

Appendix B:Schematic Diagrams

This appendix has circuit diagrams of the *C5505/C5505Q/C5505C/C5505Q-C* notebook's PCB's. The following table indicates where to find the appropriate schematic diagram.

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Table B - 1
**Schematic
Diagrams**



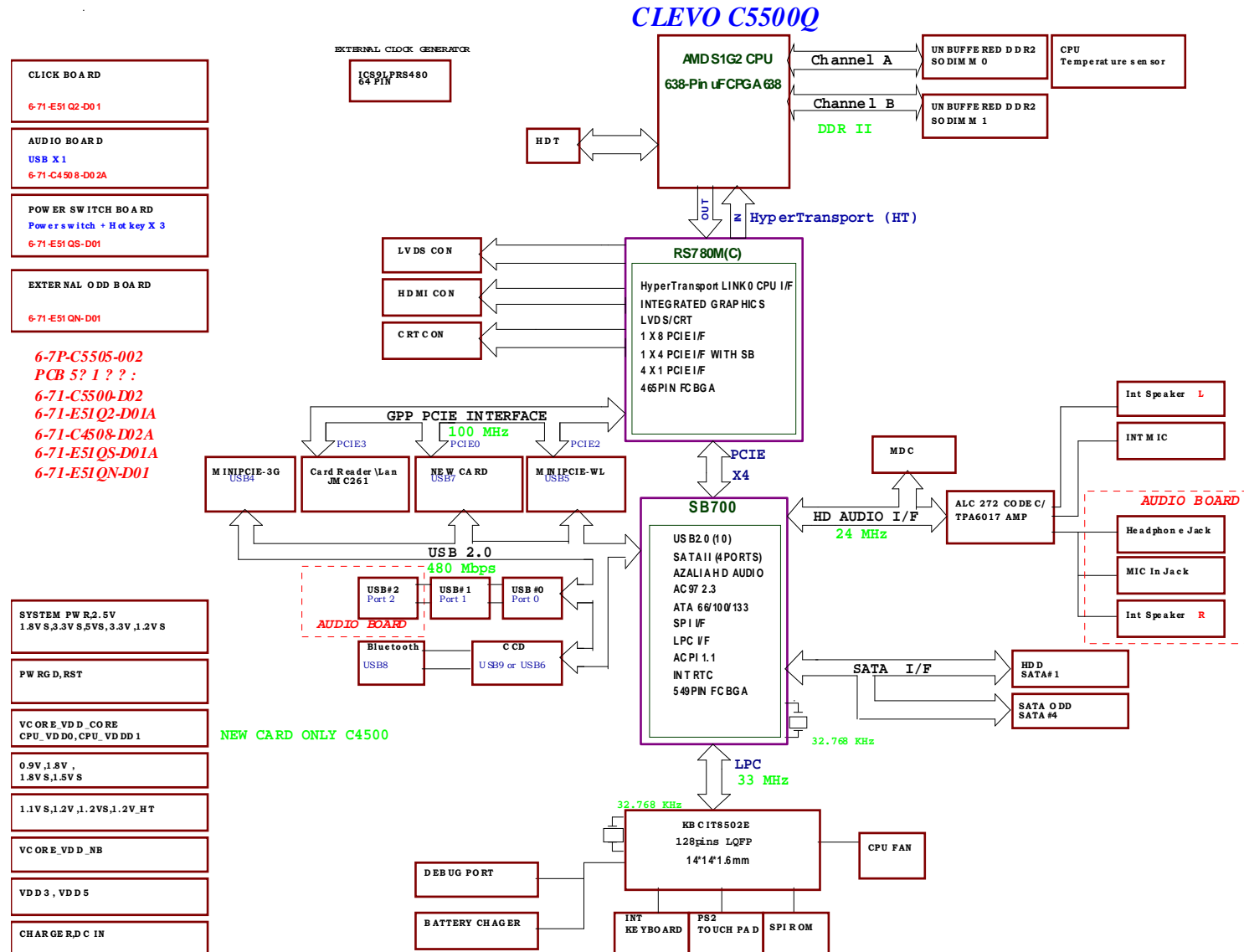
Version Note

The schematic diagrams in this chapter are based upon version 6-7P-C5505-002. If your mainboard (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).

Schematic Diagrams

System Block Diagram

Sheet 1 of 35
System Block
Diagram



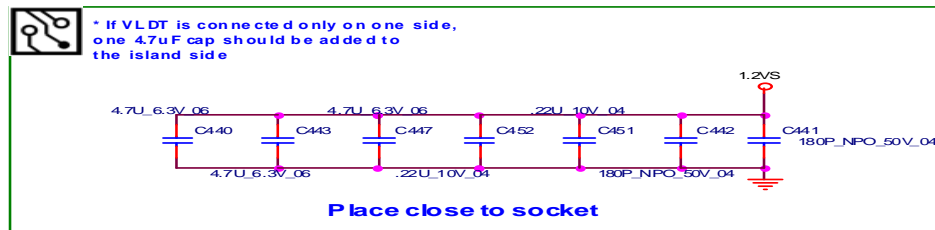
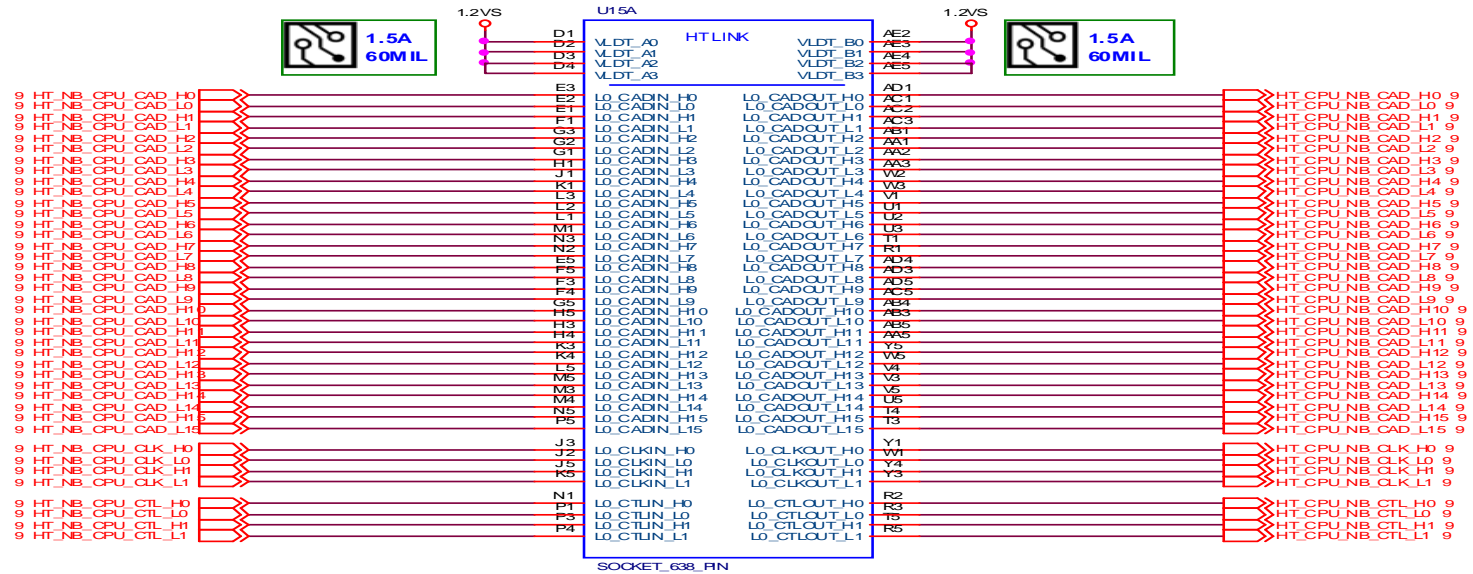
Clock Generator B - 3



Clock chip has internal serial terminations for differential pairs, external resistors are reserved for debug purpose.

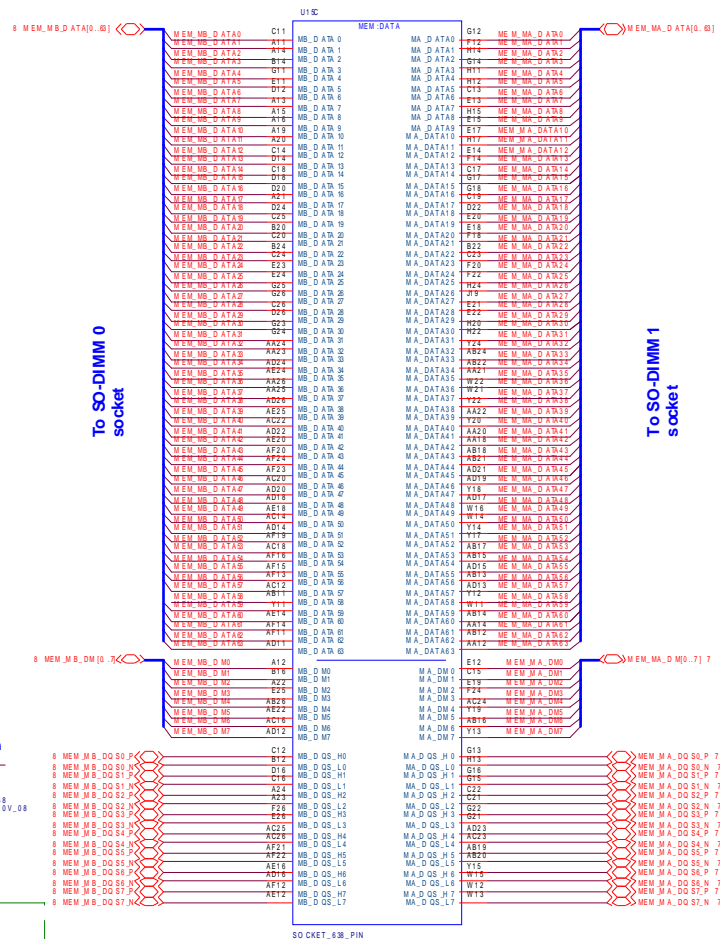
Schematic Diagrams

CPU-1



ELETRÔNICA

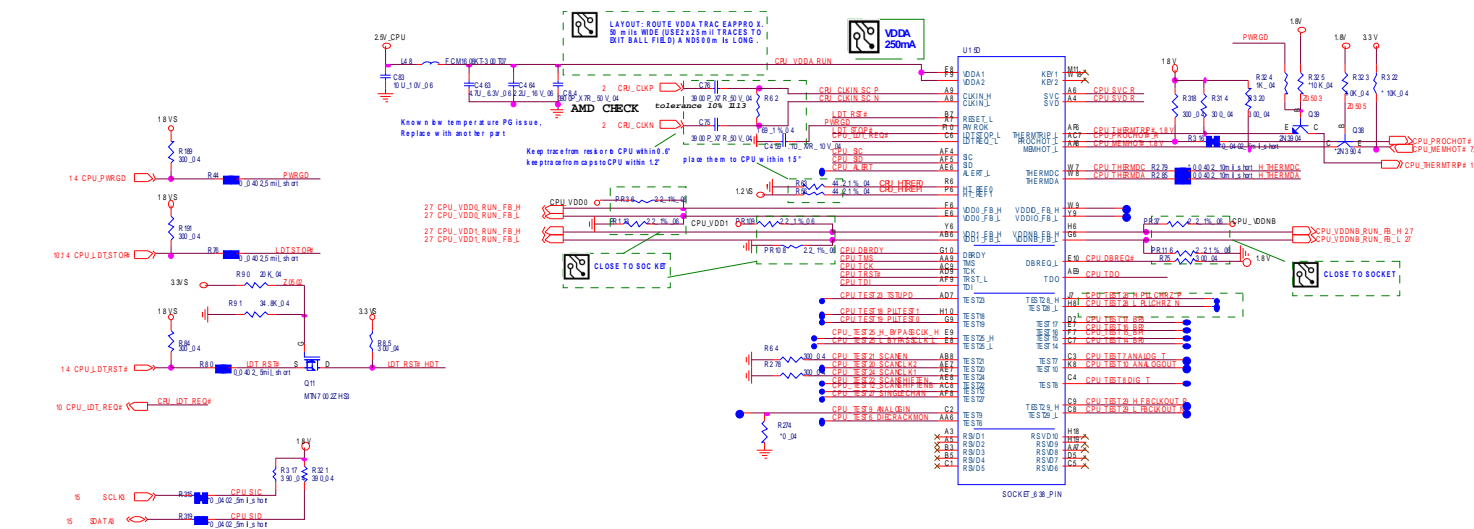
CPU-2 B - 5



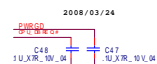
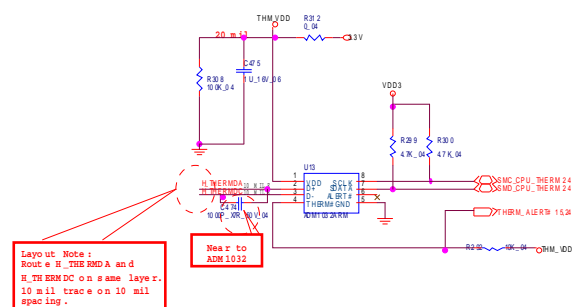
CPU-3

B.Schematic Diagrams

Sheet 5 of 35
CPU-3



VID Override Circuit



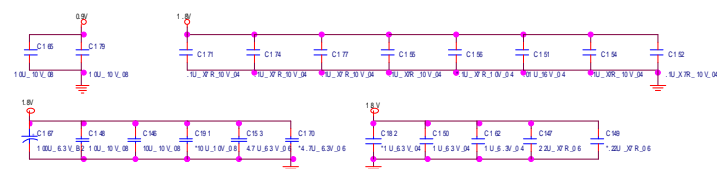
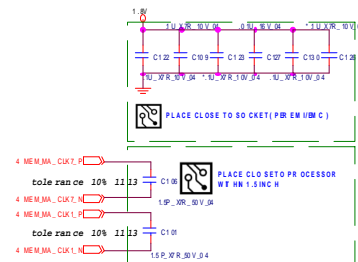
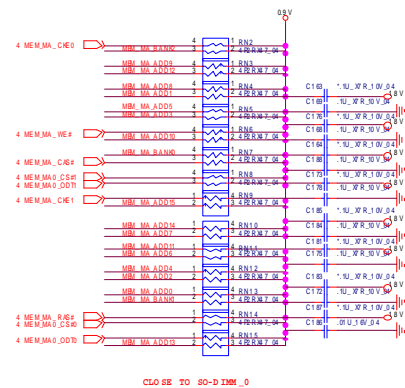
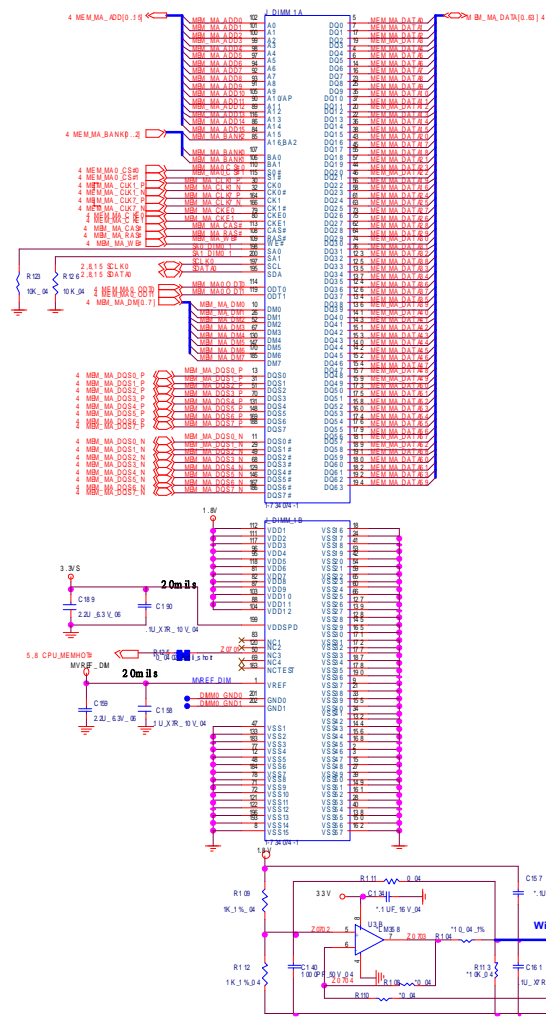
B.Schematic Diagrams

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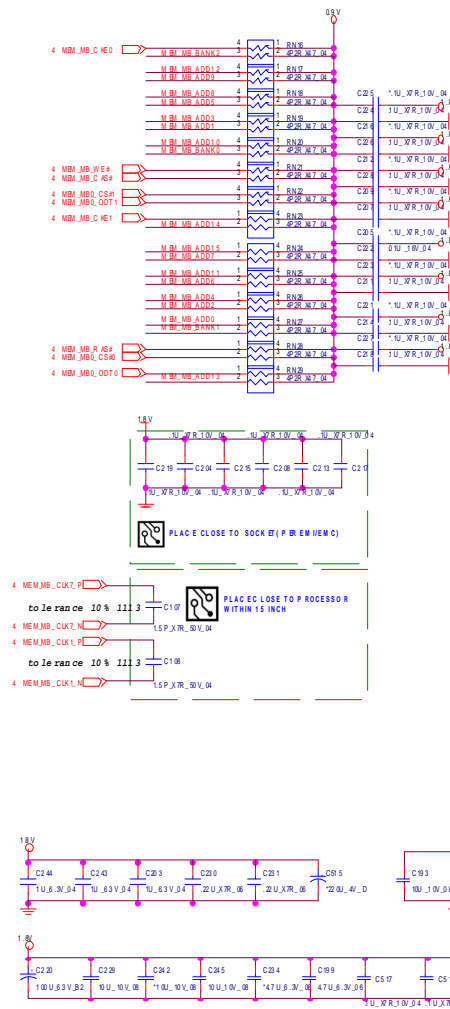
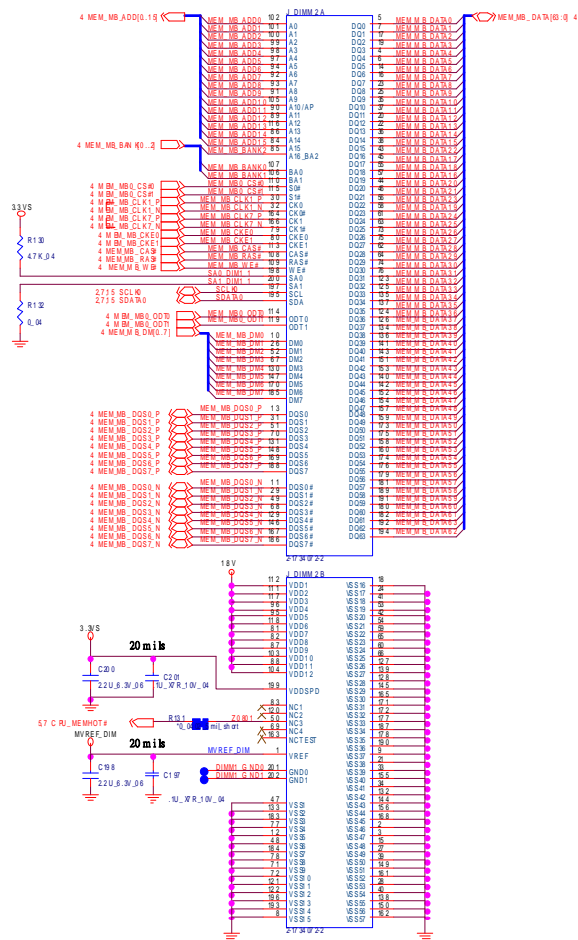
CPU-4 B - 7

B.Schematic Diagrams

SO-DIMM 0



SO-DIMM 1



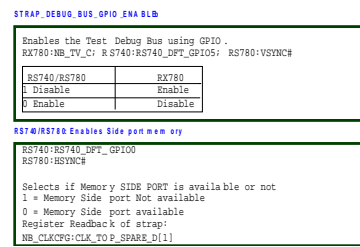
Sheet 8 of 35
DDRII SO-DIMM_1

RS780M-1

B.Schematic Diagrams

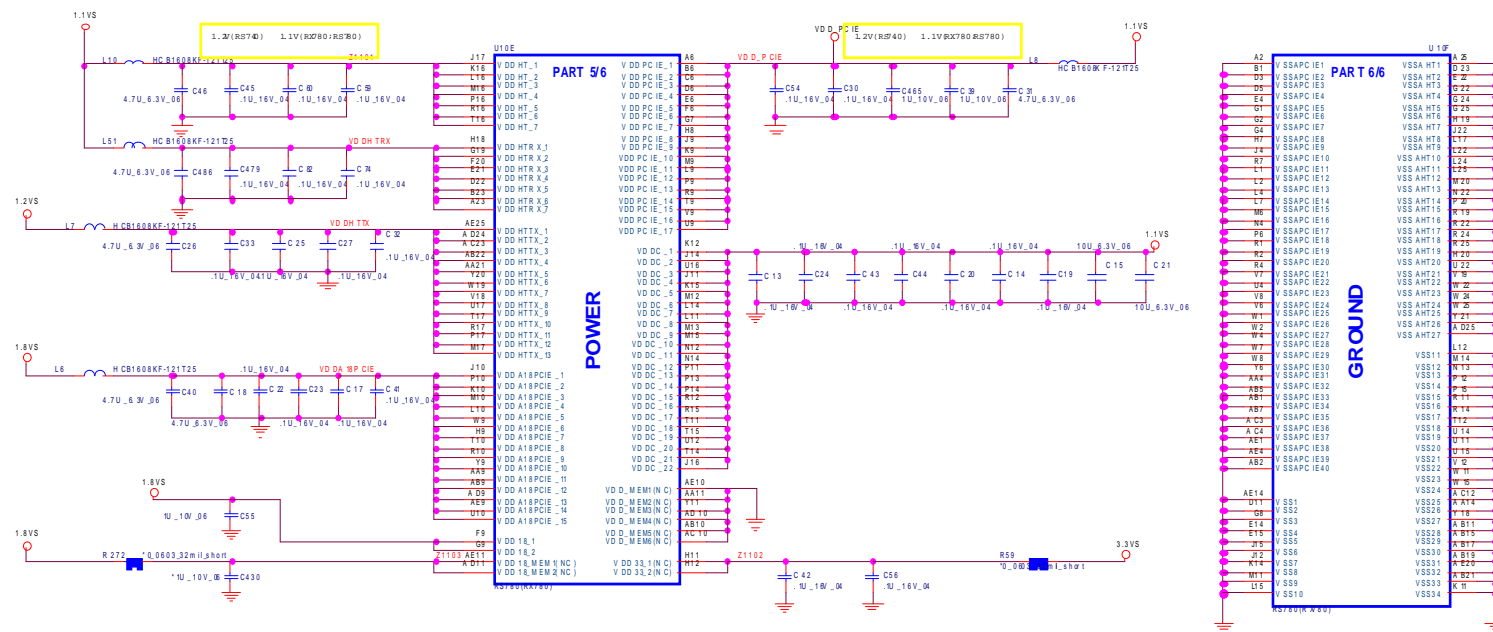
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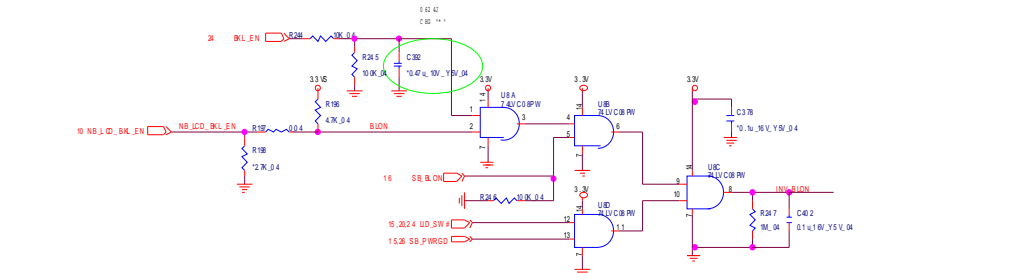


B.Schematic Diagrams

RS780M-3



PIN NAME	RS/40	RX80	RS780	PIN NAME	RS740	RX780	RS80
VD D HT	N C	+1.1V	+11V	TOP ILV DD	+1.2V	N C	+1.1V
VD D HTX1	N C	+1.1V	+11V	AYD D	+0.3V	N C	+3.3V
VD D HTX1	+1.2V	+1.2V	+12V	AYD DD1	+1.8V	N C	+1.8V
VD D AT0P CIE	N C	+1.8V	+18V	AYD DQ	+1.8V	N C	+1.8V
VD D G18	+1.8V	+1.8V	+18V	PLLVD	+1.8V	N C	+1.1V
VD D B18 MEM	N C	N C	+18V	PLLVD018	+1.8V	N C	+1.8V
VD D PCIE	+1.2V	+1.1V	+11V	VD D AT8PC IEPLL	+1.2V	+1.8V	+1.8V
VD D C	+1.2V	+1.1V	+11V	VD D AT8H P LL	+1.8V	+1.8V	+1.8V
VD D M EM	+1.8V/1.5V	N C	+1.8V/1.5V	VD D LTP18	+1.8V	N C	+1.8V
VD D G33	+3.3V	N C	+33V	VD D LT18	+1.8V	N C	+1.8V
IO PLLVD018	+1.8V	N C	+18V	VD D LT33	+0.3V	N C	N C



PANEL POWER

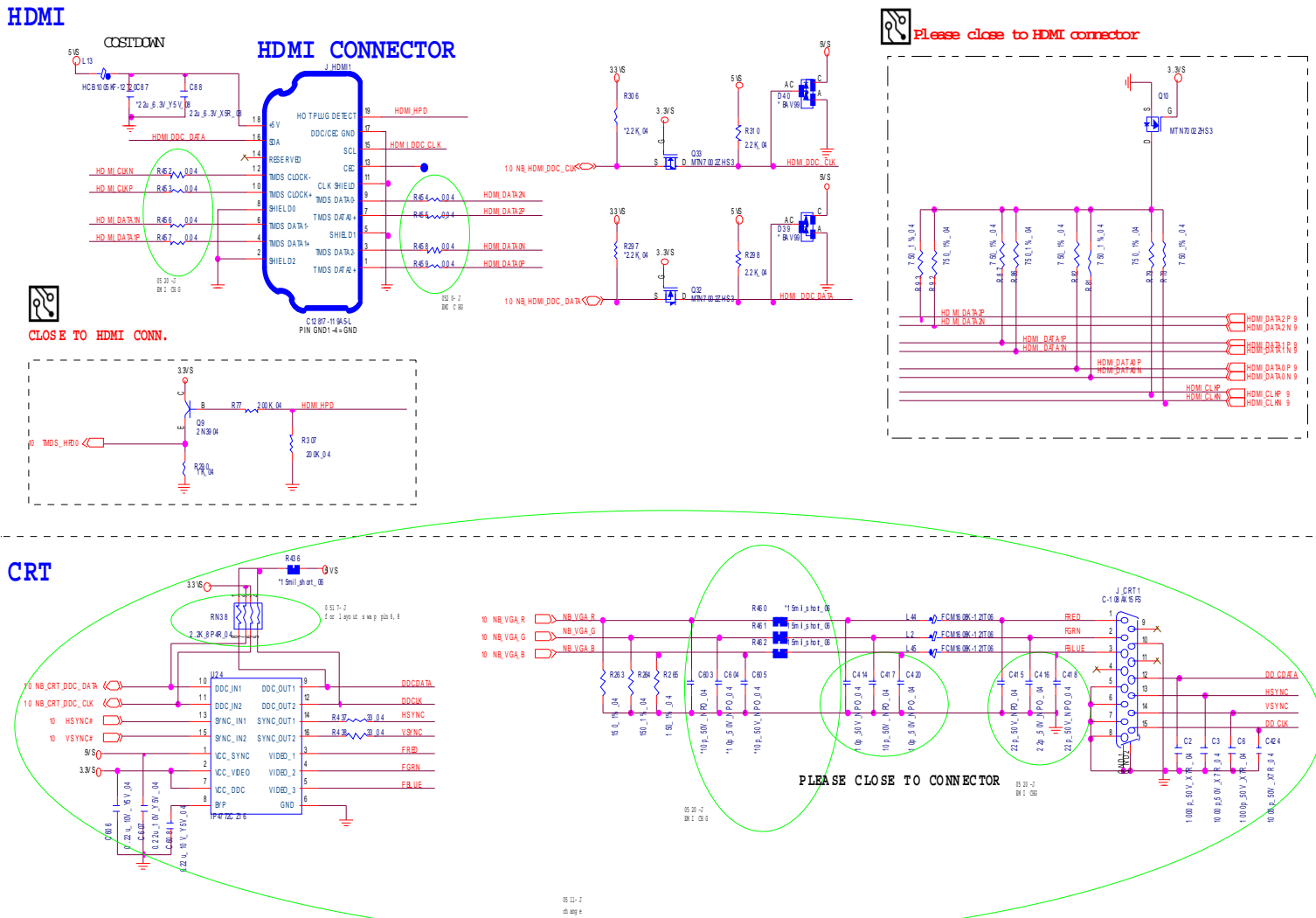


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Schematic Diagrams

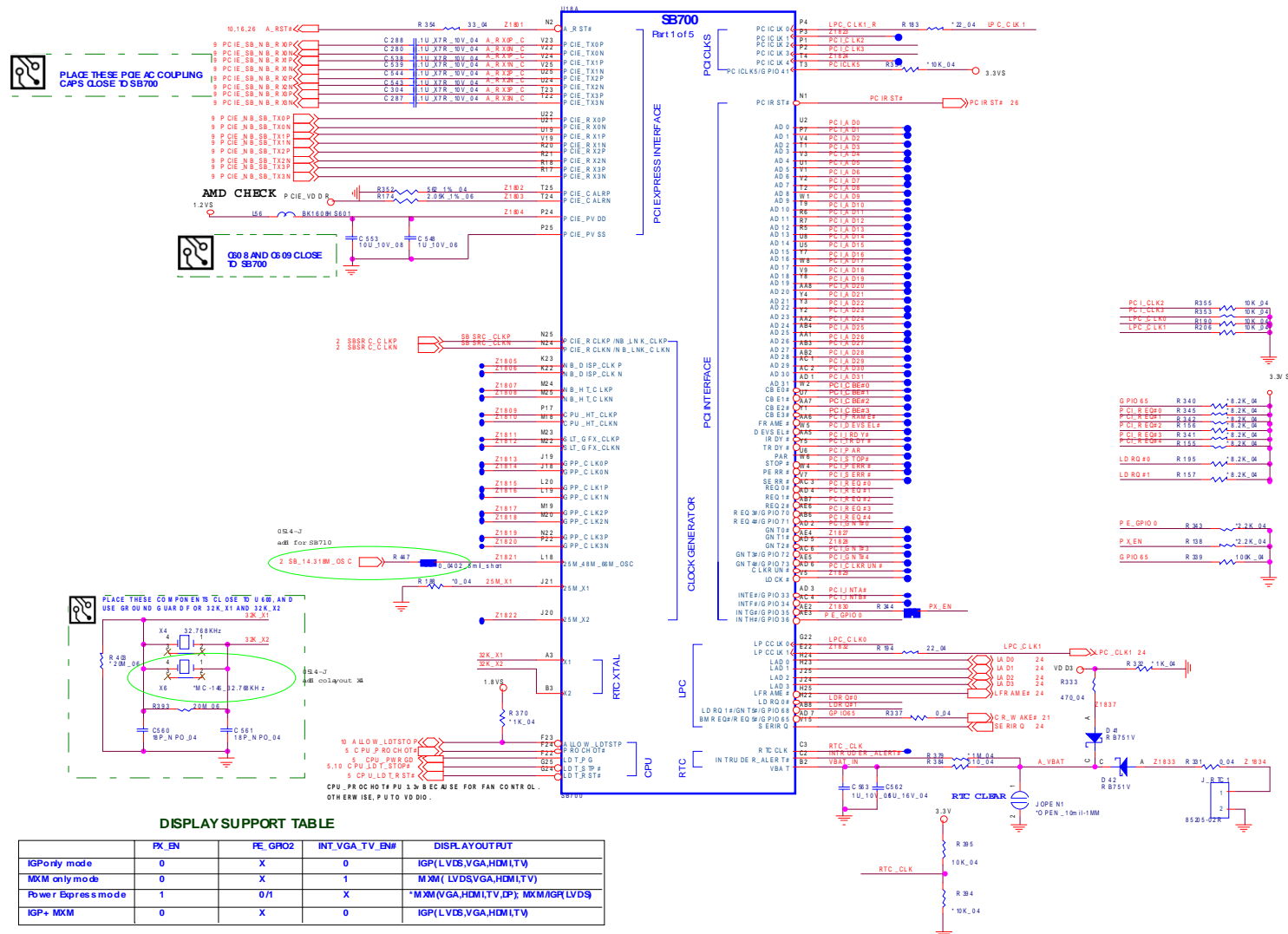
HDMI, CRT

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HDMI, CRT



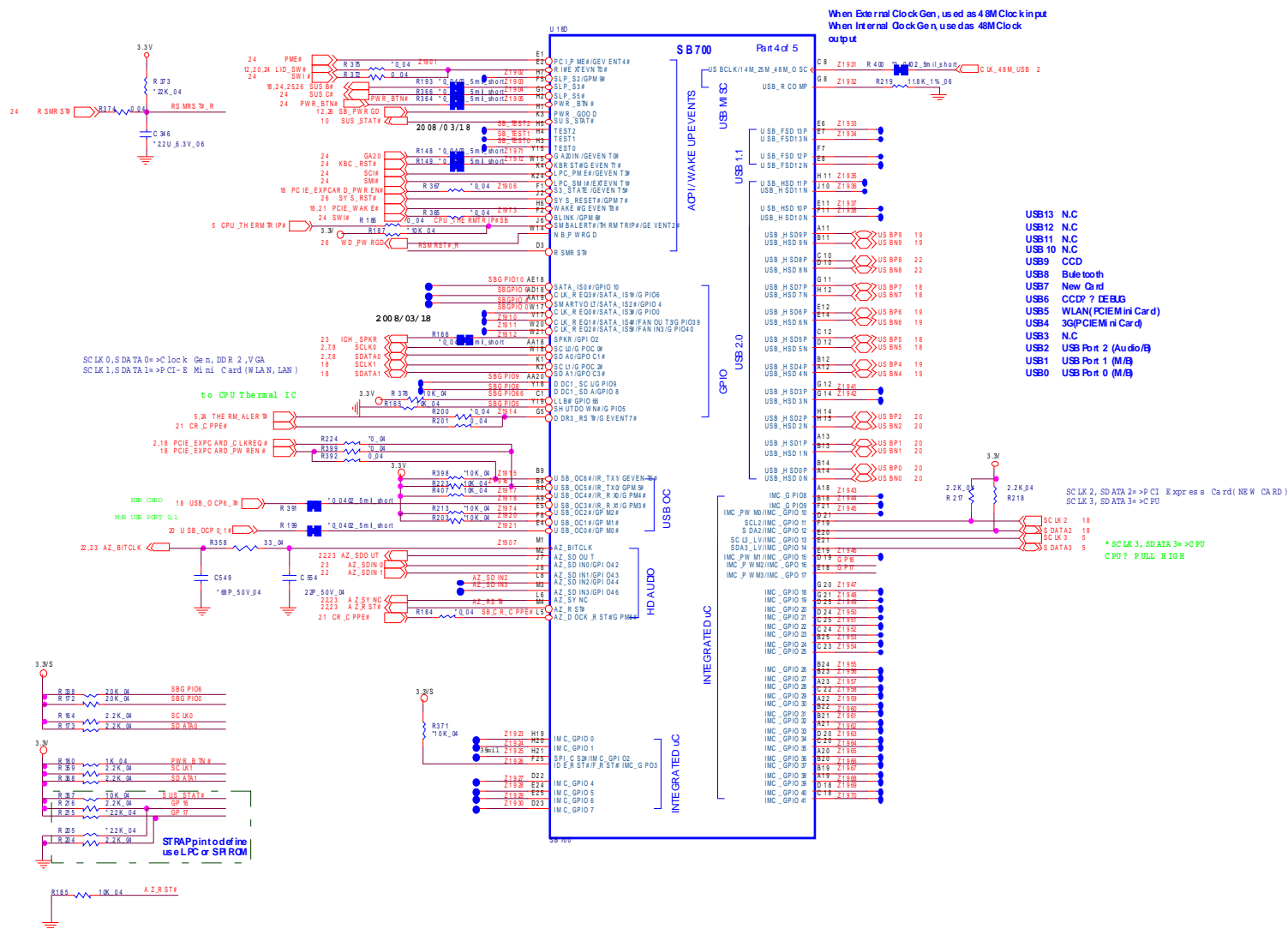
ELETRÔNICA

SB700-1



SB700-2

Sheet 15 of 35
SB700-2

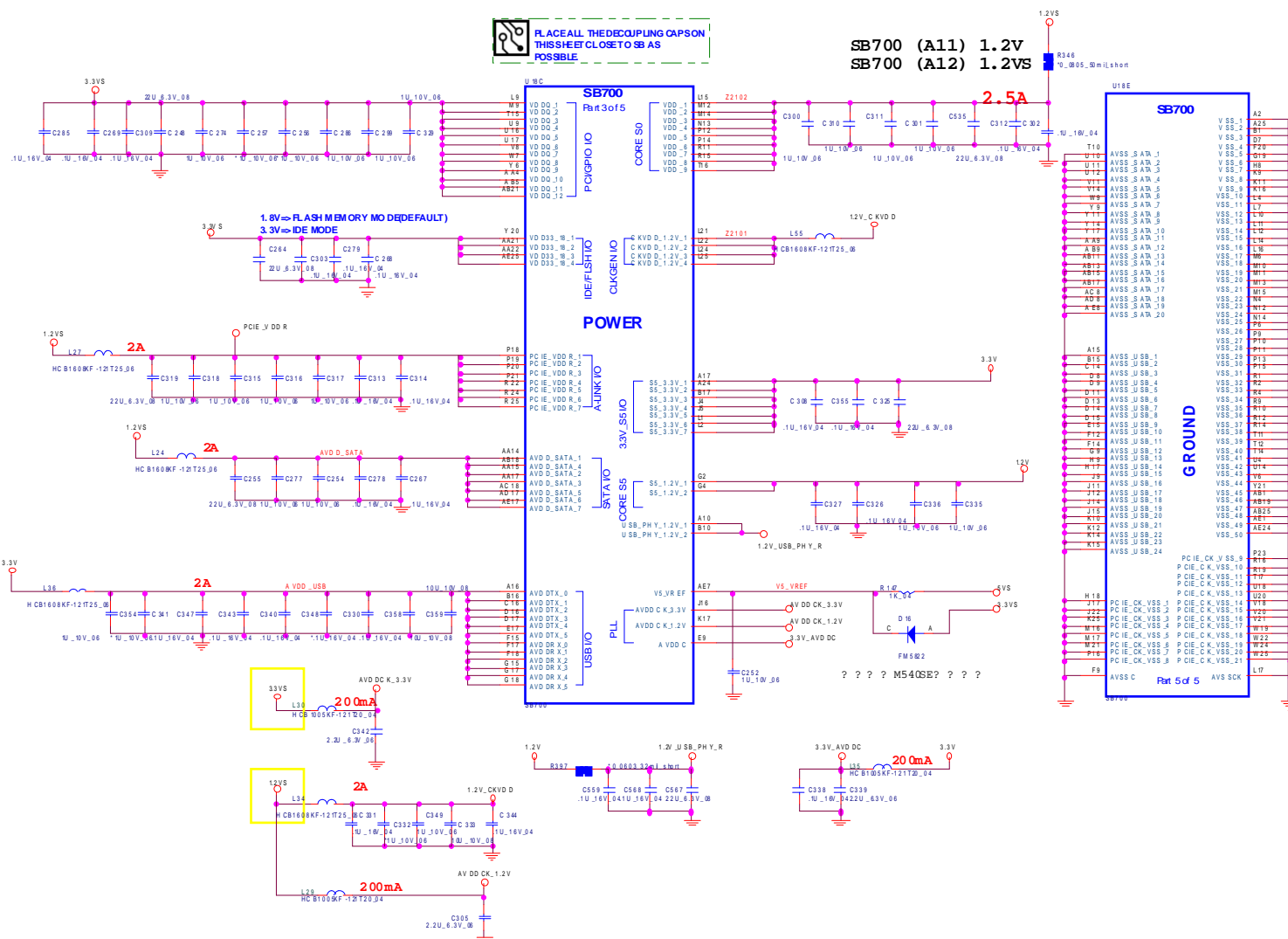


SB700-3 B - 17



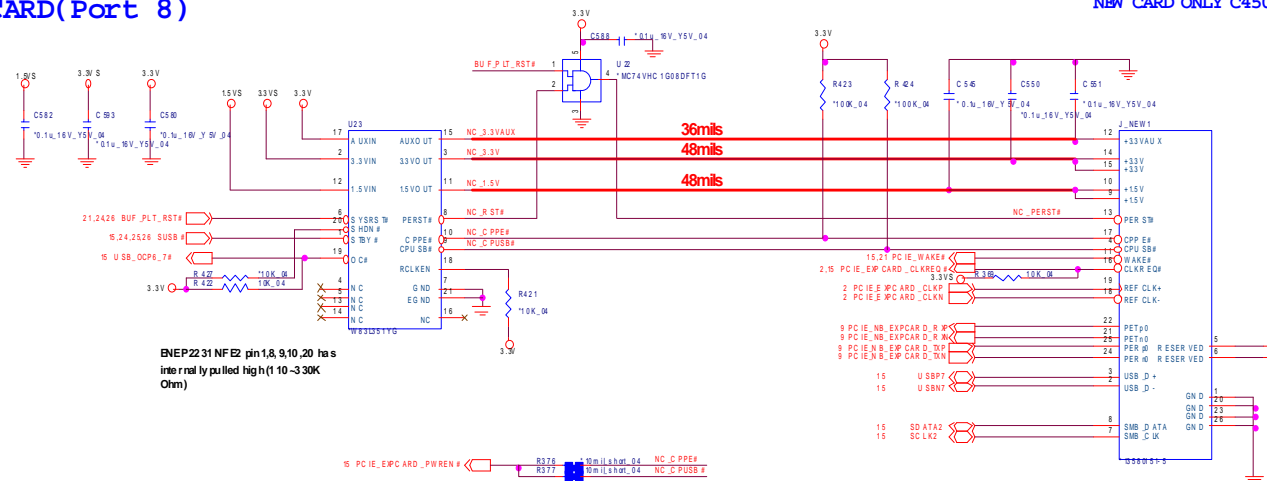
SB700-4

Sheet 17 of 35
SB700-4

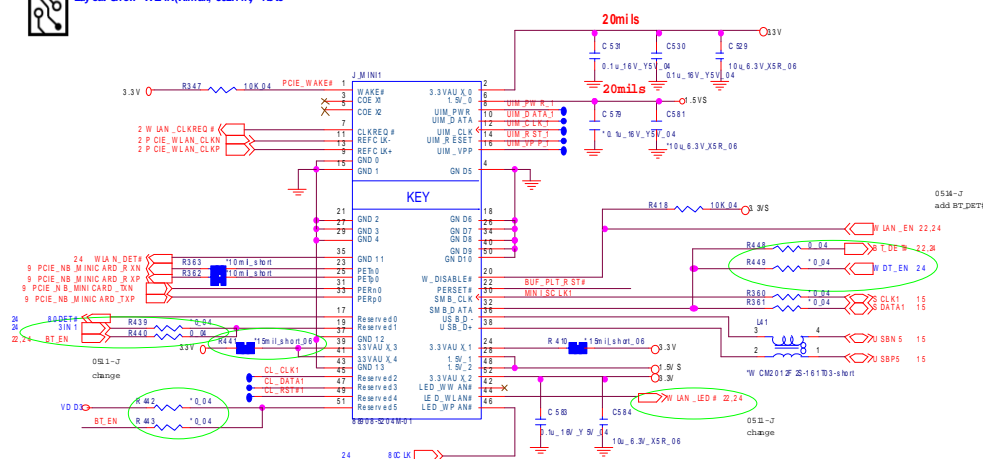


B.Schematic Diagrams

NEW CARD ONLY C4500 SUPPORT



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New Card, Mini
PCIE

 Lay out Show "WLAN(Wimax, 802.11N)" Note

B.Schematic Diagrams

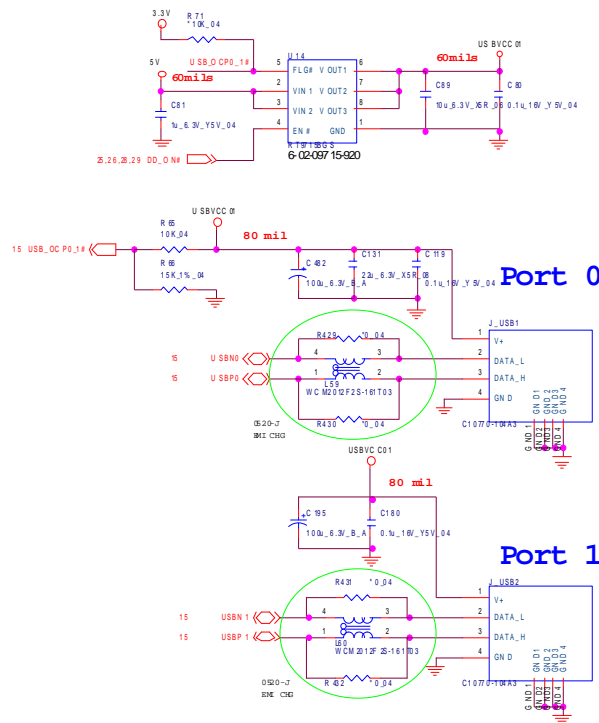
MINI CARD 3G(Port 6)

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CCD, 3G, SATA
ODD

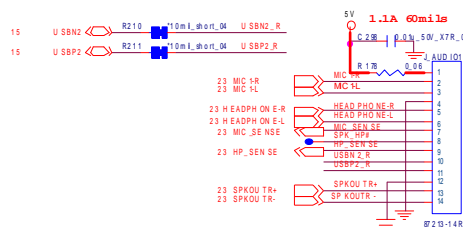
USB, Fan, TP, Multi-Con

USB PORT*2(Port 0,Port1)

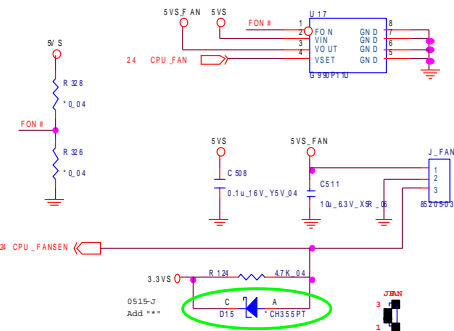


Audio/B CONN.(Port 2)

FOR AUDIO/B

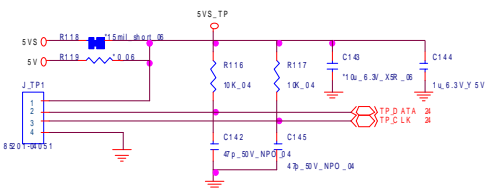


FAN CONTROL



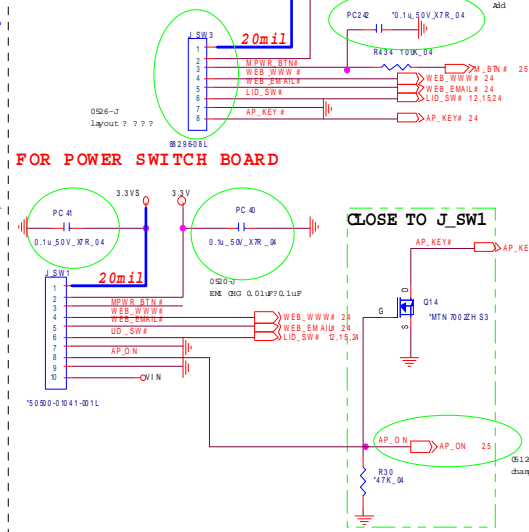
CLICK CONN

FOR CLICK BOARD



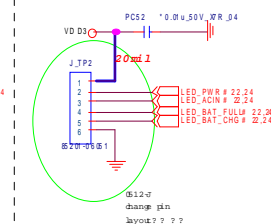
POWER SWITCH CONN.

FOR POWER SWITCH BOARD



CLOSE TO J_SW1

C5500Q Click/B LED Use



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USB, Fan, TP,
Multi-Con

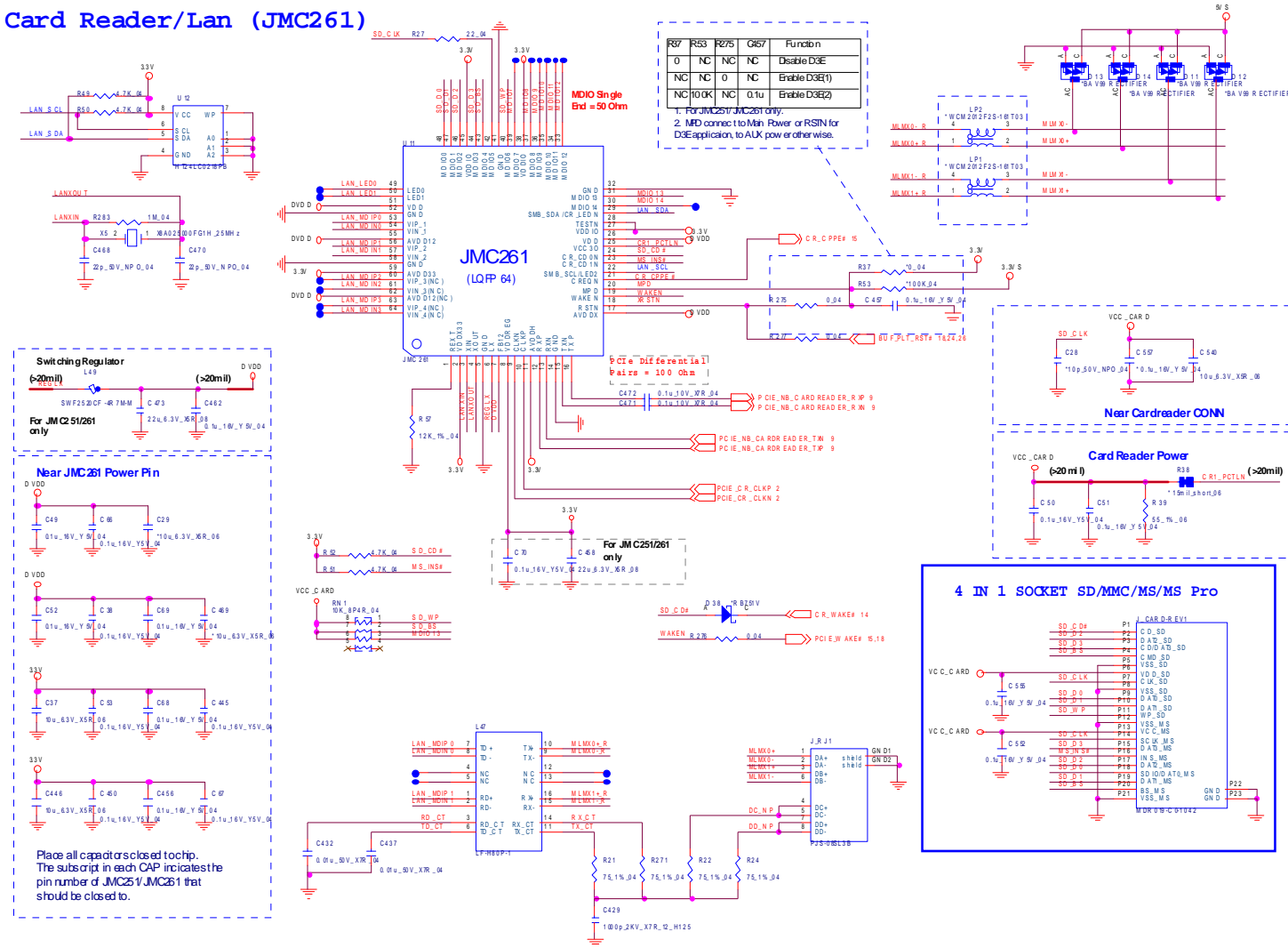
B.Schematic Diagrams

Schematic Diagrams

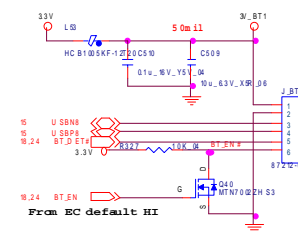
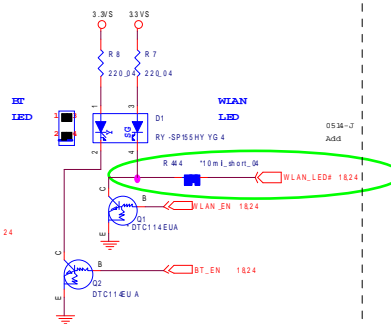
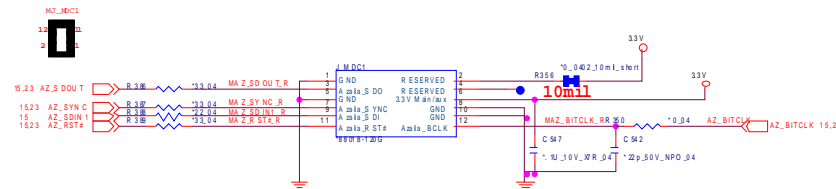
Card Reader/LAN JMC261

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Card Reader/LAN
JMC 261

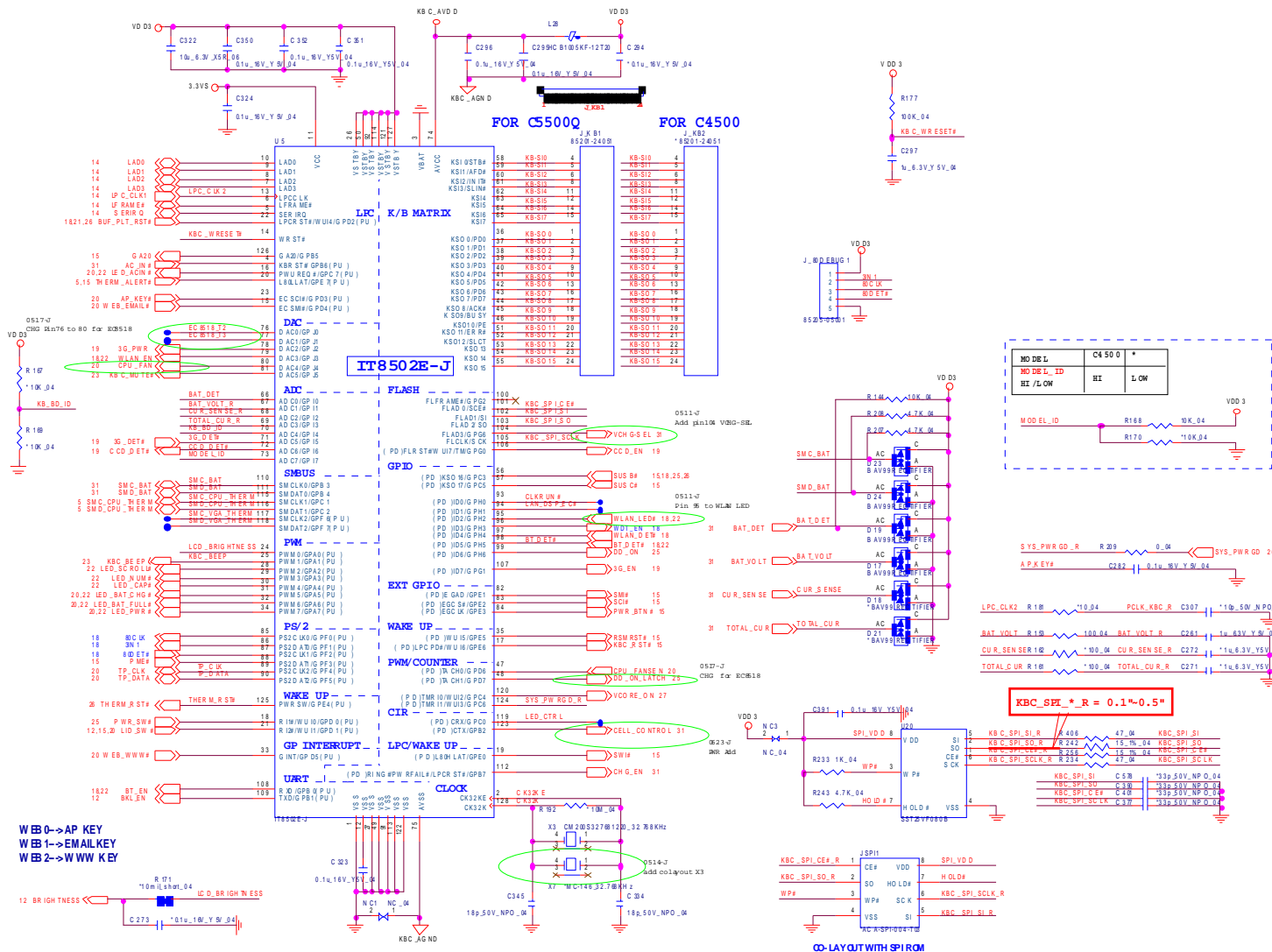
Card Reader/Lan (JMC261)



Sheet 22 of 35
SATA HDD, LED,
MDC, BT

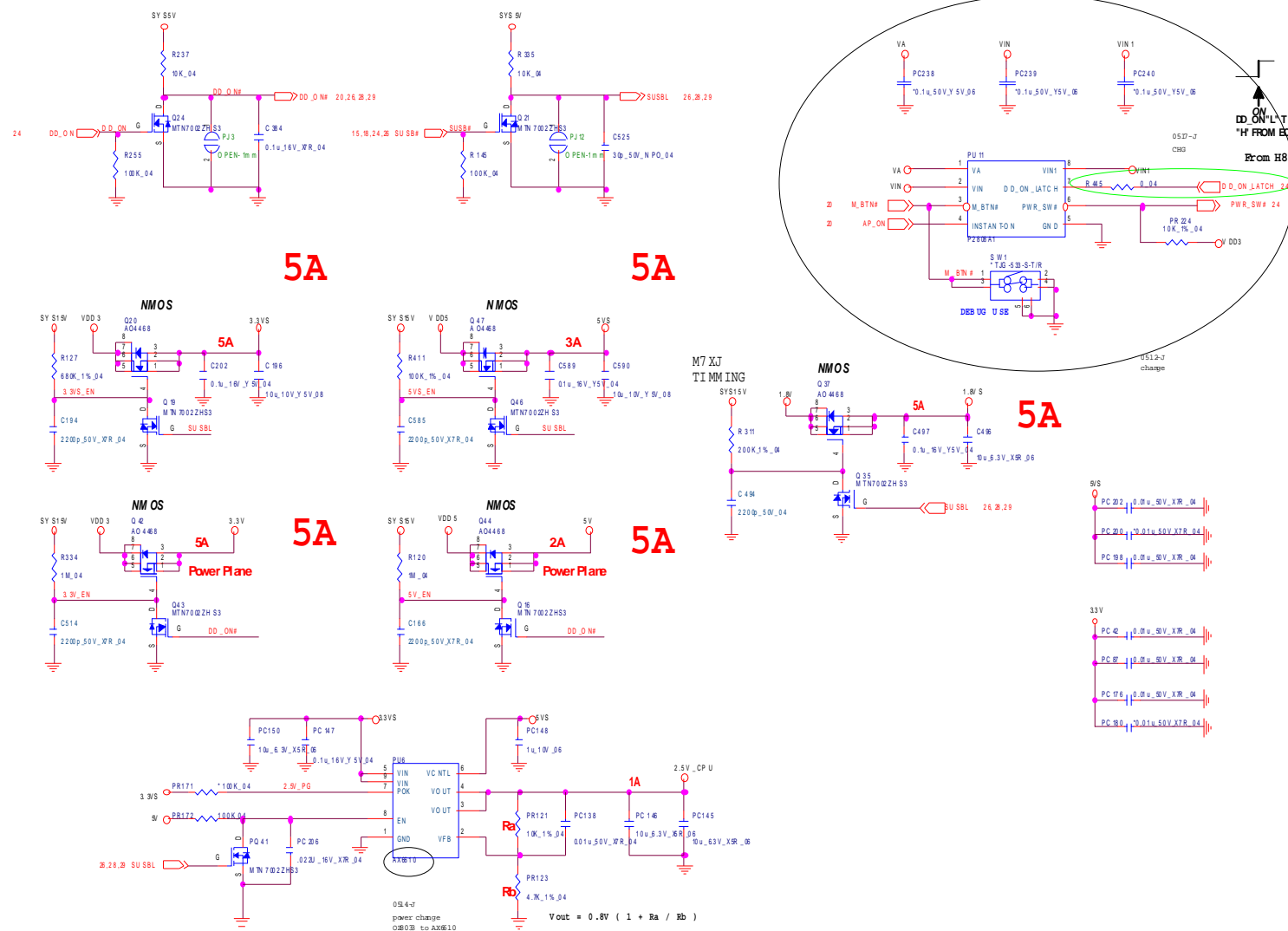


KBC ITE IT8502E

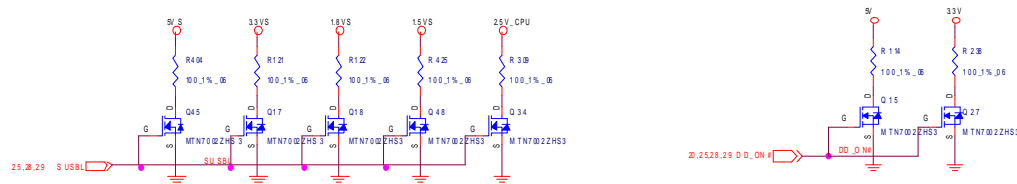
Sheet 24 of 35
KBC ITE IT8502E

System PWR, 2.5V

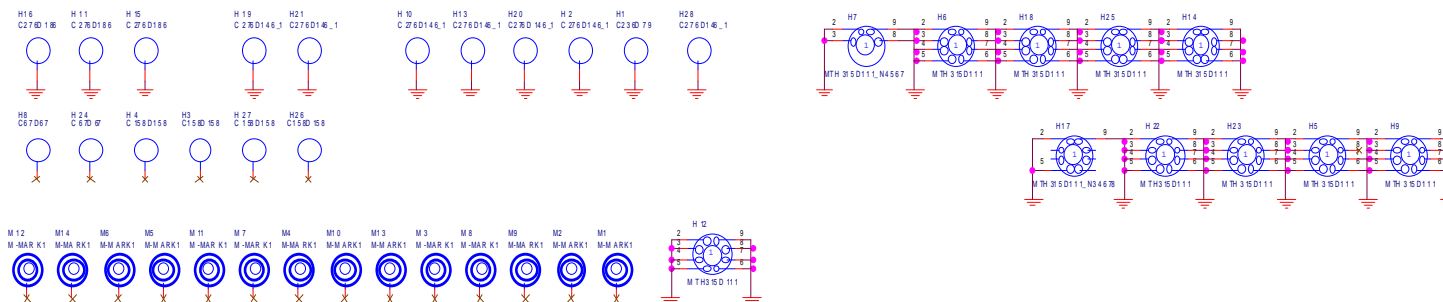
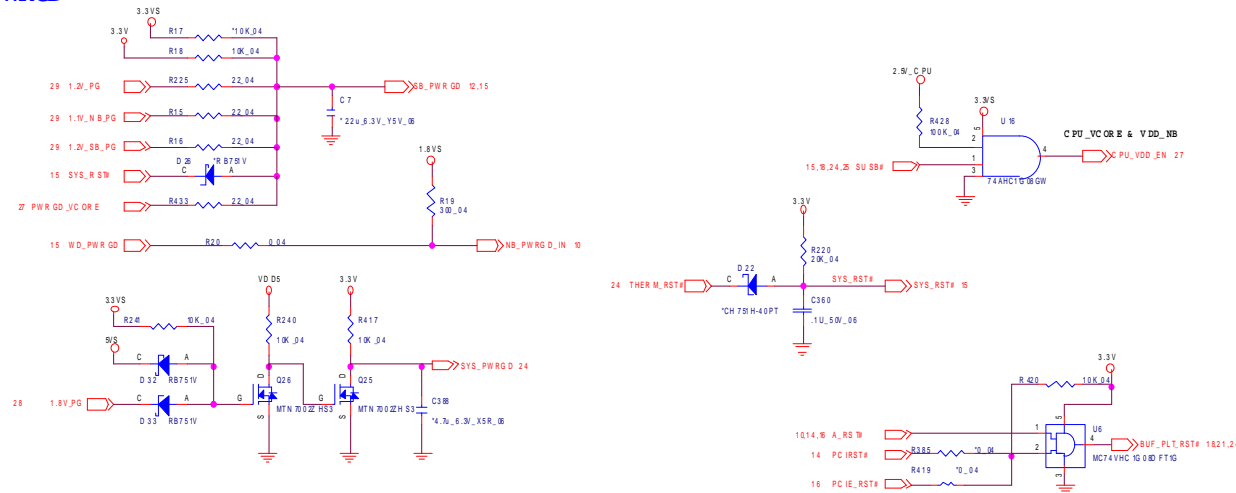
Sheet 25 of 35
System PWR, 2.5V



PWRGD, RST



PWRGD

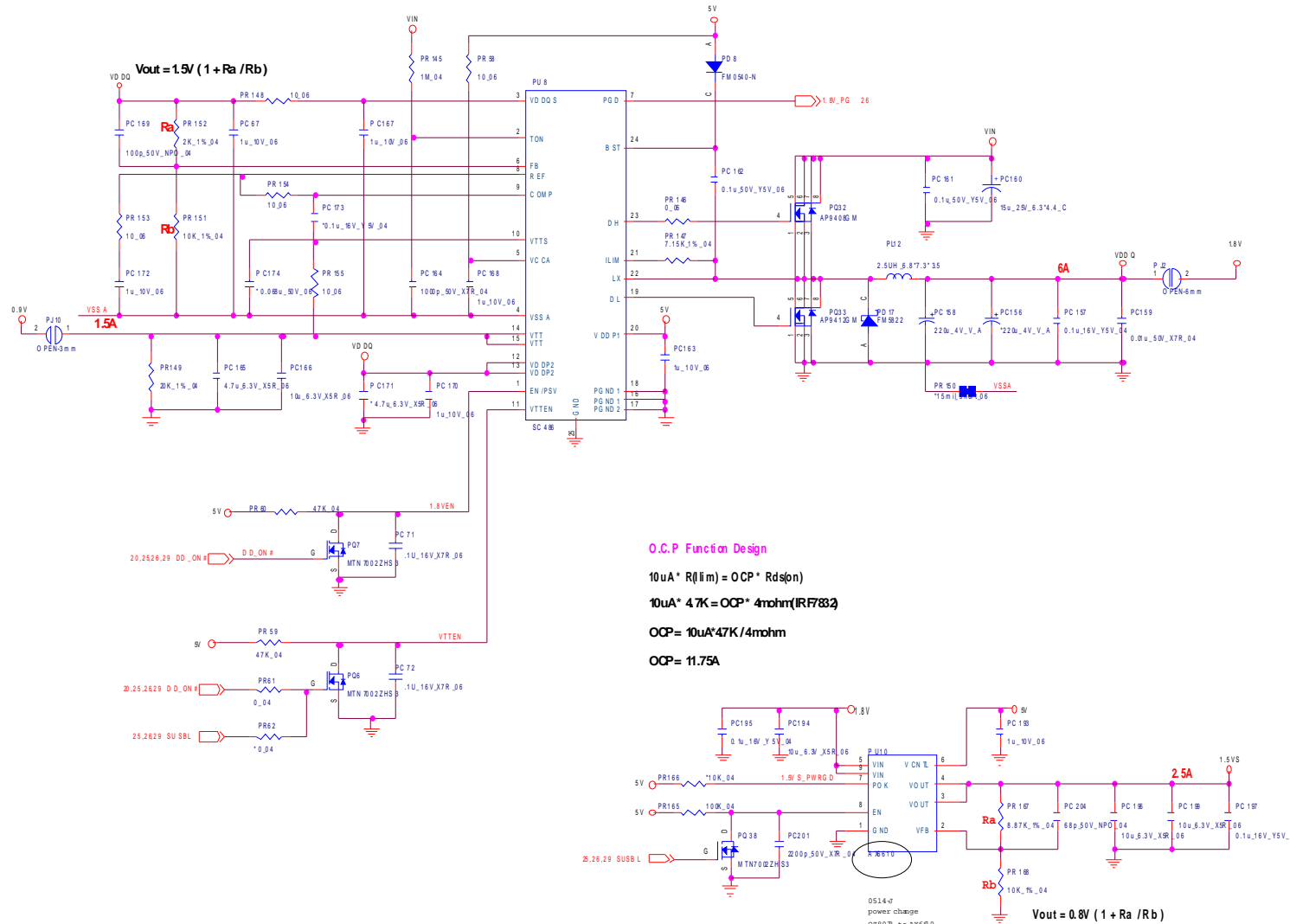


Sheet 27 of 35
VCORE_Core

SVC	SVD	Out put
0	0	1.4
0	1	1.2
1	0	1.0
1	1	0.8



0.9V, 1.8V, 1.8VS, 1.5VS

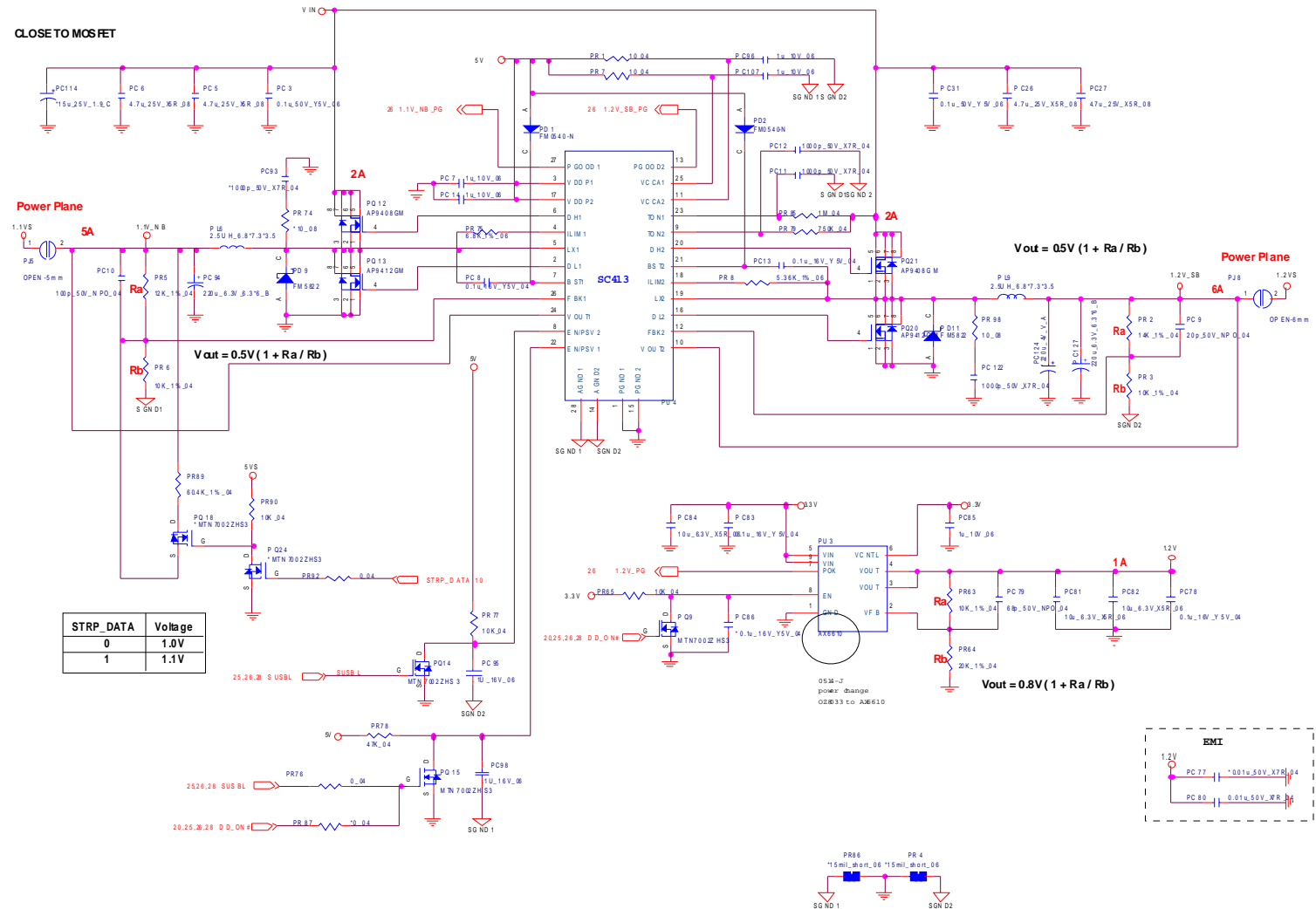


Sheet 28 of 35
0.9V, 1.8V, 1.8VS,
1.5VS

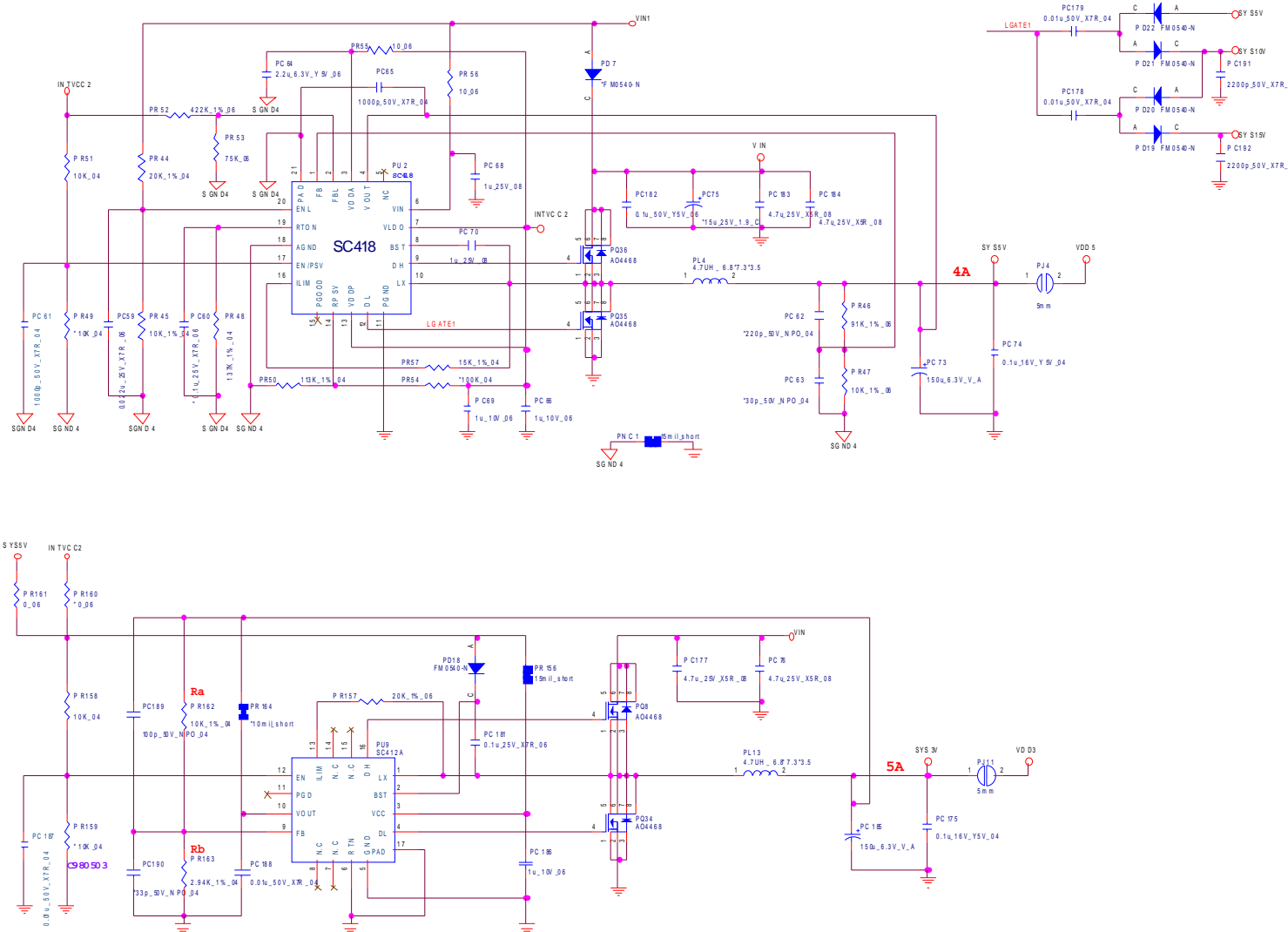
Schematic Diagrams

1.1VS, 1.2V, 1.2VS

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1.1VS, 1.2V, 1.2VS



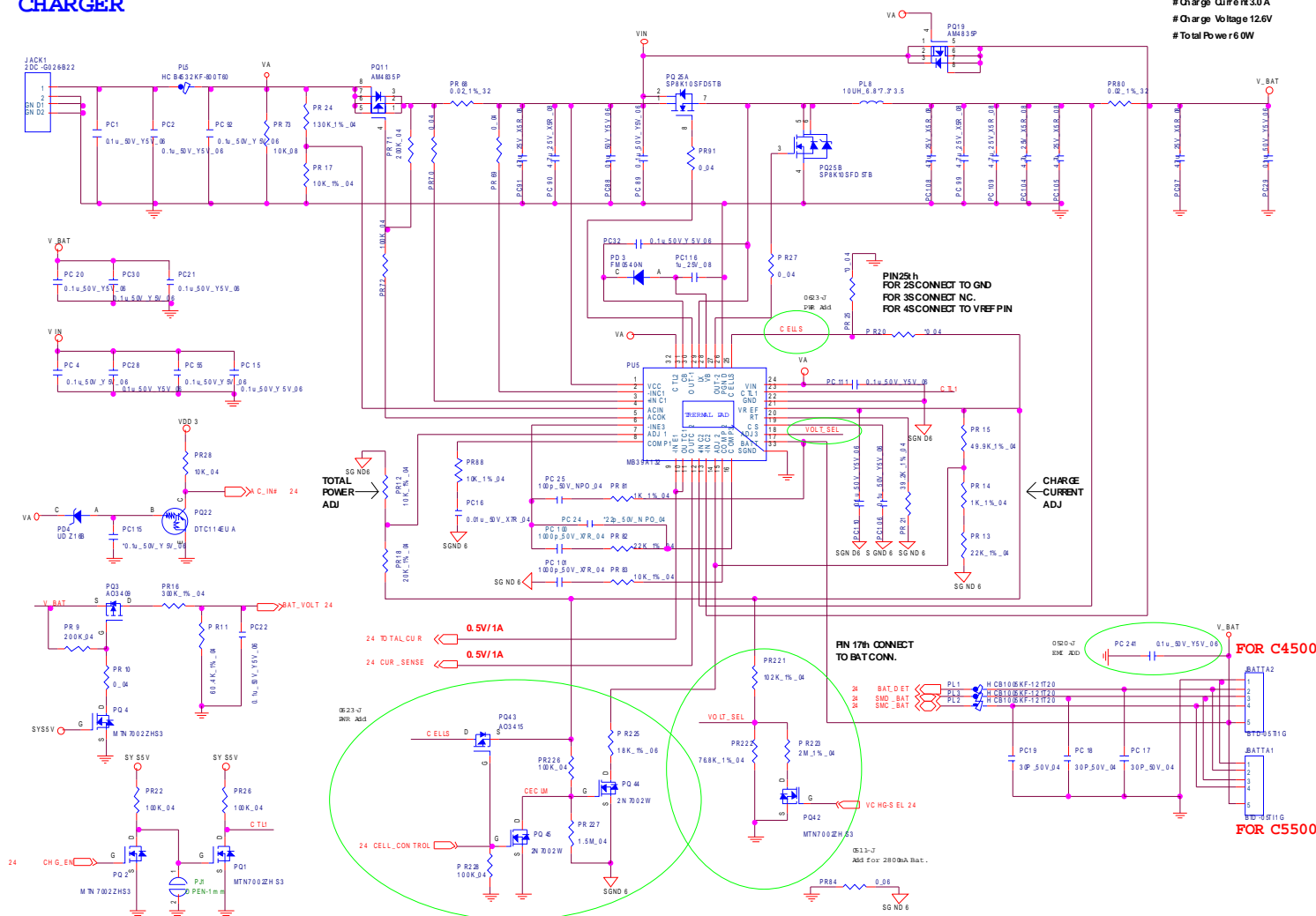
VDD3, VDD5



Sheet 30 of 35
VDD3, VDD5

Charger, DC In

Charge Current 3.0 A
Charge Voltage 12.6V
Total Power 6.0W

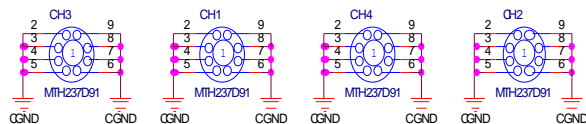
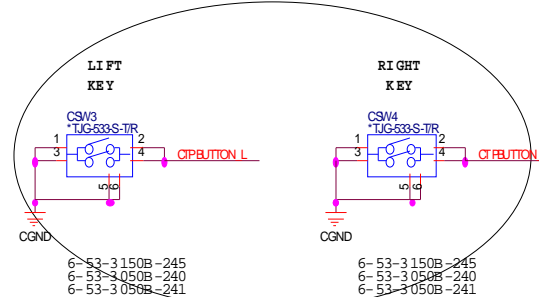
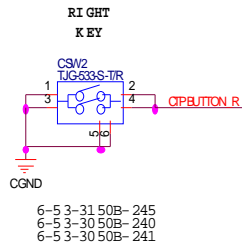
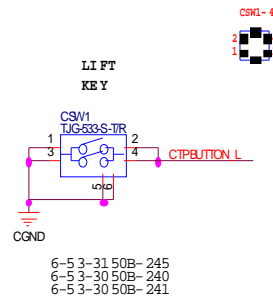
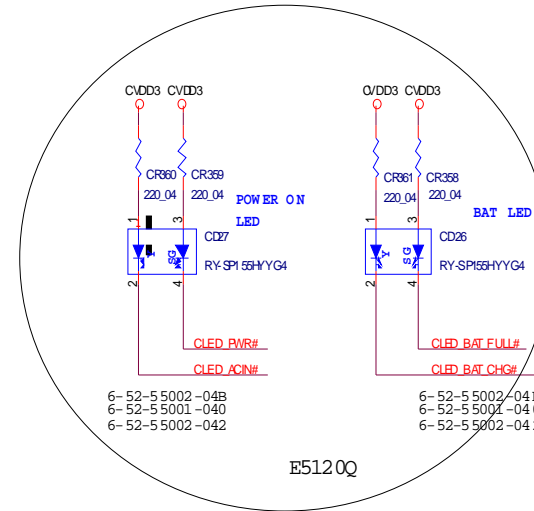
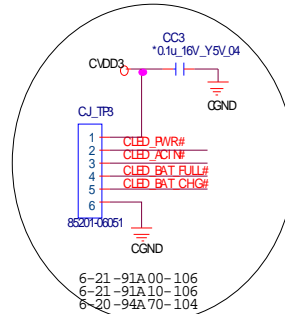
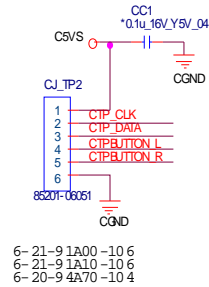
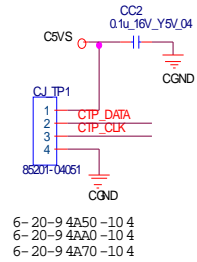


B.Schematic Diagrams

Sheet 31 of 35
Charger, DC In

Click Board

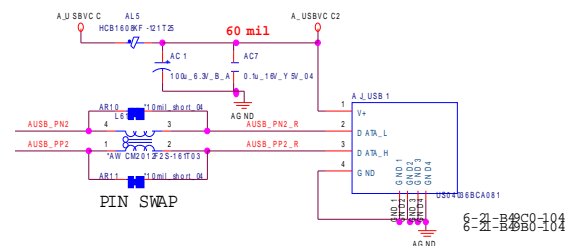
CLICK BOARD



Sheet 32 of 35
Click Board

B.Schematic Diagrams

USB PORT

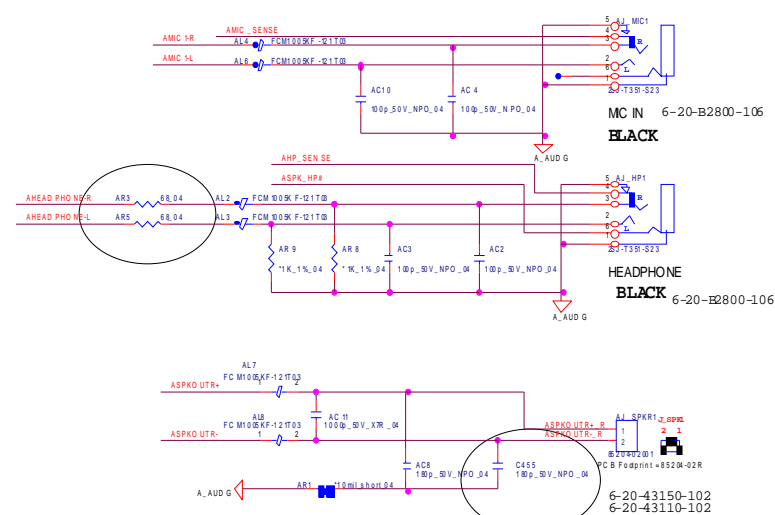
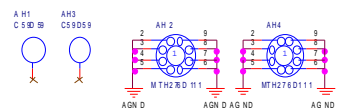
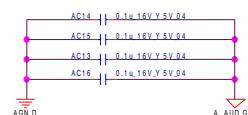


AUDIO JACK

Pinout diagram for the ALCU01 module. The connections are as follows:

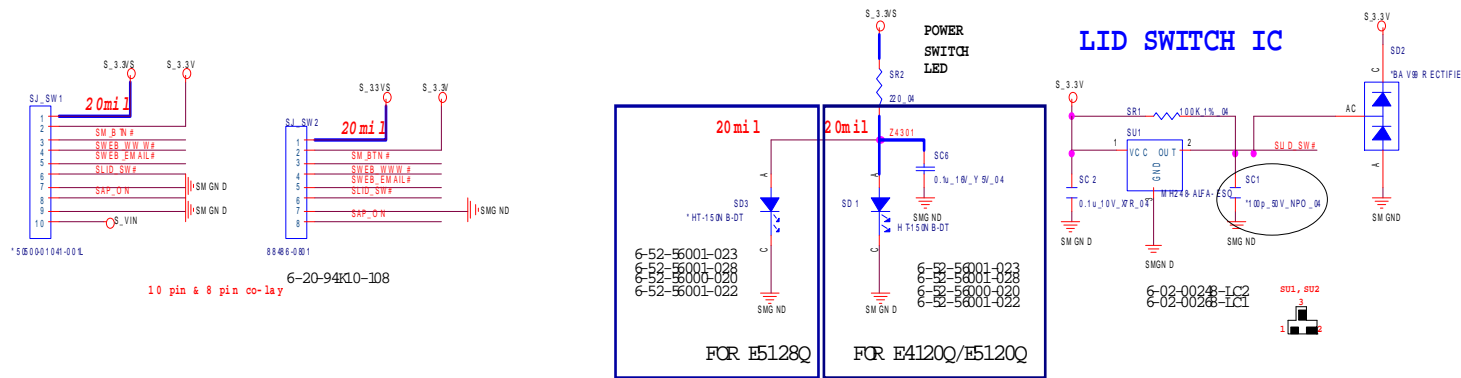
- Pin 1: A_MCI0-R
- Pin 2: A_MCI0-L
- Pin 3: A_HEAD PHON-E R
- Pin 4: A_HEAD PHON-E L
- Pin 5: A_MIC_SENSE
- Pin 6: A_MIC_PP2
- Pin 7: A_HP_SENSE
- Pin 8: A_USB_PP2
- Pin 9: A_USB_PP2
- Pin 10: A_USB_PP2
- Pin 11: A_USB_PP2
- Pin 12: A_SPKOUT-R
- Pin 13: A_SPKOUT-R
- Pin 14: A_U_DG AGND

A 5V supply is connected to Pin 1. The header is labeled ALCU01 at the top right.



Power Switch Board

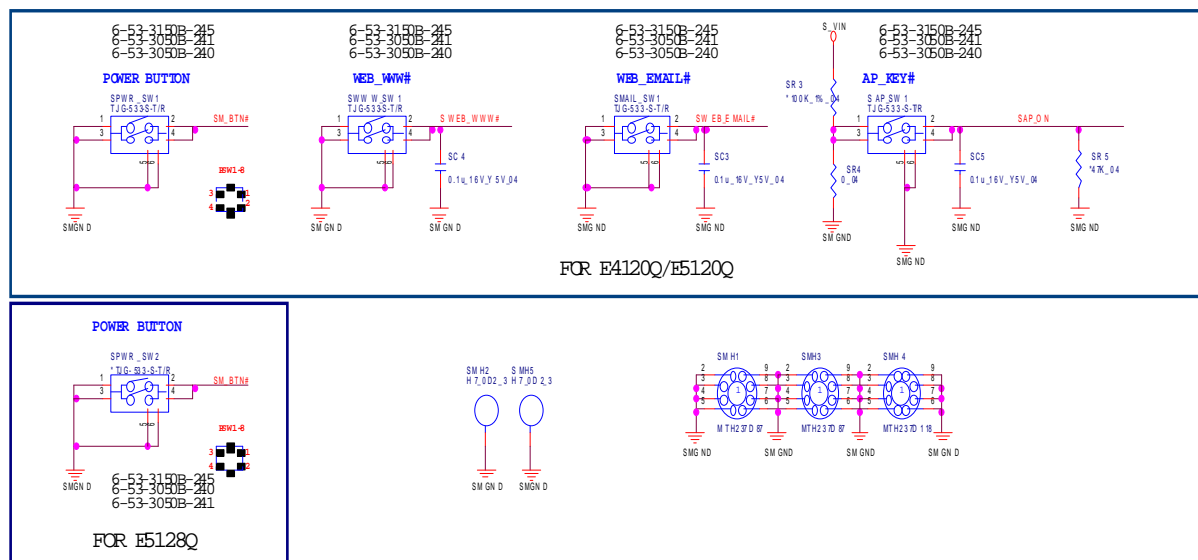
POWER SW & LED & HOT KEY



Sheet 34 of 35
Power Switch
Board

B.Schematic Diagrams

HOT KEY



Schematic Diagrams

External ODD Board
ODD BOARD FOR E5120Q

Sheet 35 of 35
External ODD
Board

