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| 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%. | | | | | | | | | | | | | | REV | ZONE | ECN | DESCRIPTION OF CHANGE | CK APPD | ENG APPD |
| 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. | | | | | | | | | | | | | | | | | | DATE | DATE |
| 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. | | | | | | | | | | | | | | | | ? | | ? | ? |
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1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%.

2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.

3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.

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
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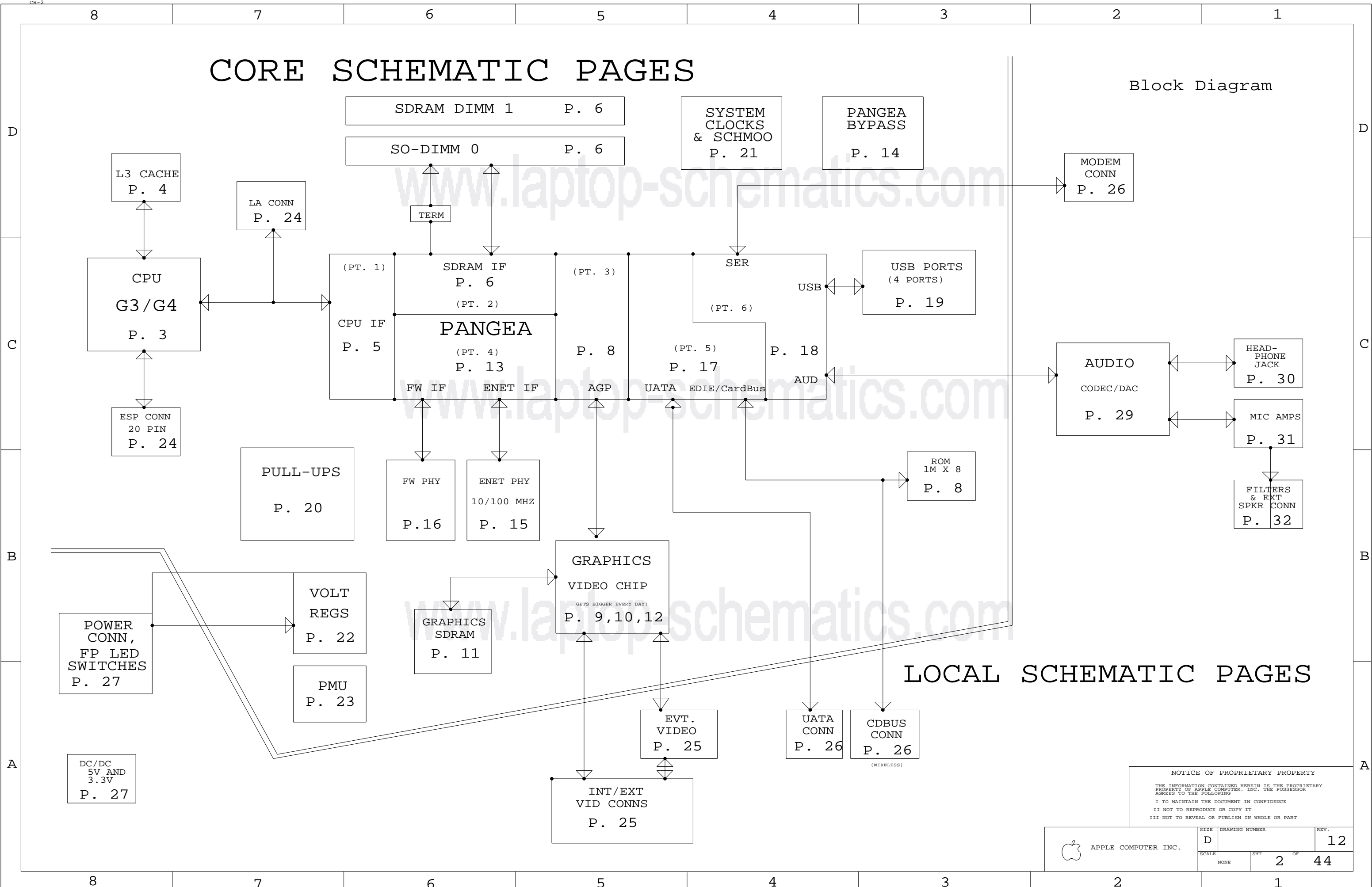
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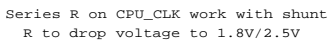
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| | RUN | SLEEP | SHUTDOWN |
|-----------|-----|-------|----------|
| +5V | ON | ON | OFF |
| +5VSD | ON | OFF | OFF |
| +12V_MAIN | ON | ON | ON |
| +12VSD | ON | OFF | OFF |
| +3.3V | ON | ON | OFF |

| | | | | | |
|---|-----------|-----------|----------------|---|-------------|
| DIMENSIONS ARE IN MILLIMETERS XX : _____ X.XX : _____ X.XXX : _____ ANGLES : _____ DO NOT SCALE DRAWING  THIRD ANGLE PROJECTION | | METRIC | | Apple Computer Inc. | |
| DRAFTER | DESIGN CK | ENG APPD | MFG APPD | NOTICE OF PROPRIETARY PROPERTY THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE COMPUTER, INC. THE POSSESSOR AGREES TO THE FOLLOWING I TO MAINTAIN THE DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IN WHOLE OR PART | |
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| MATERIAL/FINISH NOTED AS APPLICABLE | | SIZE D | DRAWING NUMBER | | |
| | | | REV. 12 | | SHT 1 OF 44 |



| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS : |
|-------------|---------------------------|------------|---------|-----------------|
| 343S0557 | 343S0194 | | U6 | 700 BALL PANGEA |

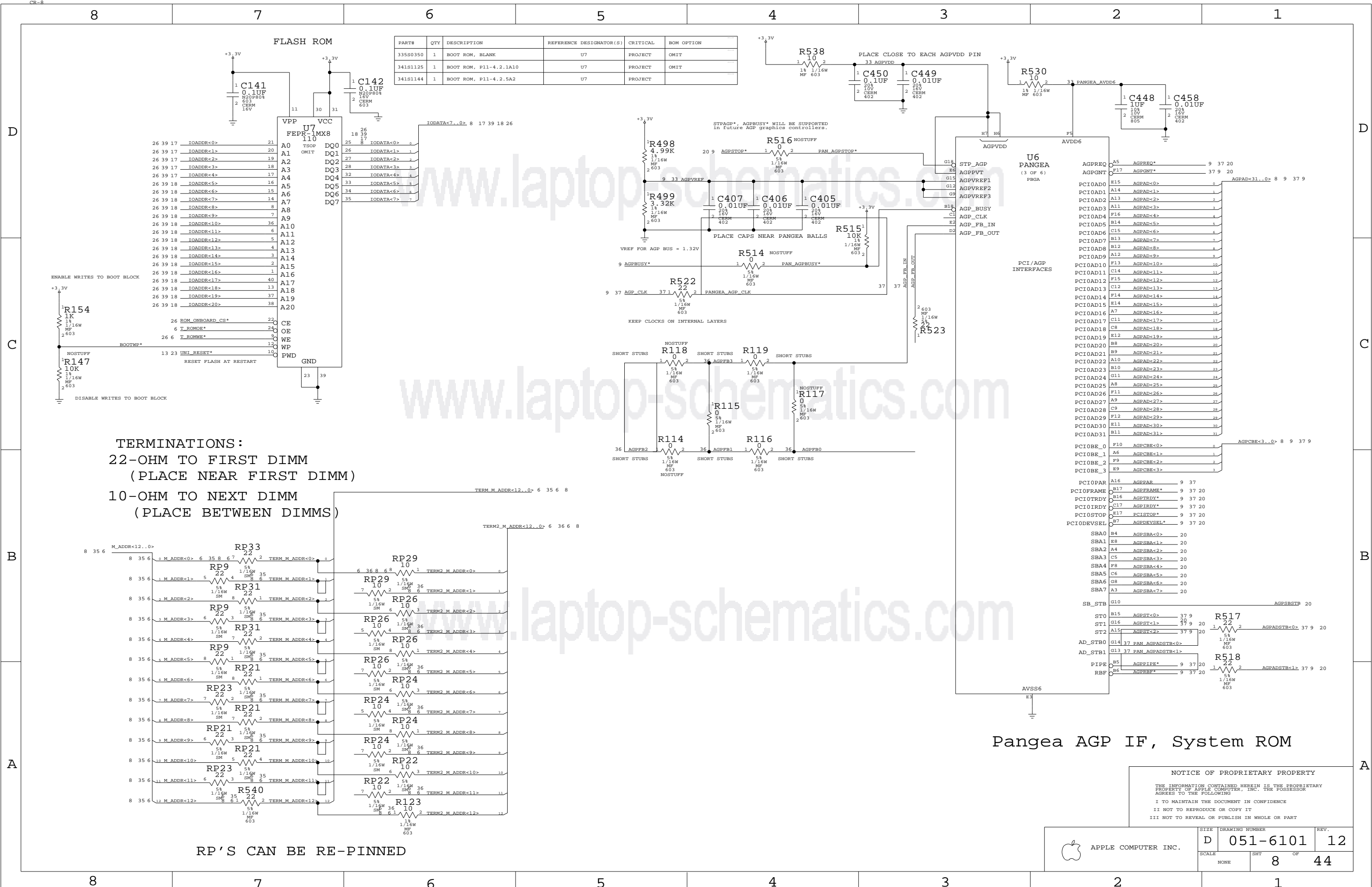


Pangea Processor IF

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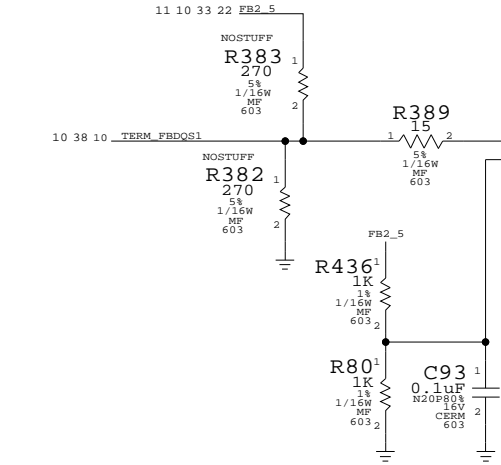


GRAPHICS SDRAMS - 16/32 MB

| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS : |
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| 333S0055 | 333S0006 | SAMSUNG_SGRAM | U3,U21 | 2MX32,2.5VCC,183MHZ |

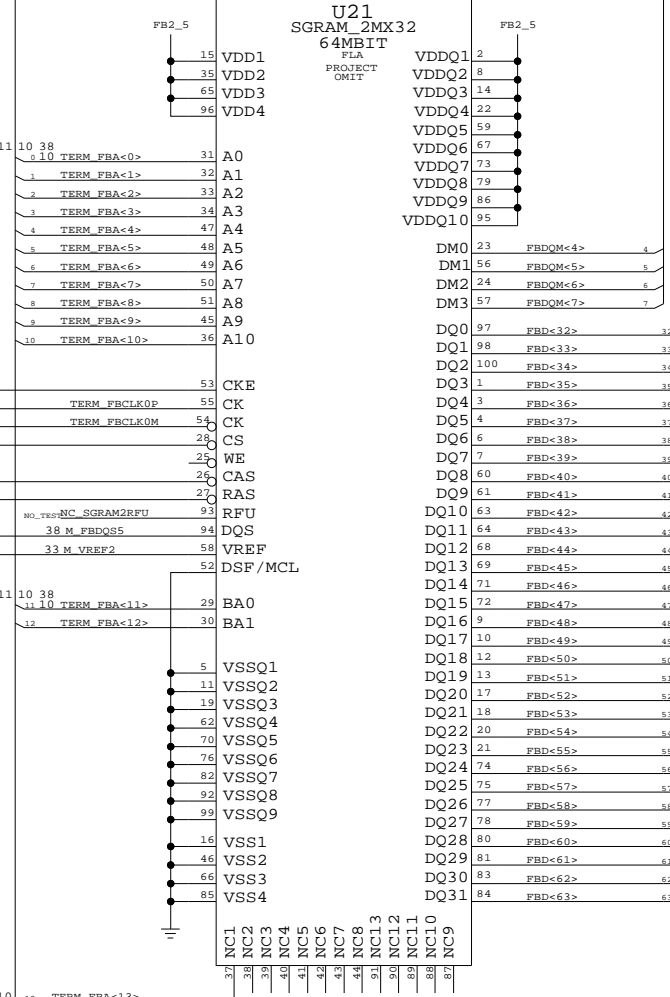
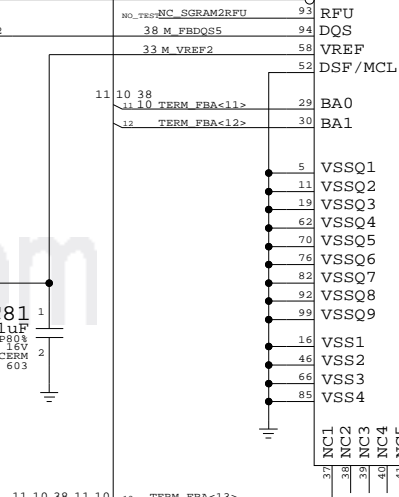
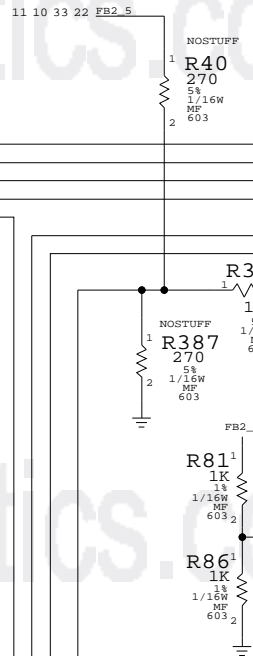
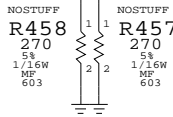
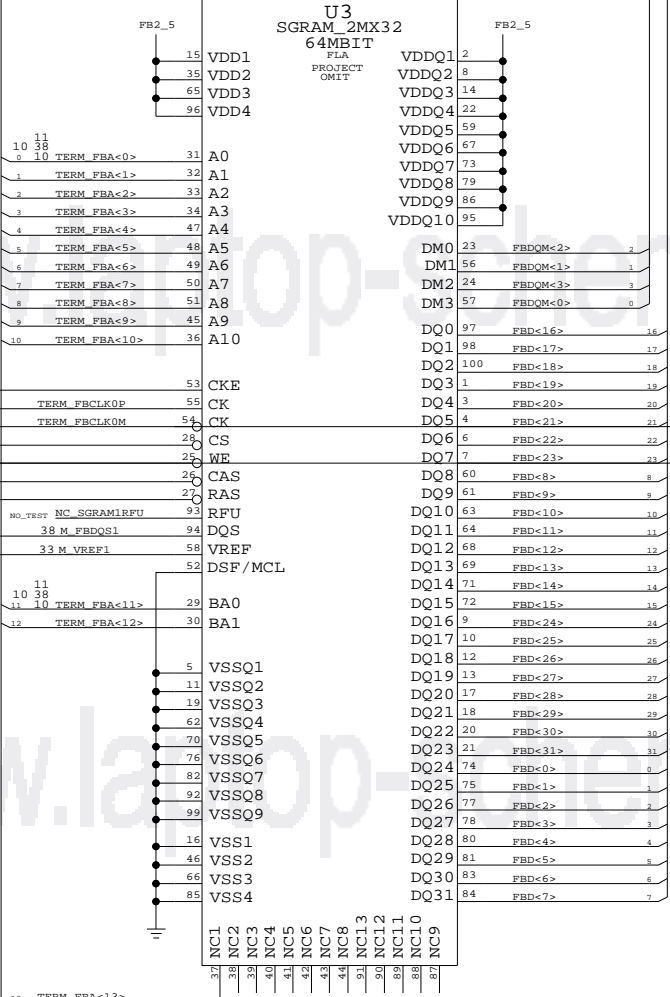
| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------------------|-------------------------|----------|---------------|
| 333S0075 | 2 | IC,SGRAM,DDR,2MX32,125MHZ,100P | TQFP, NO DLL U3,U21 | PROJECT | OMIT |
| 333S0076 | 2 | IC,SGRAM,DDR,2MX32,143MHZ,100P | TQFP, NO DLL U3,U21 | PROJECT | OMIT |
| 333S0077 | 2 | IC,SGRAM,DDR,2MX32,166MHZ,100P | TQFP, NO DLL U3,U21 | PROJECT | OMIT |
| 333S0003 | 2 | IC,SDRAM,2MX32,DLL,143MHZ,100P | TQFP (SAM) U3,U21 | PROJECT | OMIT |
| 333S0004 | 2 | IC,SDRAM,2MX32,DLL,166MHZ,100P | TQFP (SAM) U3,U21 | PROJECT | OMIT |
| 333S0005 | 2 | IC,SDRAM,2MX32,2.5VCC,143MHZ,100P | TQFP (M-H) U3,U21 | PROJECT | OMIT |
| 333S0006 | 2 | IC,SDRAM,2MX32,2.5VCC,166MHZ,100P | TQFP (M) U3,U21 | PROJECT | M-H_SGRAM |
| 333S0006 | 2 | IC,SDRAM,2MX32,DLL,166MHZ,100P | TQFP (SAM) U3,U21 | PROJECT | SAMSUNG_SGRAM |

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11 38 10 FBDQM<7..0>
11 10 38 11 10 TERM_FBA<13..0>



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11 10 37 11 10 37 TERM_FBCLKOP
11 10 37 11 10 37 TERM_FBCLKOM

10 38 TERM_FBCS0*
10 38 TERM_FBWE*
10 38 TERM_FBCAS*
10 38 TERM_FBRAS*
10 38 10 TERM_FBDQS5



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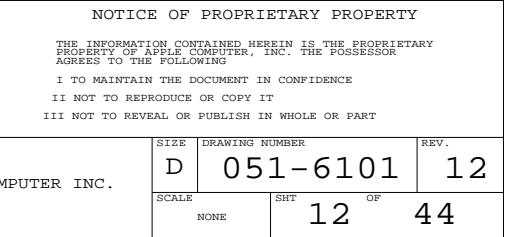
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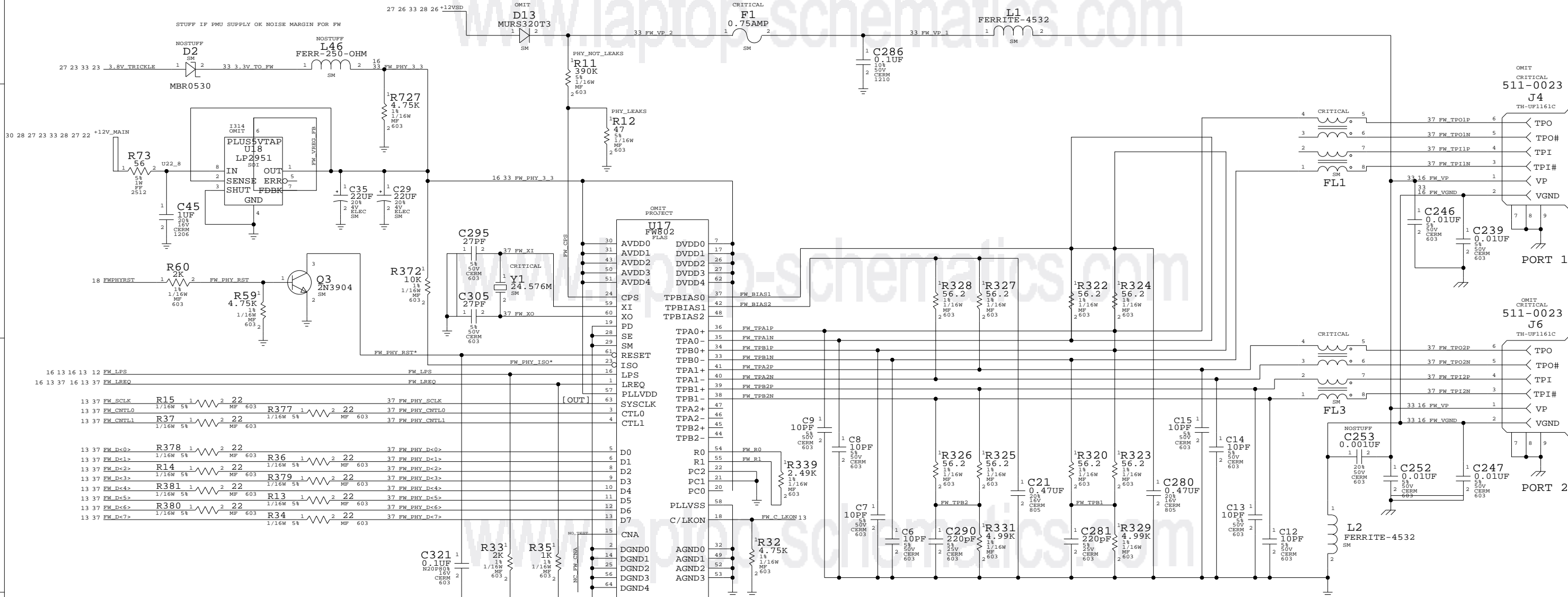
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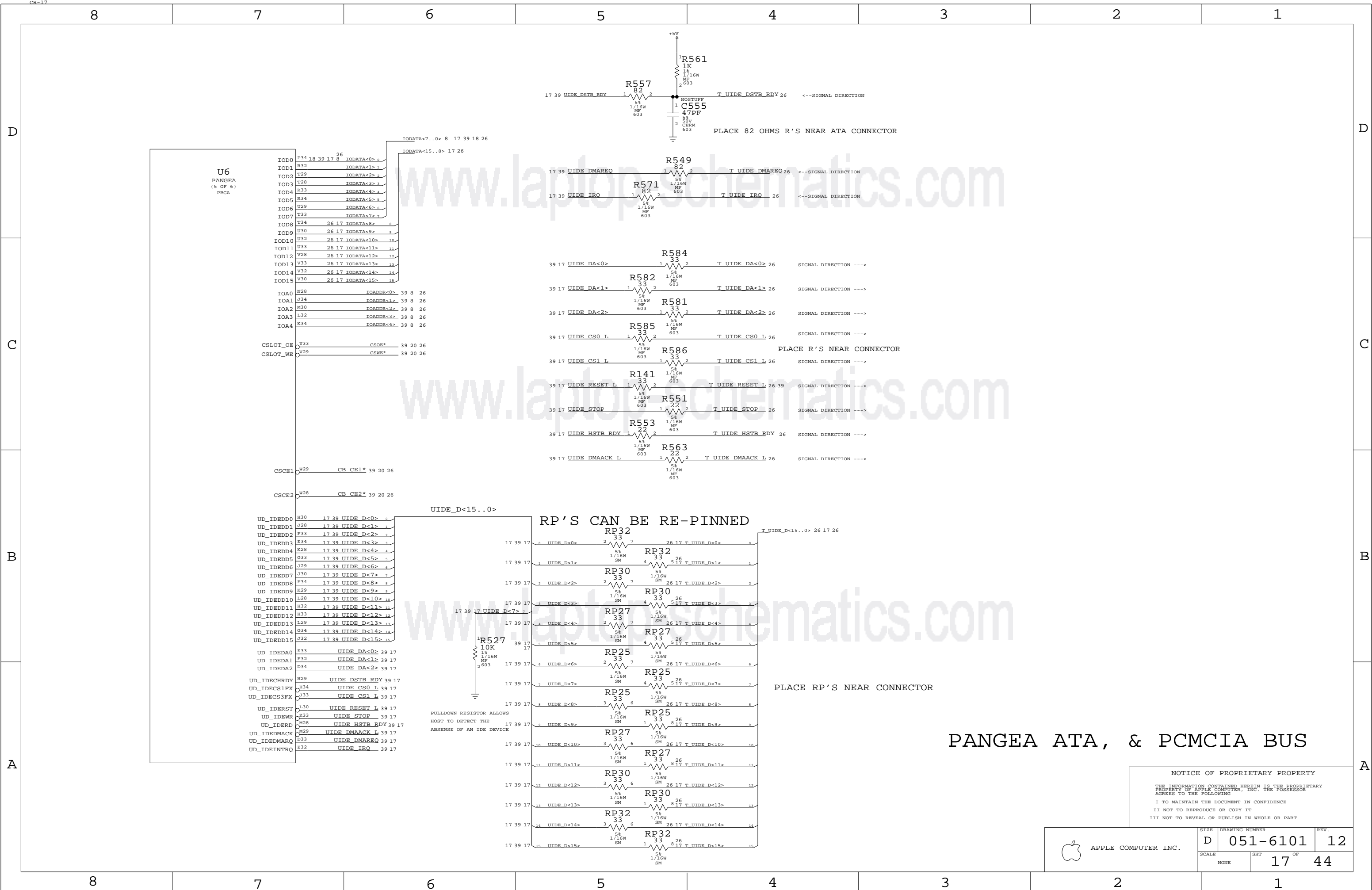


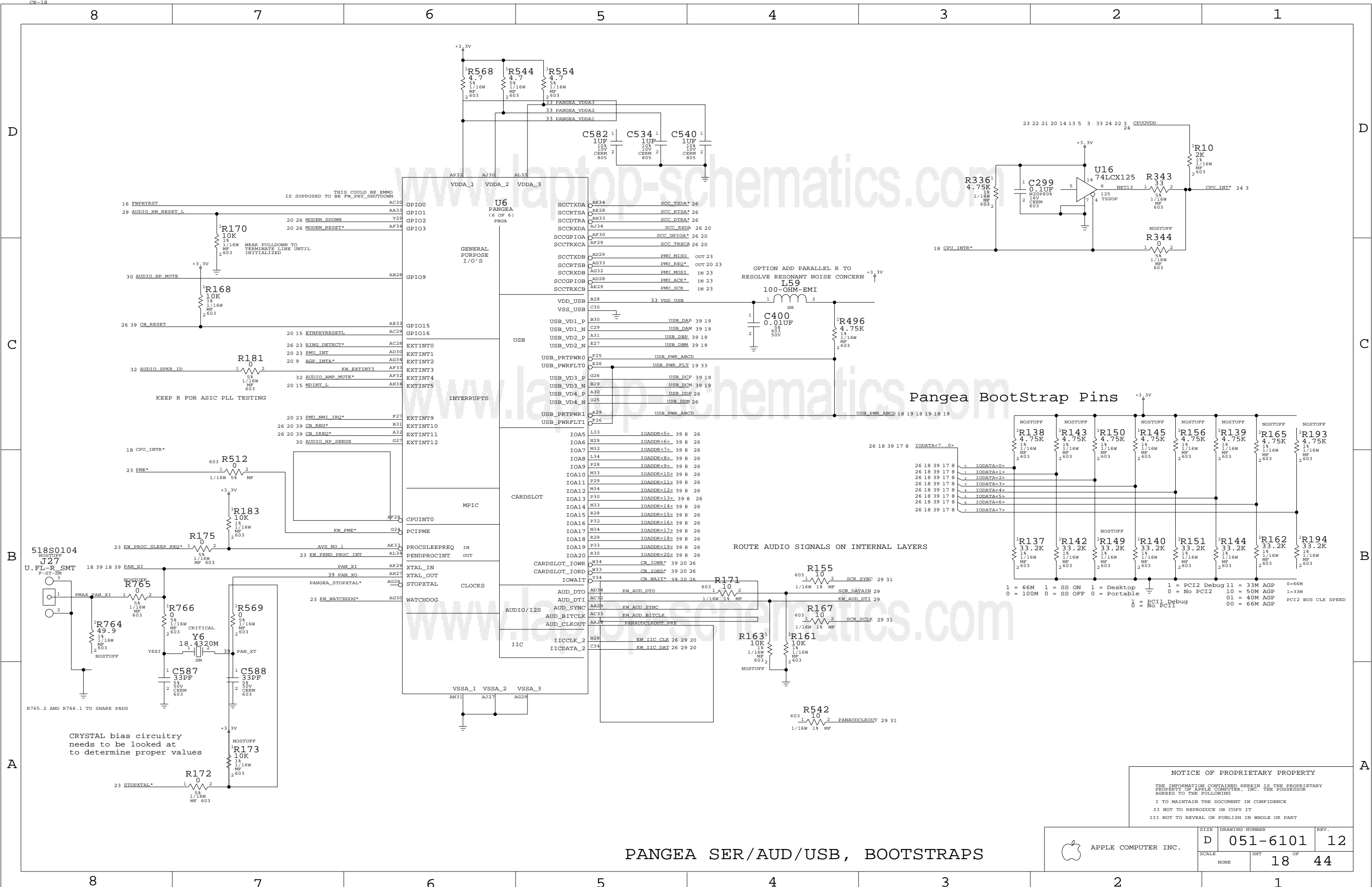


Firewire PHY and Termination

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------------------|-------------------------|----------|------------|
| 338S0018 | 1 | FLAS-64W431-H63,2PORT FW PHY,FW802A | REV A U17 | PROJECT | |
| 337S0509 | 1 | FLAS-64W431-H63,2PORT FW PHY,FW802 | REV 9 U17 | PROJECT | OMIT |
| 371S0058 | 1 | DIODE,FAST RECOVERY,200V,3A,SMD | D13 | | |
| 353S0094 | 1 | 5V FIXED/ADJ VREG, SOI-8 | U18 | PROJECT | OMIT |
| 353S0275 | 1 | 3.3V FIXED/ADJ VREG, SOI-8 | U18 | PROJECT | |
| 514-0023 | 2 | CORN,RCPT,R/A,1394,NOPLANGES,NMP,6P | J4,J6 | CRITICAL | |







PANGEA SER/AUD/USB, BOOTSTRAPS

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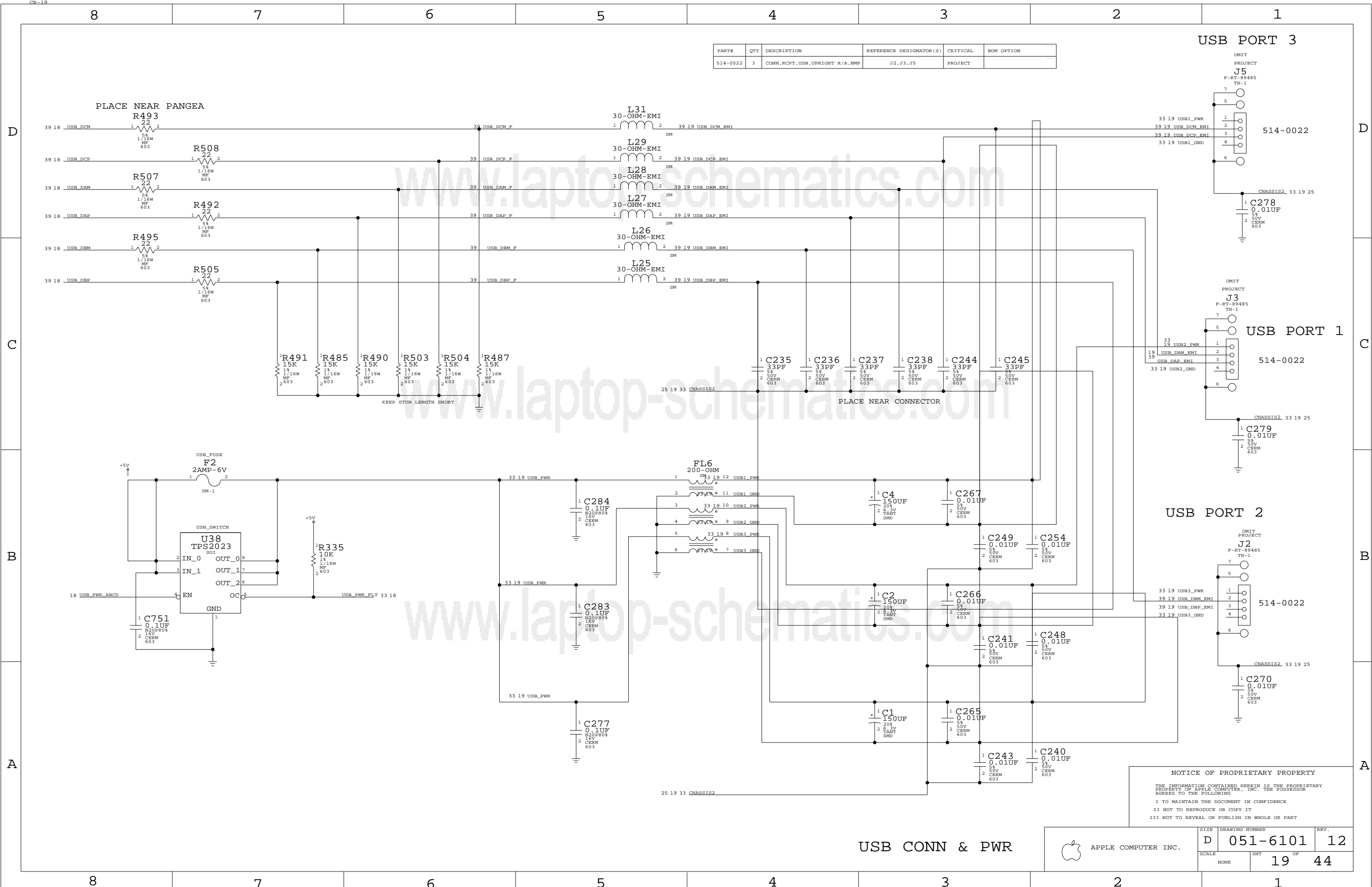
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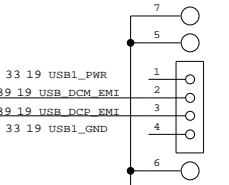
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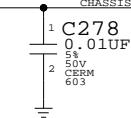
| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
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| 514-0022 | 3 | CONN,RCPT,USB,UPRIGHT R/A,NMP | J2,J3,J5 | PROJECT | |

USB PORT 3

OMIT
PROJECT
J5
F-RT-89485
TH-1

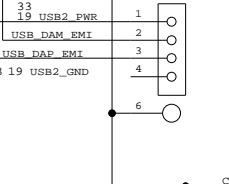


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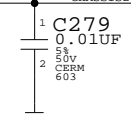


OMIT
PROJECT
J3
F-RT-89485
TH-1

USB PORT 1

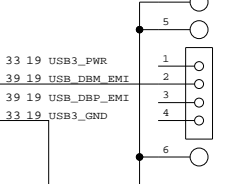


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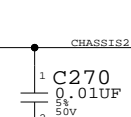


USB PORT 2

OMIT
PROJECT
J2
F-RT-89485
TH-1



514-0022



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USB CONN & PWR



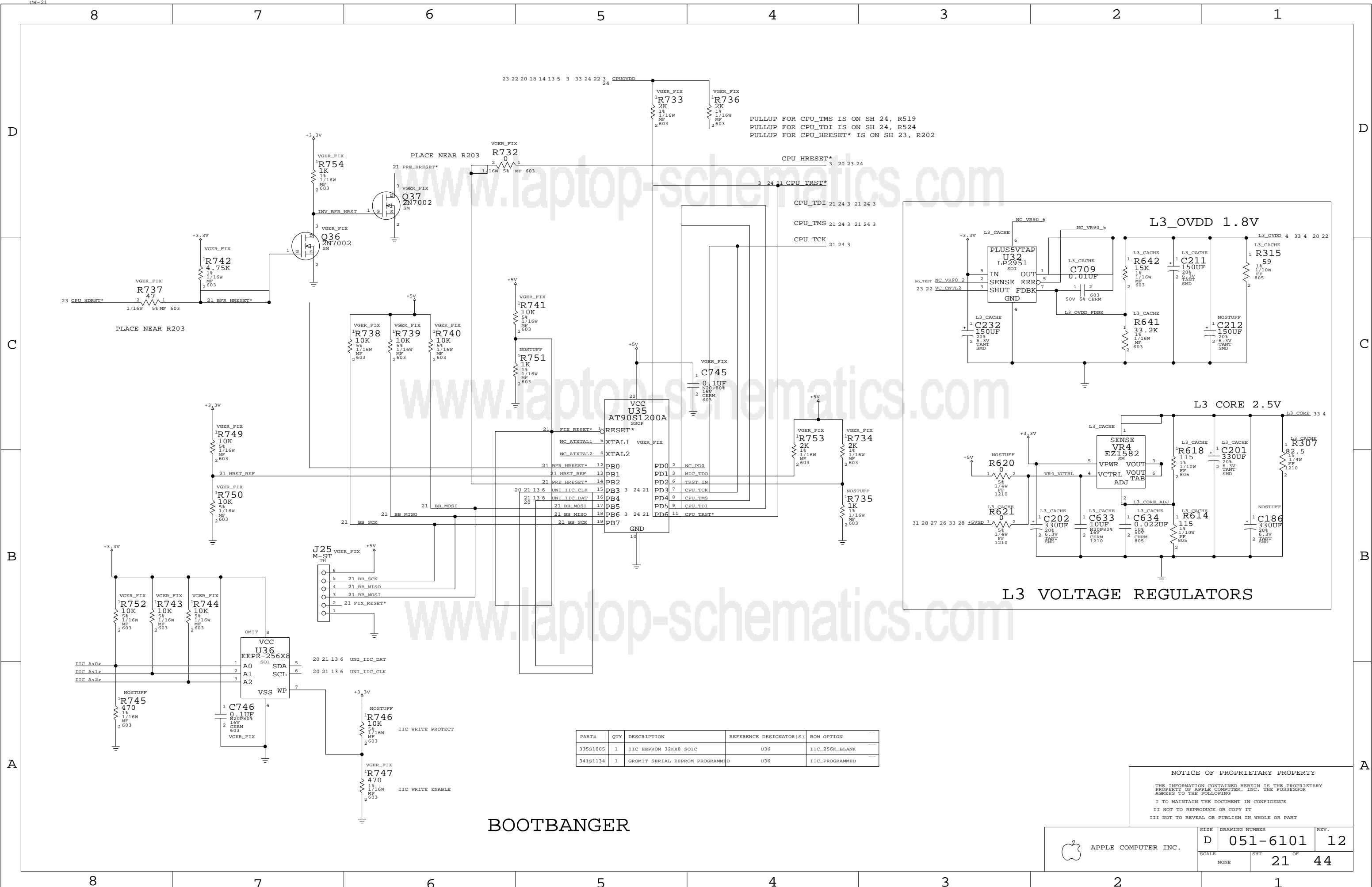
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PANGEA PULLUPS

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| BMODE | MSSCR0 | Sys | Vger | Addr | | | | | |
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| L | L | 1 | 0 | Max | 01 | yes | unavail | | |
| L | L | 1 | 1 | ??? | 00 | yes | unavail | | |
| L | L | 1 | 0 | Max | 00 | yes | unavail | | |
| 1hr | L | 0 | 1 | MB+ | 01 | yes | unavail | | |
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| 1hr | 1hr | 0 | 1 | MB+ | 00 | yes | unavail | | |
| 1hr | 1hr | 0 | 0 | 60x | 00 | yes | unavail | | |
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| 1hr | 1hr | 1 | 1 | ??? | 00 | norm | unavail | | |
| 1hr | H | 1 | 0 | Max | 00 | norm | unavail | | |
| H | 1 | 1 | 1 | ??? | 01 | norm | unavail | | |
| H | 1hr | 0 | 0 | MB+ | 01 | norm | unavail | | |
| H | 1hr | 0 | 1 | 60x | 01 | norm | unavail | | |
| H | H | 0 | 0 | Max | 00 | norm | unavail | | |
| H | H | 0 | 1 | 60x | 00 | norm | unavail | | |



| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | BOM OPTION |
|----------|-----|---------------------------------|-------------------------|----------------|
| 335S1005 | 1 | IIC EEPROM 32KX8 SOIC | U36 | IIC_256K_BLANK |
| 341S1134 | 1 | GROMIT SERIAL EEPROM PROGRAMMED | U36 | IIC_PROGRAMMED |

NOTICE OF PROPRIETARY PROPERTY

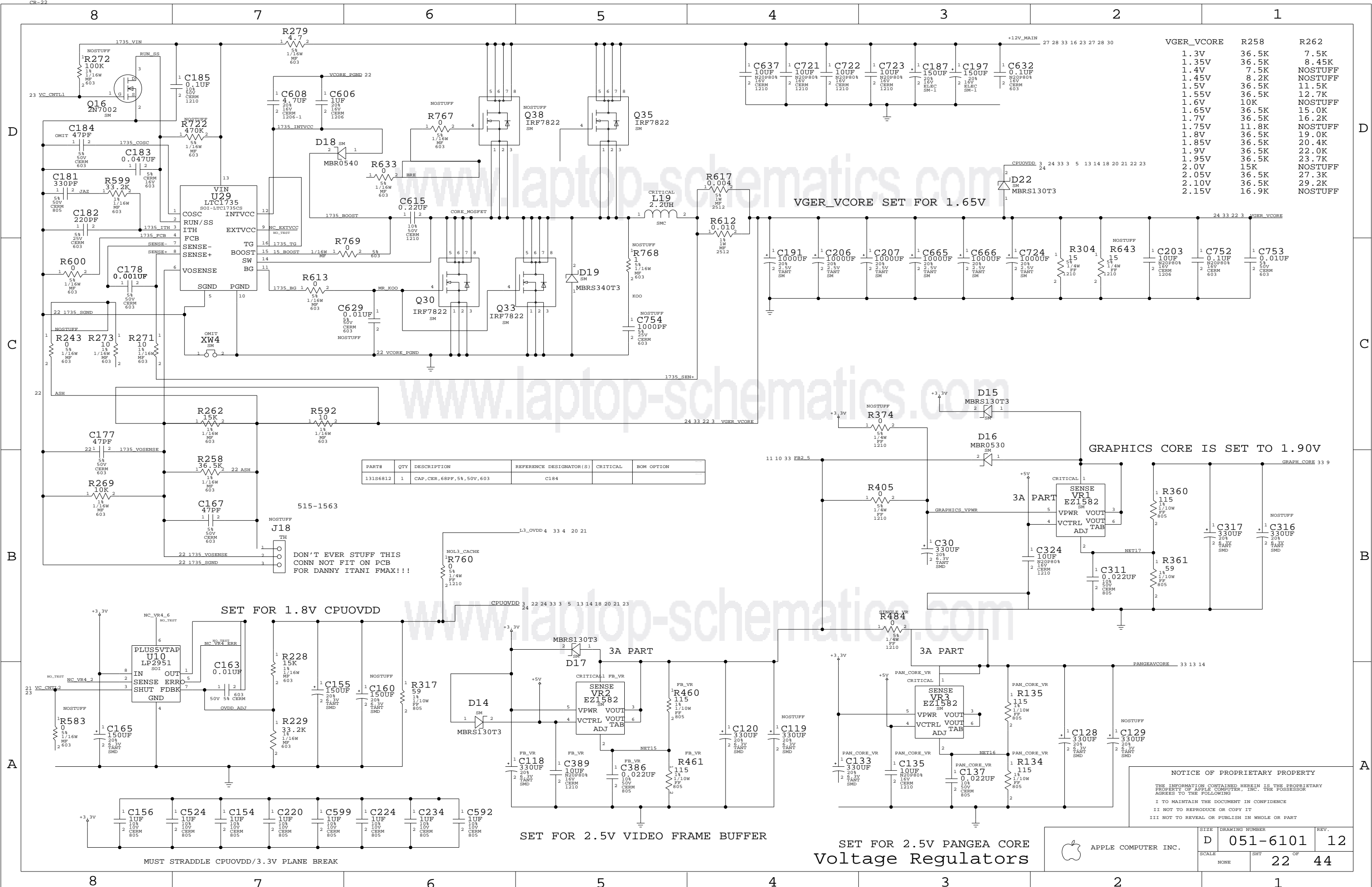
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| | | | |
|---------------------|------|----------------|------|
| APPLE COMPUTER INC. | SIZE | DRAWING NUMBER | REV. |
| | D | 051-6101 | 12 |
| SCALE | | SHT | OF |
| NONE | | 21 | 44 |



| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------------|-------------------------|----------|------------|
| 131S6812 | 1 | CAP., CER, 68PF, 5%, 50V, 603 | C184 | | |

DON'T EVER STUFF THIS
CONN NOT FIT ON PCB
FOR DANNY ITANI FMAX!!!

SET FOR 1.8V CPUOVDD

SET FOR 2.5V VIDEO FRAME BUFFER

SET FOR 2.5V PANGAEA CORE
Voltage Regulators

GRAPHICS CORE IS SET TO 1.90V

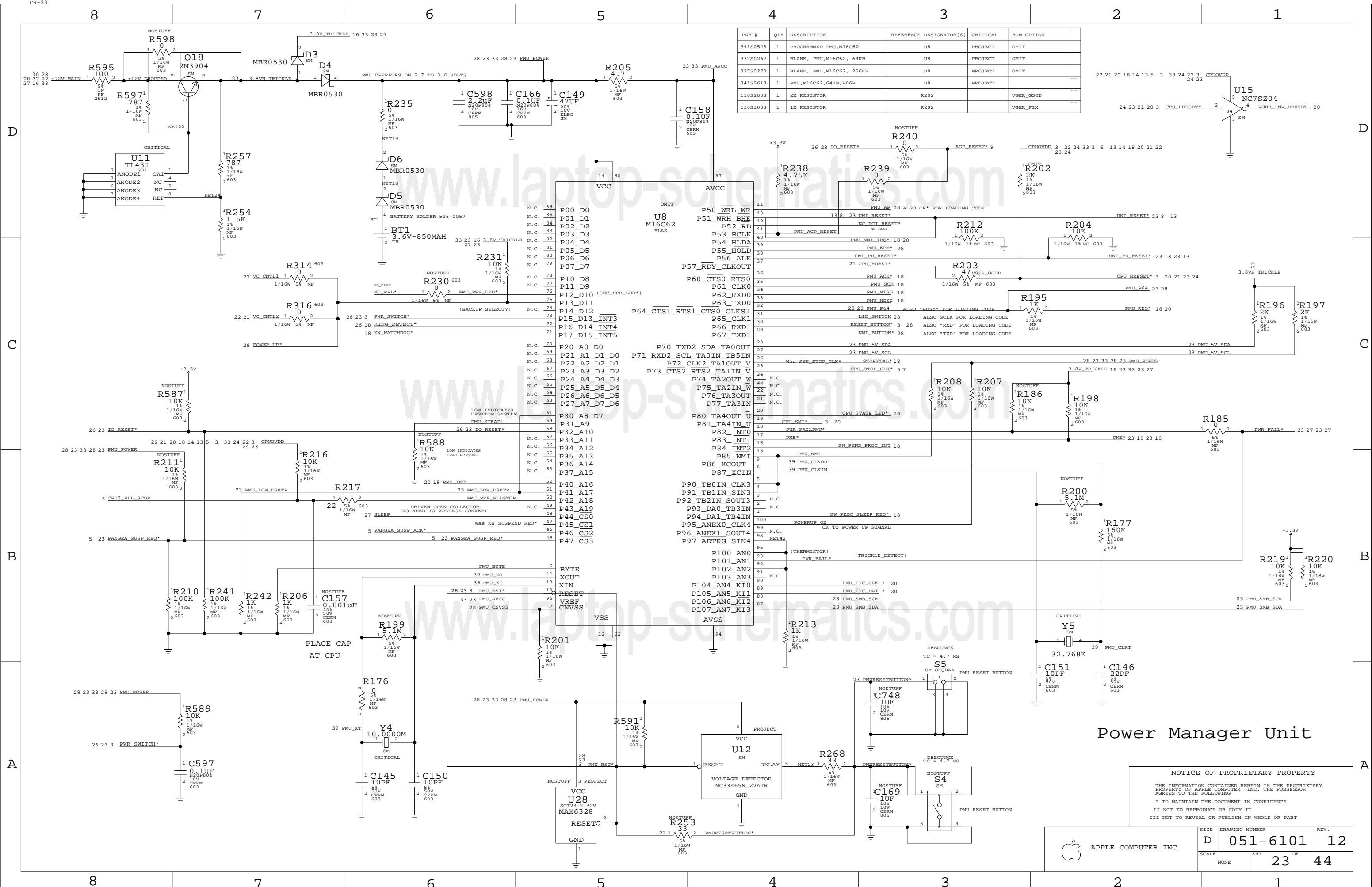
| VGER_VCORE | R258 | R262 |
|------------|-------|---------|
| 1.3V | 36.5K | 7.5K |
| 1.35V | 36.5K | 8.45K |
| 1.4V | 7.5K | NOSTUFF |
| 1.45V | 8.2K | NOSTUFF |
| 1.5V | 36.5K | 11.5K |
| 1.55V | 36.5K | 12.7K |
| 1.6V | 10K | NOSTUFF |
| 1.65V | 36.5K | 15.0K |
| 1.7V | 36.5K | 16.2K |
| 1.75V | 11.8K | NOSTUFF |
| 1.8V | 36.5K | 19.0K |
| 1.85V | 36.5K | 20.4K |
| 1.9V | 36.5K | 22.0K |
| 1.95V | 36.5K | 23.7K |
| 2.0V | 15K | NOSTUFF |
| 2.05V | 36.5K | 27.3K |
| 2.10V | 36.5K | 29.2K |
| 2.15V | 16.9K | NOSTUFF |

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|-------|----------------|------|
| D | 051-6101 | 12 |
| SCALE | SHT | OF |
| NONE | 22 | 44 |

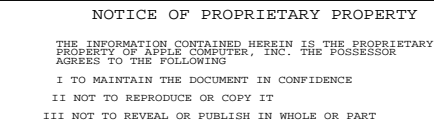


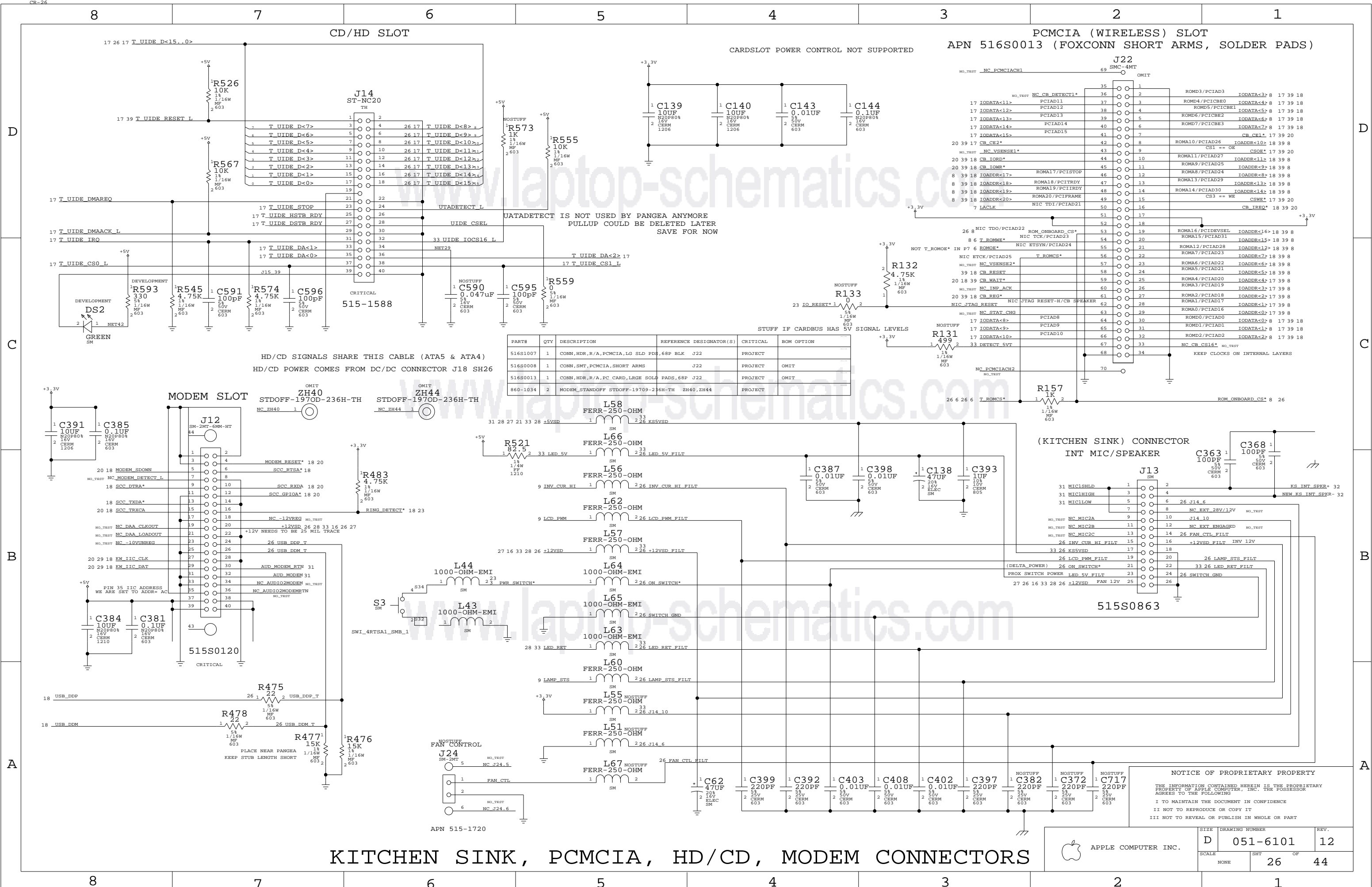
| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|------------|
| 341S0543 | 1 | PROGRAMMED PMU,M16C62 | U8 | PROJECT | OMIT |
| 337S0267 | 1 | BLANK, PMU,M16C62, 64KB | U8 | PROJECT | OMIT |
| 337S0270 | 1 | BLANK, PMU,M16C62, 256KB | U8 | PROJECT | OMIT |
| 341S0618 | 1 | PMU,M16C62,64KB,V66B | U8 | PROJECT | |
| 110S2003 | 1 | 2K RESISTOR | R202 | | VGER_GOOD |
| 110S1003 | 1 | 1K RESISTOR | R202 | | VGER_FIX |

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| | | | | | | |
|---------------------|-------|------|----------------|----------|------|----|
| APPLE COMPUTER INC. | SIZE | D | DRAWING NUMBER | 051-6101 | REV. | 12 |
| | SCALE | NONE | SHT | 23 | OF | 44 |

D

A

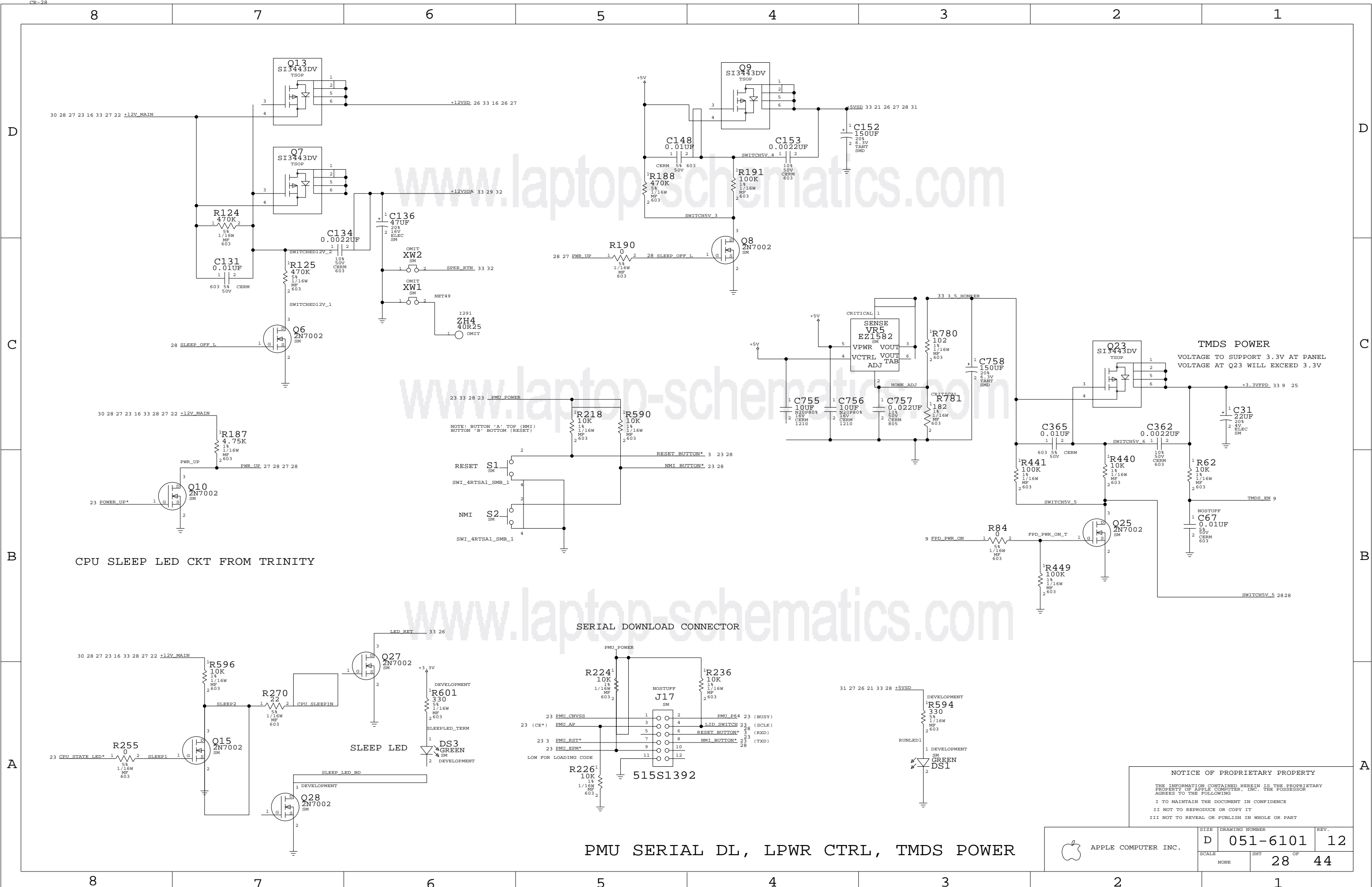


KITCHEN SINK, PCMCIA, HD/CD, MODEM CONNECTORS

APPLE COMPUTER INC.

| | | | | | |
|-------|------|----------------|----------|------|----|
| SIZE | D | DRAWING NUMBER | 051-6101 | REV. | 12 |
| SCALE | NONE | SHT | 26 | OF | 44 |

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CPU SLEEP LED CKT FROM TRINITY

SERIAL DOWNLOAD CONNECTOR

PMU SERIAL DL, LPWR CTRL, TMDs POWER

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| | | | |
|---------------------|---------------|----------------------------|------------|
| APPLE COMPUTER INC. | SIZE D | DRAWING NUMBER 051-6101 | REV. 12 |
| | SCALE NONE | SHT 28 | OF 44 |

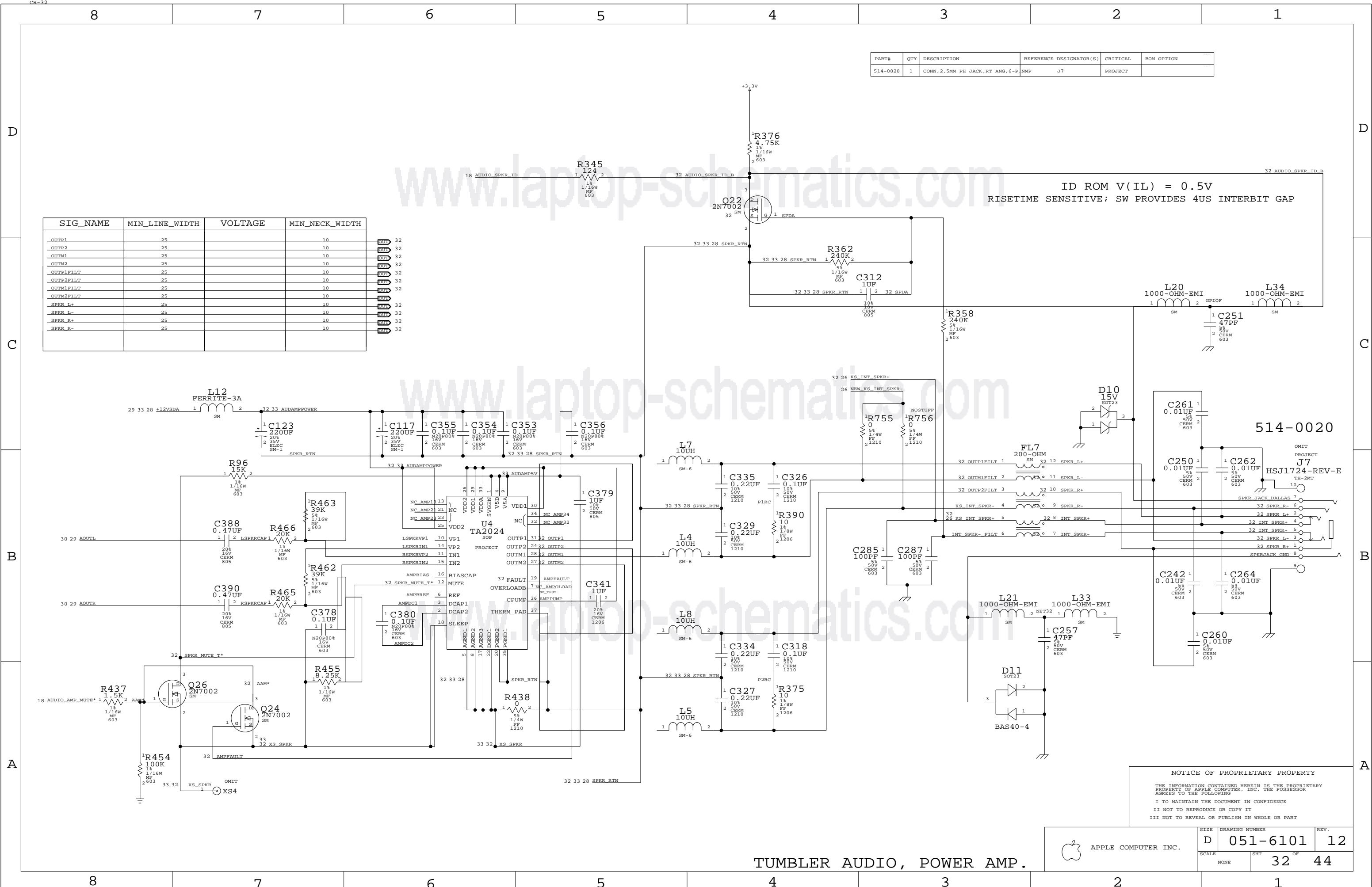
[illegible]

THE FOLLOWING POWER RAILS ARE REQUIRED:

- +12VSD -> 12 VOLTS ON ONLY IN RUN MODE (OFF IN SLEEP/SHUTDOWN)
- +3,3V -> 3.3 VOLTS ON IN SLEEP/RUN (OFF IN SHUTDOWN)
- +5VSD -> 5.0 VOLTS (FOR CALL PROGRESS) ON IN RUN ONLY.
- TRICKLE 5V -> 5.0 VOLTS ALWAYS ON.

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| | | |
|---------------|----------------------------|------------|
| SIZE D | DRAWING NUMBER 051-6101 | REV. 12 |
| SCALE NONE | SHT 29 | OF 44 |



| SIG_NAME | MIN_LINE_WIDTH | VOLTAGE | MIN_NECK_WIDTH |
|-----------|----------------|---------|----------------|
| OUTP1 | 25 | | 10 |
| OUTP2 | 25 | | 10 |
| OUTM1 | 25 | | 10 |
| OUTM2 | 25 | | 10 |
| OUTP1FILT | 25 | | 10 |
| OUTP2FILT | 25 | | 10 |
| OUTM1FILT | 25 | | 10 |
| OUTM2FILT | 25 | | 10 |
| SPKR L+ | 25 | | 10 |
| SPKR L- | 25 | | 10 |
| SPKR R+ | 25 | | 10 |
| SPKR R- | 25 | | 10 |

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------------------------|-------------------------|----------|------------|
| 514-0020 | 1 | CONN, 2.5MM PH JACK, RT ANG, 6-P | NMP J7 | PROJECT | |

ID ROM V(IL) = 0.5V
RISETIME SENSITIVE; SW PROVIDES 4US INTERBIT GAP

514-0020

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| | | | |
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| | D | 051-6101 | 12 |
| SCALE | NONE | | SHT OF |
| | 32 | | 44 |

TUMBLER AUDIO, POWER AMP.

CR-33

87654321

DESIGN IF SPECIAL G3 NEEDED>

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | BOM OPTION |
|----------|-----|----------------------------|-------------------------|------------|
| 051-6101 | 1 | SCHEM,PCBA,P11 | PCB1 | |
| 056-0862 | 1 | DESIGN GUIDE | PCB1 | |
| 056-0928 | 1 | DWG,DSGN GD,MLB,P11 | PCB1 | OMIT |
| 613-3302 | 1 | GEN DWG, PCBA MECH SUBASSY | PCB1 | |
| 820-1257 | 1 | PCBF,MLB,P11 | PCB1 | |

HARDWARE

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | BOM OPTION |
|----------|-----|--------------------------|-------------------------|------------|
| 410-1105 | 2 | WIRELESS CONENCTOR SCREW | J22,J22 | |
| 835-0101 | 2 | WIRELESS CONNECTOR NUT | J22,J22 | |
| 600-9413 | 1 | HEATSINK,MONICA,REAL | U22 | OMIT |
| 730-0231 | 1 | HEATSINK,MONICA,STEALTH | U22 | OMIT |
| 730-0214 | 1 | HEATSINK,MICROPROCESSOR | U13 | OMIT |
| 730-0202 | 1 | HEATSINK,MICROPROCESSOR | U13 | OMIT |
| 730-0217 | 1 | HEATSINK,PANGEA | U6 | STEALTH |
| 730-0217 | 1 | HEATSINK,PANGEA | U6 | REAL |
| 600-9414 | 1 | HEATSINK,TRIPATH,REAL | U4 | OMIT |
| 730-0230 | 1 | HEATSINK,TRIPATH,STEALTH | U4 | OMIT |
| 875-0498 | 1 | GAP FILLER VGER CPU | U13 | REAL |

MODEM/MISC

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------------|-------------------------|----------|------------|
| 525-0057 | 1 | BATTERY HOLDER | BT1 | | |
| 825-2029 | 1 | LABEL,SERIAL NUMBER BARCODE | PCB1 | | |
| 617-0186 | 1 | MODEM, SPRING, W/RJ11 | J12 | PROJECT | OMIT |
| 617-0201 | 1 | MODEM, DASH, W/RJ11 | J12 | PROJECT | OMIT |
| 617-0205 | 1 | MODEM, DASH, W/NO RJ11 | J12 | PROJECT | OMIT |
| 617-0212 | 1 | EMI FILTER PCB,DASH,W/NO RJ11 | J12 | PROJECT | OMIT |
| 617-0196 | 1 | MODEM, B4, W/NO RJ11 | J12 | PROJECT | OMIT |
| 617-0196 | 1 | MODEM, AU5, W/NO RJ11 | J12 | PROJECT | OMIT |

617-0196 ALSO REQUIRES DONGLE 611-0138, BUT THAT IS INCLUDED IN ACCESSORY KIT

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------------------------|-------------------------|----------|------------|
| 617-0213 | 1 | MODEM, SPRING2, W/NO RJ11 | J12 | PROJECT | OMIT |
| 617-0212 | 1 | EMI FILTER PCB,SPRING2,W/NO RJ11 | J12 | PROJECT | OMIT |

SODIMMS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------------------|-------------------------|----------|------------|
| 333-0336 | 1 | IC,SDRAM,64MB ,PC100,SODIMM | J21 | PROJECT | OMIT |
| 333-0360 | 1 | IC,SDRAM,128MB,PC100,SODIMM | J21 | PROJECT | OMIT |
| 333-0362 | 1 | IC,SDRAM,256MB,PC100,MICRON,SODIMM | J21 | PROJECT | OMIT |
| 333-0363 | 1 | IC,SDRAM,256MB,PC100,SAM/HYUN,SODIMM | J21 | PROJECT | OMIT |
| 333-0364 | 1 | IC,SDRAM,512MB,PC100,SODIMM | J21 | PROJECT | OMIT |

168 PIN DIMMS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------------------|-------------------------|----------|------------|
| 333-0112 | 1 | IC,SDRAM,64MB,PC100,4BK,168P DIMM | J19 | PROJECT | OMIT |
| 333-0346 | 1 | IC,SDRAM,128MB,PC100,4BK,168P DIMM | J19 | PROJECT | OMIT |
| 333-0347 | 1 | IC,SDRAM,256MB,PC100,4BK,168P DIMM | J19 | PROJECT | OMIT |
| 333-0349 | 1 | IC,SDRAM,512MB,PC100,4BK,168P DIMM | J19 | PROJECT | OMIT |

HOLES AND SLOTS

ZH2

394R177

OMIT

ZH3

394R177

OMIT

ZH1

394R138

OMIT

12V

3V

5V

+

+

+

+

+

+

SIG_NAME

MIN_LINE_WIDTH

VOLTAGE

MIN_NECK_WIDTH

CPUOVDD

25

1.8

10

VGER_VCORE

15

2.0

10

+AVDD_CPU

25

2.0

10

L3_OVDD

15

1.5

10

L3_CORE

15

2.5

10

PANGEA_AVDD5

10

1.8

10

PANGEA_AVDD4

10

3.3

10

+12VSD_FILT

100

12

10

AGEVDD

10

3.3

10

PANGEA_AVDD6

10

3.3

7

AGEVREF

10

1.32

10

GRAPH_CORE

25

1.9

10

+5VSD

100

5

10

+12VSD

100

12

10

IFP_AVCC

10

3.3

10

MAINCLK_VDD

25

3.3

10

IFP0AVCC

10

3.3

7

DACVDD

10

3.3

10

FB2_5

25

2.5

10

M_VREF1

10

3.3

10

M_VREF2

10

1.25

10

PANGEA_AMVDD

10

1.25

10

PANGEA_TEI

10

3.3

10

ETH_RXD_PD

10

0

10

QBR_REFCLK

10

0

10

PANGEAVCORE

25

2.5

10

VCCA

10

3.3

10

VCCTXFM

10

3.3

10

PHYAD

10

0

10

ENET_TST

0

0

10

ENETCNT

0

0

10

PWRDWN

0

0

10

FW_PHY_3_3

10

3.3

10

3.8V_TRICKLE

10

3.8

10

3.3V_TO_FW

10

3.3

10

G_SSCLK_VDD

25

3.3

10

FW_VP_2

40

30

10

FW_VP_1

40

30

10

FW_VP

40

30

10

FW_VGND

40

0

10

AUDAMPPOWER

70

12

10

12V_LP_FILT

25

12

10

12V_FILT

25

12

10

J14_10

25

3.3

10

LED_RET

25

5

10

LED_RET_FILT

25

5

10

XS_SPKR

70

0

10

3 22 24 3 5 13 14 18 20 21

2 22 23 24

3

4 20 21 22

21 4

5

6

26

8

8

8 9

22 9

28 21 26 27 28 31

26 28 16 26 27

9

7

9

9

22 10 11

11

11

13 14

13

13

22 13 14

15

15

15

15

15

16

16 23 27

12

16

16

16

16

32

29

29

26

26

26

32

SIG_NAME

MIN_LINE_WIDTH

VOLTAGE

MIN_NECK_WIDTH

CHASSIS2

25

0

10

K55VSD

15

5

10

LED_5V

25

5

10

LED_5V_FILT

25

5

10

PANGEA_VDDA3

10

3.3

7

PANGEA_VDDA2

10

3.3

10

PANGEA_VDDA1

10

3.3

10

VDD_USB

10

3.3

7

USB_PWR_AB

10

3.3

10

USB_PWR_CD

10

3.3

10

USB_PWR_FLT

10

5

10

AUD_STAR

10

0

10

USB_PWR

200

5

10

USB1_PWR

200

5

10

USB1_GND

200

0

10

USB2_PWR

200

5

10

USB2_GND

200

0

10

USB3_PWR

200

5

10

USB3_GND

200

0

10

PMU_POWER

10

3.3

10

PMU_AVCC

10

3.3

10

+3.3VFPD

25

3.3

10

DDC_VCC_3

10

3.3

10

INT_TMD5_3V

10

3.3

10

3_5_HOOKER

50

3.5

25

DETECT_5VT

10

3.3

10

+12V_MAIN

600

12

25

+12V_DROPPED

50

12

10

UIDE_IOC816_L

10

5

10

+12VSDA

100

12

10

+5VSD_T

40

5

10

+12VSD_T

40

12

10

+AUD5V

10

5

10

FIL2_DIG3_3V

10

3.3

10

ADC_POWER

40

5

10

DIG_AUD3_3V

10

3.3

10

FIL_AUD3_3V

10

3.3

10

+AUD3_3V

15

3.3

10

AUD_STAR

15

0

10

FIL2_AUD3_3V

10

3.3

10

AUDAMP5V

10

5

10

SPKR_RTN

100

0

10

DDC_VCC_5

50

0

10

FUSED_DDC_5V

50

0

10

33 19 25

26

26

26

18

18

18

18

19 18

33

19

19

19

19

19

19

23 28 23 28

23

28 9 25

25

25

25

26

22 27 28 16 23 27 28 30

23

26

28 29 32

27

27

29 30 31

29

31

29

29

33

29 31

32

28 32

25

25

I/O CONNECTORS

USB

SHEET 18

J2, J3, J5

ETHERNET

SHEET 14

J1

FIREWIRE

SHEET 15

J4, J6

VGA

SHEET 24

J8

HEADPHONE

SHEET 29

J9

MODEM

MODEM SCHEM

MODEM SCHEM

DC IN

SHEET 26

J15

SPKR

SHEET 31

J7

HOLES AND SLOTS AND EMC INFO

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SIZE

D

DRAWING NUMBER

051-6101

REV.

12

SCALE

NONE

SHT

33

OF

44

| | | | | | | | | | | |
|---|---|---|---|---|---|---|----|------|----|----|
| | | | | | | | 35 | NONE | 35 | 44 |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | |

| | | | | | | | | | | | | | | | | | |
|--|-----------------|-------------|---------------------------------|-------------|-------------|--------------------|-----------------------|------------------|-----------------|------------------|---------------|-----------|------------|-------------|------------------|---------------|--|
| 8 | | 7 | | 6 | | 5 | | 4 | | 3 | | 2 | | 1 | | | |
| D | SIG_NAME | PULSE_PARAM | MAX_VIA_COUNT | DELAY_RULE | STUB_LENGTH | NET_SPACING_TYPE | NET_SCHED | | SIG_NAME | PULSE_PARAM | MAX_VIA_COUNT | NET_SCHED | DELAY_RULE | STUB_LENGTH | NET_SPACING_TYPE | | |
| | T M BA0 | 100MHZ:: | 5 | ::1100:2400 | 200 | 5 MIL SPACING | RP23.1 J21.106 RP22.5 | 6 | TERM2_M_ADDR<0> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T M BA1 | 100MHZ:: | 5 | ::1100:2400 | | 5 MIL SPACING | RP23.4 J21.110 RP22.8 | 6 | TERM2_M_ADDR<1> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T SDRAS* | 100MHZ:: | 5 | | | 5 MIL SPACING | RP31.4 J21.65 RP29.6 | 6 | TERM2_M_ADDR<2> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T SDCAS* | 100MHZ:: | 5 | ::1100:2400 | 200 | 5 MIL SPACING | RP31.3 J21.66 RP29.5 | 6 | TERM2_M_ADDR<3> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T MEMWE* | 100MHZ:: | 5 | ::1100:2400 | 200 | 5 MIL SPACING | R539.1 J21.67 R158.2 | 6 | TERM2_M_ADDR<4> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T2_M_BA0 | 100MHZ:: | 4 | ::100:500 | 200 | 5 MIL SPACING | | 6 | TERM2_M_ADDR<5> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T2_M_BA1 | 100MHZ:: | 4 | ::100:500 | 200 | 5 MIL SPACING | | 6 | TERM2_M_ADDR<6> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T2_SDRAS* | 100MHZ:: | 4 | ::100:500 | 200 | 5 MIL SPACING | | 6 | TERM2_M_ADDR<7> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T2_SDCAS* | 100MHZ:: | 4 | ::100:840 | 200 | 5 MIL SPACING | | 6 | TERM2_M_ADDR<8> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| | T2_MEMWE* | 100MHZ:: | 4 | ::100:500 | 200 | 5 MIL SPACING | | 6 | TERM2_M_ADDR<9> | 100MHZ:: | 4 | | ::100:500 | 200 | 5 MIL SPACING | | |
| C | SIG_NAME | PULSE_PARAM | MIN_LINE_WIDTH MAX_VIA_COUNT | NET_SCHED | DELAY_RULE | MAX_EXPOSED_LENGTH | STUB_LENGTH | NET_SPACING_TYPE | | TERM2_M_ADDR<10> | 100MHZ:: | 4 | | ::100:700 | 200 | 5 MIL SPACING | |
| | _PANGA_CPU_CLK | 100MHZ:: | 2 6 | | ::300:500 | | 100 | 10 MIL SPACING | 5 | TERM2_M_ADDR<11> | 100MHZ:: | 4 | | ::100:700 | 200 | 5 MIL SPACING | |
| | _CPU_CLK | 100MHZ:: | 6 6 | | ::2700:4100 | 1000 | 200 | 10 MIL SPACING | 3 5 7 | TERM2_M_ADDR<12> | 100MHZ:: | 4 | | ::100:700 | 200 | 5 MIL SPACING | |
| | _CPUFBOUT | 100MHZ:: | 2 6 | | ::100:600 | | 100 | 10 MIL SPACING | 5 | DQM0* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _TCPUFBOUT | 100MHZ:: | 2 6 | | ::475:700 | | 100 | 10 MIL SPACING | 5 7 | DQM1* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB7 | 100MHZ:: | 2 6 | | ::2700:3000 | | 100 | 10 MIL SPACING | 5 | DQM2* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB6 | 100MHZ:: | 2 6 | | ::1800:2000 | | 100 | 10 MIL SPACING | 5 | DQM3* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB5 | 100MHZ:: | 2 6 | | ::1800:2000 | | 100 | 10 MIL SPACING | 5 | DQM4* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB4 | 100MHZ:: | 2 6 | | ::1800:2000 | | 100 | 10 MIL SPACING | 5 | DQM5* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB3 | 100MHZ:: | 2 6 | | ::1800:2000 | | 100 | 10 MIL SPACING | 5 | DQM6* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| | _CPUFB2 | 100MHZ:: | 2 6 | | ::1800:2000 | | 100 | 10 MIL SPACING | 5 | DQM7* | 100MHZ:: | 4 | | ::3000:4000 | 200 | 5 MIL SPACING | |
| B | _CPUFB1 | 100MHZ:: | 2 6 | | ::2600:3000 | | 100 | 10 MIL SPACING | 5 | | | | | | | | |
| | _CPUFBIN | 100MHZ:: | 6 6 | | ::475:1300 | 1000 | 100 | 10 MIL SPACING | 5 7 | | | | | | | | |
| | _AGPFB0 | 66MHZ:: | 2 5 | | ::950:1000 | 250 | 100 | 10 MIL SPACING | 8 | CS0* | 100MHZ:: | 5 | | ::600:1100 | 200 | 5 MIL SPACING | |
| | _AGPFB1 | 66MHZ:: | 2 5 | | ::475:700 | | 100 | 10 MIL SPACING | 8 | CS1* | 100MHZ:: | 5 | | ::600:1100 | 200 | 5 MIL SPACING | |
| | _AGPFB2 | 66MHZ:: | 2 5 | | ::950:1100 | | 100 | 10 MIL SPACING | 8 | CS2* | 100MHZ:: | 5 | | ::600:1100 | 200 | 5 MIL SPACING | |
| | _AGPFB3 | 66MHZ:: | 2 5 | | ::475:700 | | 100 | 10 MIL SPACING | 8 | CS3* | 100MHZ:: | 5 | | ::600:1100 | 200 | 5 MIL SPACING | |
| | _SCHMOO_CPU_CLK | 100MHZ:: | 2 6 | | ::300:500 | 250 | 100 | 10 MIL SPACING | | T1CS0* | 100MHZ:: | 4 | | ::300:1400 | 200 | 5 MIL SPACING | |
| | _BANDAID | 18.432MHZ:: | 3 | | :::2700 | | 100 | 10 MIL SPACING | | T1CS1* | 100MHZ:: | 4 | | ::300:1400 | 200 | 5 MIL SPACING | |
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| A | | | | | | | | | | T2CS2* | 100MHZ:: | 4 | | ::300:2400 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | T2CS3* | 100MHZ:: | 4 | | ::300:2400 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | M_BA0 | 100MHZ:: | 4 | | ::400:1400 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | M_BA1 | 100MHZ:: | 4 | | ::400:1400 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | SDRAS* | 100MHZ:: | 4 | | ::400:1000 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | SDCAS* | 100MHZ:: | 4 | | ::400:1000 | 200 | 5 MIL SPACING | |
| | | | | | | | | | | MEMWE* | 100MHZ:: | 4 | | ::400:1000 | 200 | 5 MIL SPACING | |
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| D | BT1 | 23 | BATTERY | C95 | 10 | CAP | C190 | 4 | CAP | C285 | 32 | CAP | C380 | 32 | CAP | D | | | | | | | | | |
| | C1 | 19 | CAP_P | C96 | 29 | CAP | C191 | 22 | CAP_P | C286 | 16 | CAP | C381 | 26 | CAP | | | | | | | | | | |
| | C2 | 19 | CAP_P | C97 | 31 | CAP | C192 | 4 | CAP | C287 | 32 | CAP | C382 | 26 | CAP | | | | | | | | | | |
| | C3 | 25 | CAP | C98 | 11 | CAP | C193 | 4 | CAP | C288 | 15 | CAP | C383 | 31 | CAP | | | | | | | | | | |
| | C4 | 19 | CAP_P | C99 | 11 | CAP | C194 | 24 | CAP | C289 | 15 | CAP | C384 | 26 | CAP | | | | | | | | | | |
| | C5 | 25 | CAP | C100 | 10 | CAP | C195 | 4 | CAP | C290 | 16 | CAP | C385 | 26 | CAP | | | | | | | | | | |
| | C6 | 16 | CAP | C101 | 10 | CAP | C196 | 4 | CAP | C291 | 15 | CAP | C386 | 22 | CAP | | | | | | | | | | |
| | C7 | 16 | CAP | C102 | 10 | CAP | C197 | 22 | CAP_P | C292 | 9 | CAP | C387 | 26 | CAP | | | | | | | | | | |
| | C8 | 16 | CAP | C103 | 9 | CAP | C198 | 24 | CAP | C293 | 9 | CAP | C388 | 32 | CAP | | | | | | | | | | |
| | C9 | 16 | CAP | C104 | 9 | CAP | C199 | 27 | CAP | C294 | 15 | CAP | C389 | 22 | CAP | | | | | | | | | | |
| | C10 | 25 | CAP | C105 | 9 | CAP | C200 | 27 | CAP | C295 | 16 | CAP | C390 | 32 | CAP | | | | | | | | | | |
| | C11 | 25 | CAP | C106 | 9 | CAP | C201 | 21 | CAP_P | C296 | 16 | CAP | C391 | 26 | CAP | | | | | | | | | | |
| | C12 | 16 | CAP | C107 | 9 | CAP | C202 | 21 | CAP_P | C297 | 15 | CAP | C392 | 26 | CAP | | | | | | | | | | |
| | C13 | 16 | CAP | C108 | 10 | CAP | C203 | 22 | CAP | C298 | 15 | CAP | C393 | 26 | CAP | | | | | | | | | | |
| | C14 | 16 | CAP | C109 | 10 | CAP | C204 | 4 | CAP | C299 | 18 | CAP | C394 | 31 | CAP | | | | | | | | | | |
| | C15 | 16 | CAP | C110 | 10 | CAP | C205 | 4 | CAP | C300 | 15 | CAP | C395 | 31 | CAP | | | | | | | | | | |
| | C16 | 15 | CAP | C111 | 29 | CAP | C206 | 22 | CAP_P | C301 | 15 | CAP | C396 | 31 | CAP | | | | | | | | | | |
| | C17 | 15 | CAP | C112 | 31 | CAP | C207 | 22 | CAP_P | C302 | 15 | CAP | C397 | 26 | CAP | | | | | | | | | | |
| | C18 | 16 | CAP | C113 | 11 | CAP | C208 | 27 | CAP | C303 | 9 | CAP | C398 | 26 | CAP | | | | | | | | | | |
| | C19 | 16 | CAP | C114 | 29 | CAP | C209 | 27 | CAP | C304 | 9 | CAP | C399 | 26 | CAP | | | | | | | | | | |
| | C20 | 16 | CAP | C115 | 29 | CAP | C210 | 27 | CAP | C305 | 16 | CAP | C400 | 18 | CAP | | | | | | | | | | |
| | C21 | 16 | CAP | C116 | 29 | CAP | C211 | 21 | CAP_P | C306 | 15 | CAP | C401 | 7 | CAP | | | | | | | | | | |
| | C22 | 16 | CAP | C117 | 32 | CAP_P | C212 | 21 | CAP_P | C307 | 9 | CAP | C402 | 26 | CAP | | | | | | | | | | |
| | C23 | 16 | CAP | C118 | 22 | CAP_P | C213 | 4 | CAP_P | C308 | 9 | CAP | C403 | 26 | CAP | | | | | | | | | | |
| C | C24 | 16 | CAP | C119 | 22 | CAP_P | C214 | 27 | CAP | C309 | 15 | CAP | C404 | 29 | CAP | | | | | | | | | | |
| | C25 | 16 | CAP | C120 | 22 | CAP_P | C215 | 27 | CAP | C310 | 15 | CAP | C405 | 8 | CAP | | | | | | | | | | |
| | C26 | 16 | CAP | C121 | 31 | CAP | C216 | 27 | CAP | C311 | 22 | CAP | C406 | 8 | CAP | | | | | | | | | | |
| | C27 | 16 | CAP | C122 | 31 | CAP | C217 | 27 | CAP | C312 | 32 | CAP | C407 | 8 | CAP | | | | | | | | | | |
| | C28 | 16 | CAP | C123 | 32 | CAP_P | C218 | 27 | CAP | C313 | 15 | CAP | C408 | 26 | CAP | | | | | | | | | | |
| | C29 | 16 | CAP_P | C124 | 6 | CAP | C219 | 27 | CAP | C314 | 15 | CAP | C409 | 14 | CAP | | | | | | | | | | |
| | C30 | 22 | CAP_P | C125 | 29 | CAP_P | C220 | 22 | CAP | C315 | 15 | CAP | C410 | 14 | CAP | | | | | | | | | | |
| | C31 | 28 | CAP_P | C126 | 29 | CAP | C221 | 4 | CAP | C316 | 22 | CAP_P | C411 | 14 | CAP | | | | | | | | | | |
| | C32 | 25 | CAP | C127 | 29 | CAP_P | C222 | 4 | CAP | C317 | 22 | CAP_P | C412 | 14 | CAP | | | | | | | | | | |
| | C33 | 25 | CAP | C128 | 22 | CAP_P | C223 | 4 | CAP | C318 | 32 | CAP | C413 | 14 | CAP | | | | | | | | | | |
| | C34 | 16 | CAP | C129 | 22 | CAP_P | C224 | 22 | CAP | C319 | 16 | CAP | C414 | 14 | CAP | | | | | | | | | | |
| | C35 | 16 | CAP_P | C130 | 30 | CAP | C225 | 4 | CAP | C320 | 16 | CAP | C415 | 14 | CAP | | | | | | | | | | |
| | C36 | 11 | CAP | C131 | 28 | CAP | C226 | 4 | CAP | C321 | 16 | CAP | C416 | 14 | CAP | | | | | | | | | | |
| | C37 | 11 | CAP | C132 | 29 | CAP_P | C227 | 4 | CAP | C322 | 15 | CAP | C417 | 14 | CAP | | | | | | | | | | |
| | C38 | 11 | CAP | C133 | 22 | CAP_P | C228 | 4 | CAP | C323 | 15 | CAP | C418 | 14 | CAP | | | | | | | | | | |
| | C39 | 11 | CAP | C134 | 28 | CAP | C229 | 27 | CAP | C324 | 22 | CAP | C419 | 14 | CAP | | | | | | | | | | |
| | C40 | 11 | CAP | C135 | 22 | CAP | C230 | 27 | CAP | C325 | 16 | CAP | C420 | 14 | CAP | | | | | | | | | | |
| | C41 | 12 | CAP | C136 | 28 | CAP_P | C231 | 4 | CAP | C326 | 32 | CAP | C421 | 14 | CAP | | | | | | | | | | |
| | C42 | 11 | CAP | C137 | 22 | CAP | C232 | 21 | CAP_P | C327 | 32 | CAP | C422 | 14 | CAP | | | | | | | | | | |
| | C43 | 11 | CAP | C138 | 26 | CAP_P | C233 | 27 | CAP | C328 | 11 | CAP | C423 | 14 | CAP | | | | | | | | | | |
| | C44 | 10 | CAP | C139 | 26 | CAP | C234 | 22 | CAP | C329 | 32 | CAP | C424 | 14 | CAP | | | | | | | | | | |
| | C45 | 16 | CAP | C140 | 26 | CAP | C235 | 19 | CAP | C330 | 11 | CAP | C425 | 14 | CAP | | | | | | | | | | |
| | C46 | 10 | CAP | C141 | 8 | CAP | C236 | 19 | CAP | C331 | 30 | CAP | C426 | 14 | CAP | | | | | | | | | | |
| | C47 | 9 | CAP | C142 | 8 | CAP | C237 | 19 | CAP | C332 | 11 | CAP | C427 | 14 | CAP | | | | | | | | | | |
| C48 | 9 | CAP | C143 | 26 | CAP | C238 | 19 | CAP | C333 | 11 | CAP | C428 | 14 | CAP | | | | | | | | | | | |
| C49 | 9 | CAP | C144 | 26 | CAP | C239 | 16 | CAP | C334 | 32 | CAP | C429 | 14 | CAP | | | | | | | | | | | |
| C50 | 9 | CAP | C145 | 23 | CAP | C240 | 19 | CAP | C335 | 32 | CAP | C430 | 14 | CAP | | | | | | | | | | | |
| C51 | 9 | CAP | C146 | 23 | CAP | C241 | 19 | CAP | C336 | 6 | CAP | C431 | 14 | CAP | | | | | | | | | | | |
| C52 | 9 | CAP | C147 | 27 | CAP | C242 | 32 | CAP | C337 | 30 | CAP | C432 | 14 | CAP | | | | | | | | | | | |
| C53 | 9 | CAP | C148 | 28 | CAP | C243 | 19 | CAP | C338 | 30 | CAP | C433 | 14 | CAP | | | | | | | | | | | |
| C54 | 9 | CAP | C149 | 23 | CAP_P | C244 | 19 | CAP | C339 | 11 | CAP | C434 | 14 | CAP | | | | | | | | | | | |
| C55 | 12 | CAP | C150 | 23 | CAP | C245 | 19 | CAP | C340 | 11 | CAP | C436 | 14 | CAP | | | | | | | | | | | |
| C56 | 30 | CAP_P | C151 | 23 | CAP | C246 | 16 | CAP | C341 | 32 | CAP | C437 | 14 | CAP | | | | | | | | | | | |
| C57 | 30 | CAP_P | C152 | 28 | CAP_P | C247 | 16 | CAP | C342 | 31 | CAP | C438 | 14 | CAP | | | | | | | | | | | |
| C58 | 10 | CAP | C153 | 28 | CAP | C248 | 19 | CAP | C343 | 11 | CAP | C439 | 14 | CAP | | | | | | | | | | | |
| C59 | 9 | CAP | C154 | 22 | CAP | C249 | 19 | CAP | C344 | 29 | CAP | C440 | 14 | CAP | | | | | | | | | | | |
| C60 | 12 | CAP | C155 | 22 | CAP_P | C250 | 32 | CAP | C345 | 29 | CAP | C441 | 14 | CAP | | | | | | | | | | | |
| C61 | 12 | CAP | C156 | 22 | CAP | C251 | 32 | CAP | C346 | 29 | CAP | C442 | 14 | CAP | | | | | | | | | | | |
| C62 | 26 | CAP_P | C157 | 23 | CAP | C252 | 16 | CAP | C347 | 12 | CAP | C443 | 14 | CAP | | | | | | | | | | | |
| C63 | 11 | CAP | C158 | 23 | CAP | C253 | 16 | CAP | C348 | 11 | CAP | C444 | 14 | CAP | | | | | | | | | | | |
| C64 | 10 | CAP | C159 | 27 | CAP_P | C254 | 19 | CAP | C349 | 30 | CAP | C445 | 14 | CAP | | | | | | | | | | | |
| C65 | 9 | CAP | C160 | 22 | CAP_P | C255 | 25 | CAP | C350 | 30 | CAP | C446 | 14 | CAP | | | | | | | | | | | |
| C66 | 9 | CAP | C161 | 27 | CAP_P | C256 | 25 | CAP | C351 | 29 | CAP | C447 | 14 | CAP | | | | | | | | | | | |
| C67 | 28 | CAP | C162 | 27 | CAP_P | C257 | 32 | CAP | C352 | 11 | CAP | C448 | 8 | CAP | | | | | | | | | | | |
| C68 | 9 | CAP | C163 | 22 | CAP | C258 | 15 | CAP | C353 | 32 | CAP | C449 | 8 | CAP | | | | | | | | | | | |
| C69 | 12 | CAP | C164 | 6 | CAP | C259 | 25 | CAP | C354 | 32 | CAP | C450 | 8 | CAP | | | | | | | | | | | |
| C70 | 9 | CAP | C165 | 22 | CAP_P | C260 | 32 | CAP | C355 | 32 | CAP | C451 | 14 | CAP | | | | | | | | | | | |
| C71 | 9 | CAP | C166 | 23 | CAP | C261 | 32 | CAP | C356 | 32 | CAP | C452 | 14 | CAP | | | | | | | | | | | |
| C72 | 9 | CAP | C167 | 22 | CAP | C262 | 32 | CAP | C357 | 30 | CAP | C453 | 14 | CAP | | | | | | | | | | | |
| C73 | 11 | CAP | C168 | 27 | CAP_P | C263 | 30 | CAP | C358 | 29 | CAP | C454 | 14 | CAP | | | | | | | | | | | |
| C74 | 9 | CAP | C169 | 23 | CAP | C264 | 32 | CAP | C359 | 11 | CAP | C455 | 14 | CAP | | | | | | | | | | | |
| C75 | 9 | CAP | C170 | 27 | CAP_P | C265 | 19 | CAP | C360 | 11 | CAP | C456 | 14 | CAP | | | | | | | | | | | |
| C76 | 31 | CAP | C171 | 27 | CAP_P | C266 | 19 | CAP | C361 | 12 | CAP | C457 | 14 | CAP | | | | | | | | | | | |
| C77 | 30 | CAP | C172 | 27 | CAP_P | C267 | 19 | CAP | C362 | 28 | CAP | C458 | 8 | CAP | | | | | | | | | | | |
| C78 | 10 | CAP | C173 | 27 | CAP_P | C268 | 30 | CAP | C363 | 26 | CAP | C459 | 14 | CAP | | | | | | | | | | | |
| C79 | 9 | CAP | C174 | 27 | CAP_P | C269 | 30 | CAP | C364 | 29 | CAP | C460 | 14 | CAP | | | | | | | | | | | |
| C80 | 12 | CAP | C175 | 27 | CAP_P | C270 | 19 | CAP | C365 | 28 | CAP | C461 | 14 | CAP | | | | | | | | | | | |
| C81 | 11 | CAP | C176 | 27 | CAP_P | C271 | 15 | CAP | C366 | 11 | CAP | C462 | 14 | CAP | | | | | | | | | | | |
| C82 | 9 | CAP | C177 | 22 | CAP | C272 | 15 | CAP | C367 | 11 | CAP | C463 | 14 | CAP | | | | | | | | | | | |
| C83 | 29 | CAP_P | C178 | 22 | CAP | C273 | 30 | CAP | C368 | 26 | CAP | C464 | 14 | CAP | | | | | | | | | | | |
| C84 | 11 | CAP | C179 | 27 | CAP_P | C274 | 25 | CAP | C369 | 29 | CAP | C465 | 14 | CAP | | | | | | | | | | | |
| C85 | 11 | CAP | C180 | 27 | CAP_P | C275 | 30 | CAP | C370 | 29 | CAP | C466 | 14 | CAP | | | | | | | | | | | |
| C86 | 9 | CAP | C181 | 22 | CAP | C276 | 15 | CAP | C371 | 11 | CAP | C467 | 14 | CAP | | | | | | | | | | | |
| C87 | 9 | CAP | C182 | 22 | CAP | C277 | 19 | CAP | C372 | 26 | CAP | C468 | 14 | CAP | | | | | | | | | | | |
| C88 | 12 | CAP | C183 | 22 | CAP | C278 | 19 | CAP | C373 | 31 | CAP | C469 | 14 | CAP | | | | | | | | | | | |
| C89 | 29 | CAP | C184 | 22 | CAP | C279 | 19 | CAP | C374 | 11 | CAP | C470 | 14 | CAP | | | | | | | | | | | |
| C90 | 9 | CAP | C185 | 22 | CAP | C280 | 16 | CAP | C375 | 31 | CAP | C471 | 14 | CAP | | | | | | | | | | | |
| C91 | 10 | CAP | C186 | 21 | CAP_P | C281 | 16 | CAP | C376 | 11 | CAP | C472 | 14 | CAP | | | | | | | | | | | |
| C92 | 9 | CAP | C187 | 22 | CAP_P | C282 | 15 | CAP | C377 | 11 | CAP | C473 | 14 | CAP | | | | | | | | | | | |
| C93 | 11 | CAP | C188 | 4 | CAP | C283 | 19 | CAP | C378 | 32 | CAP | C474 | 14 | CAP | | | | | | | | | | | |
| C94 | 10 | CAP | C189 | 4 | CAP | C284 | 19 | CAP | C379 | 32 | CAP | C475 | 14 | CAP | | | | | | | | | | | |
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| D | C476 | 14 | CAP | C571 | 14 | CAP | C667 | 24 | CAP | D7 | 27 | DIODE_SCHOT | L36 | 30 | IND | D | C | B | A | A | | | |
| | C477 | 14 | CAP | C572 | 14 | CAP | C668 | 27 | CAP | D8 | 27 | DIODE_SCHOT | L37 | 30 | IND | | | | | | | | |
| | C478 | 14 | CAP | C573 | 14 | CAP | C669 | 27 | CAP | D9 | 27 | DIODE_SCHOT | L38 | 30 | IND | | | | | | | | |
| | C479 | 14 | CAP | C574 | 14 | CAP | C670 | 27 | CAP | D10 | 32 | ZENER_MMBZ15VDLT1 | L39 | 30 | IND | | | | | | | | |
| | C480 | 14 | CAP | C575 | 14 | CAP | C671 | 24 | CAP | D11 | 32 | DIODE_SCHOT_3P | L40 | 30 | IND | | | | | | | | |
| | C481 | 14 | CAP | C576 | 14 | CAP | C672 | 24 | CAP | D12 | 30 | DIODE_SCHOT_3P | L41 | 15 | IND | | | | | | | | |
| | C482 | 14 | CAP | C577 | 5 | CAP | C673 | 24 | CAP | D13 | 16 | DIODE | L42 | 15 | IND | | | | | | | | |
| | C483 | 14 | CAP | C578 | 14 | CAP | C674 | 24 | CAP | D14 | 22 | DIODE_SCHOT | L43 | 26 | IND | | | | | | | | |
| | C484 | 14 | CAP | C579 | 14 | CAP | C675 | 24 | CAP | D15 | 22 | DIODE_SCHOT | L44 | 26 | IND | | | | | | | | |
| | C485 | 14 | CAP | C580 | 14 | CAP | C676 | 24 | CAP | D16 | 22 | DIODE_SCHOT | L45 | 25 | IND | | | | | | | | |
| C486 | 14 | CAP | C581 | 14 | CAP | C677 | 24 | CAP | D17 | 22 | DIODE_SCHOT | L46 | 16 | IND | C | B | A | | | | | | |
| C487 | 14 | CAP | C582 | 18 | CAP | C678 | 24 | CAP | D18 | 22 | DIODE_SCHOT | L47 | 31 | IND | | | | | | | | | |
| C488 | 14 | CAP | C583 | 14 | CAP | C679 | 27 | CAP | D19 | 22 | DIODE_SCHOT | L48 | 31 | IND | | | | | | | | | |
| C489 | 14 | CAP | C584 | 14 | CAP | C680 | 4 | CAP | D20 | 27 | DIODE_SCHOT | L49 | 31 | IND | | | | | | | | | |
| C490 | 14 | CAP | C585 | 14 | CAP | C681 | 24 | CAP | D21 | 27 | DIODE_SCHOT | L50 | 29 | IND | | | | | | | | | |
| C491 | 14 | CAP | C586 | 5 | CAP | C682 | 24 | CAP | D22 | 22 | DIODE_SCHOT | L51 | 26 | IND | | | | | | | | | |
| C492 | 14 | CAP | C587 | 18 | CAP | C683 | 4 | CAP | DS1 | 28 | LED | L52 | 31 | IND | | | | | | | | | |
| C493 | 14 | CAP | C588 | 18 | CAP | C684 | 4 | CAP | DS2 | 26 | LED | L53 | 31 | IND | | | | | | | | | |
| C494 | 14 | CAP | C589 | 5 | CAP | C685 | 24 | CAP | DS3 | 28 | LED | L54 | 29 | IND | | | | | | | | | |
| C495 | 14 | CAP | C590 | 26 | CAP | C686 | 27 | CAP | DS4 | 15 | LED | L55 | 26 | IND | | | | | | | | | |
| C496 | 14 | CAP | C591 | 26 | CAP | C687 | 27 | CAP | DS5 | 15 | LED | L56 | 26 | IND | B | A | A | | | | | | |
| C497 | 14 | CAP | C592 | 22 | CAP | C688 | 24 | CAP | DS6 | 15 | LED | L57 | 26 | IND | | | | | | | | | |
| C498 | 14 | CAP | C593 | 6 | CAP | C689 | 4 | CAP | DS7 | 6 | LED | L58 | 26 | IND | | | | | | | | | |
| C499 | 14 | CAP | C595 | 26 | CAP | C690 | 4 | CAP | F1 | 16 | FUSE | L59 | 18 | IND | | | | | | | | | |
| C500 | 14 | CAP | C596 | 26 | CAP | C691 | 4 | CAP | F2 | 19 | FUSE | L60 | 26 | IND | | | | | | | | | |
| C501 | 14 | CAP | C597 | 23 | CAP | C692 | 24 | CAP | F3 | 25 | FUSE | L61 | 31 | IND | | | | | | | | | |
| C502 | 14 | CAP | C598 | 23 | CAP | C693 | 24 | CAP | FL1 | 16 | FILTER_CHOKE_DUAL | L62 | 26 | IND | | | | | | | | | |
| C503 | 14 | CAP | C599 | 22 | CAP | C694 | 4 | CAP | FL2 | 25 | FILTER_LC | L63 | 26 | IND | | | | | | | | | |
| C504 | 14 | CAP | C600 | 27 | CAP | C695 | 4 | CAP | FL3 | 16 | FILTER_CHOKE_DUAL | L64 | 26 | IND | | | | | | | | | |
| C505 | 14 | CAP | C601 | 27 | CAP | C696 | 24 | CAP | FL4 | 25 | FILTER_LC | L65 | 26 | IND | | | | | | | | | |
| C506 | 14 | CAP | C602 | 27 | CAP | C697 | 4 | CAP | FL5 | 25 | FILTER_LC | L66 | 26 | IND | A | A | A | | | | | | |
| C507 | 14 | CAP | C603 | 27 | CAP | C698 | 4 | CAP | FL6 | 19 | FILTER_12P | L67 | 26 | IND | | | | | | | | | |
| C508 | 14 | CAP | C604 | 27 | CAP | C699 | 24 | CAP | FL7 | 32 | FILTER_12P | L68 | 7 | IND | | | | | | | | | |
| C509 | 14 | CAP | C605 | 27 | CAP | C700 | 27 | CAP | J1 | 15 | CON_RJ45 | L69 | 7 | IND | | | | | | | | | |
| C510 | 14 | CAP | C606 | 22 | CAP | C701 | 27 | CAP | J2 | 19 | CON_F4RT_USB_UPRIGHT | Q1 | 30 | TRA_2N3904 | | | | | | | | | |
| C511 | 14 | CAP | C607 | 24 | CAP | C702 | 27 | CAP | J3 | 19 | CON_F4RT_USB_UPRIGHT | Q2 | 30 | TRA_2N3904 | | | | | | | | | |
| C512 | 14 | CAP | C608 | 22 | CAP | C703 | 27 | CAP | J4 | 16 | CON_FWVERT_SKT | Q3 | 16 | TRA_2N3904 | | | | | | | | | |
| C513 | 14 | CAP | C609 | 24 | CAP | C704 | 27 | CAP | J5 | 19 | CON_F4RT_USB_UPRIGHT | Q4 | 30 | TRA_2N3906 | | | | | | | | | |
| C514 | 14 | CAP | C610 | 24 | CAP | C705 | 4 | CAP | J6 | 16 | CON_FWVERT_SKT | Q5 | 30 | TRA_2N7002 | | | | | | | | | |
| C515 | 14 | CAP | C611 | 24 | CAP | C706 | 24 | CAP | J7 | 32 | CON_F8RT_S_TH1 | Q6 | 28 | TRA_2N7002 | | | | | | | | | |
| C516 | 14 | CAP | C612 | 24 | CAP | C707 | 24 | CAP | J8 | 25 | CON_F14RT_D4MT_TH1 | Q7 | 28 | TRA_SI3443DV | | | | | | | | | |
| C517 | 14 | CAP | C613 | 24 | CAP | C708 | 24 | CAP | J9 | 30 | CON_F5RT_S_2MT_TH1 | Q8 | 28 | TRA_2N7002 | | | | | | | | | |
| C518 | 14 | CAP | C614 | 24 | CAP | C709 | 21 | CAP | J10 | 25 | CON_F21RT_S2MT_SM | Q9 | 28 | TRA_SI3443DV | | | | | | | | | |
| C519 | 14 | CAP | C615 | 22 | CAP | C710 | 24 | CAP | J11 | 13 | CON_M4ST_LCK | Q10 | 28 | TRA_2N7002 | | | | | | | | | |
| C520 | 14 | CAP | C616 | 4 | CAP | C711 | 24 | CAP | J12 | 26 | CON_M40SM_635 | Q11 | 27 | TRA_2N7002 | | | | | | | | | |
| C521 | 14 | CAP | C617 | 3 | CAP | C712 | 24 | CAP | J13 | 26 | CON_M26ST_SMBM | Q12 | 27 | TRA_2N7002 | | | | | | | | | |
| C522 | 14 | CAP | C618 | 24 | CAP | C713 | 24 | CAP | J14 | 26 | CON_M40ST_NC20 | Q13 | 28 | TRA_SI3443DV | | | | | | | | | |
| C523 | 14 | CAP | C619 | 4 | CAP | C714 | 20 | CAP | J15 | 27 | CON_M14ST_D_TH | Q14 | 27 | TRA_2N7002 | | | | | | | | | |
| C524 | 22 | CAP | C620 | 4 | CAP | C715 | 4 | CAP | J17 | 28 | CON_M12ST_SM | Q15 | 28 | TRA_2N7002 | | | | | | | | | |
| C525 | 14 | CAP | C621 | 4 | CAP | C716 | 4 | CAP | J18 | 22 | CON_M3ST_LCK | Q16 | 22 | TRA_2N7002 | | | | | | | | | |
| C526 | 14 | CAP | C622 | 4 | CAP | C717 | 26 | CAP | J19 | 6 | CON_168ST_UDRM | Q17 | 27 | TRA_2N3904 | | | | | | | | | |
| C527 | 14 | CAP | C623 | 4 | CAP | C718 | 4 | CAP | J20 | 24 | CON_F20SM_KX | Q18 | 23 | TRA_2N3904 | | | | | | | | | |
| C528 | 14 | CAP | C624 | 4 | CAP | C719 | 4 | CAP | J21 | 6 | CON_144_33SM72 | Q19 | 27 | TRA_IRF7805 | | | | | | | | | |
| C529 | 14 | CAP | C625 | 3 | CAP | C720 | 20 | CAP | J22 | 26 | CON_68_PCMCIA_FOXCN | Q20 | 27 | TRA_2N7002 | | | | | | | | | |
| C530 | 6 | CAP | C626 | 3 | CAP | C721 | 22 | CAP | J23 | 24 | CON_F140SM_BTBT | Q21 | 9 | TRA_2N3904 | | | | | | | | | |
| C531 | 6 | CAP | C627 | 24 | CAP | C722 | 22 | CAP | J24 | 26 | CON_M2SM_DF13 | Q22 | 32 | TRA_2N7002 | | | | | | | | | |
| C532 | 14 | CAP | C628 | 24 | CAP | C723 | 22 | CAP | J25 | 21 | CON_M6ST_BTRY | Q23 | 28 | TRA_SI3443DV | | | | | | | | | |
| C533 | 14 | CAP | C629 | 22 | CAP | C724 | 22 | CAP_P | J26 | 7 | CON_F1ST_S2MT_SM | Q24 | 32 | TRA_2N7002 | | | | | | | | | |
| C534 | 18 | CAP | C630 | 24 | CAP | C725 | 7 | CAP | J27 | 18 | CON_F1ST_S2MT_SM | Q25 | 28 | TRA_2N7002 | | | | | | | | | |
| C535 | 14 | CAP | C631 | 24 | CAP | C726 | 7 | CAP | J28 | 3 | CON_F12RT_S2MT_SM | Q26 | 32 | TRA_2N7002 | | | | | | | | | |
| C536 | 14 | CAP | C632 | 22 | CAP | C727 | 7 | CAP | L1 | 16 | IND | Q27 | 28 | TRA_2N7002 | | | | | | | | | |
| C537 | 14 | CAP | C633 | 21 | CAP | C728 | 7 | CAP | L2 | 16 | IND | Q28 | 28 | TRA_2N7002 | | | | | | | | | |
| C538 | 14 | CAP | C634 | 21 | CAP | C729 | 7 | CAP | L3 | 25 | IND | Q29 | 27 | TRA_IRF7805 | | | | | | | | | |
| C539 | 14 | CAP | C635 | 24 | CAP | C730 | 7 | CAP | L4 | 32 | IND | Q30 | 22 | TRA_IRF7822 | | | | | | | | | |
| C540 | 18 | CAP | C636 | 24 | CAP | C731 | 7 | CAP | L5 | 32 | IND | Q31 | 27 | TRA_IRF7805 | | | | | | | | | |
| C541 | 14 | CAP | C637 | 22 | CAP | C732 | 7 | CAP | L6 | 9 | IND | Q32 | 27 | TRA_IRF7805 | | | | | | | | | |
| C542 | 14 | CAP | C638 | 4 | CAP | C733 | 7 | CAP | L7 | 32 | IND | Q33 | 22 | TRA_IRF7822 | | | | | | | | | |
| C543 | 14 | CAP | C639 | 4 | CAP | C734 | 7 | CAP | L8 | 32 | IND | Q34 | 27 | TRA_IRF7805 | | | | | | | | | |
| C544 | 14 | CAP | C640 | 24 | CAP | C735 | 7 | CAP | L9 | 29 | IND | Q35 | 22 | TRA_IRF7822 | | | | | | | | | |
| C545 | 14 | CAP | C641 | 24 | CAP | C736 | 7 | CAP | L10 | 29 | IND | Q36 | 21 | TRA_2N7002 | | | | | | | | | |
| C546 | 14 | CAP | C642 | 4 | CAP | C737 | 7 | CAP | L11 | 29 | IND | Q37 | 21 | TRA_2N7002 | | | | | | | | | |
| C547 | 14 | CAP | C643 | 27 | CAP | C738 | 7 | CAP | L12 | 32 | IND | Q38 | 22 | TRA_IRF7822 | | | | | | | | | |
| C548 | 14 | CAP | C644 | 27 | CAP | C739 | 7 | CAP | L13 | 27 | IND | R1 | 15 | RES | | | | | | | | | |
| C549 | 14 | CAP | C645 | 24 | CAP | C740 | 7 | CAP | L14 | 27 | IND | R2 | 15 | RES | | | | | | | | | |
| C550 | 14 | CAP | C646 | 24 | CAP | C741 | 7 | CAP | L15 | 27 | IND | R3 | 15 | RES | | | | | | | | | |
| C551 | 14 | CAP | C647 | 24 | CAP | C742 | 31 | CAP | L16 | 13 | IND | R4 | 15 | RES | | | | | | | | | |
| C552 | 14 | CAP | C648 | 24 | CAP | C743 | 31 | CAP | L17 | 27 | IND_3P | R5 | 15 | RES | | | | | | | | | |
| C553 | 14 | CAP | C649 | 24 | CAP | C744 | 31 | CAP_P | L18 | 27 | IND_3P | R6 | 15 | RES | | | | | | | | | |
| C554 | 14 | CAP | C650 | 24 | CAP | C745 | 21 | CAP | L19 | 22 | IND | R7 | 30 | RES | | | | | | | | | |
| C555 | 17 | CAP | C651 | 24 | CAP | C746 | 21 | CAP | L20 | 32 | IND | R8 | 15 | RES | | | | | | | | | |
| C556 | 14 | CAP | C652 | 24 | CAP | C748 | 23 | CAP | L21 | 32 | IND | R9 | 15 | RES | | | | | | | | | |
| C557 | 14 | CAP | C653 | 24 | CAP | C751 | 19 | CAP | L22 | 30 | IND | R10 | 18 | RES | | | | | | | | | |
| C558 | 14 | CAP | C654 | 24 | CAP | C752 | 22 | CAP | L23 | 30 | IND | R11 | 16 | RES | | | | | | | | | |
| C559 | 14 | CAP | C655 | 24 | CAP | C753 | 22 | CAP | L24 | 30 | IND | R12 | 16 | RES | | | | | | | | | |
| C560 | 14 | CAP | C656 | 24 | CAP | C754 | 22 | CAP | L25 | 19 | IND | R13 | 16 | RES | | | | | | | | | |
| C561 | 14 | CAP | C657 | 24 | CAP | C755 | 28 | CAP | L26 | 19 | IND | R14 | 16 | RES | | | | | | | | | |
| C562 | 14 | CAP | C658 | 24 | CAP | C756 | 28 | CAP | L27 | 19 | IND | R15 | 16 | RES | | | | | | | | | |
| C563 | 14 | CAP | C659 | 24 | CAP | C757 | 28 | CAP | L28 | 19 | IND | R16 | 15 | RES | | | | | | | | | |
| C564 | 14 | CAP | C660 | 24 | CAP | C758 | 28 | CAP_P | L29 | 19 | IND | R17 | 15 | RES | | | | | | | | | |
| C565 | 14 | | | | | | | | | | | | | | | | | | | | | | |

| 8 | | | 7 | | | 6 | | | 5 | | | 4 | | | 3 | | | 2 | | | 1 | | | |
|------|------|------|------|------|------|-----|----------|---------------------|--------------------------|--------|----|------------------|---|--|---|--|--|---|--|--|---|--|--|--|
| D | R500 | 31 | RES | R595 | 23 | RES | R746 | 21 | RES | U31 | 27 | LTC1628 | D | | | | | | | | | | | |
| | R501 | 31 | RES | R596 | 28 | RES | R747 | 21 | RES | U32 | 21 | VREG_LP2951 | | | | | | | | | | | | |
| | R502 | 31 | RES | R597 | 23 | RES | R748 | 24 | RES | U33 | 7 | CLK_GEN_IMIC5003 | | | | | | | | | | | | |
| | R503 | 19 | RES | R598 | 23 | RES | R749 | 21 | RES | U35 | 21 | AT90S1200 | | | | | | | | | | | | |
| | R504 | 19 | RES | R599 | 22 | RES | R750 | 21 | RES | U36 | 21 | EEPR_256X8 | | | | | | | | | | | | |
| | R505 | 19 | RES | R600 | 22 | RES | R751 | 21 | RES | U38 | 19 | SWI_TPS2023 | | | | | | | | | | | | |
| | R506 | 13 | RES | R601 | 28 | RES | R752 | 21 | RES | VR1 | 22 | VREG_EZ1582 | | | | | | | | | | | | |
| | R507 | 19 | RES | R602 | 20 | RES | R753 | 21 | RES | VR2 | 22 | VREG_EZ1582 | | | | | | | | | | | | |
| | R508 | 19 | RES | R603 | 20 | RES | R754 | 21 | RES | VR3 | 22 | VREG_EZ1582 | | | | | | | | | | | | |
| | R509 | 13 | RES | R604 | 20 | RES | R755 | 32 | RES | VR4 | 21 | VREG_EZ1582 | | | | | | | | | | | | |
| | R510 | 31 | RES | R605 | 27 | RES | R756 | 32 | RES | VR5 | 28 | VREG_EZ1582 | | | | | | | | | | | | |
| | R511 | 13 | RES | R606 | 27 | RES | R757 | 20 | RES | XS1 | 31 | STAR | | | | | | | | | | | | |
| | R512 | 18 | RES | R607 | 27 | RES | R760 | 22 | RES | XS2 | 30 | STAR | | | | | | | | | | | | |
| | R513 | 13 | RES | R608 | 20 | RES | R761 | 7 | RES | XS3 | 29 | STAR | | | | | | | | | | | | |
| | R514 | 8 | RES | R609 | 3 | RES | R762 | 7 | RES | XS4 | 32 | STAR | | | | | | | | | | | | |
| | R515 | 8 | RES | R610 | 27 | RES | R763 | 7 | RES | XS5 | 29 | STAR | | | | | | | | | | | | |
| | R516 | 8 | RES | R611 | 3 | RES | R764 | 18 | RES | XW1 | 28 | SHORT | | | | | | | | | | | | |
| | R517 | 8 | RES | R612 | 22 | RES | R765 | 18 | RES | XW2 | 28 | SHORT | | | | | | | | | | | | |
| | R518 | 8 | RES | R613 | 22 | RES | R766 | 18 | RES | XW3 | 31 | SHORT | | | | | | | | | | | | |
| | R519 | 24 | RES | R614 | 21 | RES | R767 | 22 | RES | XW4 | 22 | SHORT | | | | | | | | | | | | |
| | R520 | 24 | RES | R615 | 20 | RES | R768 | 22 | RES | XW5 | 27 | SHORT | | | | | | | | | | | | |
| | R521 | 26 | RES | R616 | 20 | RES | R769 | 22 | RES | Y1 | 16 | CRYSTAL | | | | | | | | | | | | |
| | R522 | 8 | RES | R617 | 22 | RES | R780 | 28 | RES | Y2 | 15 | CRYSTAL | | | | | | | | | | | | |
| | R523 | 8 | RES | R618 | 21 | RES | R781 | 28 | RES | Y3 | 9 | CRYSTAL | | | | | | | | | | | | |
| C | R524 | 24 | RES | R619 | 20 | RES | RP1 | 20 | RPAK4P | Y4 | 23 | CRYSTAL | C | | | | | | | | | | | |
| | R525 | 24 | RES | R620 | 21 | RES | RP2 | 10 | RPAK4P | Y5 | 23 | CRYSTAL_4PIN | | | | | | | | | | | | |
| | R526 | 26 | RES | R621 | 21 | RES | RP3 | 20 | RPAK4P | Y6 | 18 | CRYSTAL | | | | | | | | | | | | |
| | R527 | 17 | RES | R622 | 20 | RES | RP4 | 13 | RPAK4P | Y7 | 12 | CRYSTAL | | | | | | | | | | | | |
| | R528 | 24 | RES | R623 | 20 | RES | RP5 | 20 | RPAK4P | Y8 | 7 | CRYSTAL | | | | | | | | | | | | |
| | R529 | 24 | RES | R624 | 7 | RES | RP6 | 13 | RPAK4P | ZH1 | 33 | MTGHOLE | | | | | | | | | | | | |
| | R530 | 8 | RES | R625 | 7 | RES | RP7 | 6 | RPAK4P | ZH2 | 33 | MTGHOLE | | | | | | | | | | | | |
| | R531 | 6 | RES | R626 | 20 | RES | RP8 | 20 | RPAK4P | ZH3 | 33 | MTGHOLE | | | | | | | | | | | | |
| | R532 | 7 | RES | R627 | 7 | RES | RP9 | 8 | RPAK4P | ZH4 | 28 | MTGHOLE | | | | | | | | | | | | |
| | R533 | 24 | RES | R628 | 7 | RES | RP10 | 20 | RPAK4P | ZH40 | 26 | PCB_STANDOFF | | | | | | | | | | | | |
| | R534 | 24 | RES | R629 | 20 | RES | RP11 | 6 | RPAK4P | ZH44 | 26 | PCB_STANDOFF | | | | | | | | | | | | |
| | R535 | 13 | RES | R630 | 20 | RES | RP12 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R536 | 13 | RES | R631 | 27 | RES | RP13 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R537 | 13 | RES | R632 | 20 | RES | RP14 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R538 | 8 | RES | R633 | 22 | RES | RP15 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R539 | 6 | RES | R634 | 20 | RES | RP16 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R540 | 8 | RES | R635 | 7 | RES | RP17 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R541 | 7 | RES | R636 | 7 | RES | RP18 | 20 | RPAK4P | | | | | | | | | | | | | | | |
| | R542 | 18 | RES | R637 | 7 | RES | RP19 | 15 | RPAK4P | | | | | | | | | | | | | | | |
| | R543 | 7 | RES | R638 | 7 | RES | RP20 | 10 | RPAK4P | | | | | | | | | | | | | | | |
| | R544 | 18 | RES | R639 | 27 | RES | RP21 | 8 | RPAK4P | | | | | | | | | | | | | | | |
| | R545 | 26 | RES | R640 | 27 | RES | RP22 | 6,8 | RPAK4P | | | | | | | | | | | | | | | |
| | B | R546 | 6 | RES | R641 | 21 | RES | RP23 | 6,8 | RPAK4P | | | | | B | | | | | | | | | |
| | | R547 | 7 | RES | R642 | 21 | RES | RP24 | 8 | RPAK4P | | | | | | | | | | | | | | |
| R548 | | 7 | RES | R643 | 22 | RES | RP25 | 17 | RPAK4P | | | | | | | | | | | | | | | |
| R549 | | 17 | RES | R644 | 27 | RES | RP26 | 8 | RPAK4P | | | | | | | | | | | | | | | |
| R550 | | 7 | RES | R645 | 15 | RES | RP27 | 17 | RPAK4P | | | | | | | | | | | | | | | |
| R551 | | 17 | RES | R646 | 24 | RES | RP28 | 6 | RPAK4P | | | | | | | | | | | | | | | |
| R552 | | 7 | RES | R647 | 27 | RES | RP29 | 6,8 | RPAK4P | | | | | | | | | | | | | | | |
| R553 | | 17 | RES | R648 | 27 | RES | RP30 | 17 | RPAK4P | | | | | | | | | | | | | | | |
| R554 | | 18 | RES | R649 | 27 | RES | RP31 | 6,8 | RPAK4P | | | | | | | | | | | | | | | |
| R555 | | 26 | RES | R650 | 27 | RES | RP32 | 17 | RPAK4P | | | | | | | | | | | | | | | |
| R556 | | 7 | RES | R651 | 27 | RES | RP33 | 8 | RPAK4P | | | | | | | | | | | | | | | |
| R557 | | 17 | RES | R652 | 7 | RES | RP34 | 6 | RPAK4P | | | | | | | | | | | | | | | |
| R558 | | 7 | RES | R653 | 7 | RES | RP35 | 7 | RPAK4P | | | | | | | | | | | | | | | |
| R559 | | 26 | RES | R654 | 7 | RES | S1 | 28 | SWI_4RTSA1_SMB | | | | | | | | | | | | | | | |
| R560 | | 7 | RES | R655 | 20 | RES | S2 | 28 | SWI_4RTSA1_SMB | | | | | | | | | | | | | | | |
| R561 | | 17 | RES | R656 | 7 | RES | S3 | 26 | SWI_4RTSA1_SMB | | | | | | | | | | | | | | | |
| R562 | | 5 | RES | R657 | 7 | RES | S4 | 23 | SWI_TACT_4SM | | | | | | | | | | | | | | | |
| R563 | | 17 | RES | R667 | 7 | RES | S5 | 23 | SWI_TACT | | | | | | | | | | | | | | | |
| R564 | | 5 | RES | R668 | 7 | RES | T1 | 15 | XFR_100BT_MDIX | | | | | | | | | | | | | | | |
| R565 | | 5 | RES | R670 | 7 | RES | U1 | 9 | VREG_TL431 | | | | | | | | | | | | | | | |
| R566 | | 5 | RES | R676 | 7 | RES | U2 | 15 | TRANSCEIVER_ENET_LXT971A | | | | | | | | | | | | | | | |
| R567 | | 26 | RES | R678 | 7 | RES | U3 | 11 | SGRAM_2MX32 | | | | | | | | | | | | | | | |
| R568 | | 18 | RES | R680 | 7 | RES | U4 | 32 | AMP_TA2024 | | | | | | | | | | | | | | | |
| R569 | | 18 | RES | R681 | 7 | RES | U5 | 29 | TAS3001C | | | | | | | | | | | | | | | |
| R570 | 5 | RES | R721 | 20 | RES | U6 | 5,6,8,13 | PANGEA | | | | | | | | | | | | | | | | |
| R571 | 17 | RES | R722 | 22 | RES | U7 | 8 | FEPR_1MX8 | | | | | | | | | | | | | | | | |
| R572 | 7 | RES | R723 | 31 | RES | U8 | 23 | M16C62 | | | | | | | | | | | | | | | | |
| R573 | 26 | RES | R724 | 31 | RES | U9 | 7 | 74574 | | | | | | | | | | | | | | | | |
| R574 | 26 | RES | R725 | 31 | RES | U10 | 22 | VREG_LP2951 | | | | | | | | | | | | | | | | |
| R575 | 20 | RES | R726 | 31 | RES | U11 | 23 | VREG_TL431 | | | | | | | | | | | | | | | | |
| R576 | 20 | RES | R727 | 16 | RES | U12 | 23 | VDET_MC33465N_22ATR | | | | | | | | | | | | | | | | |
| R577 | 20 | RES | R728 | 4 | RES | U13 | 3,4 | SCVGER483 | | | | | | | | | | | | | | | | |
| R578 | 5 | RES | R729 | 4 | RES | U14 | 4 | SRAM_DDR_153PBGA | | | | | | | | | | | | | | | | |
| R579 | 5 | RES | R730 | 4 | RES | U15 | 23 | NC7SZ04 | | | | | | | | | | | | | | | | |
| R580 | 7 | RES | R731 | 4 | RES | U16 | 18,25 | 74125 | | | | | | | | | | | | | | | | |
| R581 | 17 | RES | R732 | 21 | RES | U17 | 16 | FW802 | | | | | | | | | | | | | | | | |
| R582 | 17 | RES | R733 | 21 | RES | U18 | 16 | VREG_LP2951 | | | | | | | | | | | | | | | | |
| R583 | 22 | RES | R734 | 21 | RES | U19 | 12 | CLK_GEN_IMISM530 | | | | | | | | | | | | | | | | |
| R584 | 17 | RES | R735 | 21 | RES | U20 | 29,30 | OPAMP_TS924 | | | | | | | | | | | | | | | | |
| R585 | 17 | RES | R736 | 21 | RES | U21 | 11 | SGRAM_2MX32 | | | | | | | | | | | | | | | | |
| R586 | 17 | RES | R737 | 21 | RES | U22 | 9,10,12 | MONICA | | | | | | | | | | | | | | | | |
| R587 | 23 | RES | R738 | 21 | RES | U23 | 29 | ADDAC_TLC320AD77C | | | | | | | | | | | | | | | | |
| R588 | 23 | RES | R739 | 21 | RES | U24 | 31 | OPAMP_TS924 | | | | | | | | | | | | | | | | |
| R589 | 23 | RES | R740 | 21 | RES | U25 | 29 | VREG_LP2951 | | | | | | | | | | | | | | | | |
| R590 | 28 | RES | R741 | 21 | RES | U26 | 29 | VREG_LP2951 | | | | | | | | | | | | | | | | |
| R591 | 23 | RES | R742 | 21 | RES | U27 | 31 | ADC_CS5331 | | | | | | | | | | | | | | | | |
| R592 | 22 | RES | R743 | 21 | RES | U28 | 23 | MAX6328 | | | | | | | | | | | | | | | | |
| R593 | 26 | RES | R744 | 21 | RES | U29 | 22 | SWREG_LTC1735 | | | | | | | | | | | | | | | | |
| R594 | 28 | RES | R745 | 21 | RES | U30 | 4 | SRAM_DDR_153PBGA | | | | | | | | | | | | | | | | |
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