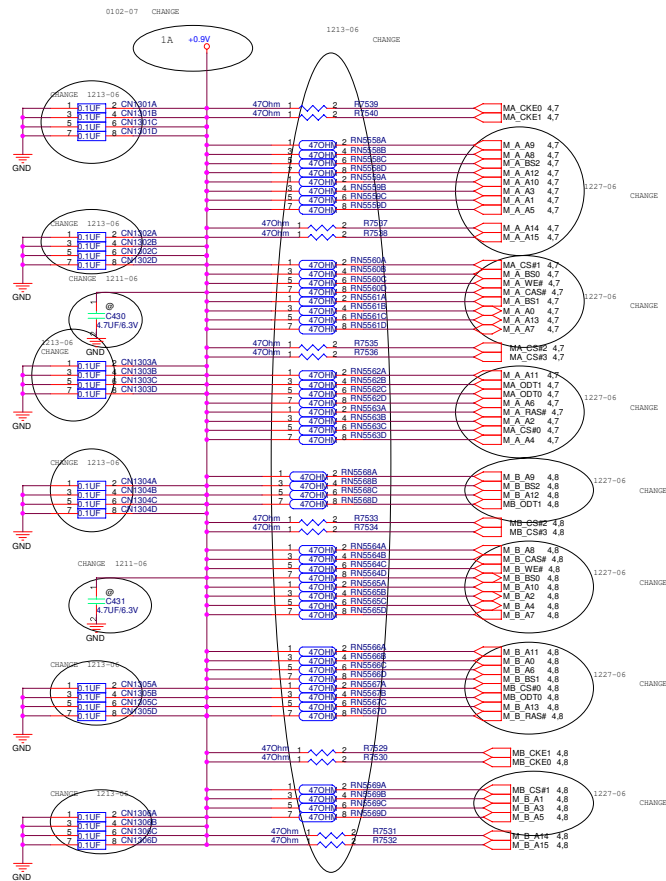
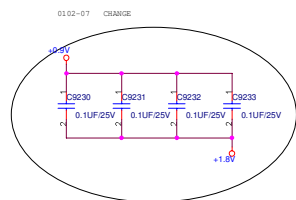
<http://shop36609371.taobao.com/>
QQ:52643956 笔记本维修资料

| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 6 of 94 | |

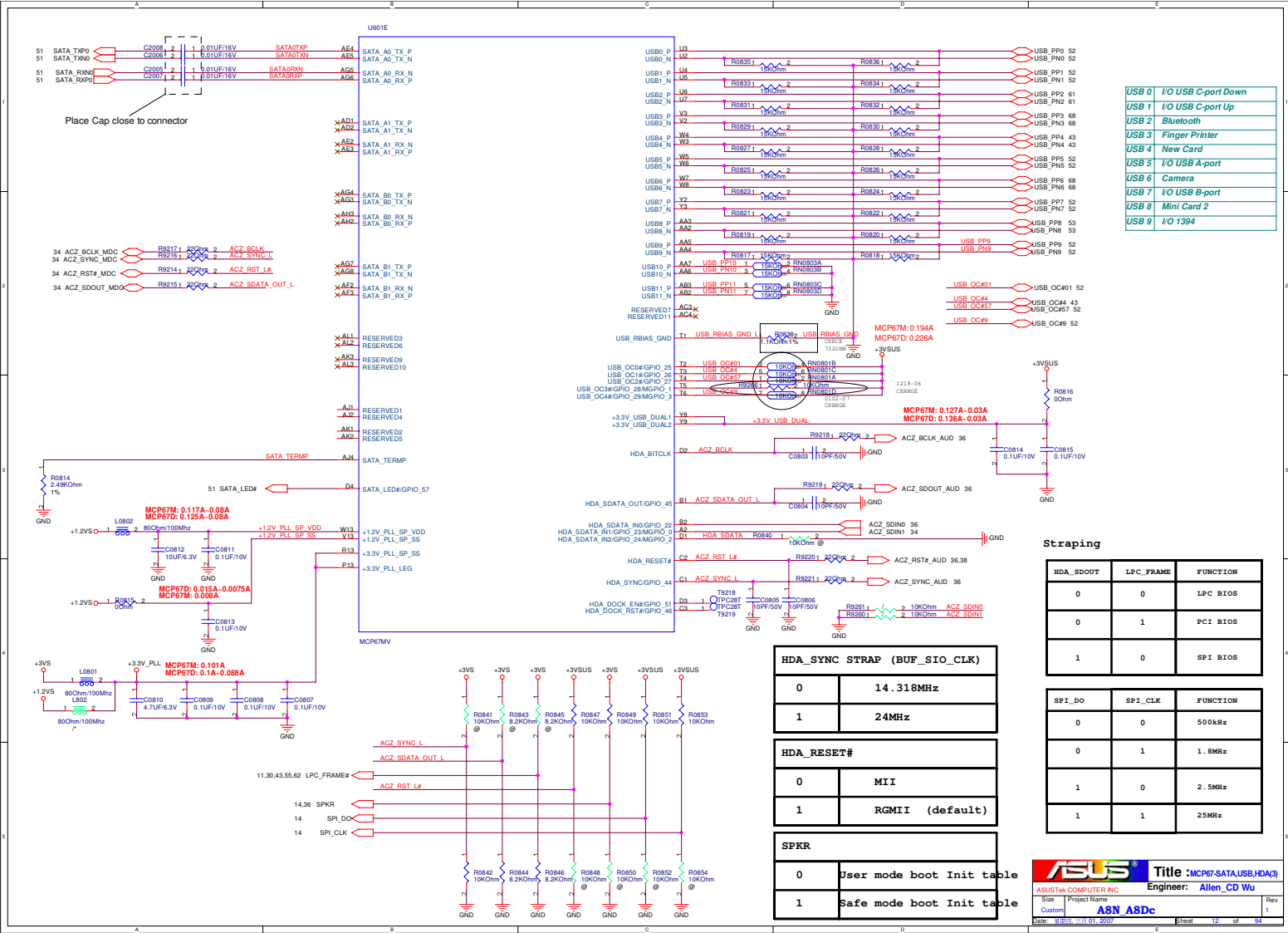
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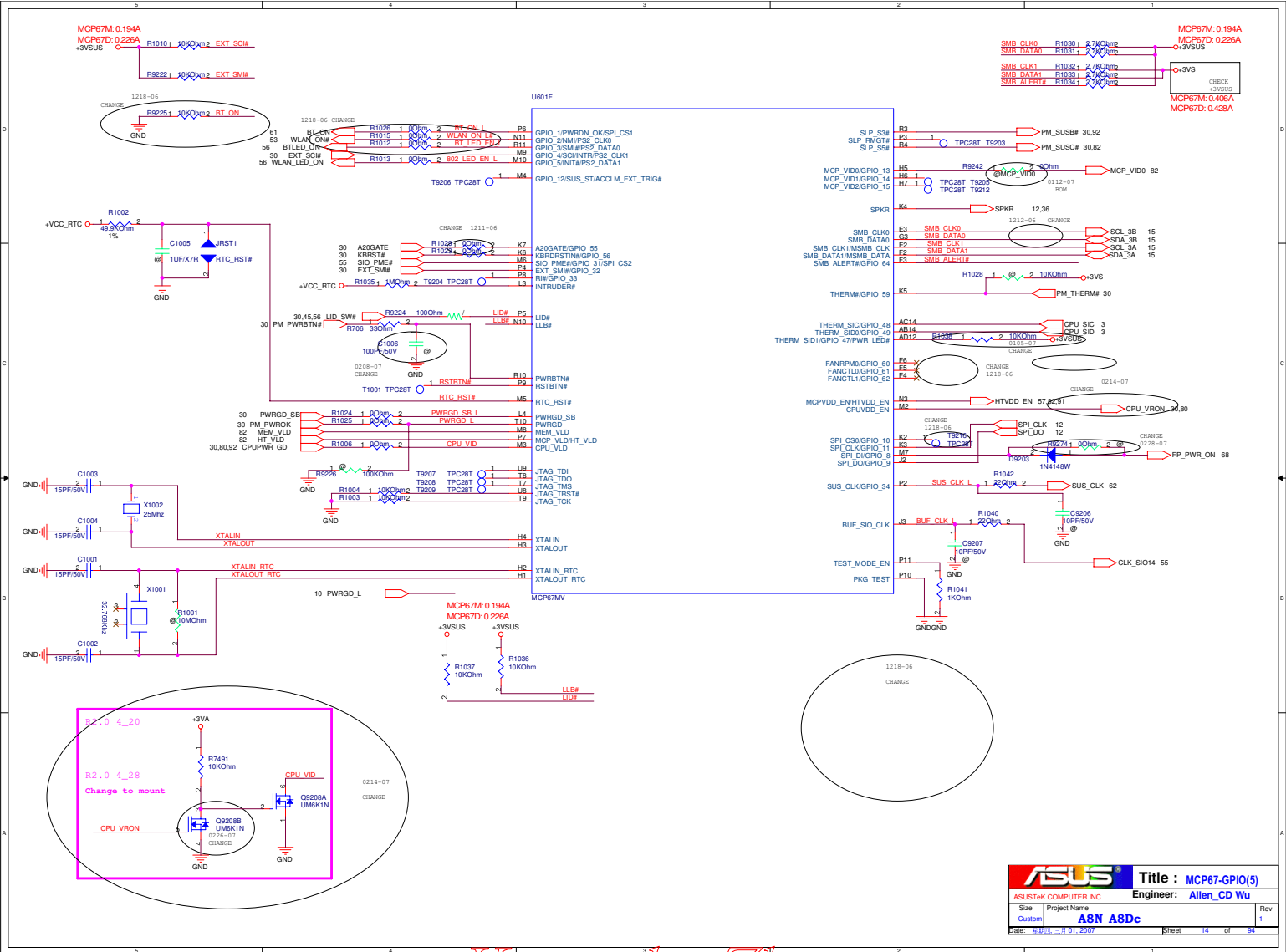
<http://shop36609371.taobao.com/>
QQ:52643956 笔记本维修资料





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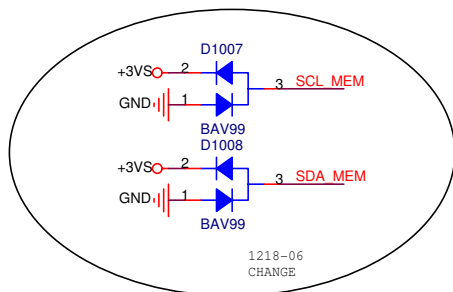
<http://shop36609371.taobao.com/>
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Check

Connect SMLINK and SMBUS
for SMBus 2.0 compliance.

ICH8-M

ICH8-M



| | | | |
|------------------------|---------------------------------|------------------------------|------------|
| ASUS | | Title : LEVEL SHIFTER | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size A | Project Name A8N_A8Dc | | Rev 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 15 | of 94 |


<< Kennedy_Zhang >>

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QQ:52643956 笔记本维修资料

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|---|--------------------------|----------------|
|  | | Title : BLANK |
| ASUSTeK COMPUTER INC | | Engineer: |
| Size A | Project Name A8N_A8Dc | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 16 of 94 |


<< Kennedy_Zhang >>

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|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 17 of 94 | |


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|---|---------------------------------|----------------------|----------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 18 of 94 | |


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|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 19 of 94 | |

<< Kennedy_Zhang >>

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|---|--------------|----------------|-----|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size | Project Name | | Rev |
| Custom | A8N_A8Dc | | 0 |
| Date: 01/01/2007 | | Sheet 20 of 94 | |


<< Kennedy_Zhang >>

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| | | | |
|---|--------------|----------------|--|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size | Project Name | Rev | |
| Custom | A8N_A8De | 0 | |
| Date: 11/11/2007 | | Sheet 21 of 94 | |

<< Kennedy_Zhang >>

<http://shop36609371.taobao.com/>
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| | | | |
|---|--------------|----------------|--|
|  | | Title : BLANK | |
| ASUSTek COMPUTER INC | | Engineer: | |
| Size | Project Name | Rev | |
| Custom | A8N_A8Dc | 0 | |
| Date: 2007.01.01 | | Sheet 22 of 94 | |


<< Kennedy_Zhang >>

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QQ:52643956 笔记本维修资料

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|---|--------------|----------------|--|
|  | | Title : BLANK | |
| ASUSTek COMPUTER INC | | Engineer: | |
| Size | Project Name | Rev | |
| Custom | A8N_A8Dc | 0 | |
| Date: 星期日 01月 01, 2007 | | Sheet 23 of 94 | |


<< Kennedy_Zhang >>

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| | | | |
|---|---------------------------------|------------------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 24 of 94 | |

<< Kennedy_Zhang >>

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| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet | 25 of 94 |


<< Kennedy_Zhang >>

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| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 26 of 94 | |

<< Kennedy_Zhang >>

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| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 27 of 94 | |

<< Kennedy_Zhang >>

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

| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 28 of 94 | |

<< Kennedy_Zhang >>

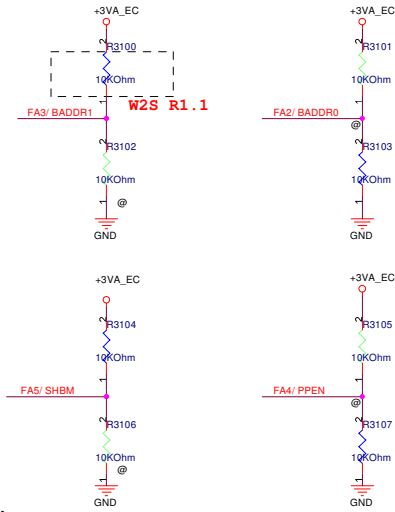
<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料

| | | |
|---|----------------|---------------|
|  | | Title : BLANK |
| ASUSTek COMPUTER INC. | | Engineer: |
| SPC | Project Name | Rev |
| Custom | A8N_A8Dc | 1.0 |
| Date: 8/20/2007 | Sheet 29 of 84 | |

<< Kennedy_Zhang >>

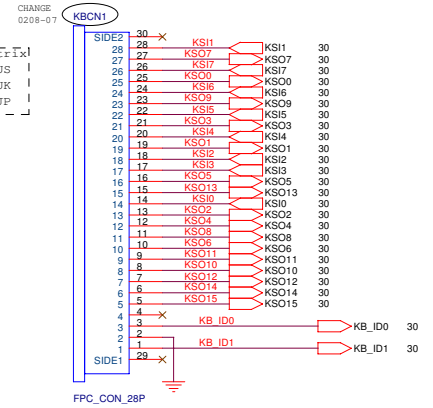
<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料

10:Determined by EC



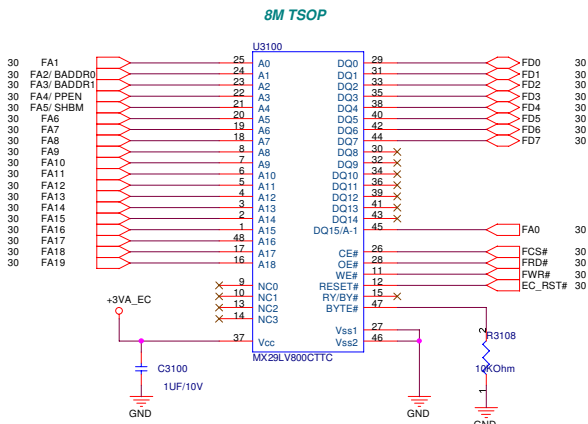
BADDR[1:0]
No pull up:
The register pair to access PNPCFG is 002Eh and 002Fh.
Ext 10K up on BADDR0:
The register pair to access PNPCFG is 004Eh and 004Fh.
Ext 10K up on BADDR1:
The register pair to access PNPCFG is determined by EC domain registers SWCBALR and SWCBAHR.

| KBDDT1 | KBDDT0 | Matrix |
|--------|--------|--------|
| 1 | 1 | US |
| 1 | 0 | UK |
| 0 | 1 | JP |

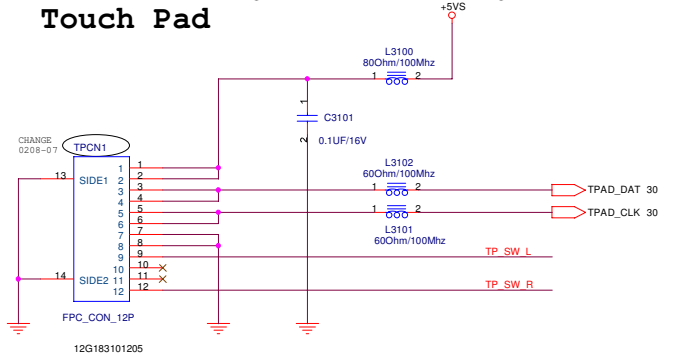


SHBM
No pull up:
disable shared memory with host BIOS
Ext 10K up:
enable shared memory with host BIOS

PPEN
No pull up:
Normal
Ext 10K up:
KBS interface pins are switched to parallel port interface for in-system programming.



Touch Pad



| | | | |
|----------------------|----------------|---------------------------------|--|
| ASUS | | Title : IT8510/8511(2/2) | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | Rev | |
| Custom | A8N A8Dc | 1.0 | |
| Date: 01/01/2007 | Sheet 31 of 94 | | |

« Kennedy_Zhang »

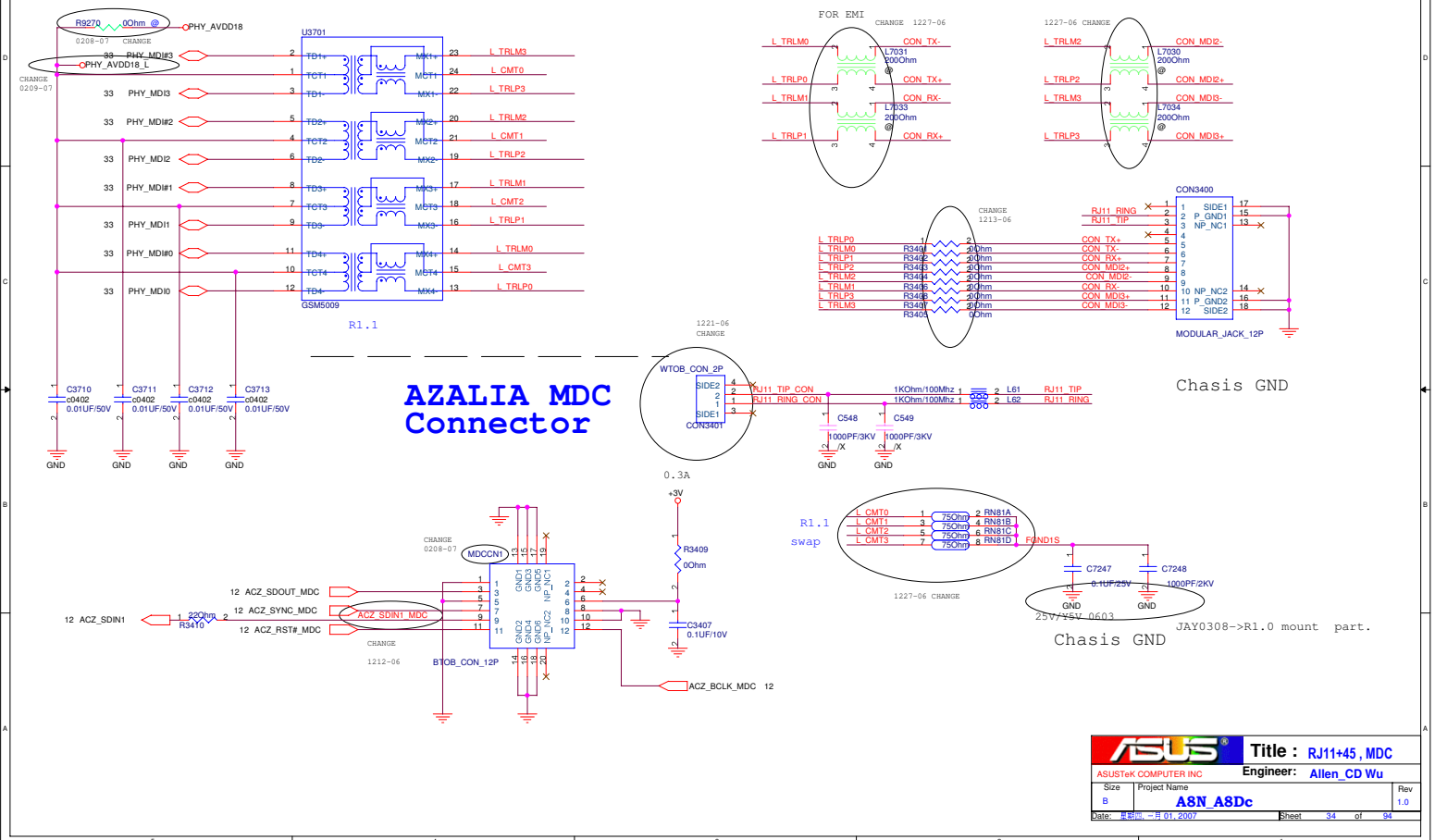
<http://shop36609371.taobao.com/>
QQ:52643956 笔记本维修资料

| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 32 of 94 | |


<< Kennedy_Zhang >>

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

LAN PORT

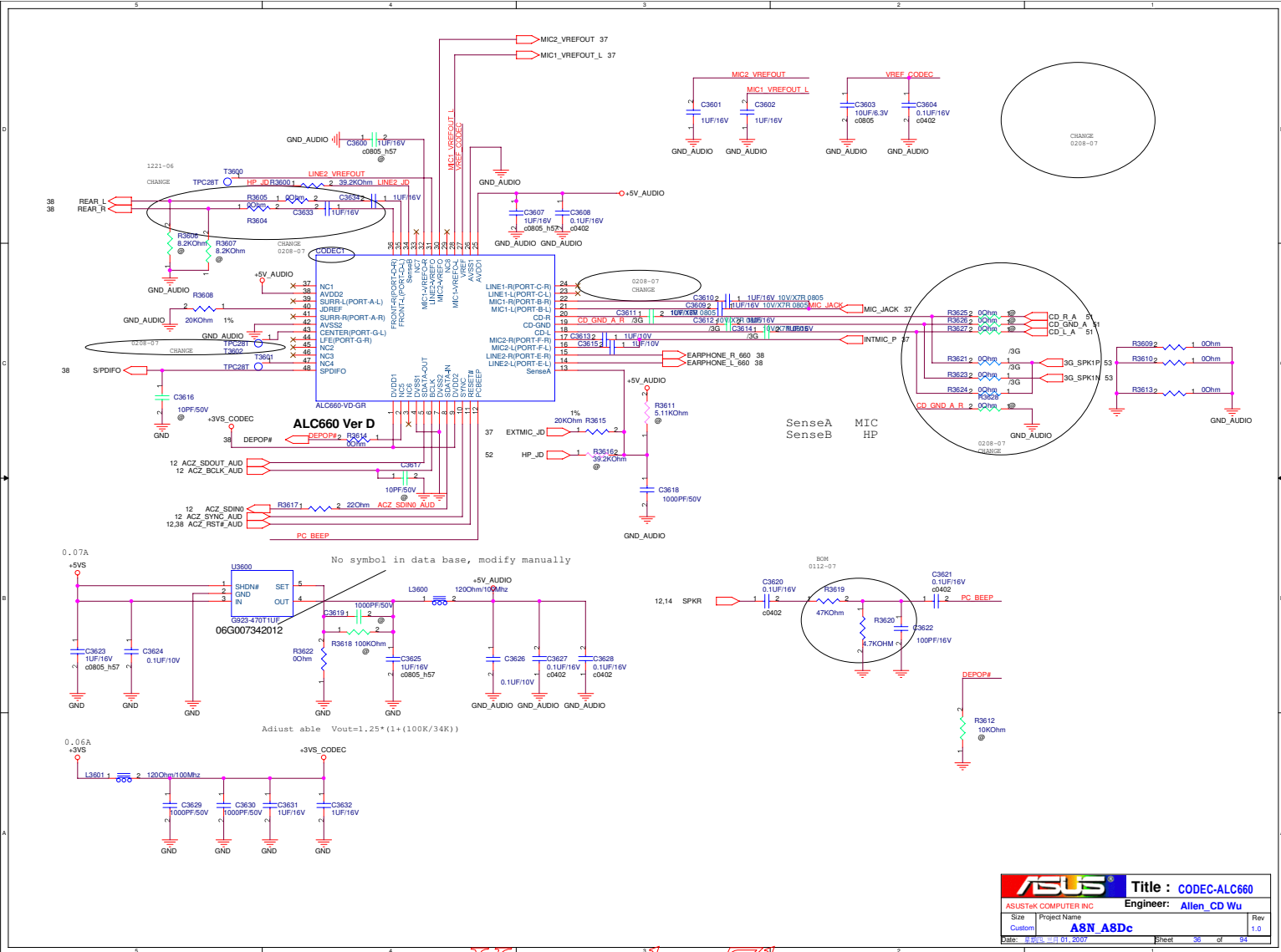


<< Kennedy_Zhang >>

| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet | 35 of 94 |

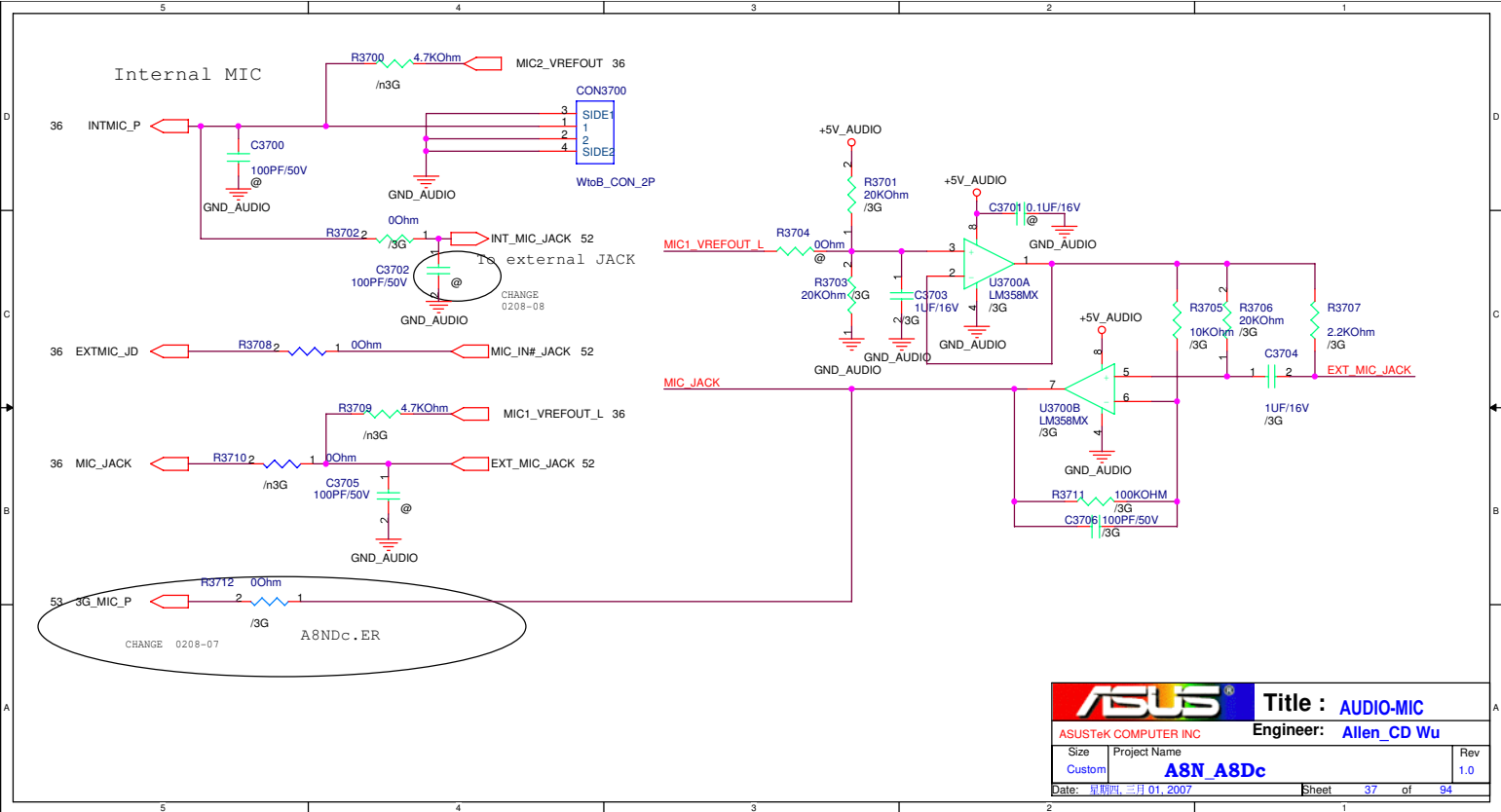
<< Kennedy_Zhang >>

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 QQ:52643956 笔记本维修资料



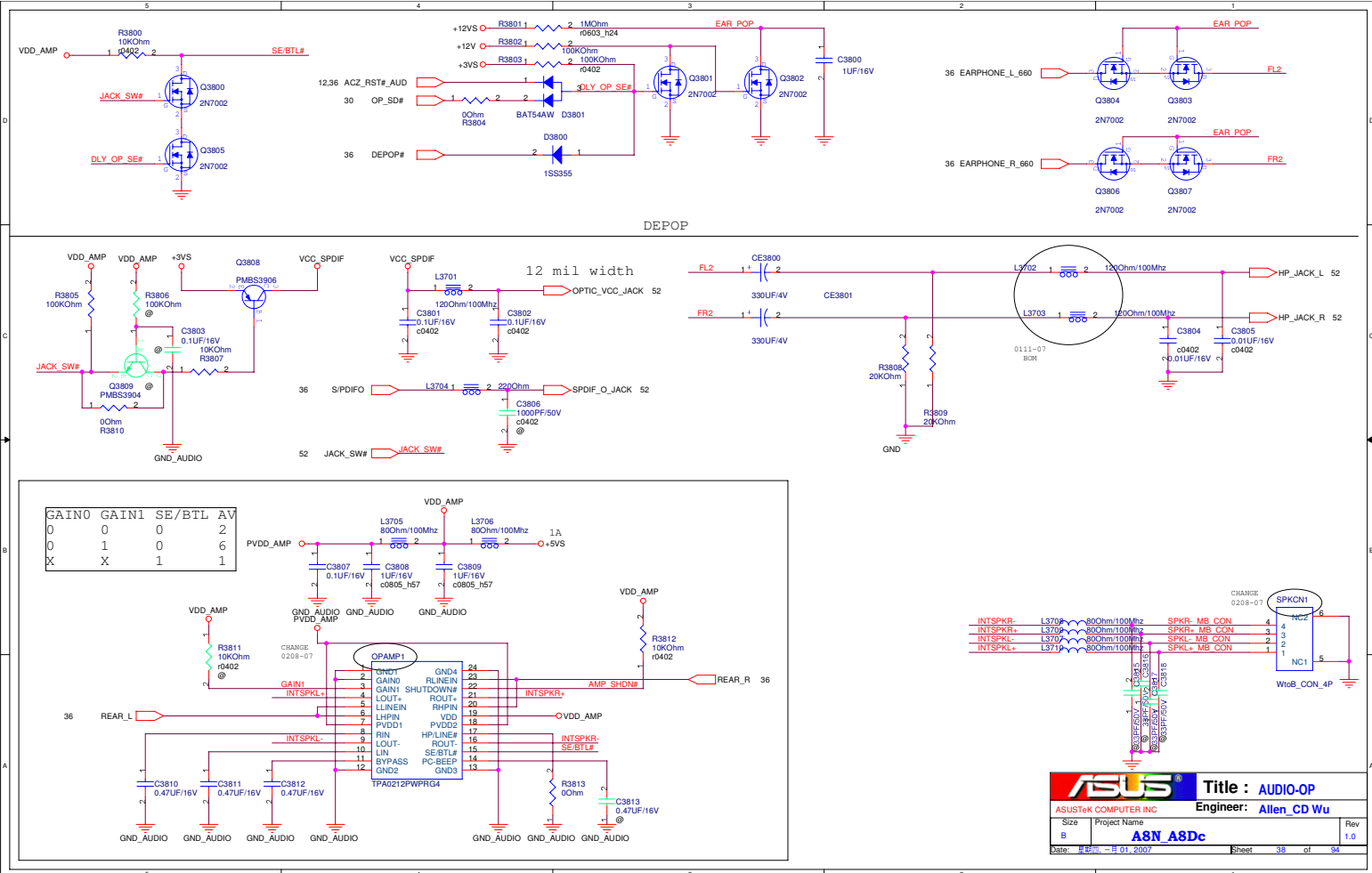
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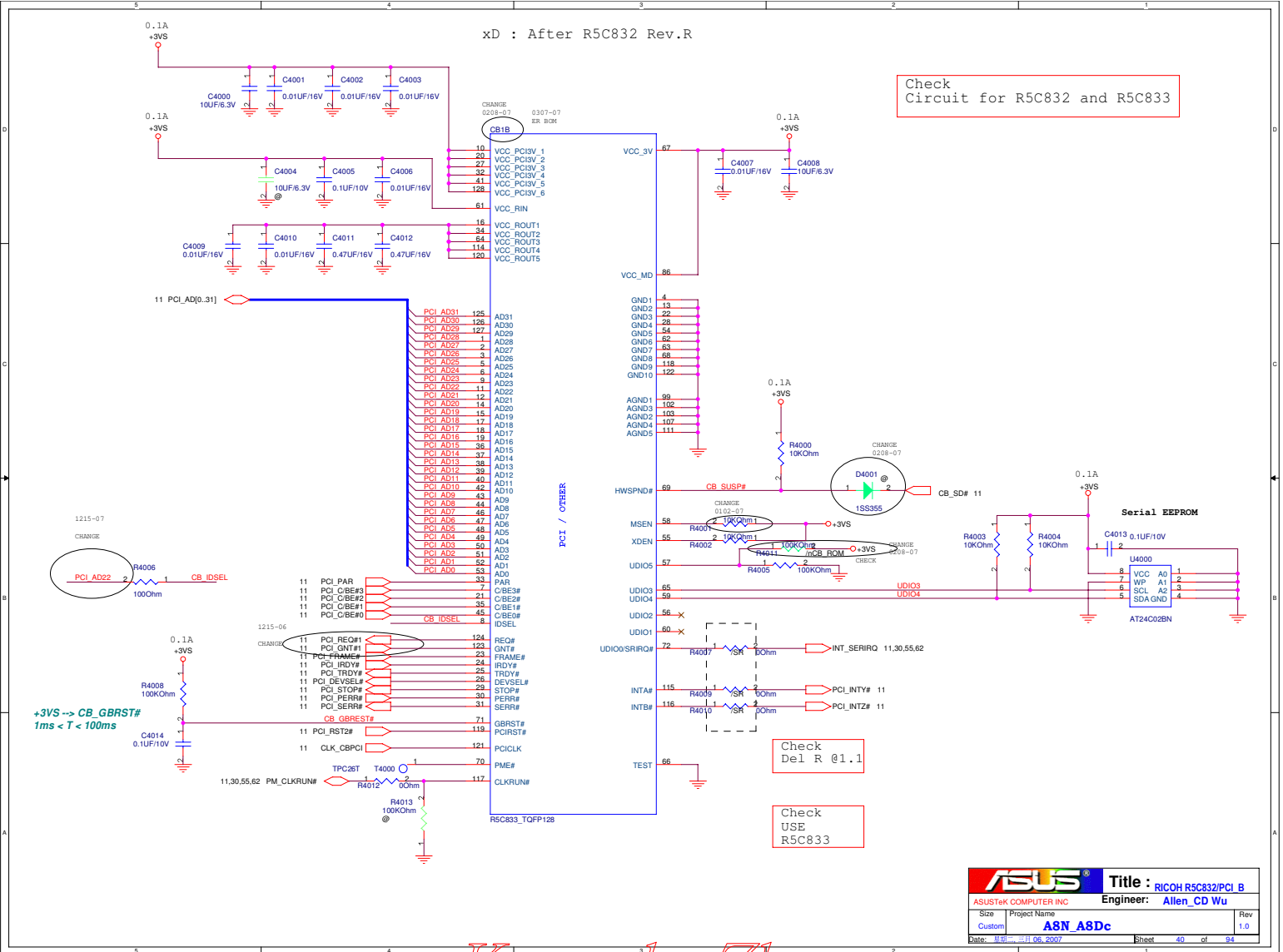
<http://shop36609371.taobao.com/>
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| | | | |
|---|---------------------------------|----------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 39 of 94 | |

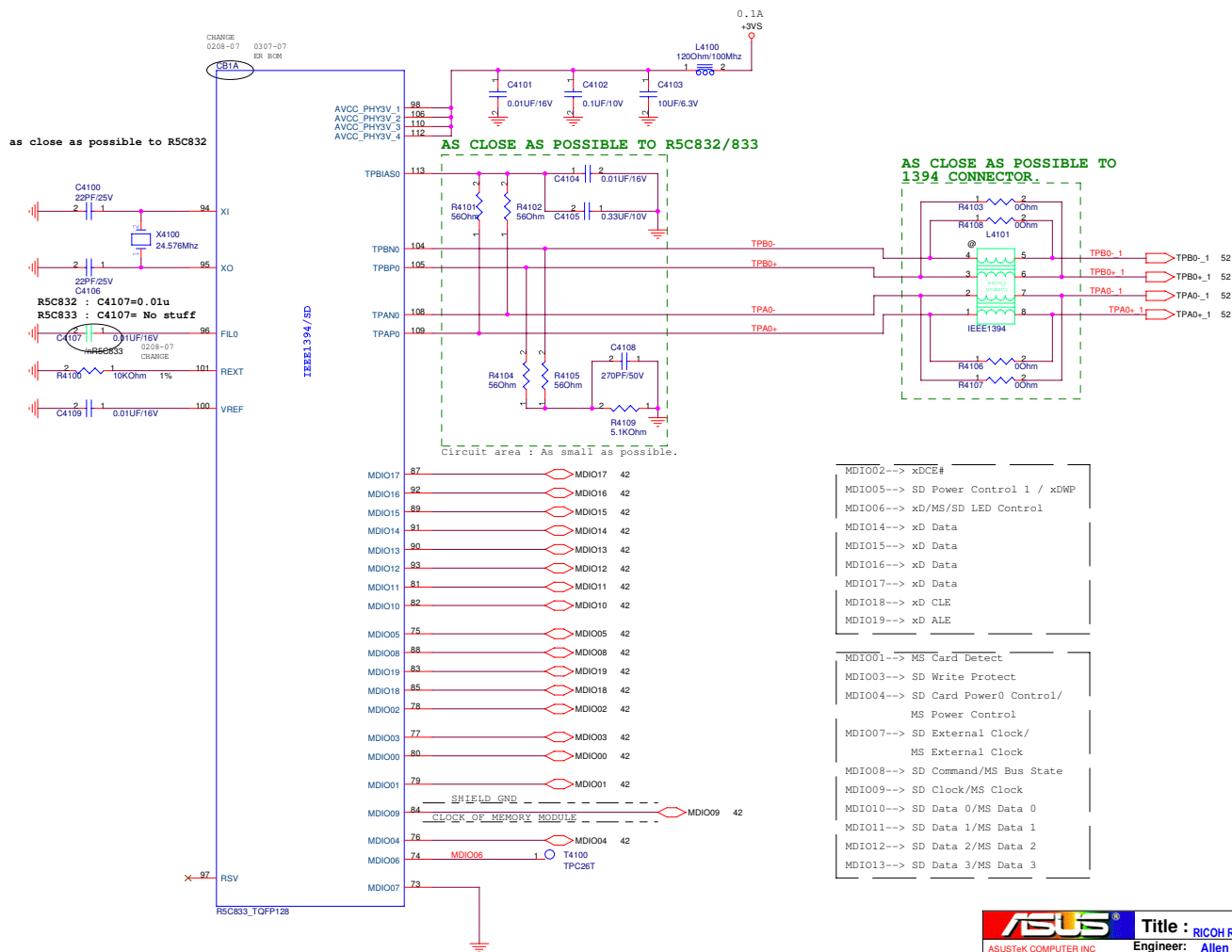
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Check
Circuit for R5C832 and R5C833



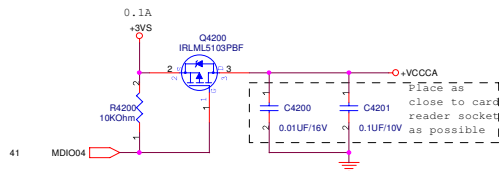
<< Kennedy_Zhang >>



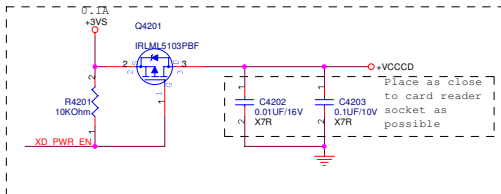
| | | | |
|----------------------|--------------|----------------------------|-----|
| ASUS | | Title : RICOH R5C832/PCI A | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | | Rev |
| Custom | A8N A8Dc | | 1.0 |
| Date: 星期日 05/06/2007 | | Sheet 41 of 94 | |

<< Kennedy_Zhang >>

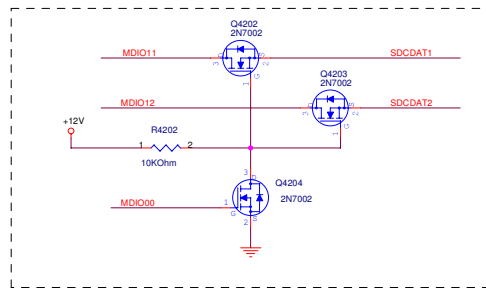
<http://shop36609371.taobao.com/>
QQ:52643956 笔记本维修资料



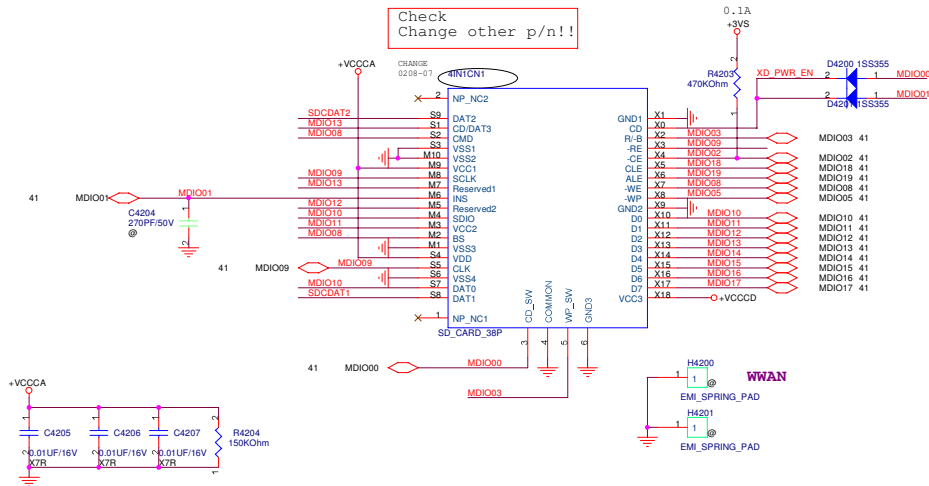
To correct the problem when MS Duo adaptor is in use.



Solve MS Duo Adaptor short issue.



Check
Change other p/n!!




MDIO00--> SD Card Detect
MDIO01--> MS Card Detect
MDIO03--> SD Write Protect
MDIO04--> SD Card Power0 Control/
MS Power Control
MDIO08--> SD Command/MS Bus State
MDIO09--> SD Clock/MS Clock
MDIO10--> SD Data 0/MS Data 0
MDIO11--> SD Data 1/MS Data 1
MDIO12--> SD Data 2/MS Data 2
MDIO13--> SD Data 3/MS Data 3

MDIO02--> xDCE#
MDIO05--> SD Power Control 1 / xDWP
MDIO06--> xD/MS/SD LED Control
MDIO14--> xD Data
MDIO15--> xD Data
MDIO16--> xD Data
MDIO17--> xD Data
MDIO18--> xD CLE
MDIO19--> xD ALE

| | | | |
|----------------------|--------------|-----------|-------------|
| ASUS | | Title : | CardReader |
| ASUSTek COMPUTER INC | | Engineer: | Allen_CD Wu |
| Size | Project Name | | Rev |
| Custom | A8N A8Dc | | 1.0 |
| Date: 2007.01.01 | | Sheet | 42 of 94 |

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| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--|--|-----------------|--|--|--|--|---|--|--|--|--|---|--|--|--|--|----------------------|--|--|--|--|
| 5 | | | | | 4 | | | | | 3 | | | | | 2 | | | | | 1 | | | | |
| D | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | |  | | | | | | | | | | Title : Blank | | | | |
| | | | | | | | | | | ASUSTeK COMPUTER INC | | | | | | | | | | Engineer: | | | | |
| Size | | | | | Project Name | | | | | | | | | | | | | | | Rev | | | | |
| A | | | | | A8N_A8Dc | | | | | | | | | | | | | | | 1.0 | | | | |
| Date: 星期四, 三月 01, 2007 | | | | | | | | | | Sheet 44 of 94 | | | | | | | | | | | | | | |

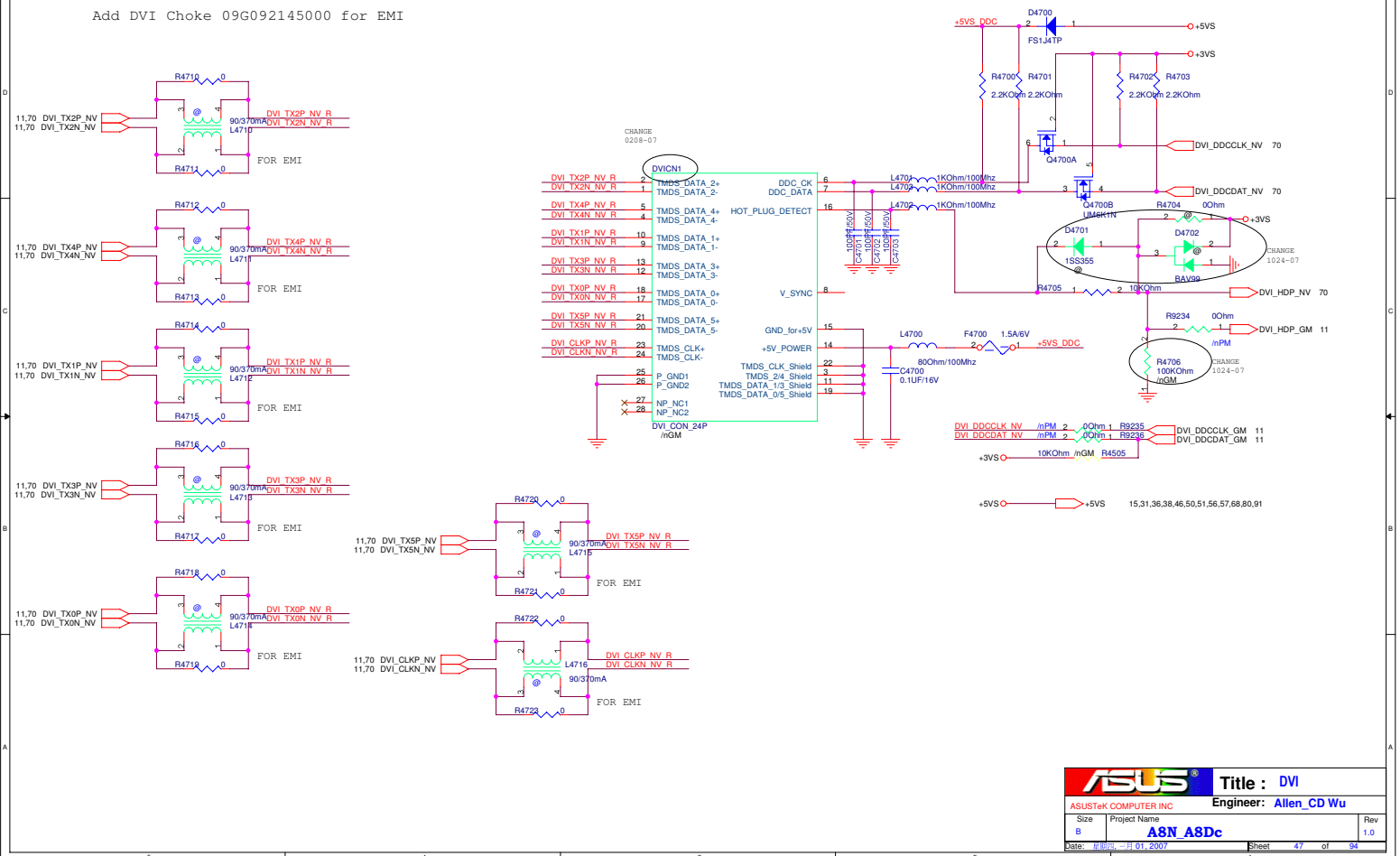
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| | | | |
|---|---------------------------------|--------------------------------|------------|
|  | | Title : LVDS & Inverter | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size Custom | Project Name A8N_A8Dc | | Rev 1.0 |
| Date: 2007-01-01 | | Sheet 45 of 94 | |

<< Kennedy_Zhang >>





<< Kennedy_Zhang >>

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|---|---------------------------------|----------------------|----------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 48 of 94 | |

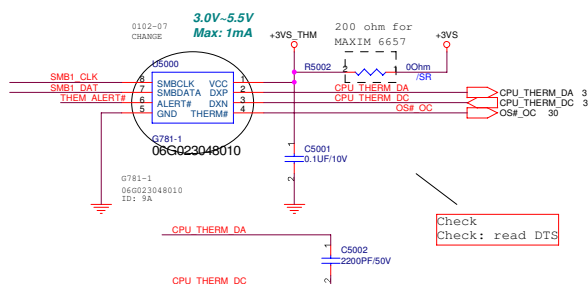
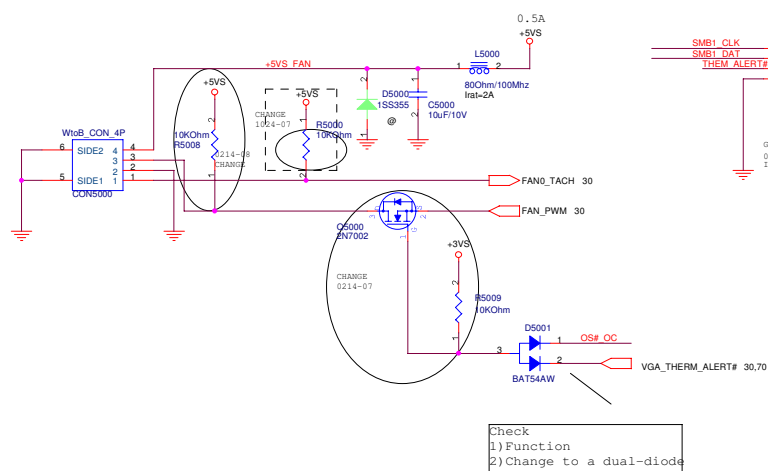
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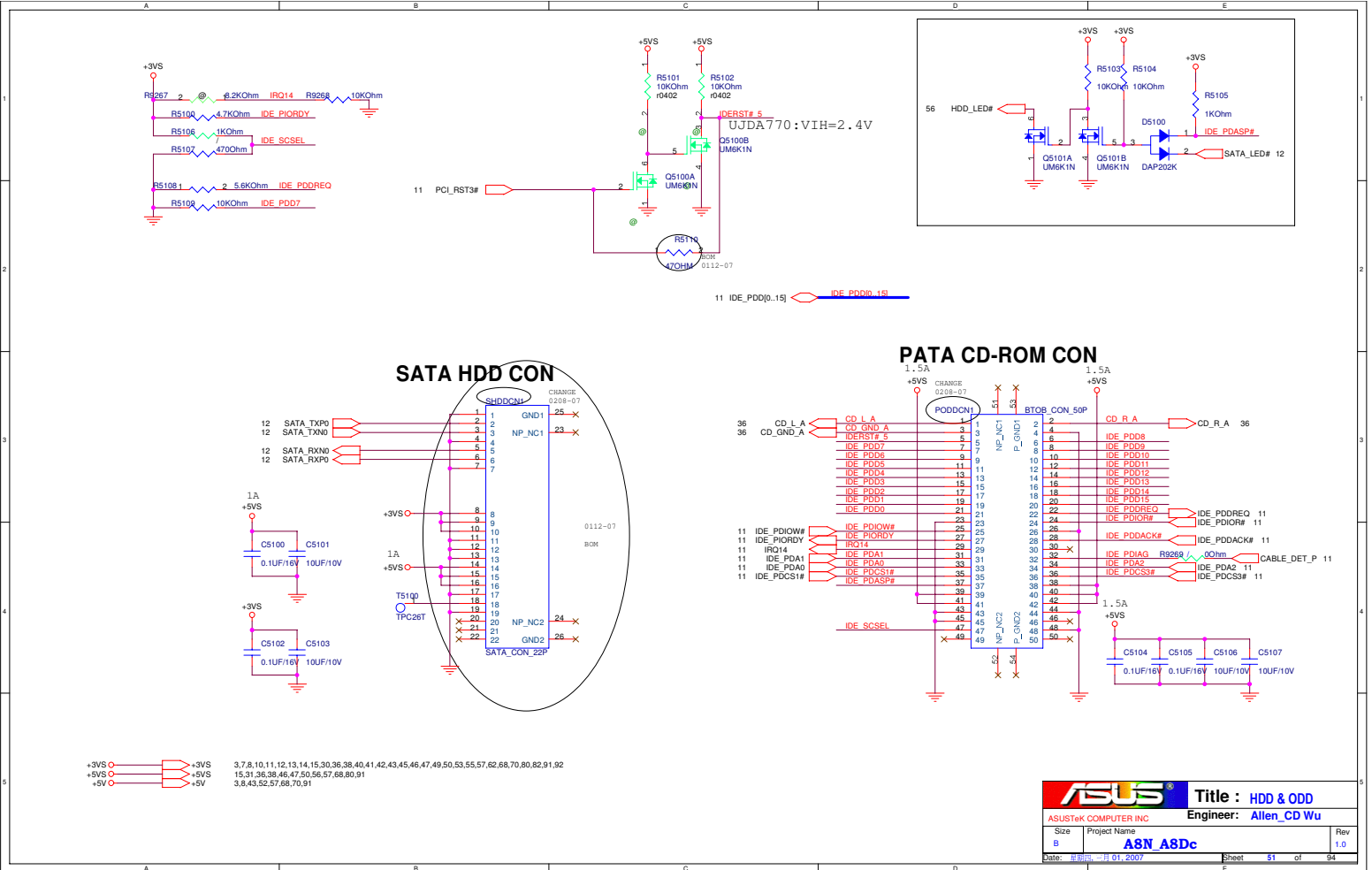
<< Kennedy_Zhang >>

30.70 SMB1_CLK
30.70 SMB1_DAT




| | | | |
|---|--|--|--|
|  | | Title : FAN & THERMAL | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size B | Project Name A8N A8Dc | Re 1.0 | |
| Date: 2007-11-01 | | Sheet 50 of 94 | |

<< Kennedy_Zhang >>



<< Kennedy_Zhang >>

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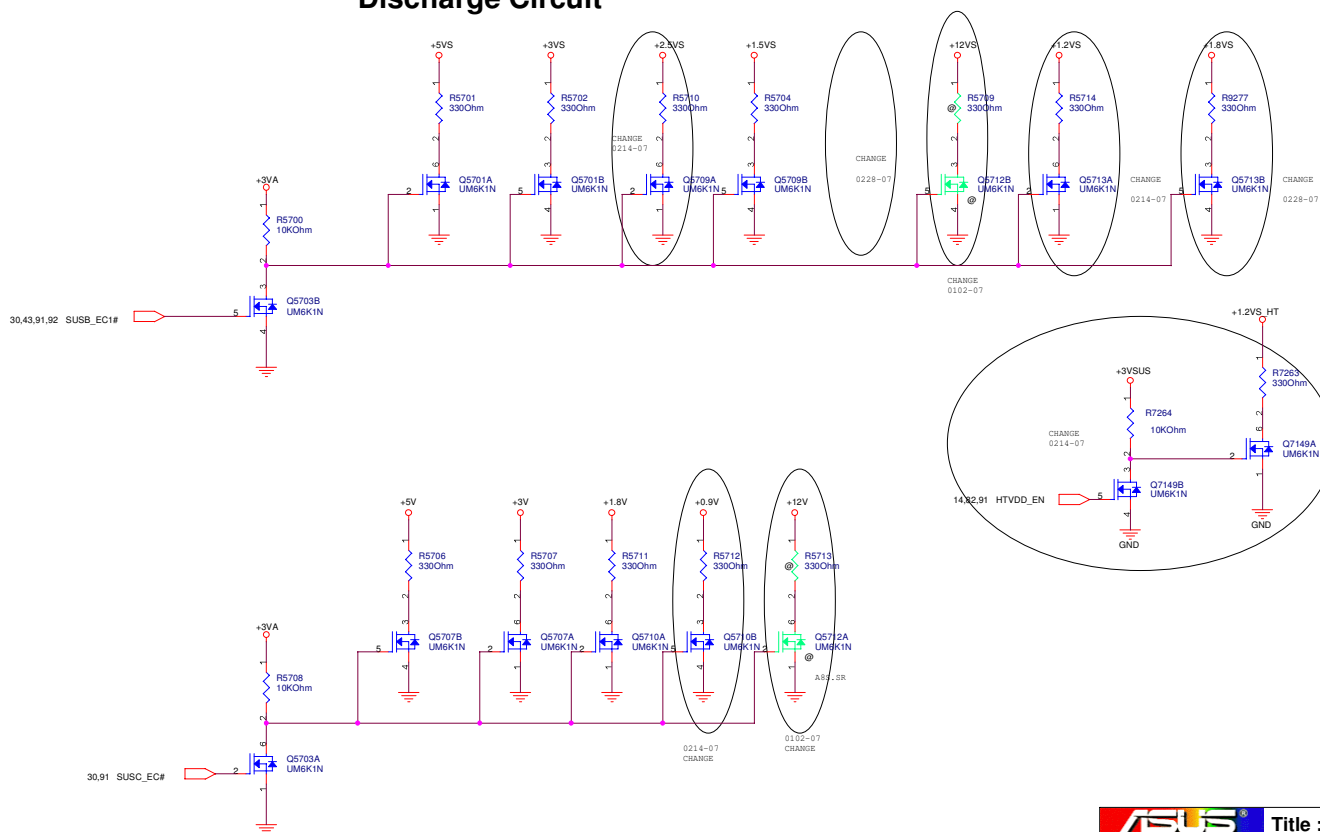
| | | | |
|---|--------------|---------------|-------|
|  | | Title : BLANK | |
| ASUSTek COMPUTER INC | | Engineer: | |
| Size | Project Name | | Rev |
| Custom | A8N_A8Dc | | 0 |
| Date: 10/26/2007 | | Sheet 56 | of 96 |

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Discharge Circuit



| | | | |
|----------------------|--------------|--------------------------|-------|
| ASUS | | Title : Discharge | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | Rev | |
| B | A8N A8Dc | 1.0 | |
| Date: 11/01/2007 | Sheet | 67 | of 94 |

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<Variant Name>



Title :

ASUSTeK COMPUTER INC

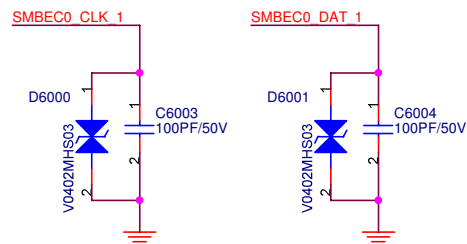
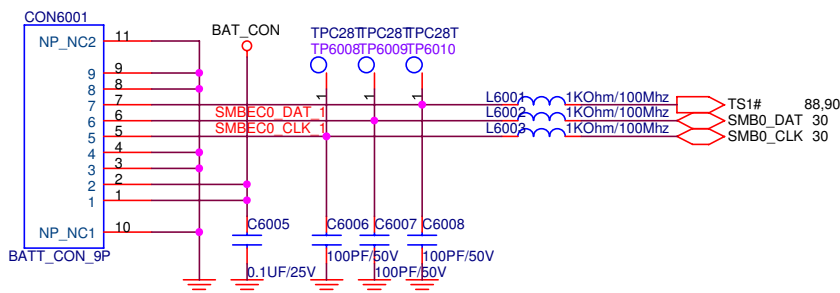
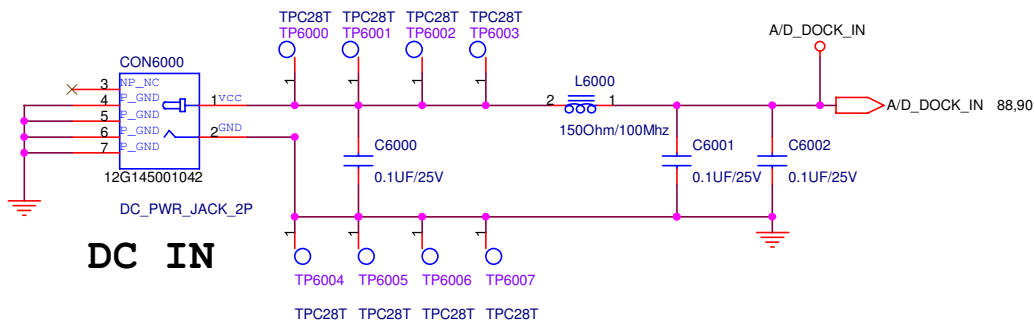
Engineer:

| | | |
|------------------------|---------------------------------|-------------------|
| Size A | Project Name A8N_A8Dc | Rev 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet of 94 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|-----------------|--|--|------------------|--|--|--|--|-------|--|--|--|--|----------|--|--|--|--|---|--|--|--|--|-------|--|--|--|--|---------|--|--|--|--|------|--|-----------------|--|--|-----|--|---|--|----------|--|--|-----|--|-------|--|--|--|--|------------------|--|--|--|--|-------|--|--|--|--|----------|--|--|--|--|
| 5 | | | | | 4 | | | | | 3 | | | | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | <table border="1"><tr><td colspan="5">Title</td></tr><tr><td colspan="5"><Title></td></tr><tr><td colspan="2">Size</td><td colspan="3">Document Number</td><td colspan="2">Rev</td></tr><tr><td colspan="2">A</td><td colspan="3">A8N_A8Dc</td><td colspan="2">1.1</td></tr><tr><td colspan="5">Date:</td><td colspan="5">星期四, 三月 01, 2007</td><td colspan="5">Sheet</td><td colspan="5">59 of 94</td></tr></table> | | | | | Title | | | | | <Title> | | | | | Size | | Document Number | | | Rev | | A | | A8N_A8Dc | | | 1.1 | | Date: | | | | | 星期四, 三月 01, 2007 | | | | | Sheet | | | | | 59 of 94 | | | | |
| Title | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <Title> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size | | Document Number | | | Rev | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | A8N_A8Dc | | | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date: | | | | | 星期四, 三月 01, 2007 | | | | | Sheet | | | | | 59 of 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | 4 | | | | | 3 | | | | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

<< Kennedy_Zhang >>

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

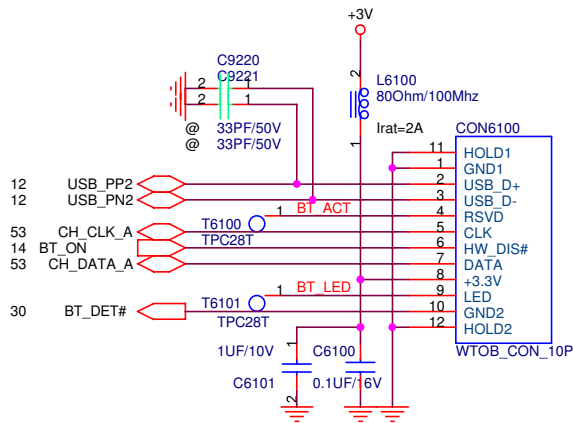


Battery Connector

| | | | |
|------------------------|--------------------------|-----------------------|------------|
| ASUS | | Title : DC IN / BAT | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size A | Project Name A8N_A8Dc | | Rev 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 60 | of 94 |

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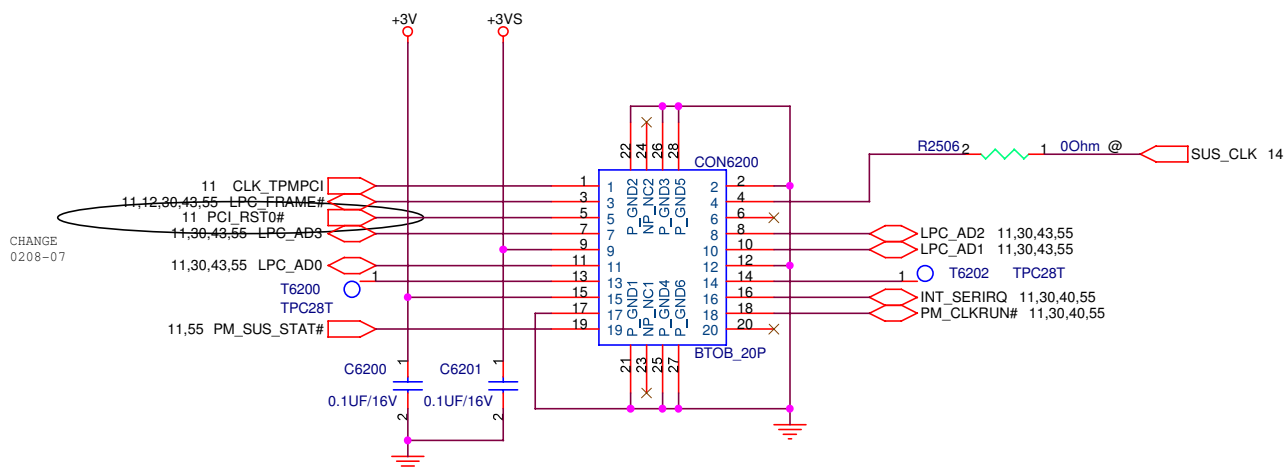
Bluetooth Module CON

| | | |
|------------------------|---------------------------------|------------------------------|
| ASUS | | Title : BT/CAMERA |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu |
| Size A | Project Name A8N_A8Dc | Rev 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 61 of 94 |

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TPM 1.2 Module



| | | | |
|------------------------|--------------|-----------------------|-----|
| ASUS | | Title :TPM | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | | Rev |
| A | A8N_A8Dc | | 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 62 of 94 | |

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| | | | |
|---|---------------------------------|------------------------------|-----------------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 63 of 94 | |

<< Kennedy_Zhang >>

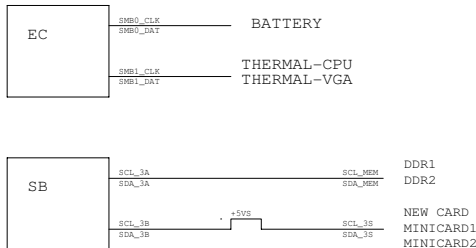
<http://shop36609371.taobao.com/>
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| PCI Device | IDSEL# | REQ/GNT# | Interrupts |
|------------|------------------------|----------|------------|
| | | | |
| | | | |
| | | | |
| CARDBUS | AD22 CHANGE 1215-06 | 1 | Y, Z |
| | | | |
| | | | |

| SM-Bus Device | SM-Bus Address |
|-----------------|----------------|
| SO-DIMM 0 (low) | |
| SPD | A0 |
| SO-DIMM 1(high) | |
| SPD | A4 |
| G781-1 | 9A |
| G781(VGA board) | 98 |

CHANGE 0102-07

Thermal Sensor (CPU)
SM-Bus Mapping 1001100



BOM option

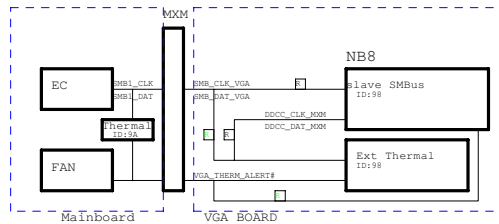
nGM:yellow
nPM:light red
=====

nGM :no stuff for A8N
nPM :no stuff for A8Dc
nGM1:no stuff for A8N, A8N/SR mount for debugging A8S in advance
3G :for Windigo, SR mount for debugging
SR :for SR debugging, should be removed or no stuff @ ER

Support ID2:

Support ID2:
page 68,Finger print
page 55,IR
Page 56,pwr switch and LED

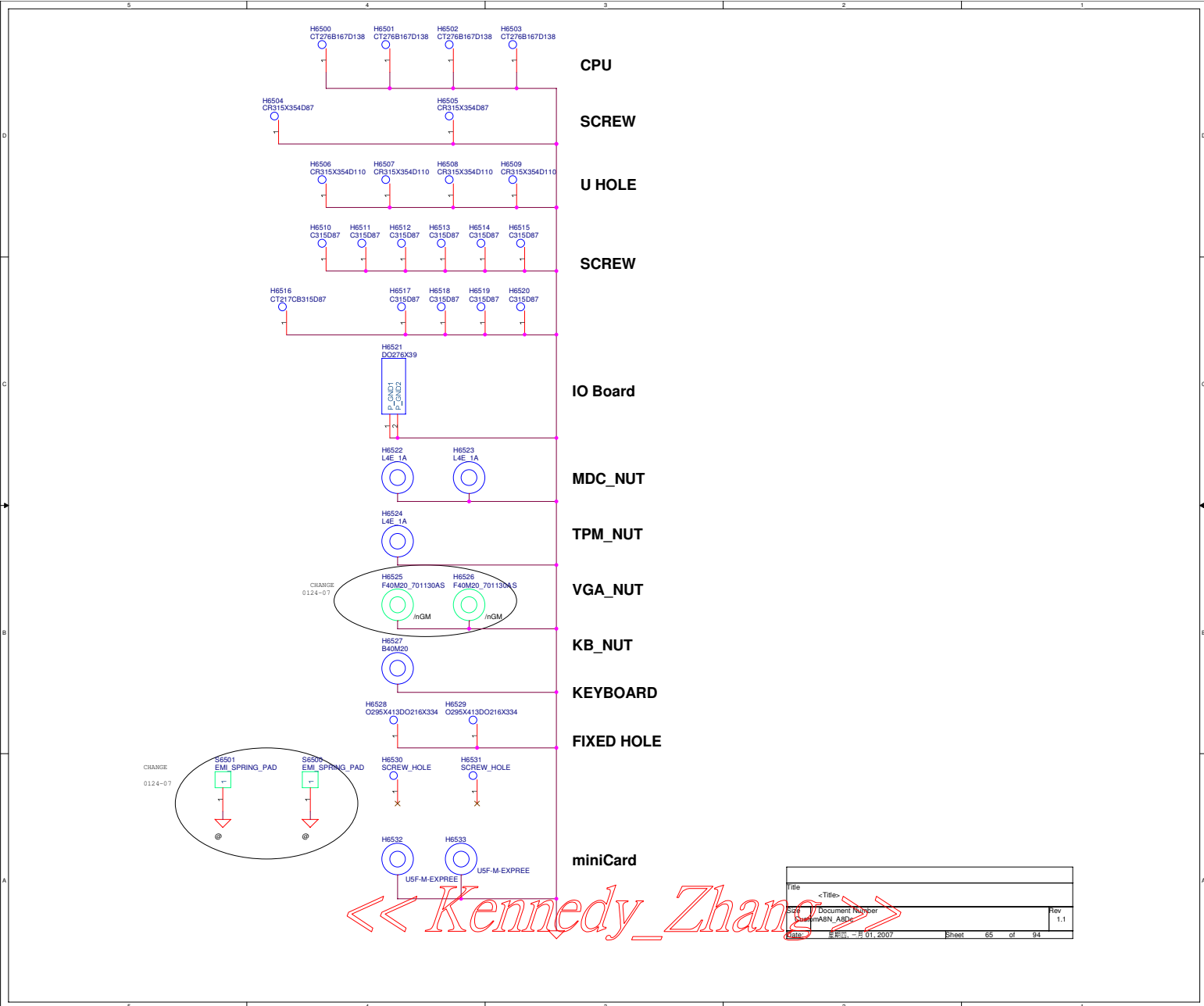
Thermal block diagram



| | | | |
|----------------------|--------------|-----------------------|-----|
| ASUS | | Title : | |
| ASUSTek COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | | Rev |
| B | A8N_A8Dc | | 1.0 |
| Date: 11/01/2007 | | Sheet 64 of 94 | |

<< Kennedy_Zhang >>

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

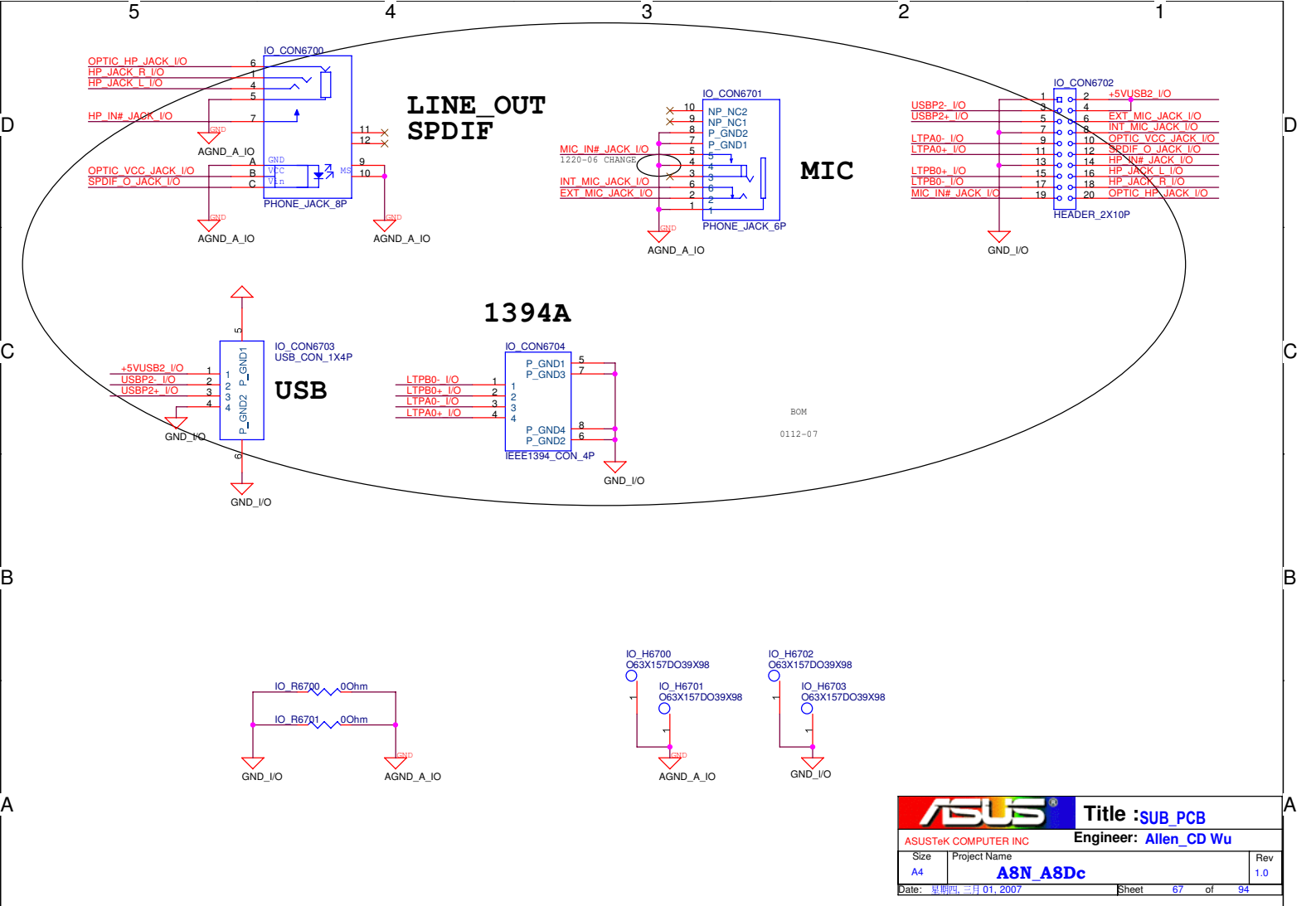


<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料

| | | | |
|---|--------------|-----------------------|----------|
|  | | Title : BLANK | |
| ASUSTek COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size | Project Name | | Rev |
| B | A8N A8Dc | | 0 |
| Date: 8/20/07 11:01:2007 | | Sheet | 66 of 94 |

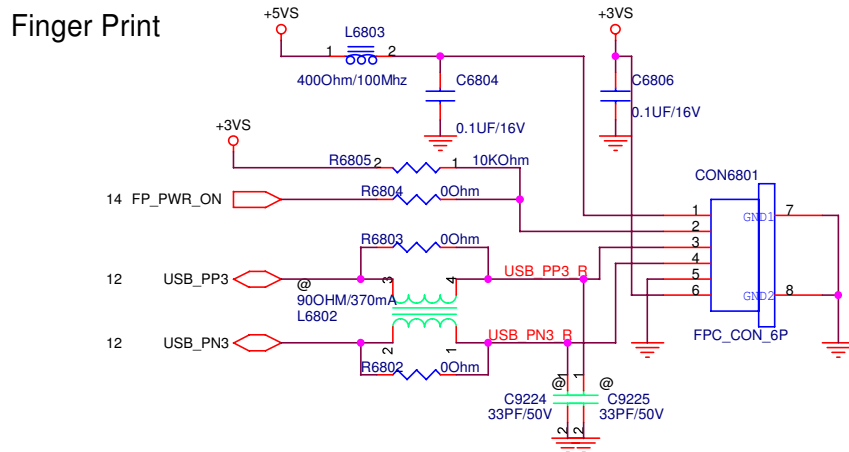
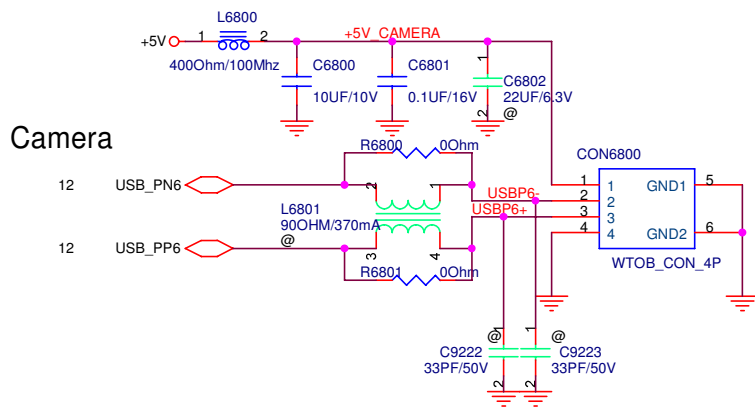
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| | | | |
|------------------------|---------------------------------|------------------------------------|------------|
| ASUS | | Title :CAMERA/FingerPrinter | |
| ASUSTeK COMPUTER INC | | Engineer: Allen_CD Wu | |
| Size A | Project Name A8N_A8Dc | | Rev 1.0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 60 | of 94 |

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| | | | |
|---|--------------------------|----------------|----------|
|  | | Title : BLANK | |
| ASUSTeK COMPUTER INC | | Engineer: | |
| Size A | Project Name A8N_A8Dc | | Rev 0 |
| Date: 星期四, 三月 01, 2007 | | Sheet 69 of 94 | |

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<< Kennedy_Zhang >>

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| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABC | 1.0 |
| Date | 2007-01-01 | Sheet 71 of 94 |

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

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| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABDc | 1.0 |
| Date | 2007.01.01 | Sheet 72 of 94 |

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

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<< Kennedy_Zhang >>

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|-------|-----------------|----------------|
| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABDc | 1.0 |
| Date | 2007.01.01 | Sheet 73 of 94 |

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

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<< Kennedy_Zhang >>

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|-------|-----------------|----------------|
| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABC | 1.0 |
| Date | 2007-01-01 | Sheet 74 of 94 |

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

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| | | |
|-------|-----------------|----------------|
| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABDc | 1.0 |
| Date | 日期: 01, 2007 | Sheet 75 of 94 |

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

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<< Kennedy_Zhang >>

| | | |
|-------|-----------------|----------------|
| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABDc | 1.0 |
| Date | 2007.01.01 | Sheet 76 of 94 |

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QQ:52643956 笔记本维修资料

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<< Kennedy_Zhang >>

| | | |
|-------|-----------------|----------------|
| Title | | |
| TITLE | | |
| Size | Document Number | Rev |
| A3 | ABN_ABDc | 1.0 |
| Date | 2007.01.01 | Sheet 77 of 94 |

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

| | | | |
|---|--------------------------|----------------|----------|
|  | | Title : BLANK | |
| ASUSTek COMPUTER INC | | Engineer: | |
| Size B | Project Name A8N A8Dc | | Rev 0 |
| Date: 8/20/04 - 11/01/2007 | | Sheet 78 of 94 | |

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Change Note:

EE :

1. Reference name without 0 tail
2. Synchronize component size and type
3. Remove 0 ohm serial resistor
- 4.
- 5.
- 6.
- 7.
- 8.

Layout :

1. PCI MOAT
2. Equalize Crystal and PCI Clock Length
3. VGA Board
4. PCI-E Thread

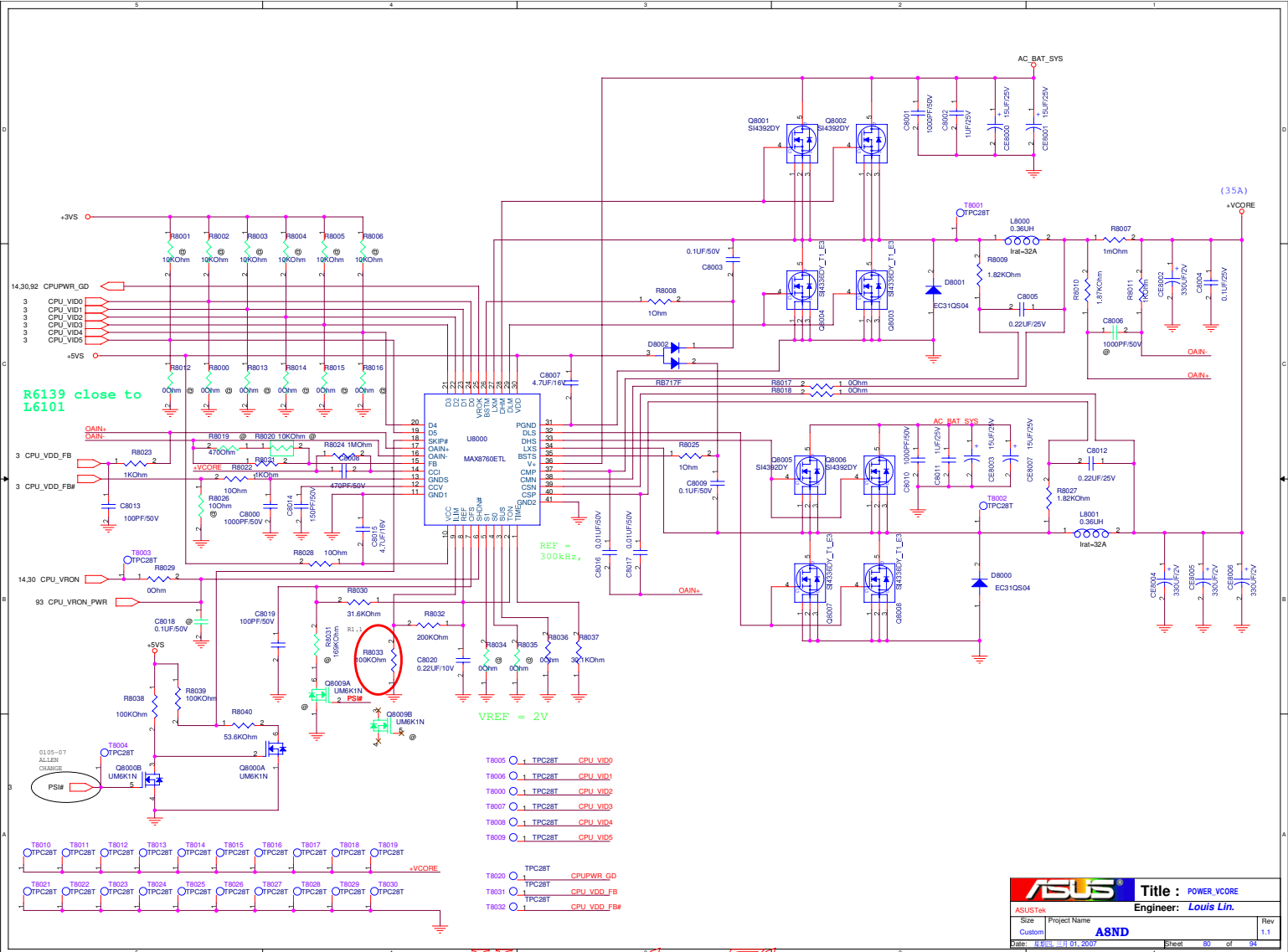
SMT :

- 1.

| | | | |
|---|-----------------|------------------------------|-----|
|  | | Title : <u>History</u> | |
| ASUSTeK COMPUTER INC. | | Engineer: <u>Allen_CD Wu</u> | |
| Size | Project Name | | Rev |
| Custom | A8N A8Dc | | 1.0 |
| Date: 星期日, 二月 01, 2009 | | Sheet 79 of 94 | |

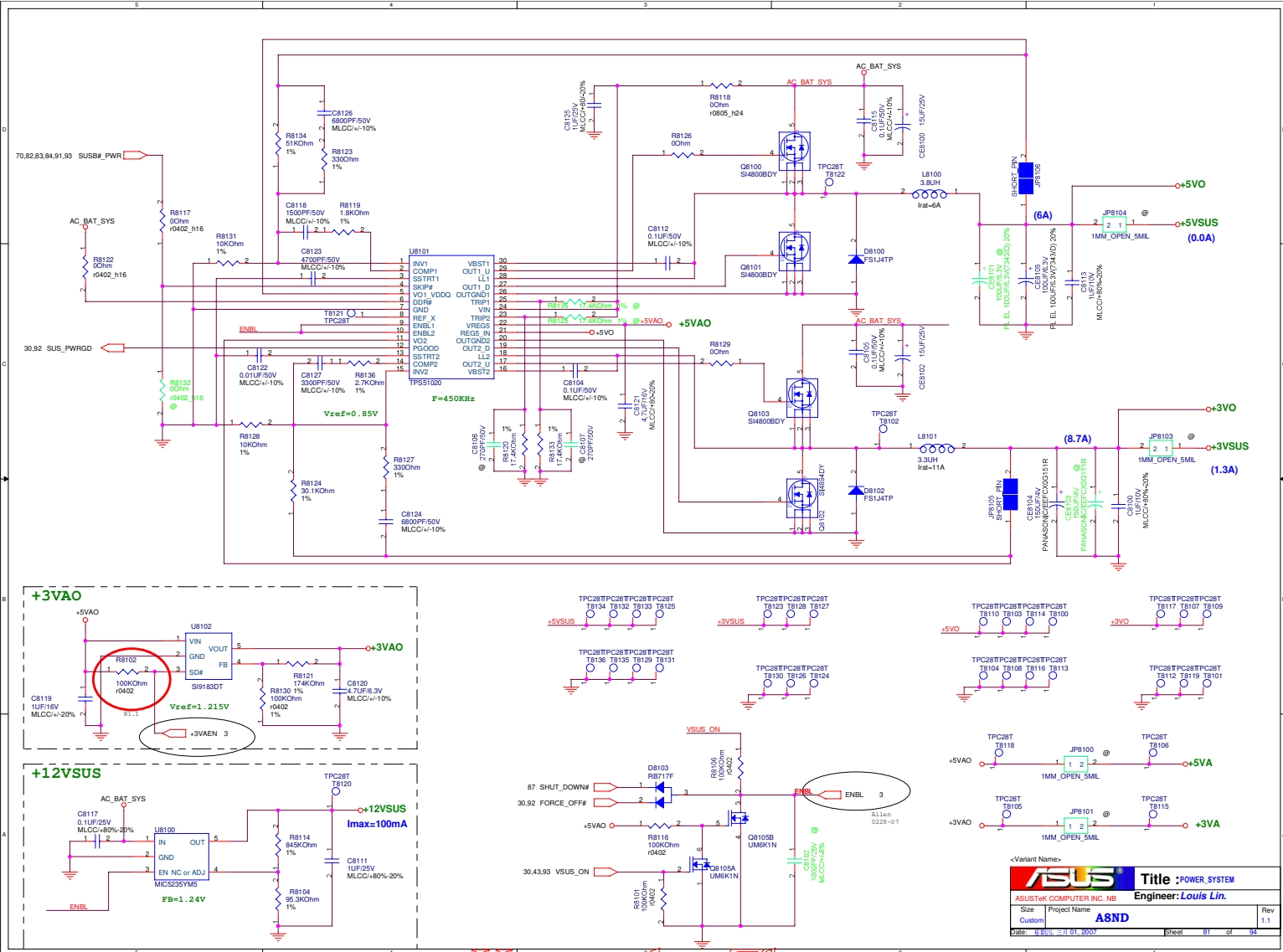
<< Kennedy_Zhang >>

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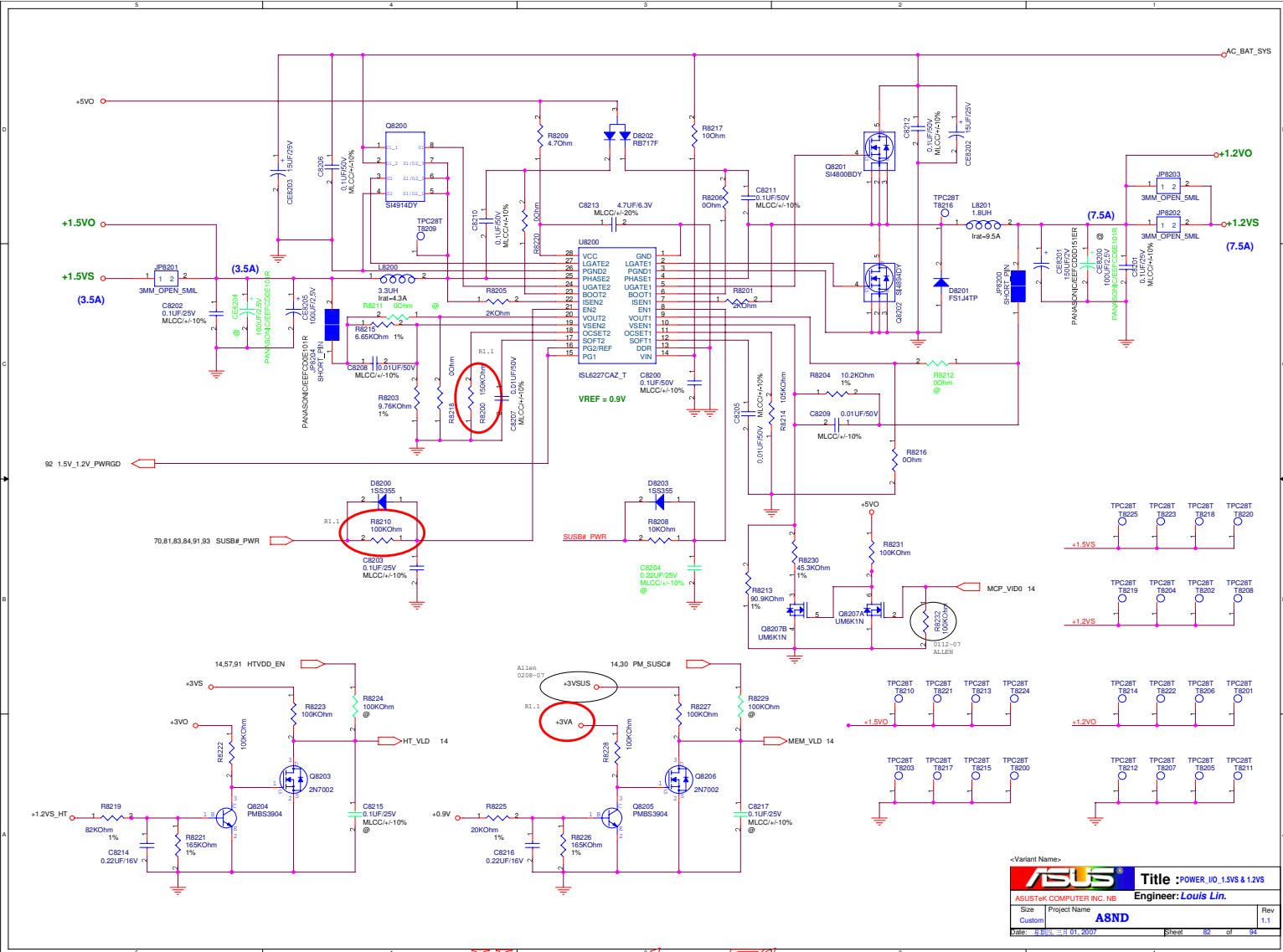
<< Kennedy_Zhang >>

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<< Kennedy_Zhang >>

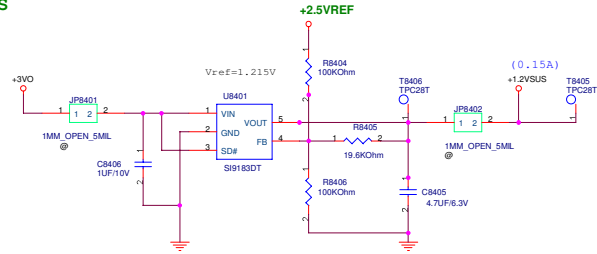
<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料



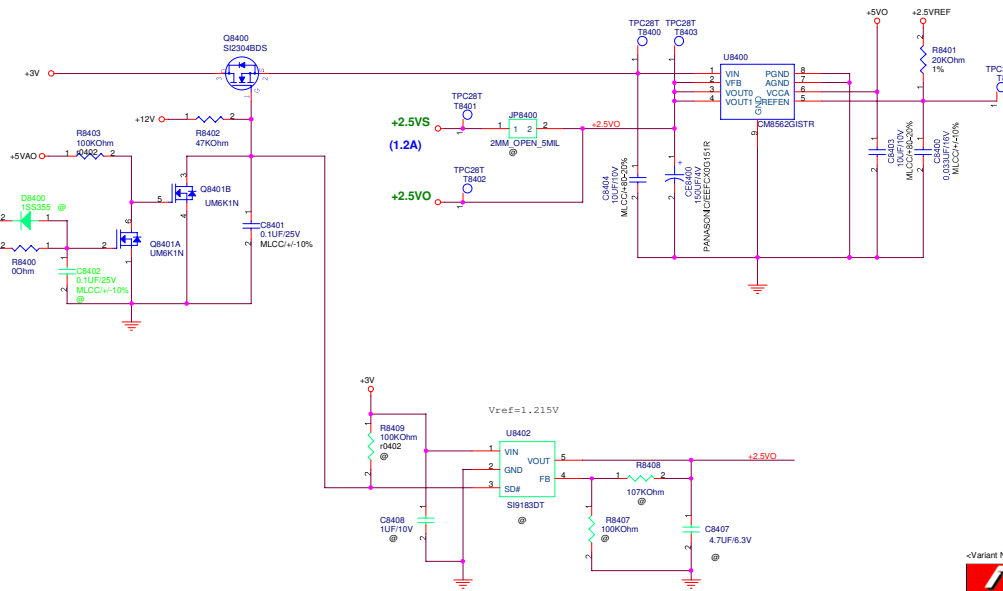
<< Kennedy_Zhang >>

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+1.2VSUS



+2.5VS



<Variant Name>



Title : POWER_IQ_+1.2VSUS & +2.5V

<OrigName>

Engineer: Louis Lin.

Size Custom

Project Name A8ND

Date: 2007-01-01

Rev 1.1

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| | | | |
|------------------------|--------------|---------------------------------|----------|
| <Variant Name> | | Title : POWER_VGA_CORE & +1.2V0 | |
| <Signature> | | Engineer: Louis Lin | |
| Size | Project Name | Rev | |
| C | ARND | 1.1 | |
| Date: 2008-12-01 09:00 | | Sheet | 85 of 85 |

<< Kennedy_Zhang >>

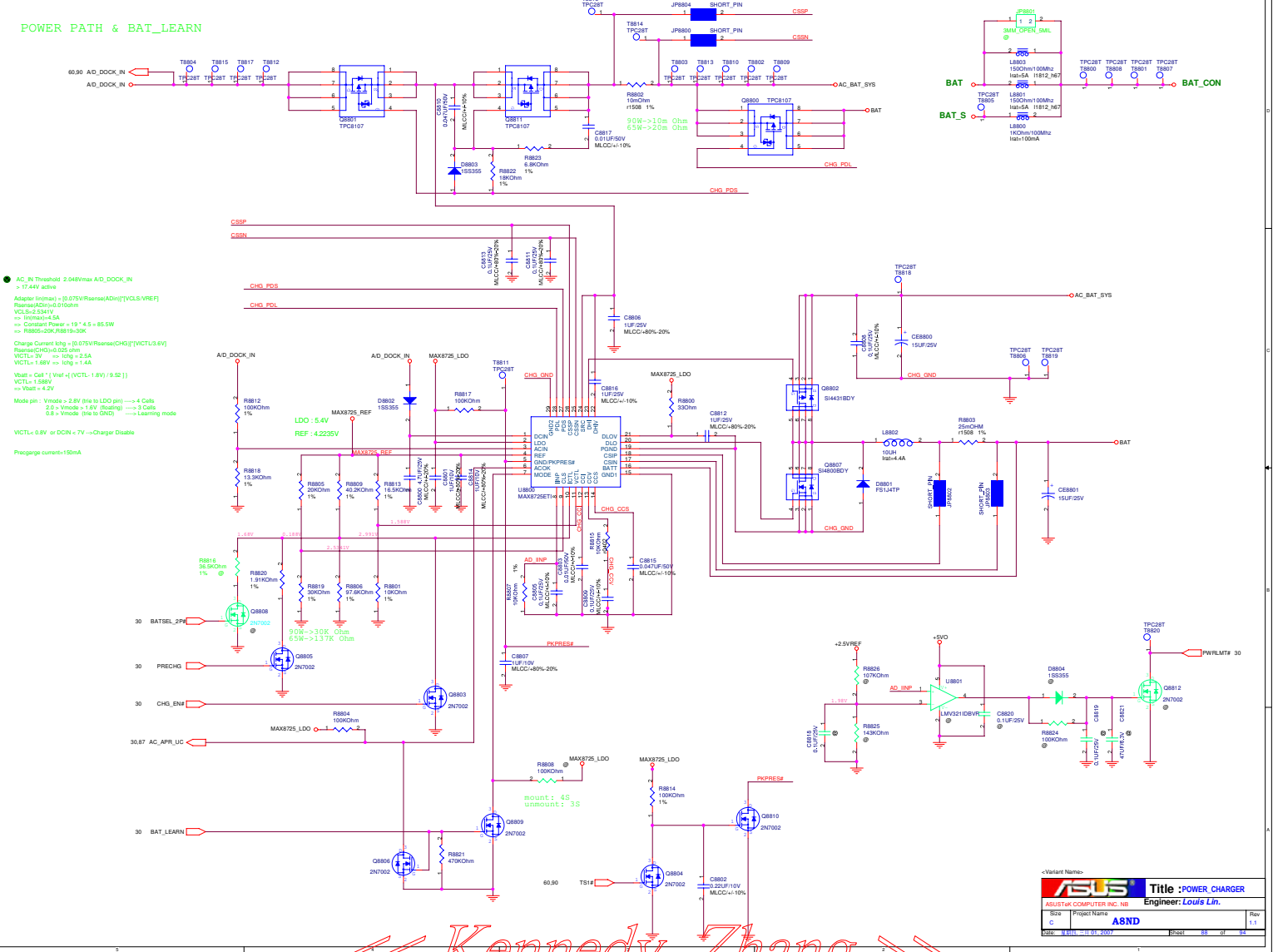
<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料

| | | | |
|-----------------|----------------------|-------------|--|
| ASUS | | Title : N/A | |
| <OrgName> | | Engineer: | |
| Size B | Project Name A8ND | Rev 1.1 | |
| Date: 8/25/2007 | Sheet 86 | of 94 | |

<< Kennedy_Zhang >>


POWER PATH & BAT_LEARN

● AC_IN Threshold: 2.648Vmax AD_DOCK_IN
 > 17.44V active
 Adapter In(max) = (0.075V/Rsense/ADIN)/(VCL5/VREF)
 Resense/ADIN=0.010ohm
 VCL5=5.544V
 => In(max)=4.5A
 => Constant Power = 19 * 4.5 = 85.5W
 => R8805=20K,R8819=20K
 Charge Current Ichg = (0.075V/Rsense/CHG)/(VCTL5/VREF)
 Resense/CHG=0.025ohm
 VCTL5=5.544V
 => Ichg = 2.5A
 VCTL1=1.88V => Ichg = 1.4A
 Vbat = Cell * (Vref - (VCTL1 - 1.8V) / 9.52)
 VCTL1 = 5.58V
 => Vbat = 4.2V
 Mode pin : Vmode > 2.8V (Pin to LDO pin) => 4 Cells
 2.8 > Vmode > 1.8V (Boat) => 3 Cells
 0.8 > Vmode (Pin to GND) => Learning mode
 VCTL4 0.8V or DCIN < 7V => Charger Disable
 Precharge current=150mA



| | | |
|--------------------------|----------------|----------------------|
| ASUS | | Title :POWER CHARGER |
| ASUSTeK COMPUTER INC. NE | | Engineer: LOUIS LIN. |
| Size | Project Name | Rev |
| C | A8ND | 1.1 |
| Doc | 1001-1001-0001 | ESD |

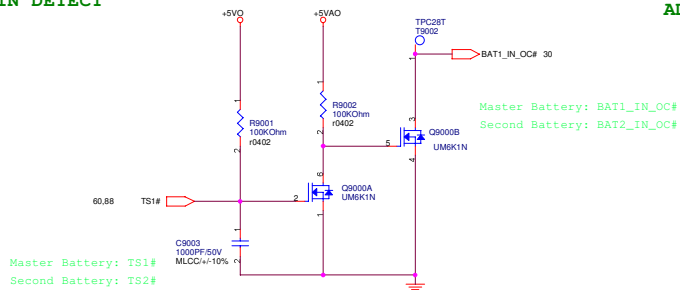
<http://shop36609371.taobao.com/>
 QQ:52643956 笔记本维修资料

| | | | | |
|---|--------------|--|-------------------|--|
| <Variant Name> | | | Title : NA | |
|  | | | Engineer: | |
| <OrigName> | | | | |
| Size | Project Name | | Rev | |
| Custom | A8ND | | 1.1 | |
| Date: 2010-01-01 01:20:07 | | | Sheet 89 of 94 | |

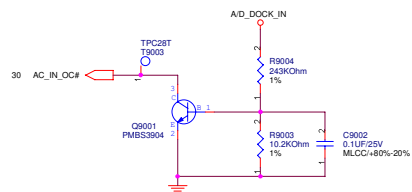
<< Kennedy_Zhang >>

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

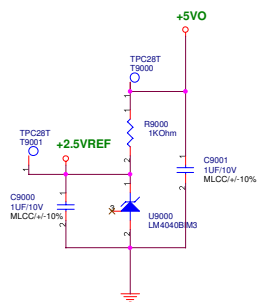
BATTERY IN DETECT



ADAPTER IN DETECT



+2.5VREF

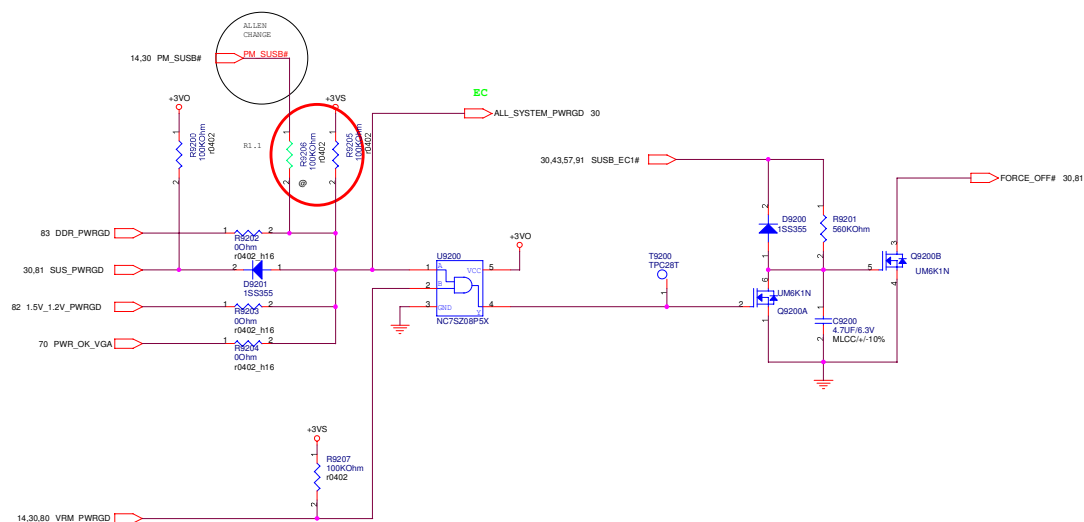


| | | | |
|--------------------------|--------------|-----------------------------|----------|
| <Variant Name> | | | |
| ASUS | | Title :POWER_DETECT | |
| ASUSTeK COMPUTER INC. NB | | Engineer: Louis Lin. | |
| Size | Project Name | Rev | |
| Custom | A8ND | 1.1 | |
| Date: 2007.01.01 | | Sheet | 90 of 94 |

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POWER GOOD DETECTOR



«Variant Names»



Title : POWER PROTECT

Engineer: *Louis Lin.*

| Size | Project Name |
|------|--------------|
|------|--------------|

A8ND

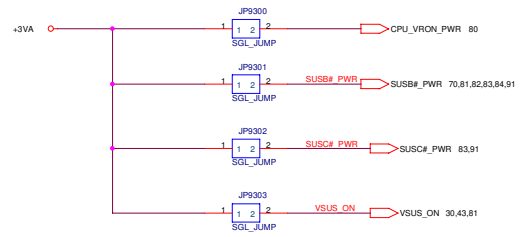
Date: 星期四, 三月 01, 2007

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<< Kennedy_Zhang >>

| | | |
|------------|------------|--|
| AC_BAT_SYS | AC_BAT_SYS | 45,70,80,81,82,83,87,88 |
| BAT | BAT | 88 |
| BAT_CON | BAT_CON | 60,88 |
| +2.5VREF | +2.5VREF | 84,87,88,90 |
| +3VA | +3VA | 13,14,30,57,81,82 |
| +5VAD | +5VAD | 81,84,90 |
| +5VO | +5VO | 81,82,83,84,88,90,91 |
| +5VSUS | +5VSUS | 56,81,87 |
| +5V | +5V | 3,8,43,52,57,68,70,91 |
| +5VS | +5VS | 15,31,36,38,46,47,50,51,56,57,68,80,91 |
| +3VO | +3VO | 81,82,84,91,92 |
| +3VSUS | +3VSUS | 3,10,11,12,13,14,30,33,43,53,57,81,82 |
| +3V | +3V | 34,43,45,53,56,57,81,82,84,91 |
| +3VS | +3VS | 3,7,8,10,11,12,13,14,15,30,36,38,40,41,42,43,45,46,47,49,50,51,53,55,57,62,68,70,80,82,91,92 |
| +12VSUS | +12VSUS | 81,91 |
| +12V | +12V | 38,42,52,57,84,91 |
| +12VS | +12VS | 38,45,57,70,91 |
| +1.8VO | +1.8VO | 70,83,91 |
| +1.8V | +1.8V | 3,5,7,8,9,57,83 |
| +1.8VS | +1.8VS | 3,11,57,91 |
| +0.9VS | +0.9VS | 91 |
| +0.9VO | +0.9VO | 83,91 |
| +1.5VO | +1.5VO | 82 |
| +1.5VS | +1.5VS | 43,53,57,70,82 |
| +2.5VO | +2.5VO | 84 |
| +2.5VS | +2.5VS | 3,57,70,84 |
| +VDDRE | +VDDRE | 5,80 |
| +1.25VS | +1.25VS | |
| +1.2VSUS | +1.2VSUS | 11,13,84 |
| +1.2VS | +1.2VS | 10,12,13,57,82 |
| +1.2VO | +1.2VO | 82,91 |

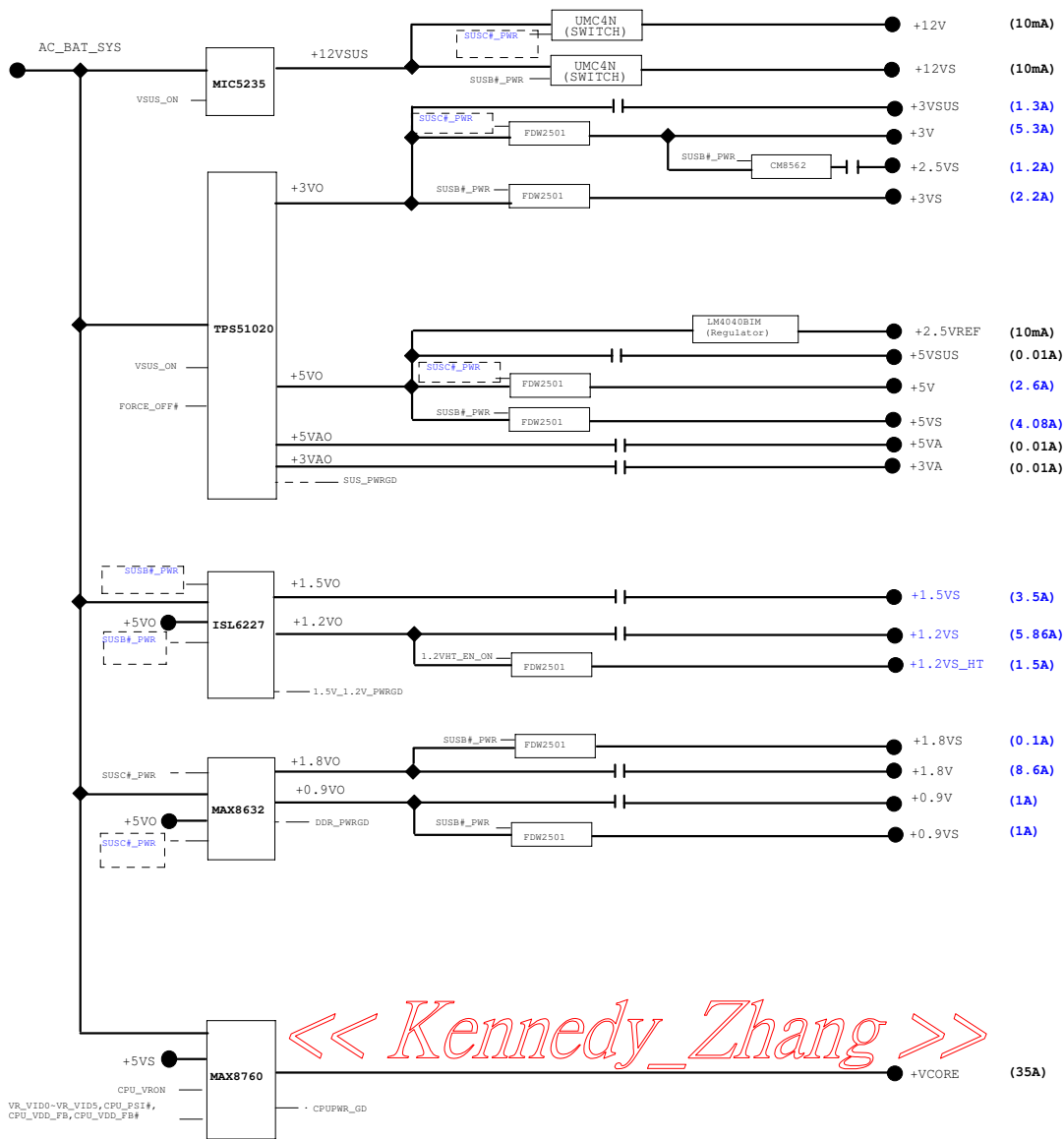
FOR POWER TEST



| | | | | |
|------------------|--------------|-----|----------------------|----|
| <Variant Name> | | | Title : POWER SIGNAL | |
| ASUS | | | Engineer: Louis Lin. | |
| Size | Project Name | Rev | | |
| Custom | A8ND | 1.1 | | |
| Date: 2007.01.01 | Sheet | 89 | of | 94 |

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|--------------------------|--------------|------------------------|----|
| ASUS | | Title: POWER FLOWCHART | |
| ASUSTAR COMPUTER INC. NB | | Engineer: Louis_Lin | |
| Size | Project Name | Rev | |
| Control | A8ND | 1.1 | |
| Date: 2008-07-01 2007 | Drawn | By | By |

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