

Appendix B: Schematic Diagrams

This appendix has circuit diagrams of the *M740S/M741S/M745S/M760S/M765S/M766S/M767S* notebook's PCB's. The following table indicates where to find the appropriate schematic diagram.

Table B - 1
**Schematic
Diagrams**

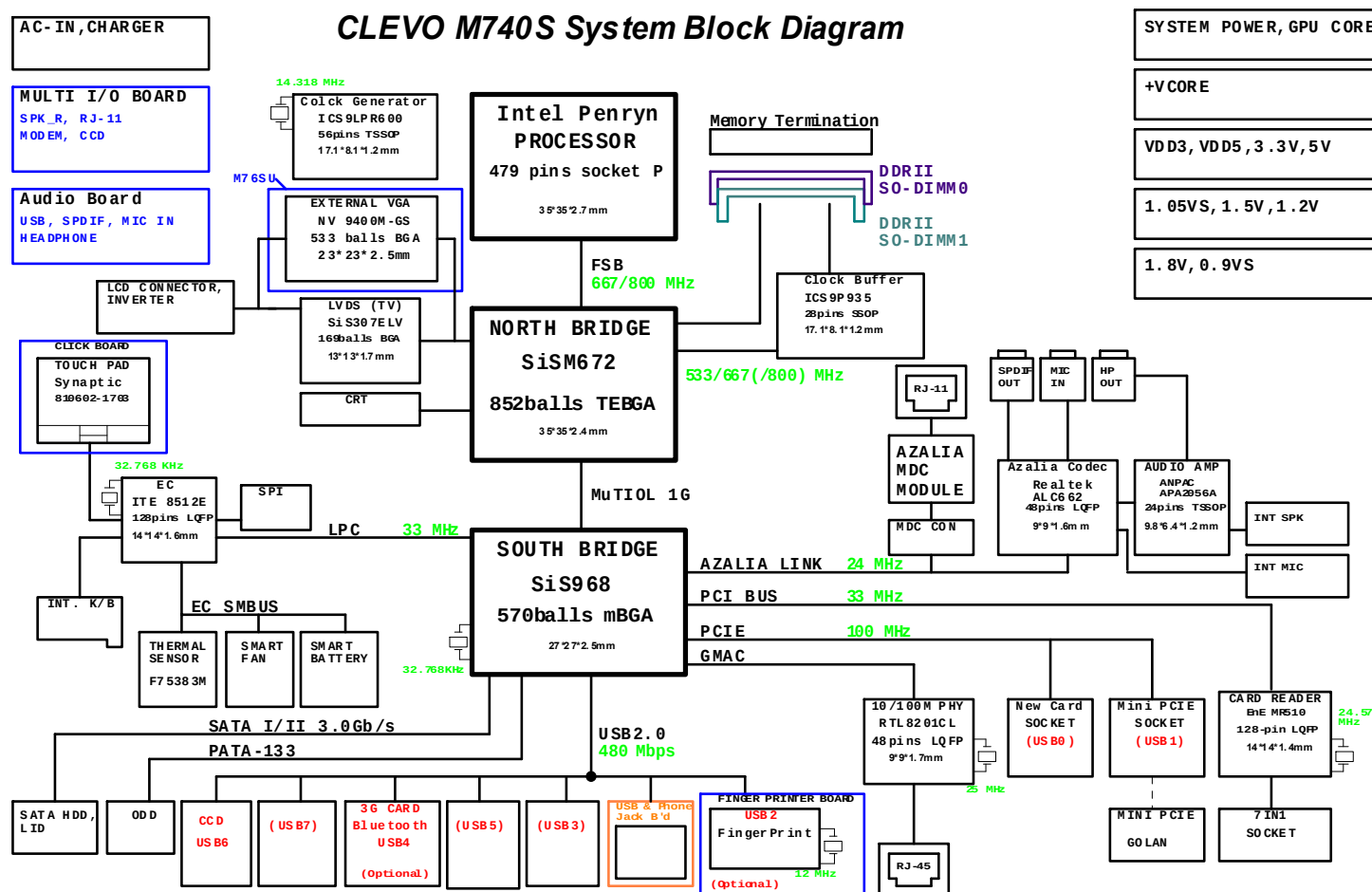
Diagram - Page	Diagram - Page	Diagram - Page
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Version Note

The schematic diagrams in this chapter are based upon version 6-7P-M74S9-003A. If your main-board (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).

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System Block
Diagram



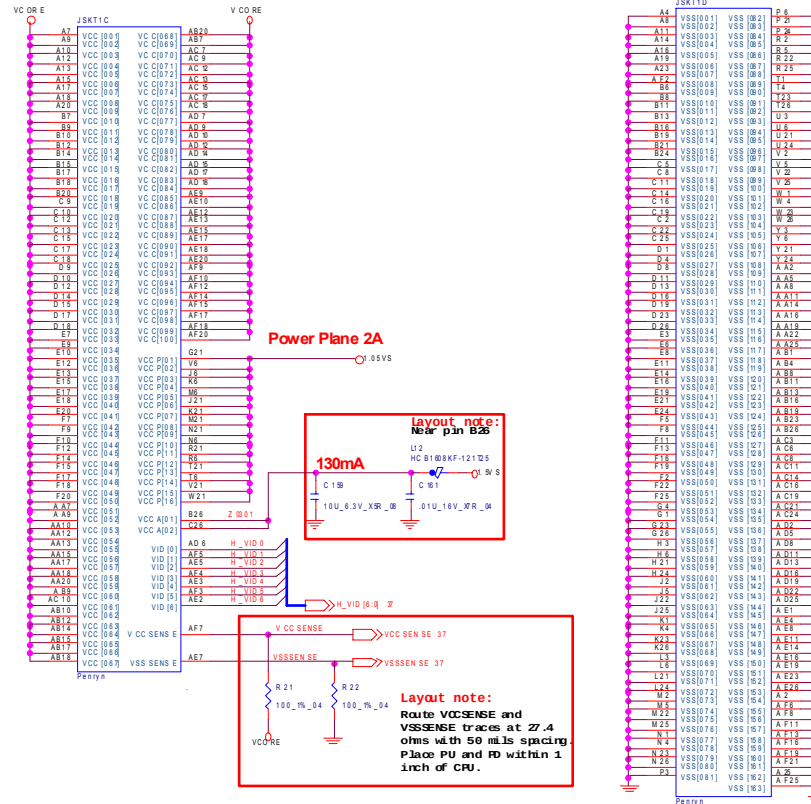
Sheet 2 of 48
Penryn (Socket-P)
1/2



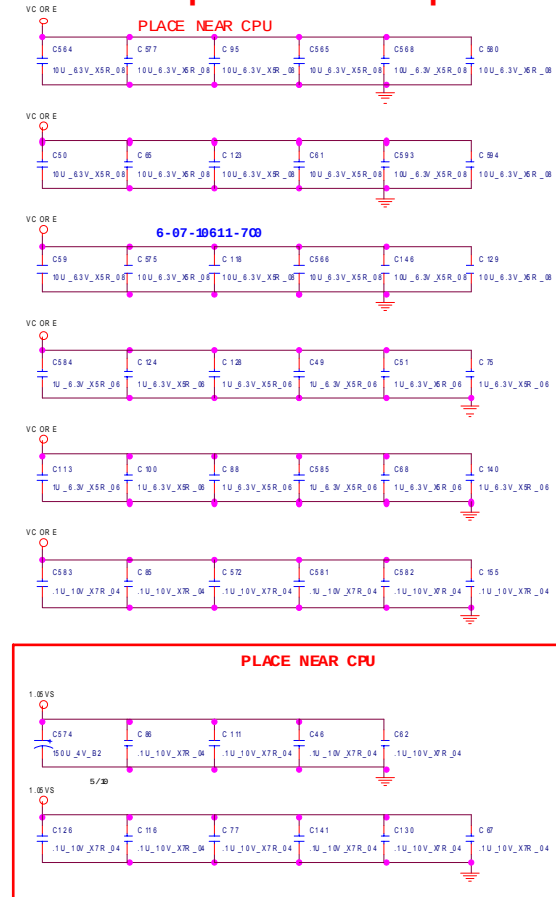
Schematic Diagrams

Penryn (Socket-P) 2/2

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Penryn (Socket-P) 2/2

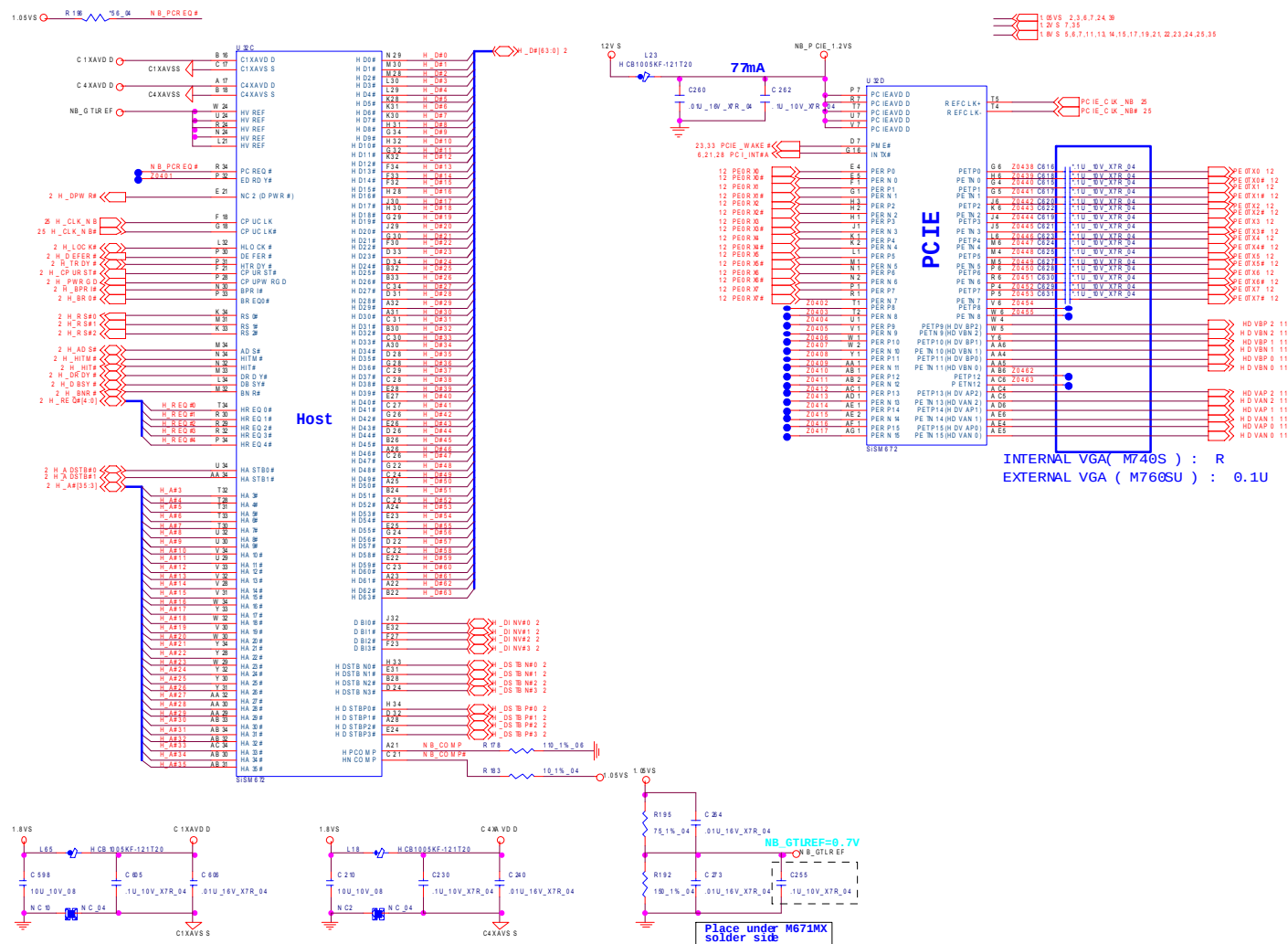


Check cap for santa rosa platform



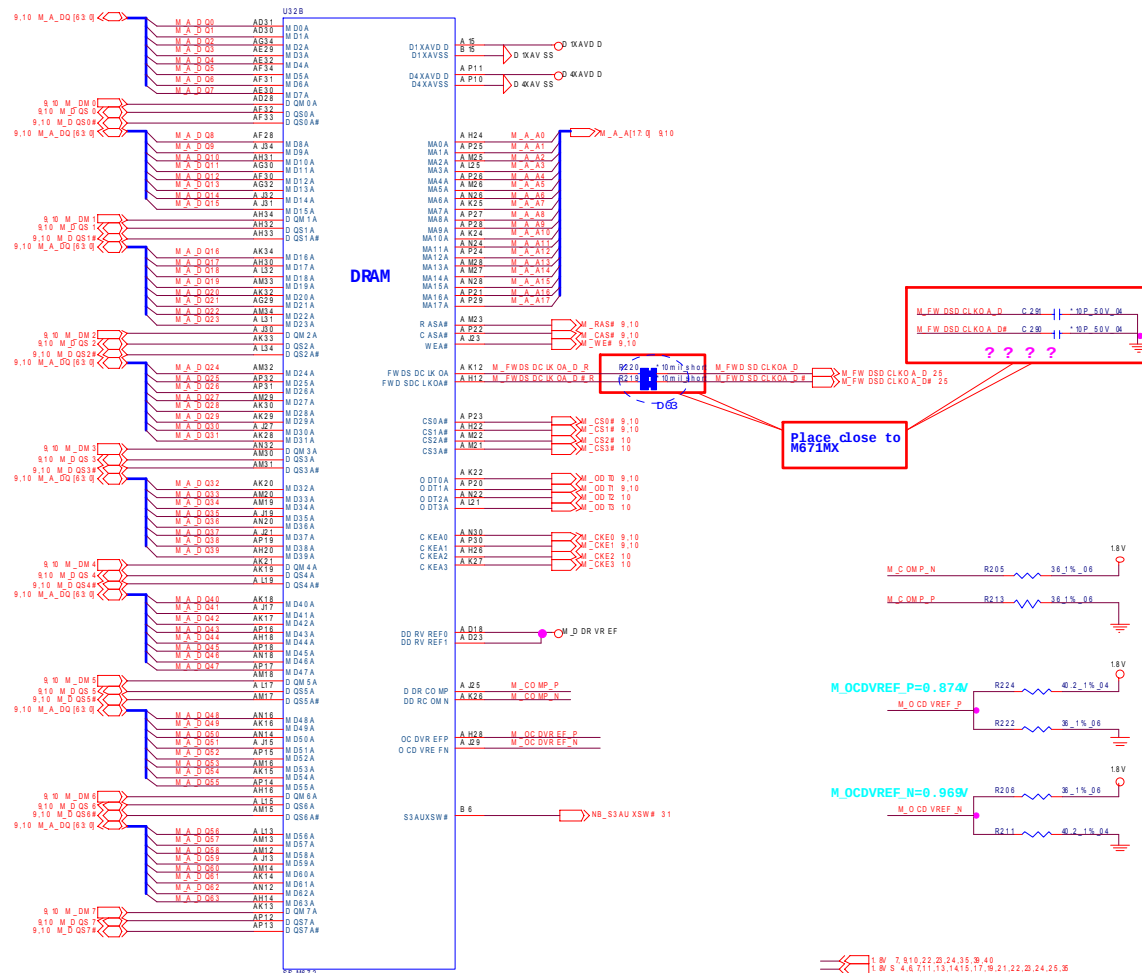
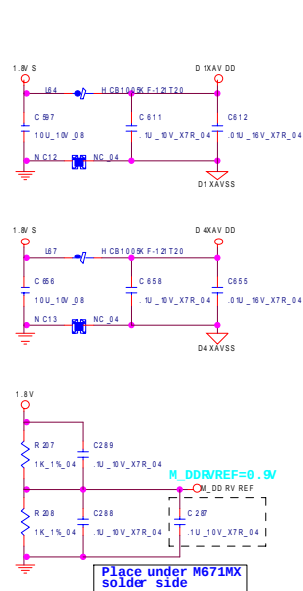
1.0V5 2.487.24.39
1.0V5 6.3335
VCCORE 37

SiSM672 Host, PCIE 1/5 B - 5



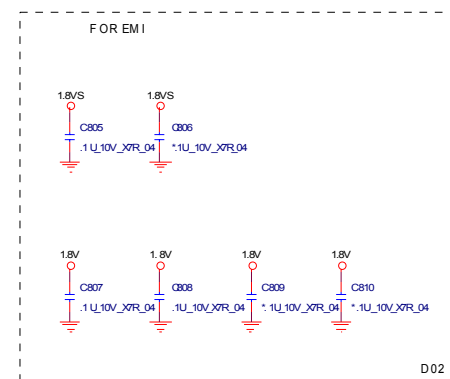
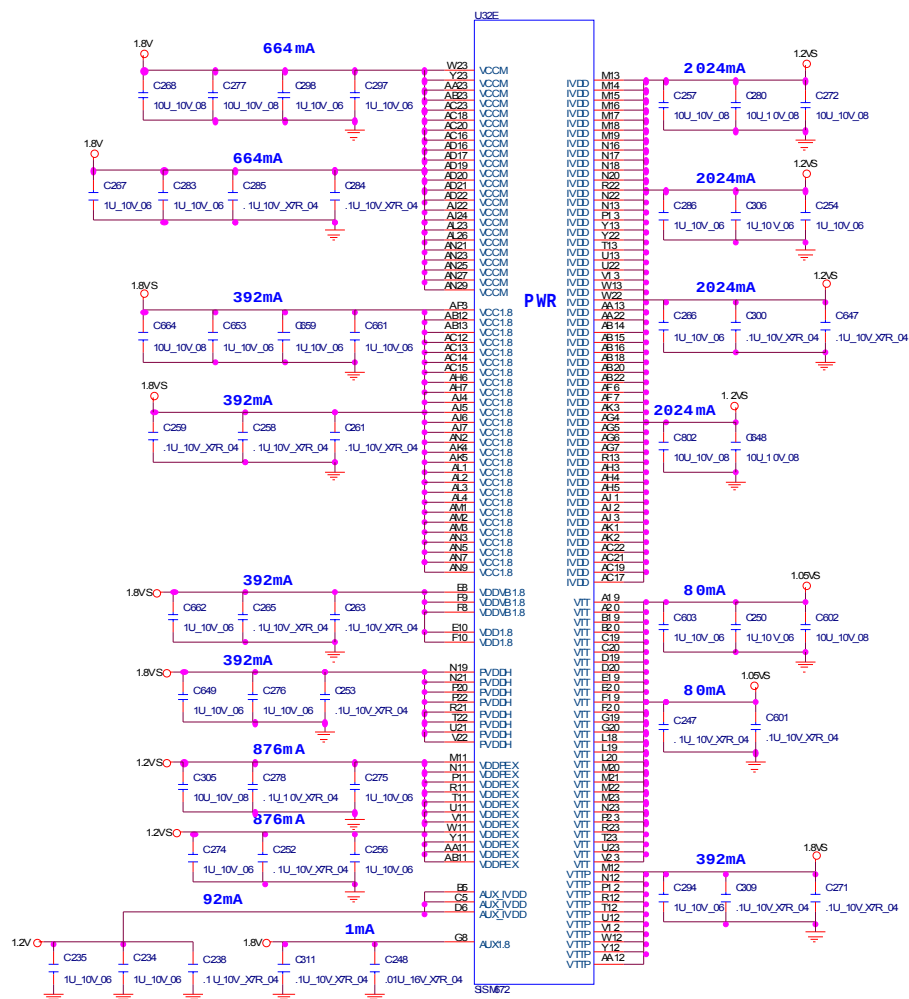
SiSM672 DRAM 2/5

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SiSM672 DRAM 2/5



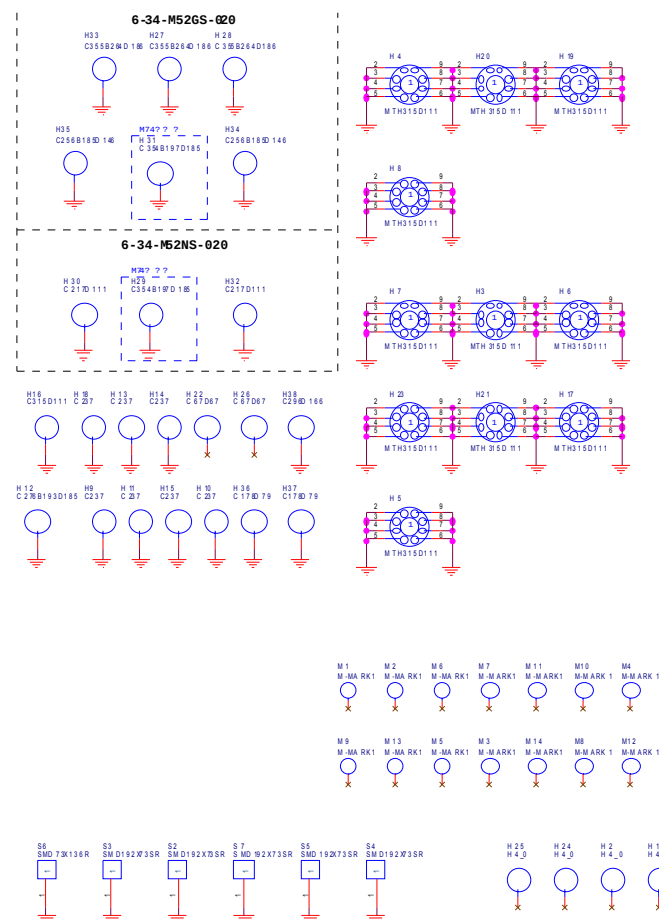
B.Schematic Diagrams

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SiSM672 PWR 4/5

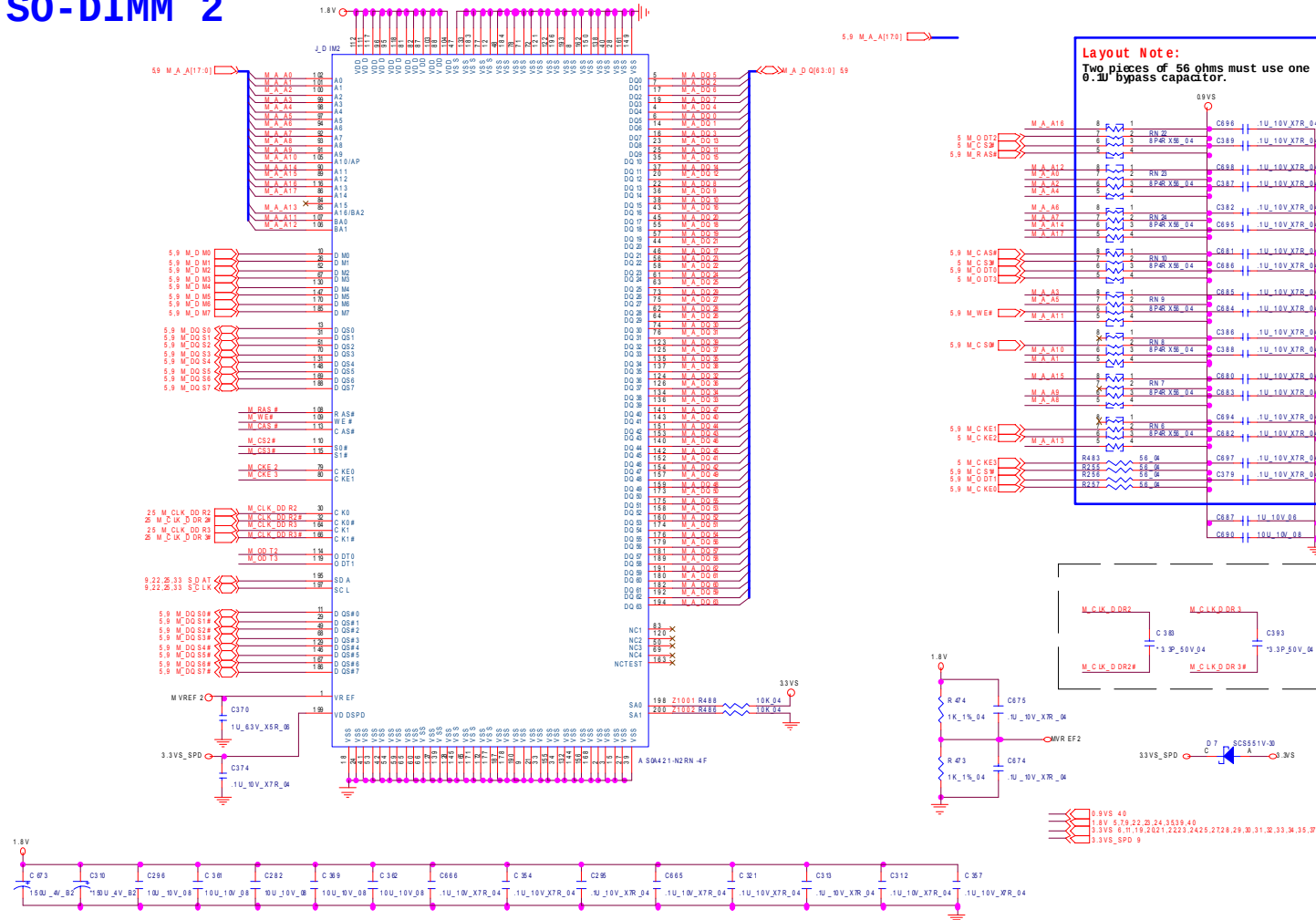



 1.05V 2,3,4, 6,24,39
 1.2V 35,39
 1.2V 4,35
 1.8V 5,9,10,22,23, 24,35,39,40
 1.8V 4,5,6, 11,13,14,15, 17,19,21,22,23, 24,25,35

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SiSM672 GND 5/5

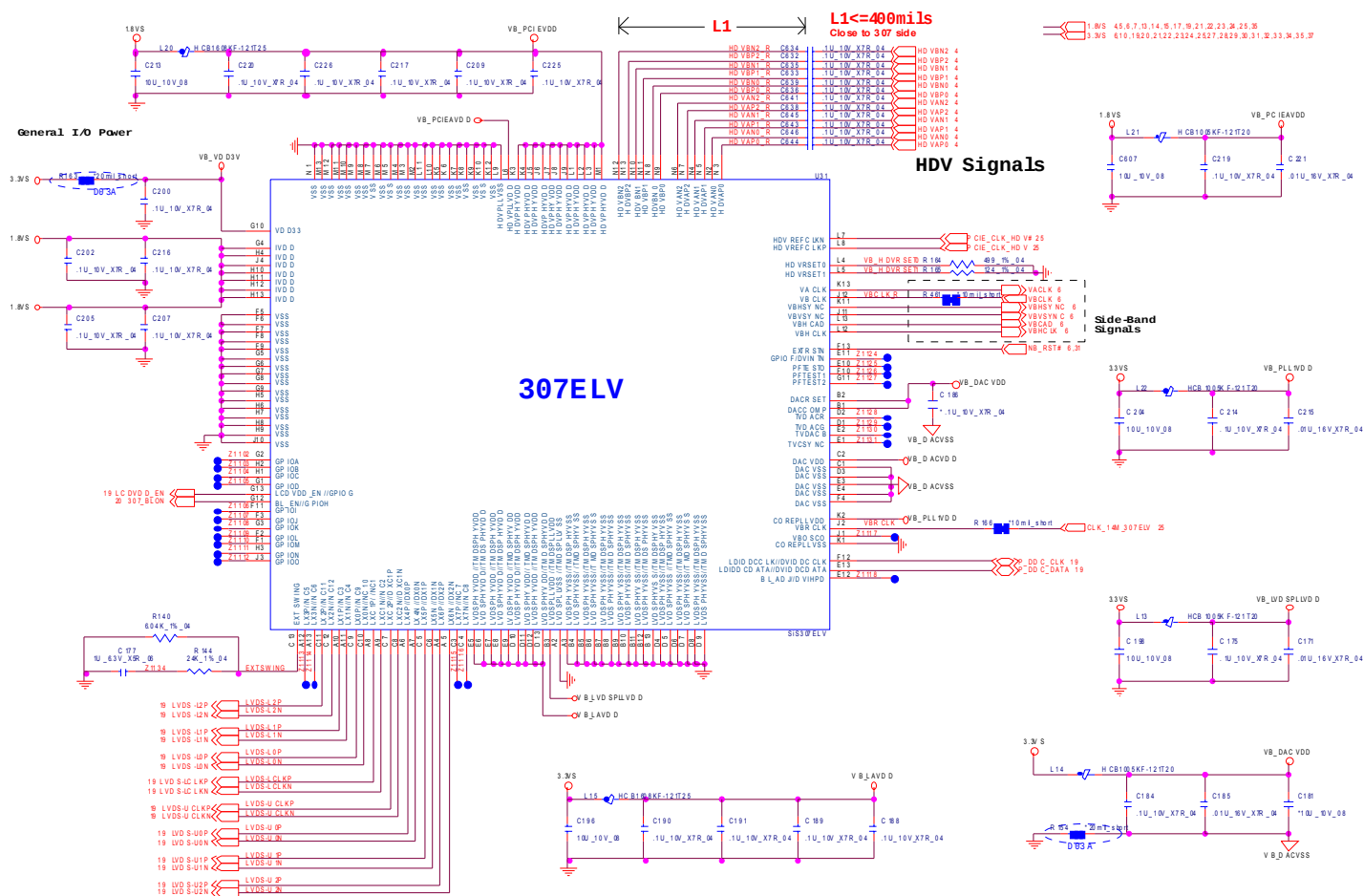


SO-DIMM 2



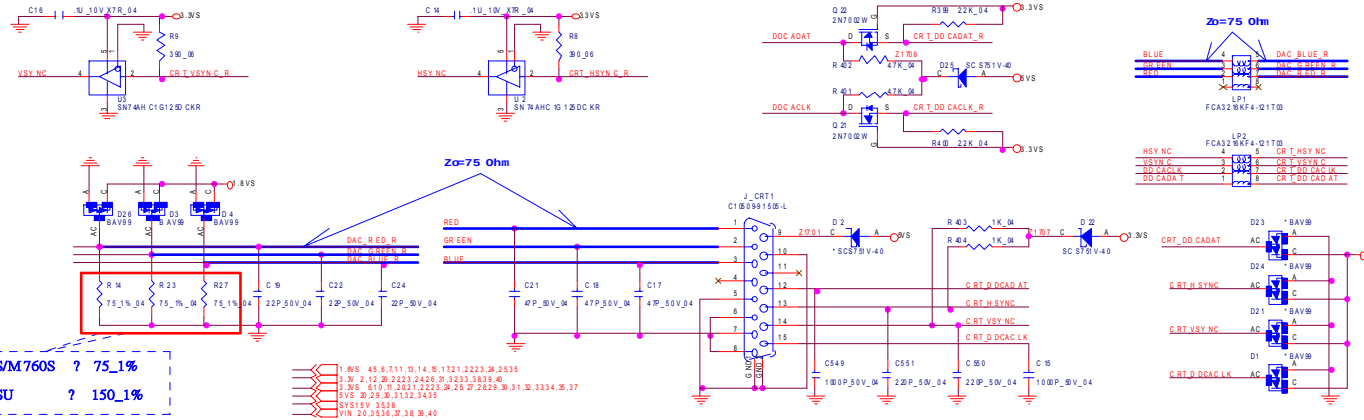
SiS307ELV

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SiS307ELV

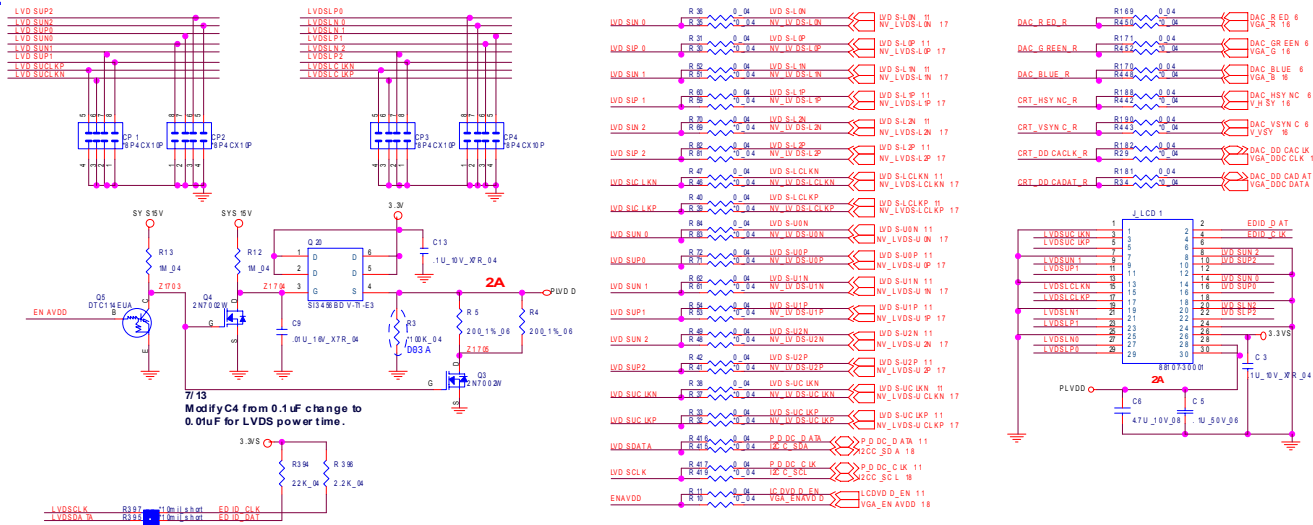


Panel, CRT

CRT

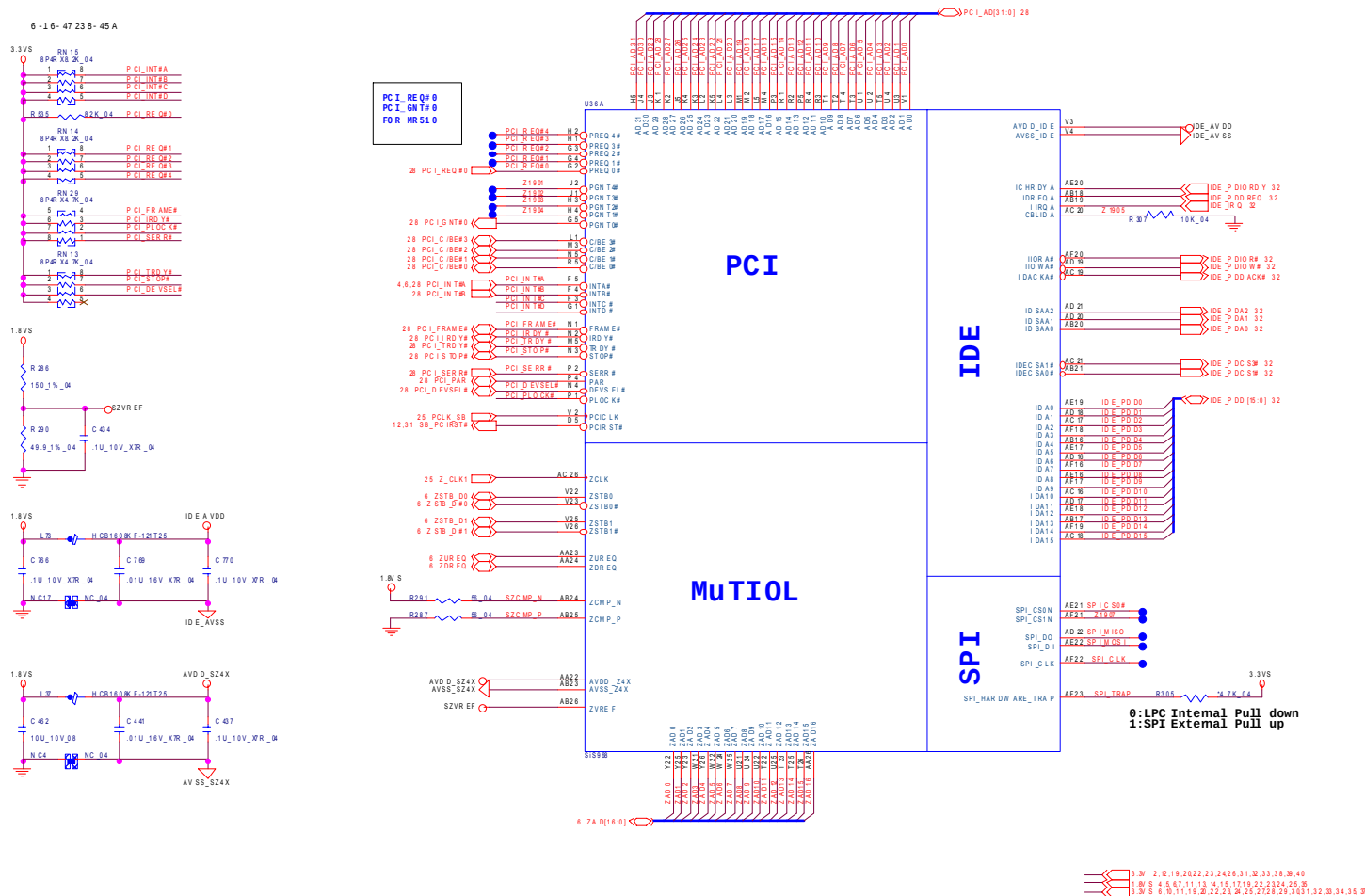


PANEL

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Panel, CRT

Schematic Diagrams

968 PCI, IDE, MuTIOL, SPI 1/4

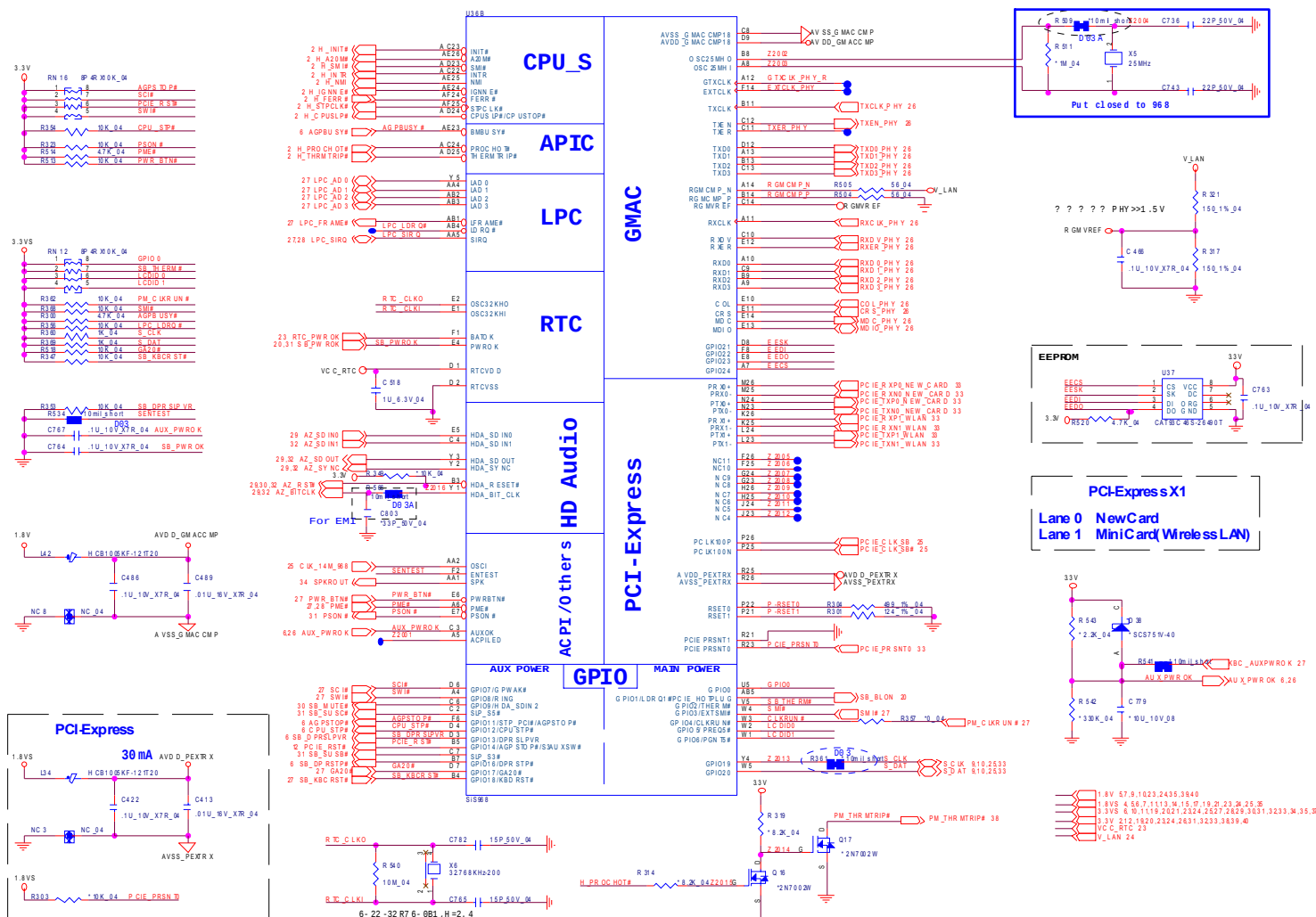


B.Schematic Diagrams

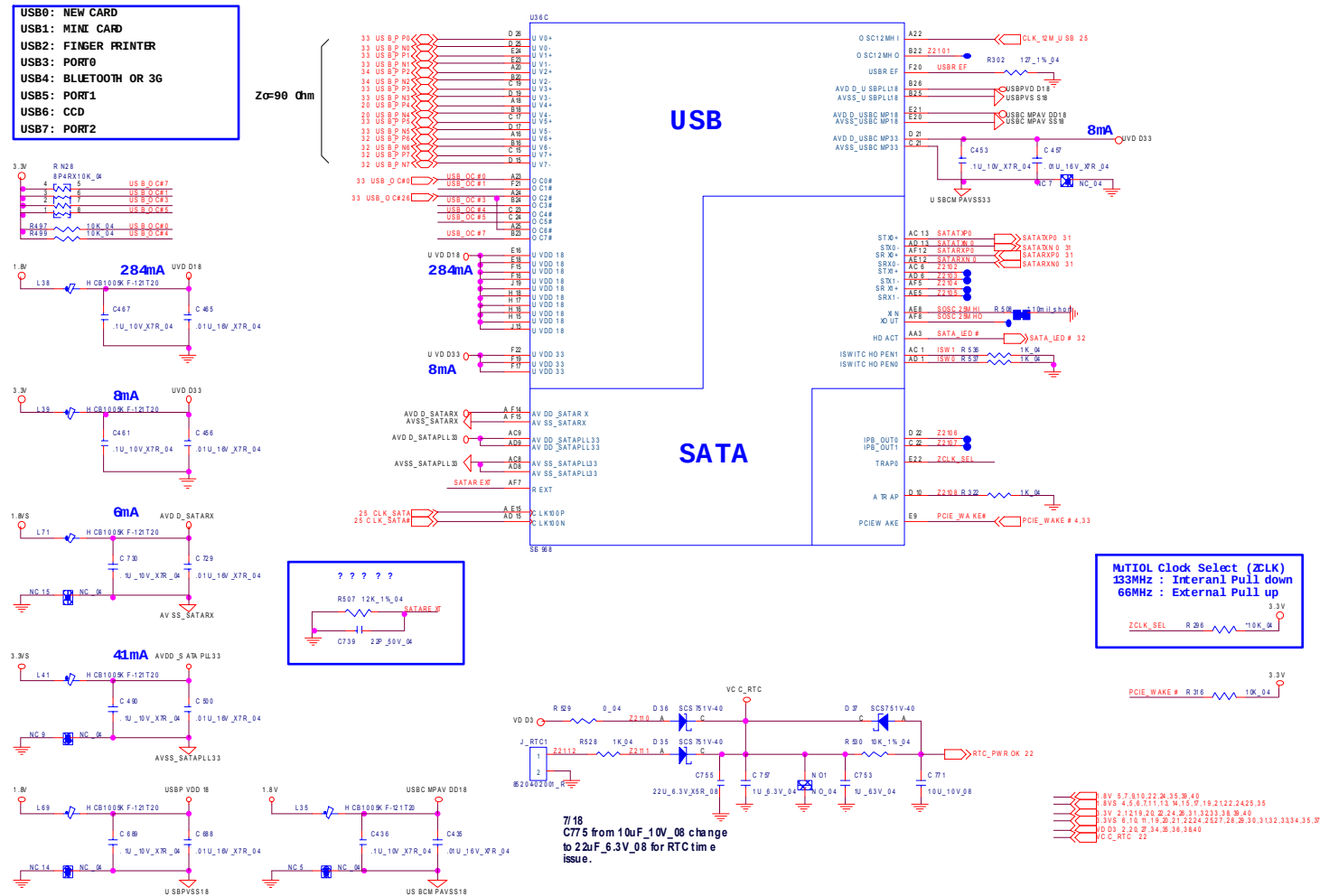
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968 PCI, IDE,
MuTIOL, SPI 1/4

B.Schematic Diagrams

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968 PCIE, LAN,
GPIO 2/4



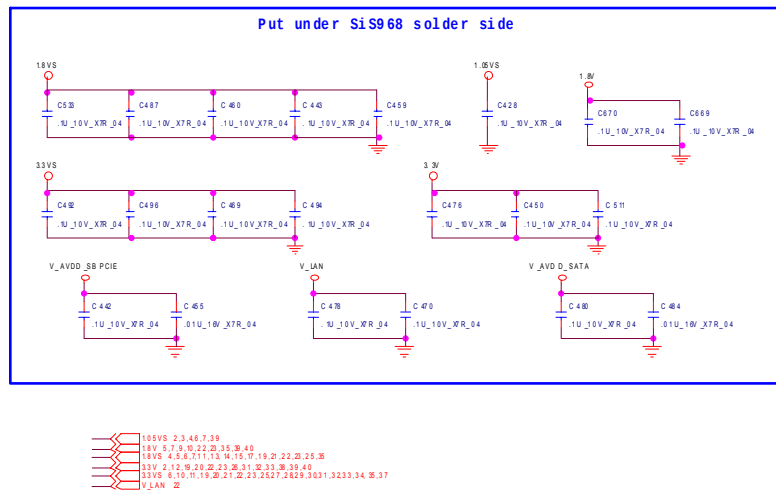
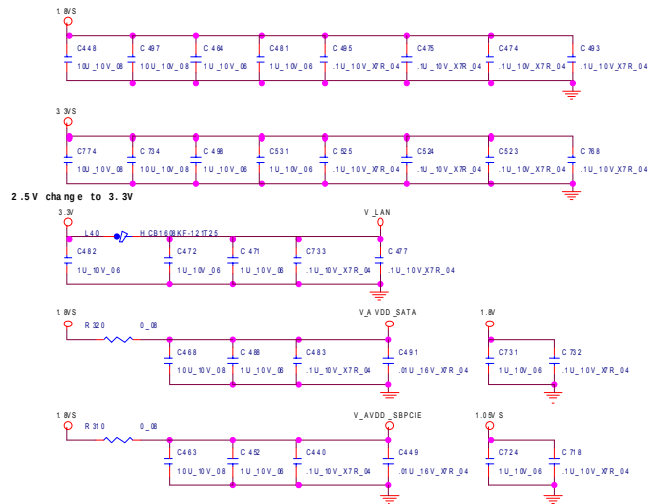
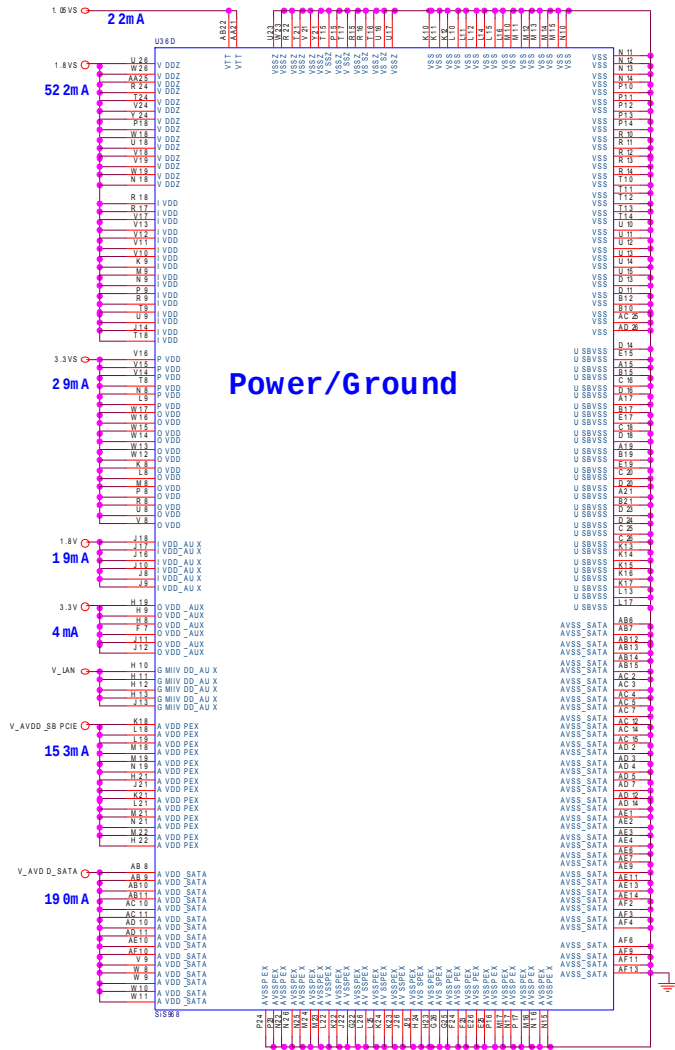
968 USB SATA 3/4

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968 USB SATA 3/4

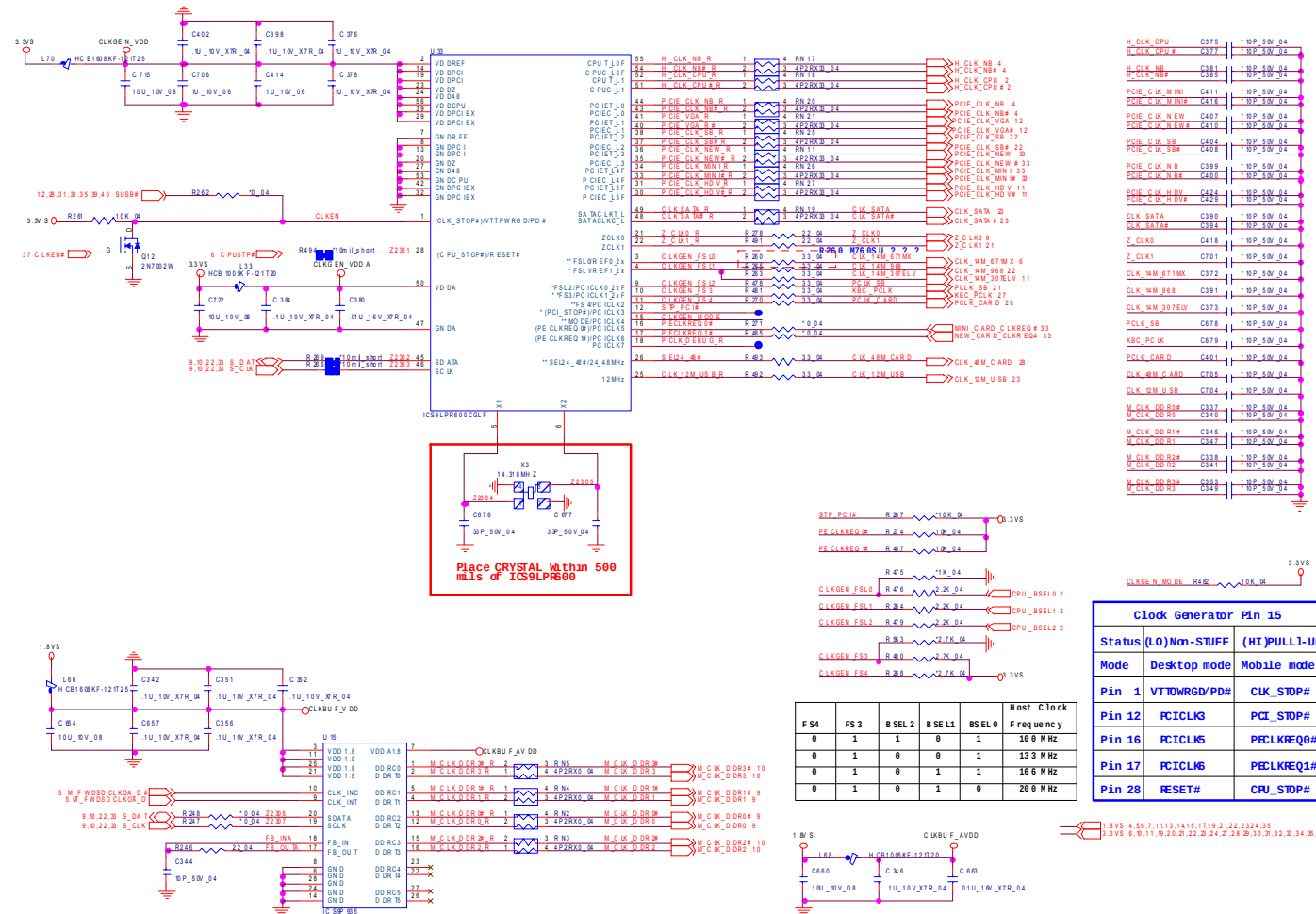
968 PWR, GND 4/4

B. Schematic Diagrams

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968 PWR, GND 4/4



Clock Generator & Clock Buffer

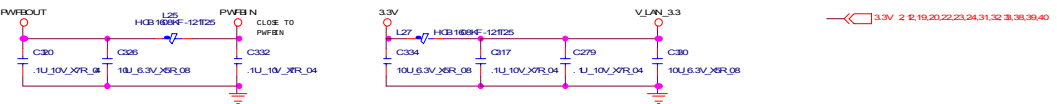
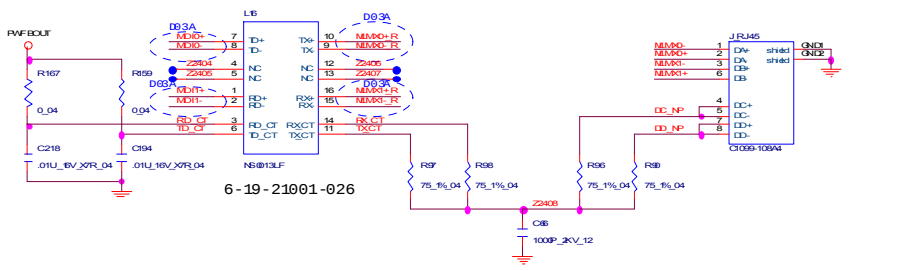
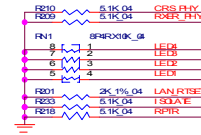
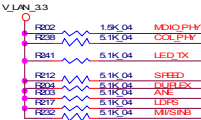
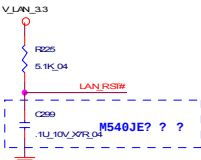
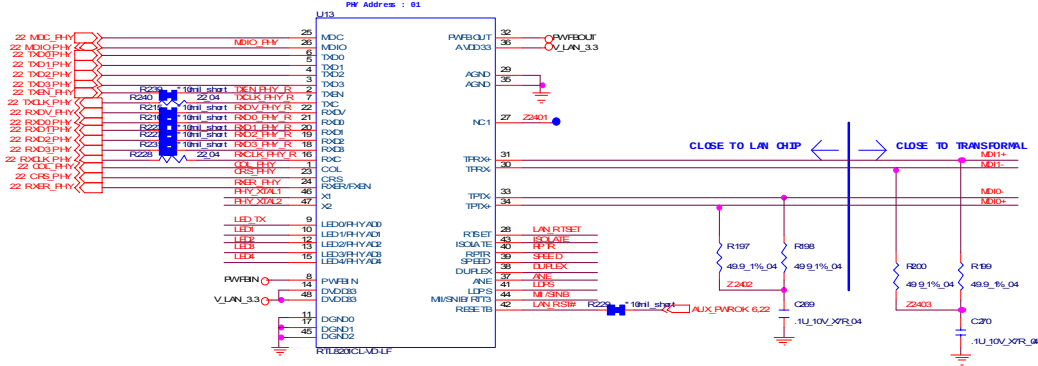
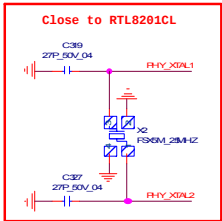


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Clock Generator &
Clock Buffer

Schematic Diagrams

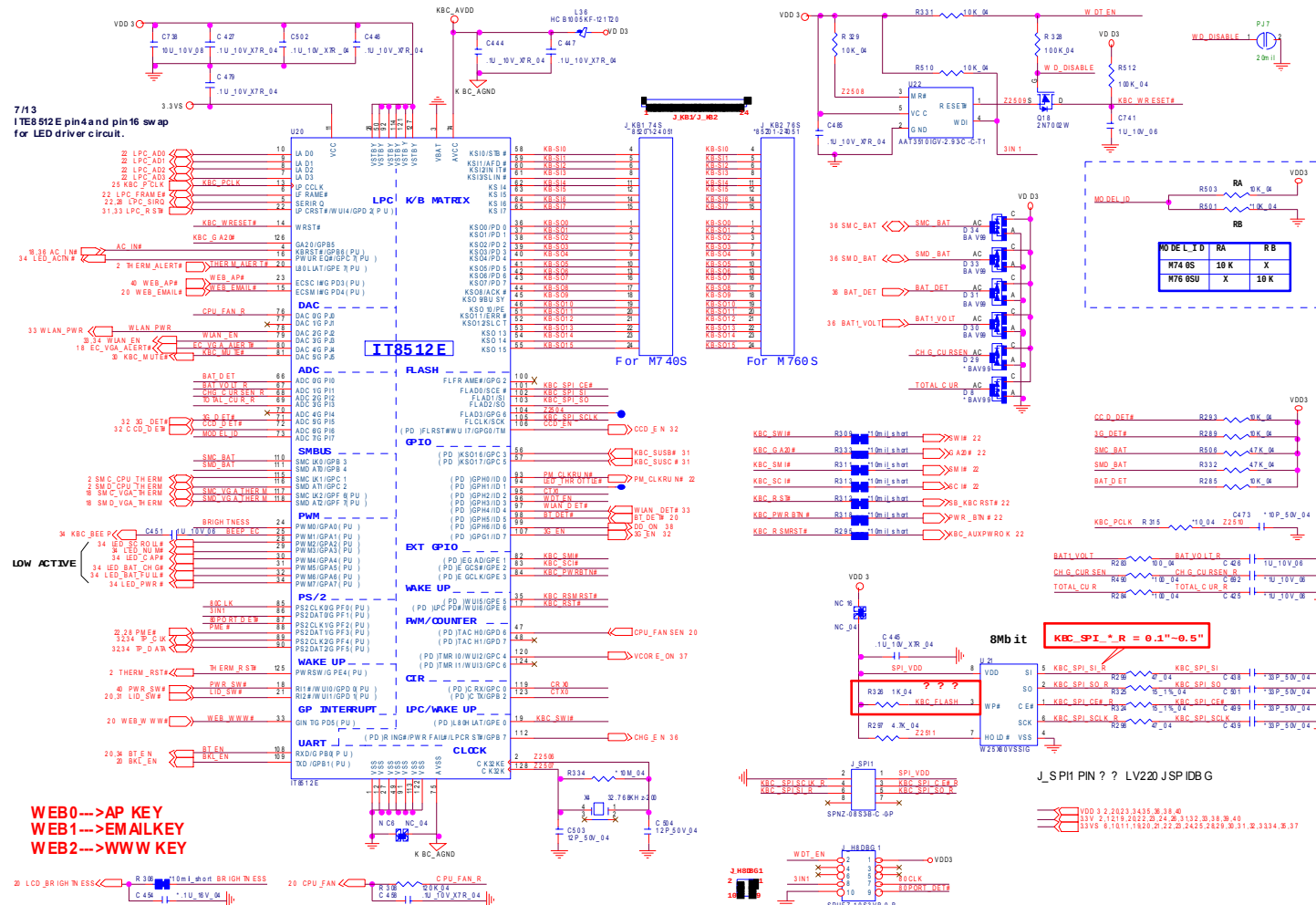
PHY Realtek 8201CL

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PHY Realtek
8201CL



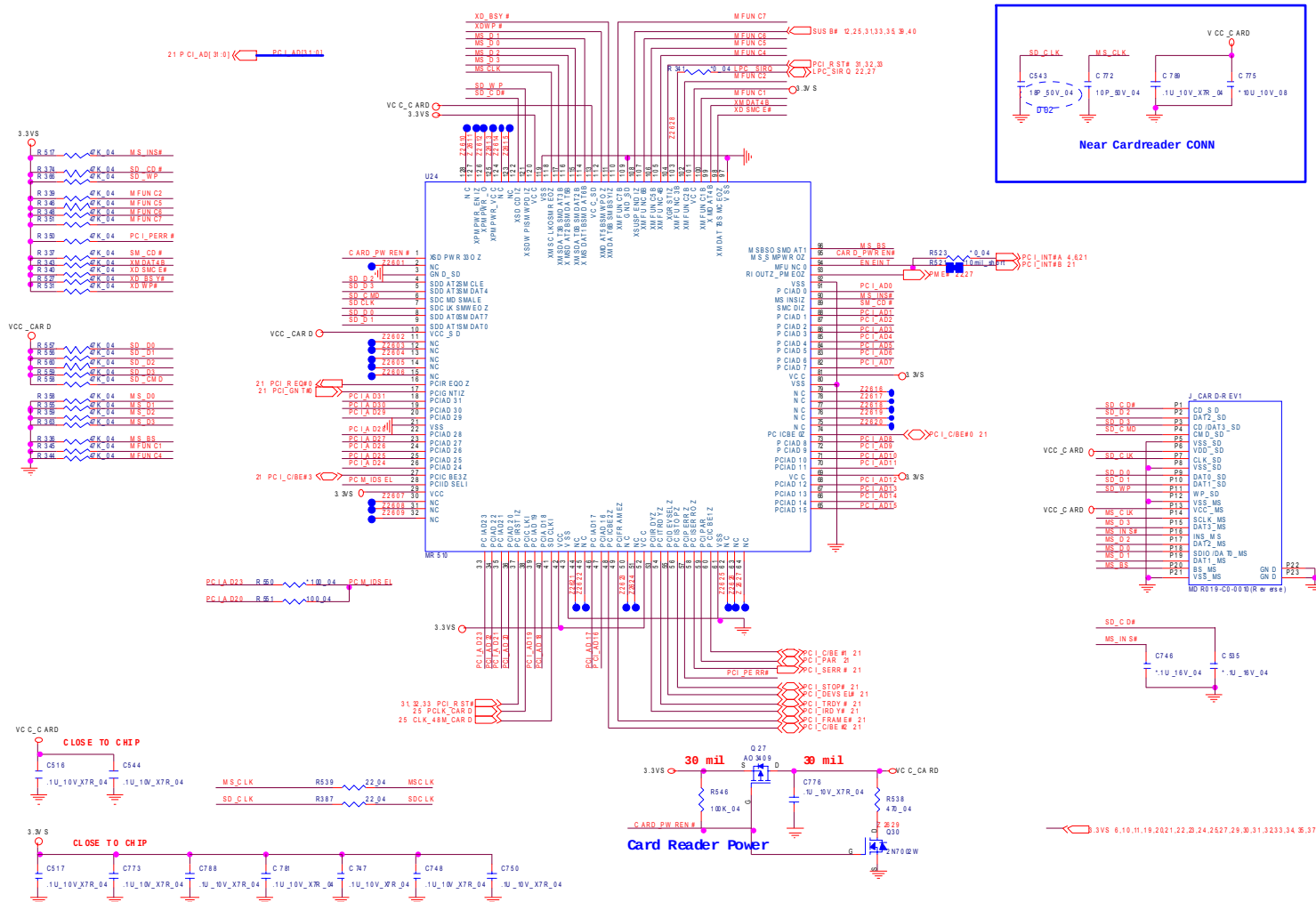
KBC ITE8512E B - 21

B.Schematic Diagrams

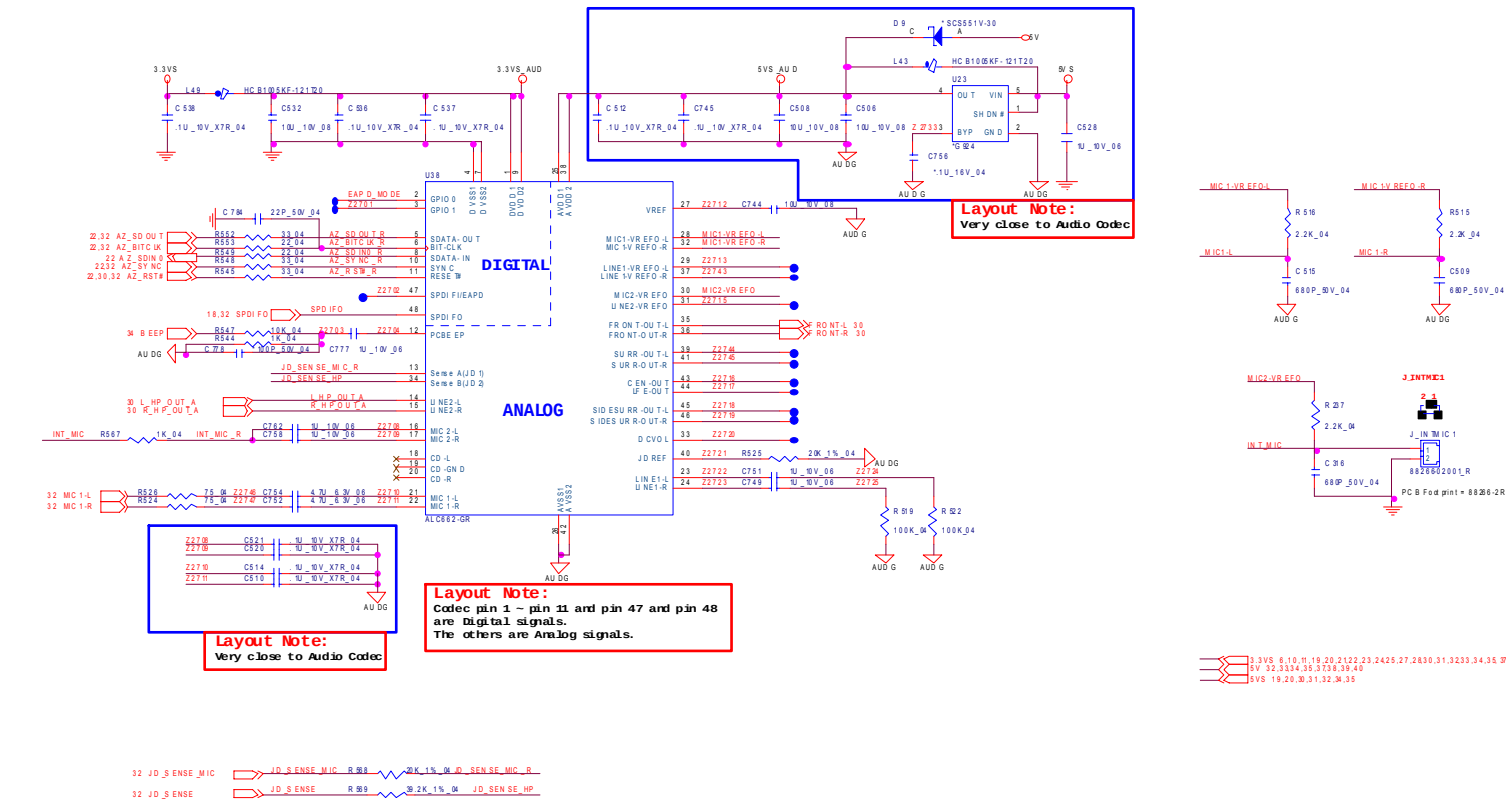


B.Schematic Diagrams

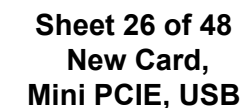
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ENE MR510,
Card Reader



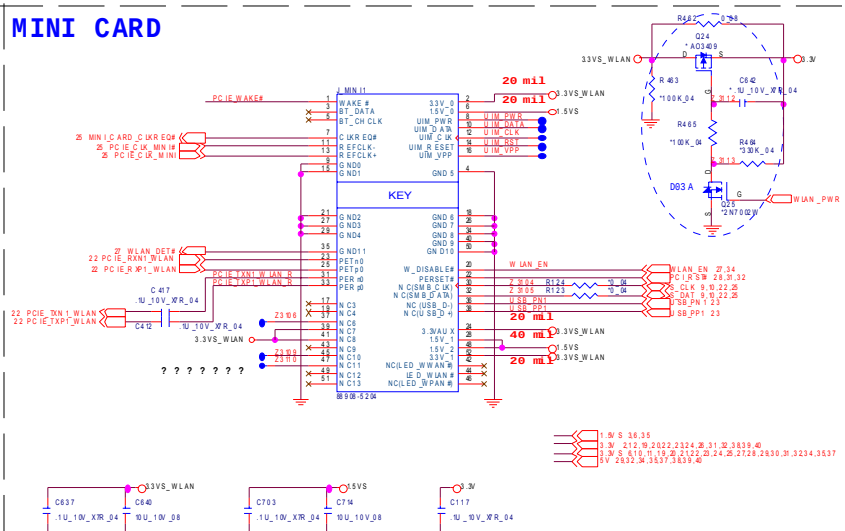
Audio Codec ALC662



NEW CARD



MINI CARD

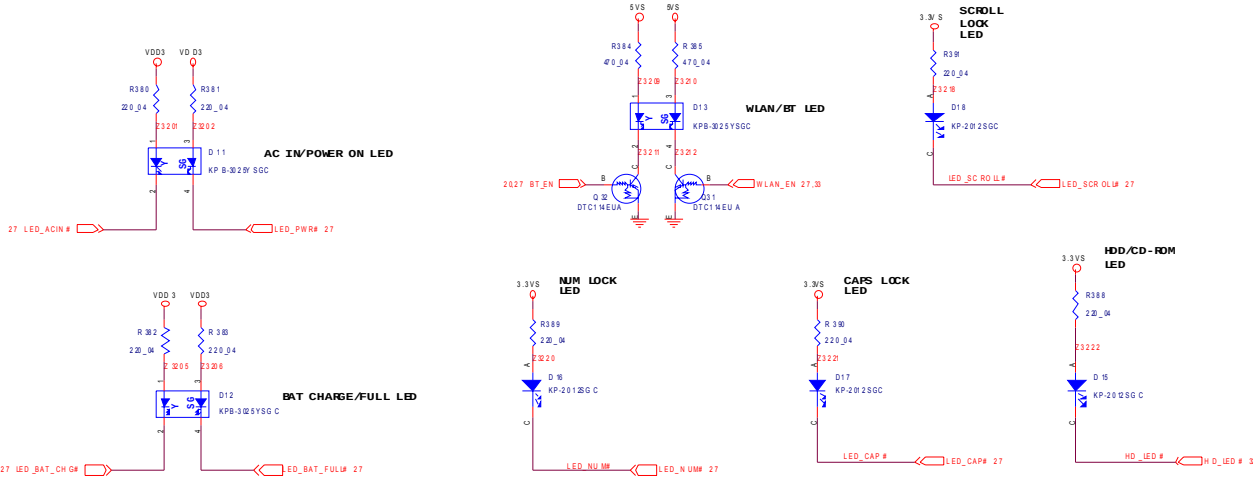


Schematic Diagrams

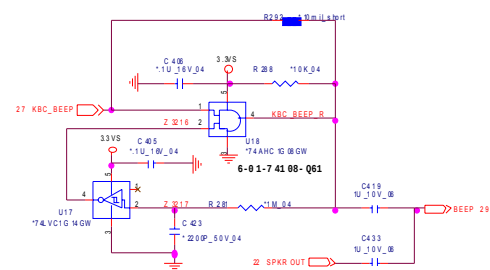
LED, PC Beep, TP, FP

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LED, PC Beep, TP,
FP

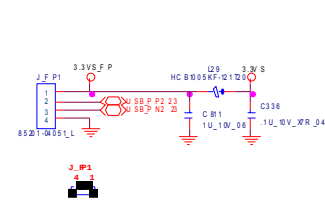
LED



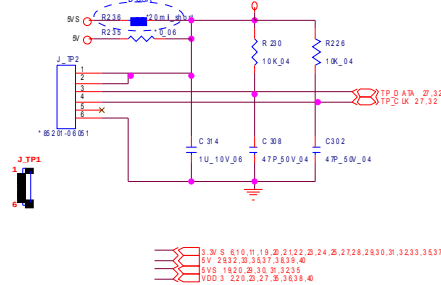
PC BEEP



FP CONN

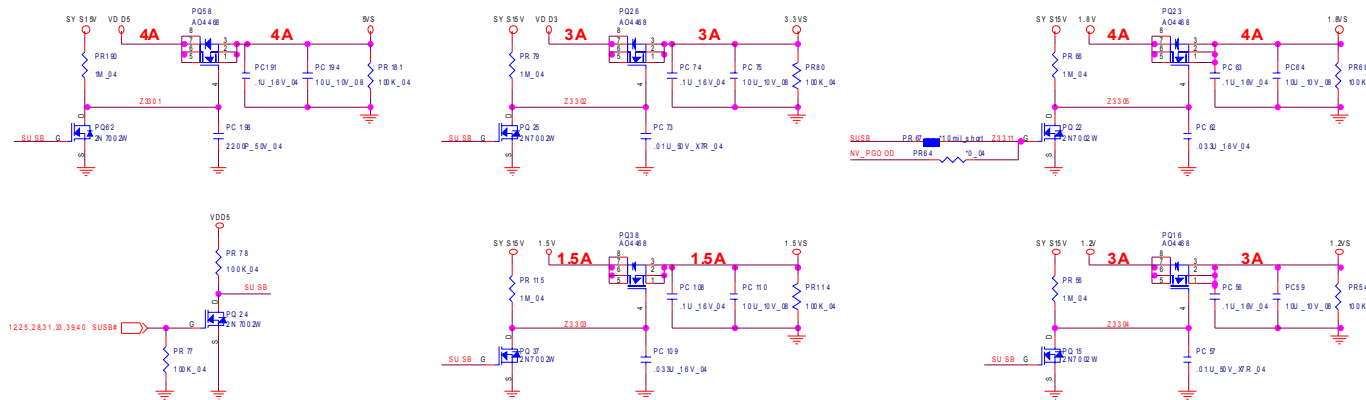


CLICK CONN For M76



System/Ext-VGA Power

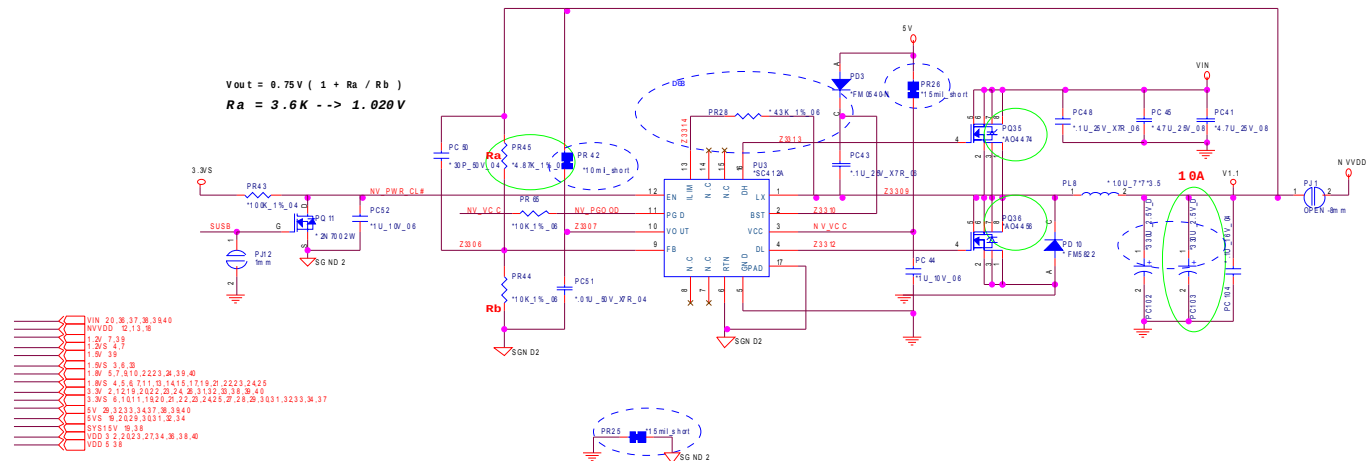
1.2VS, 1.5VS, 1.8VS, 3.3VS, 5VS



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System/Ext-VGA
Power

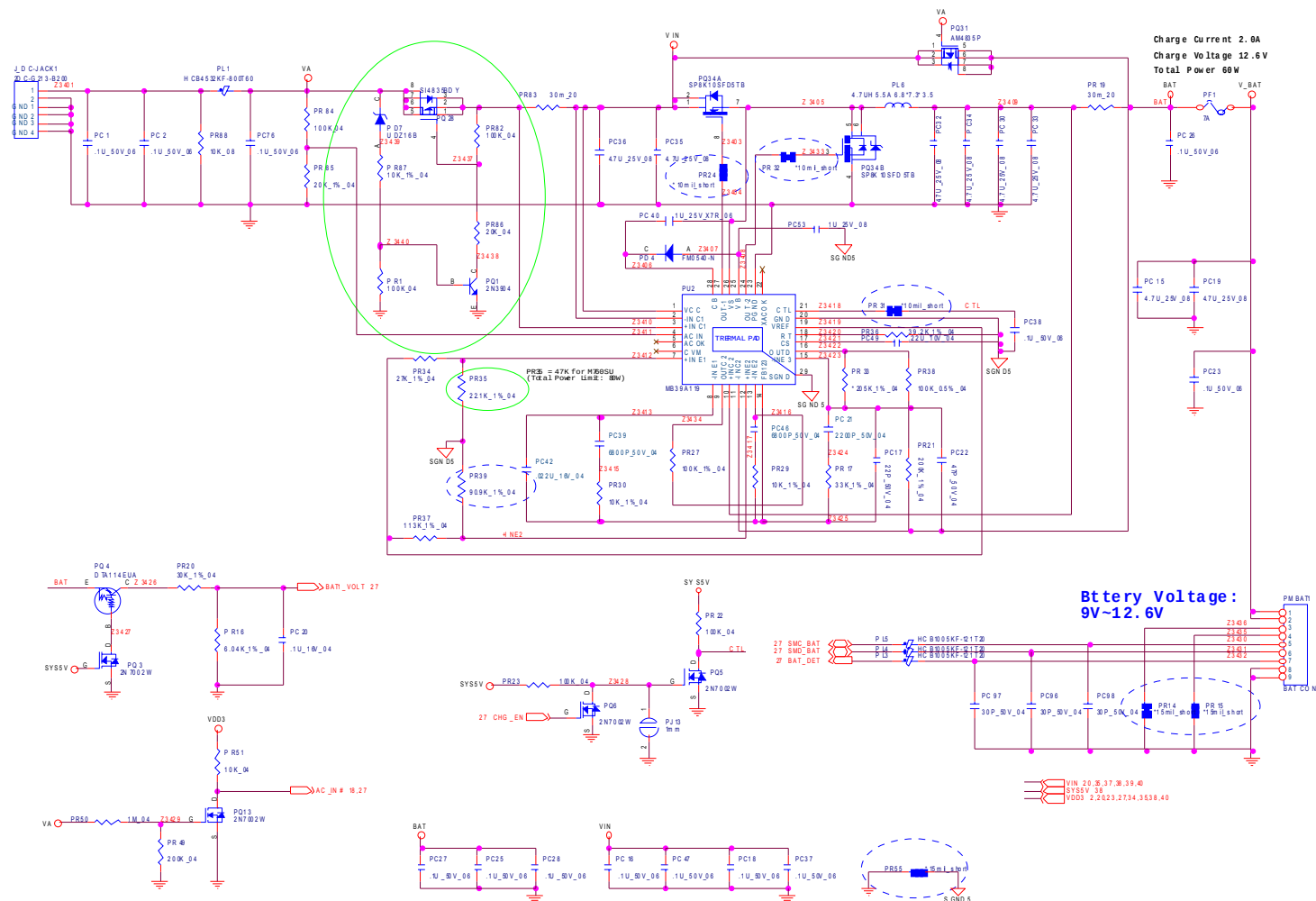
B.Schematic Diagrams

M760US



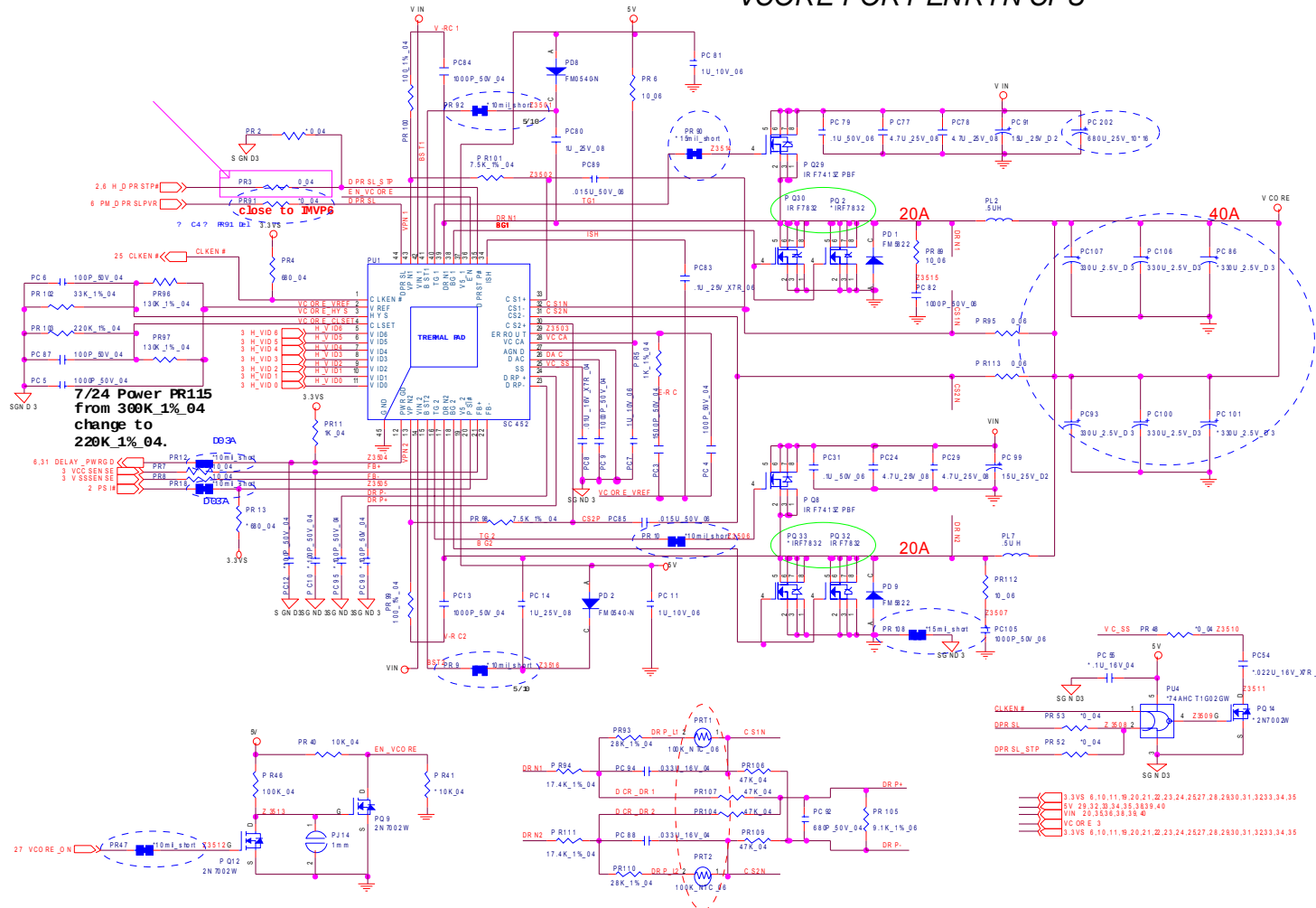
B.Schematic Diagrams

Sheet 29 of 48
AC-IN, Charger



VCORE

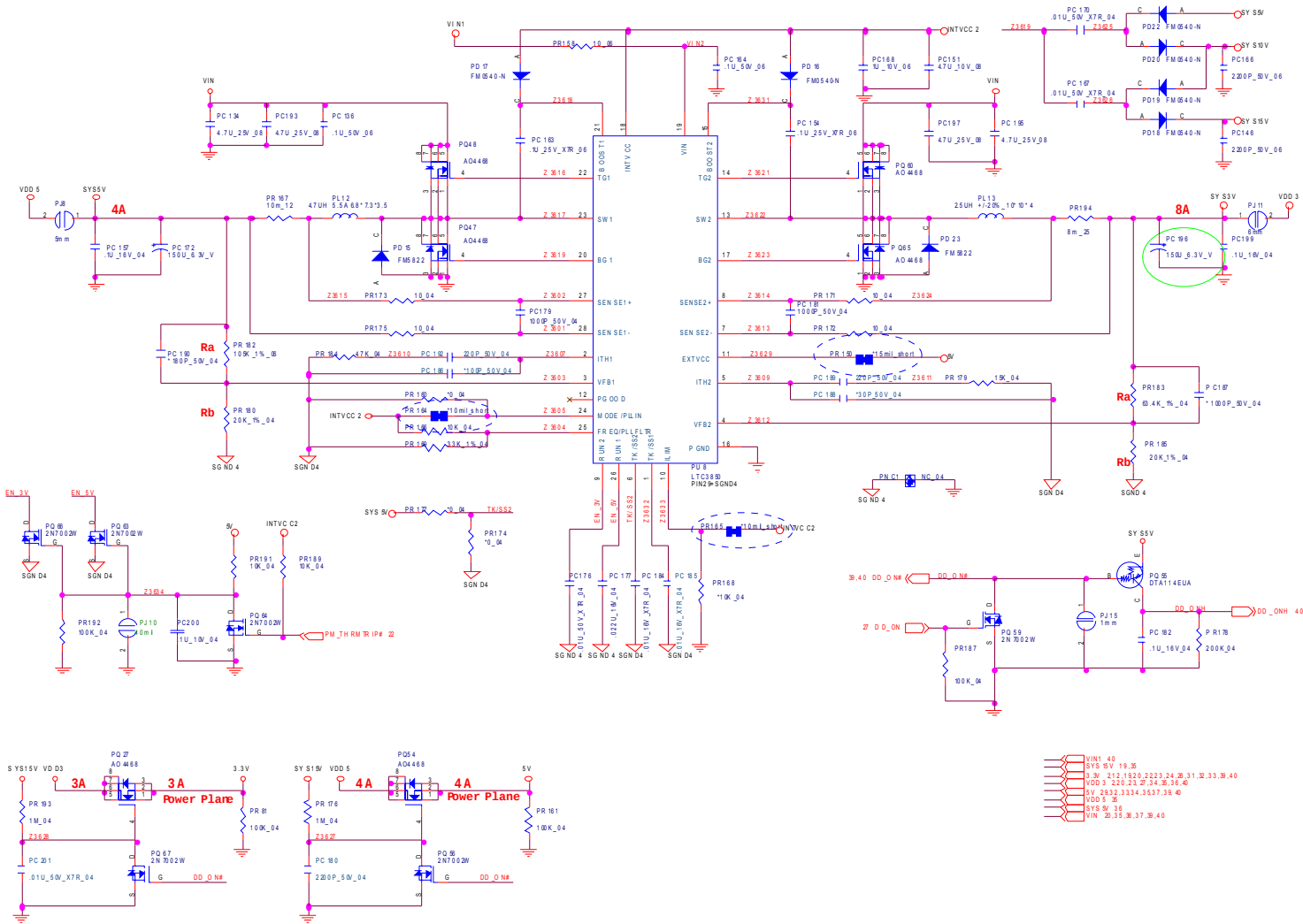
VCORE FOR PENRYN CPU

Sheet 30 of 48
VCORE

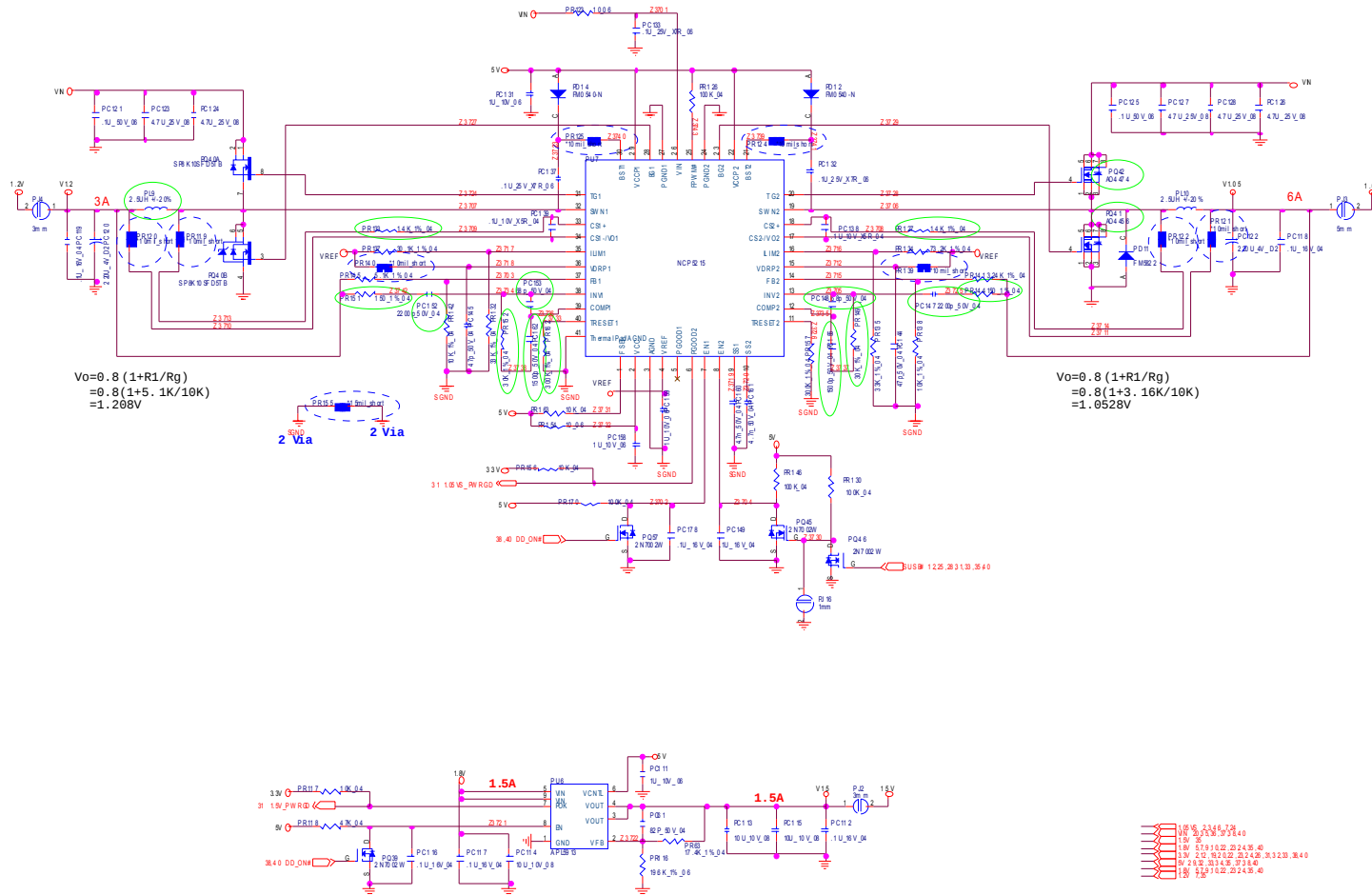
Schematic Diagrams

VDD3, VDD5)

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VDD3, VDD5



1.05VS, 1.2V, 1.5V



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1.05VS, 1.2V, 1.5V

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Click BD, Finger BD
for M76

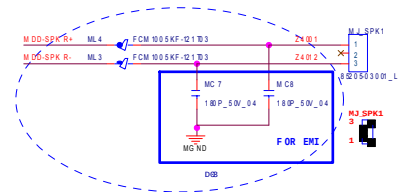


Schematic Diagrams

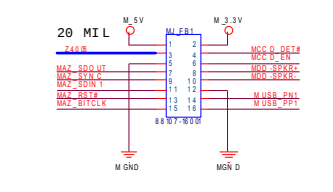
Multi Function Board

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Multi Function
Board

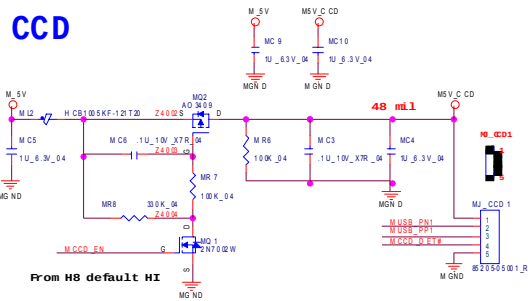
SPEAKER CONNECTOR



MULTI I/O CONN

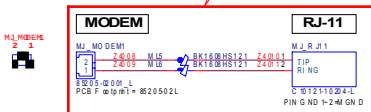


CCD

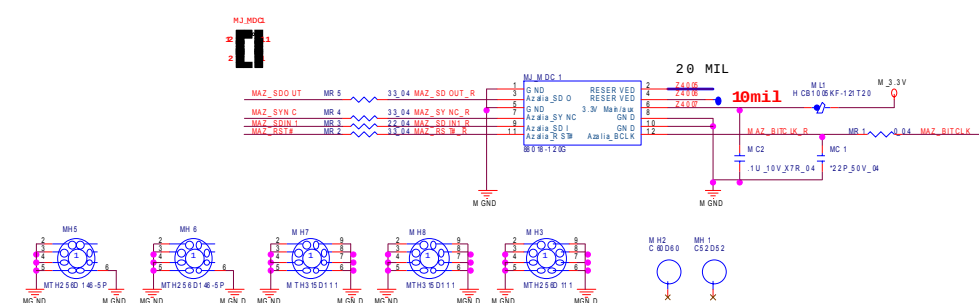


RJ-11

?? ? ? ? ? ? ? ? ?
?? 2.5mm ??

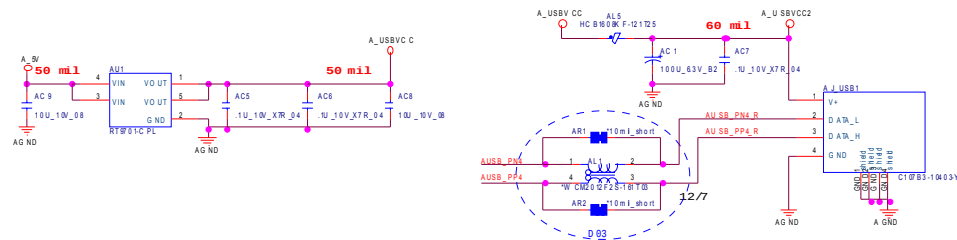


MDC MODULE

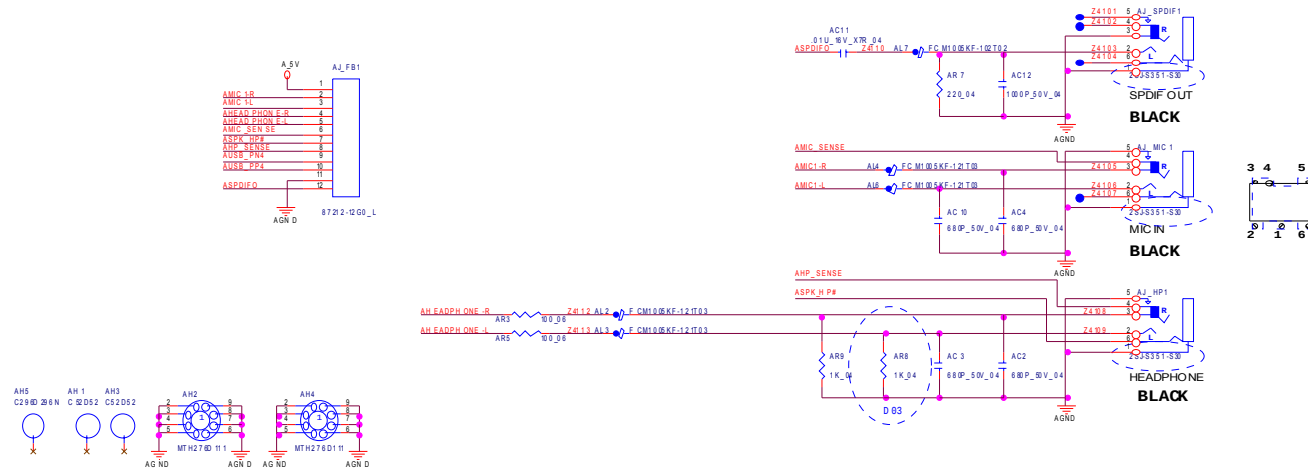


Audio Board

USB PORT



AUDIO JACK



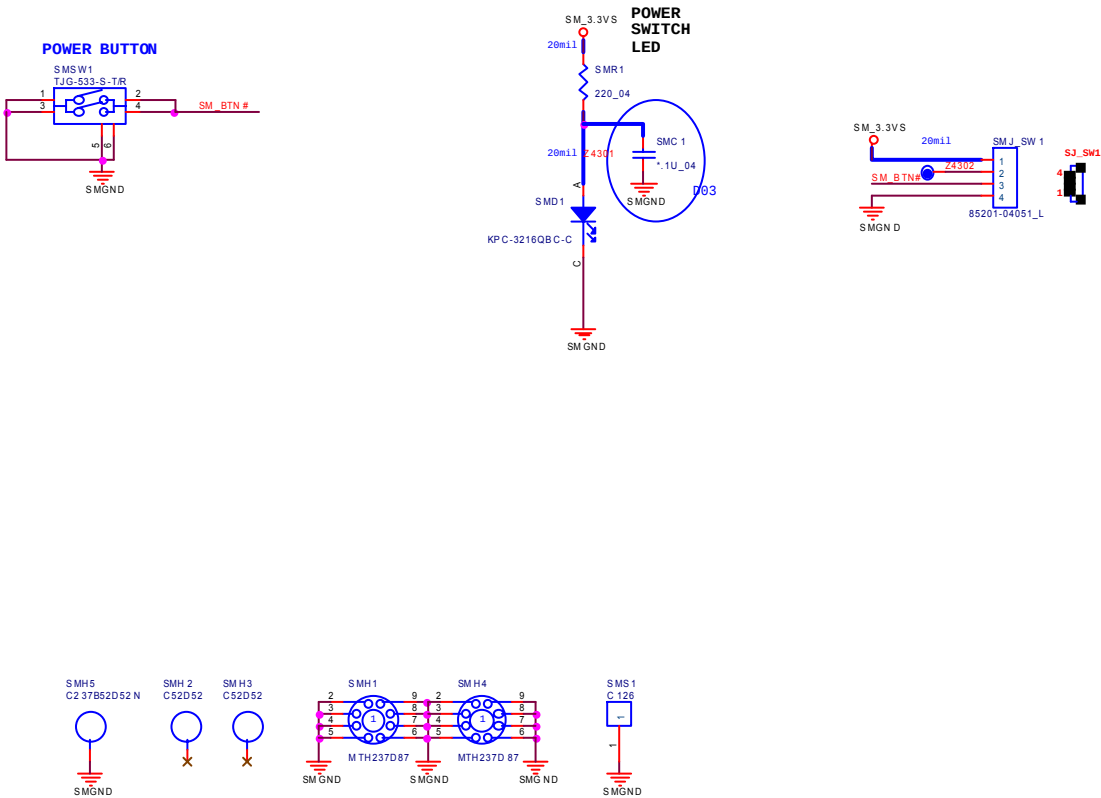
Sheet 36 of 48
Audio Board

Schematic Diagrams

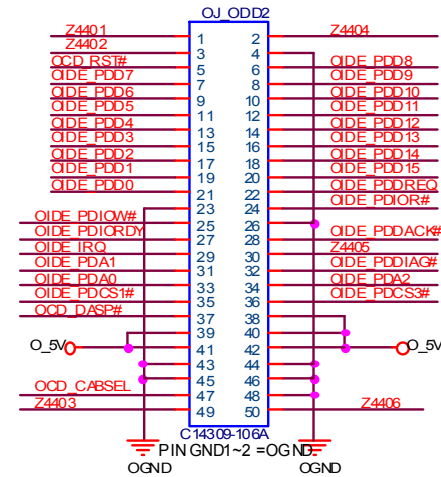
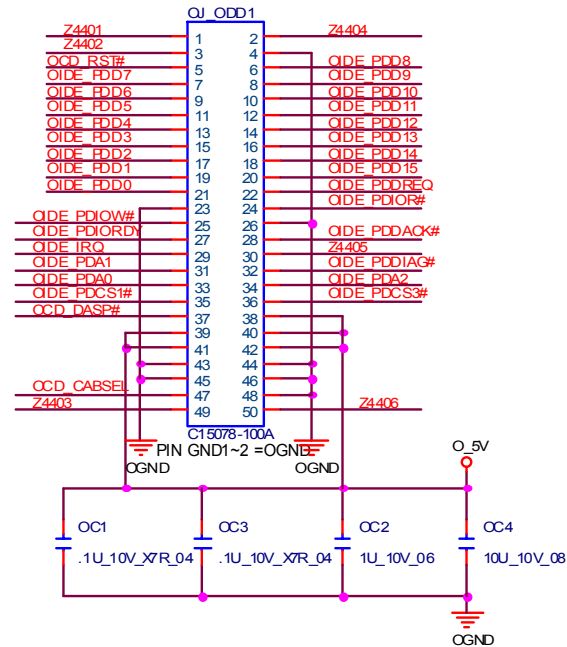
Power Switch Board for M74

POWER SW & POWER LED FOR M74

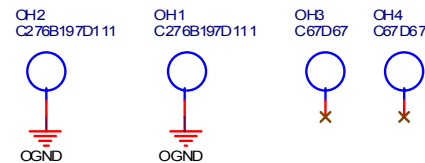
Sheet 37 of 48
Power Switch
Board for M74



External ODD Board for M76



Sheet 38 of 48
External ODD
Board for M76



Schematic Diagrams

Power Switch Board for M76

POWER SW & POWER LED FOR M76

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Power Switch
Board for M76

