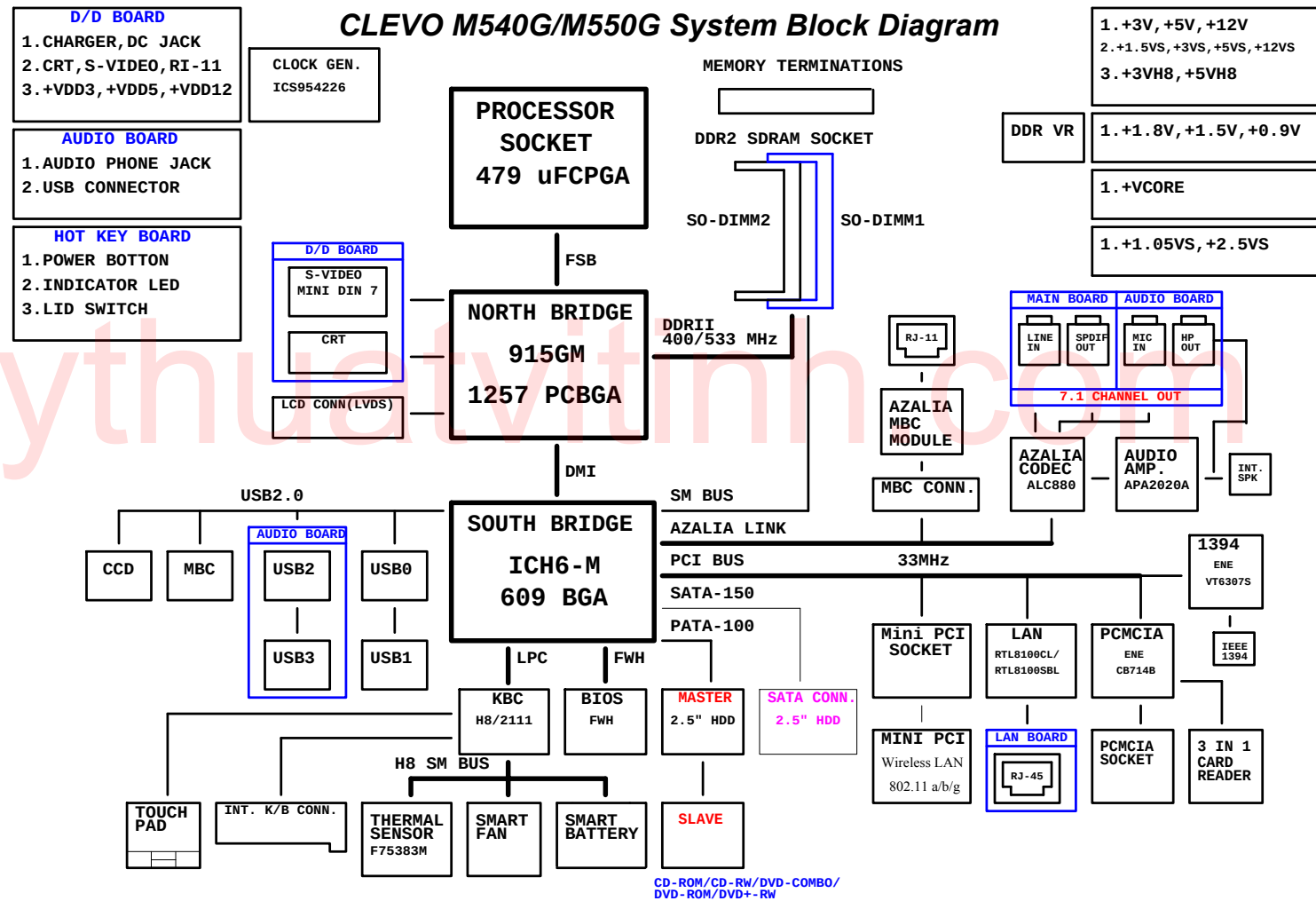
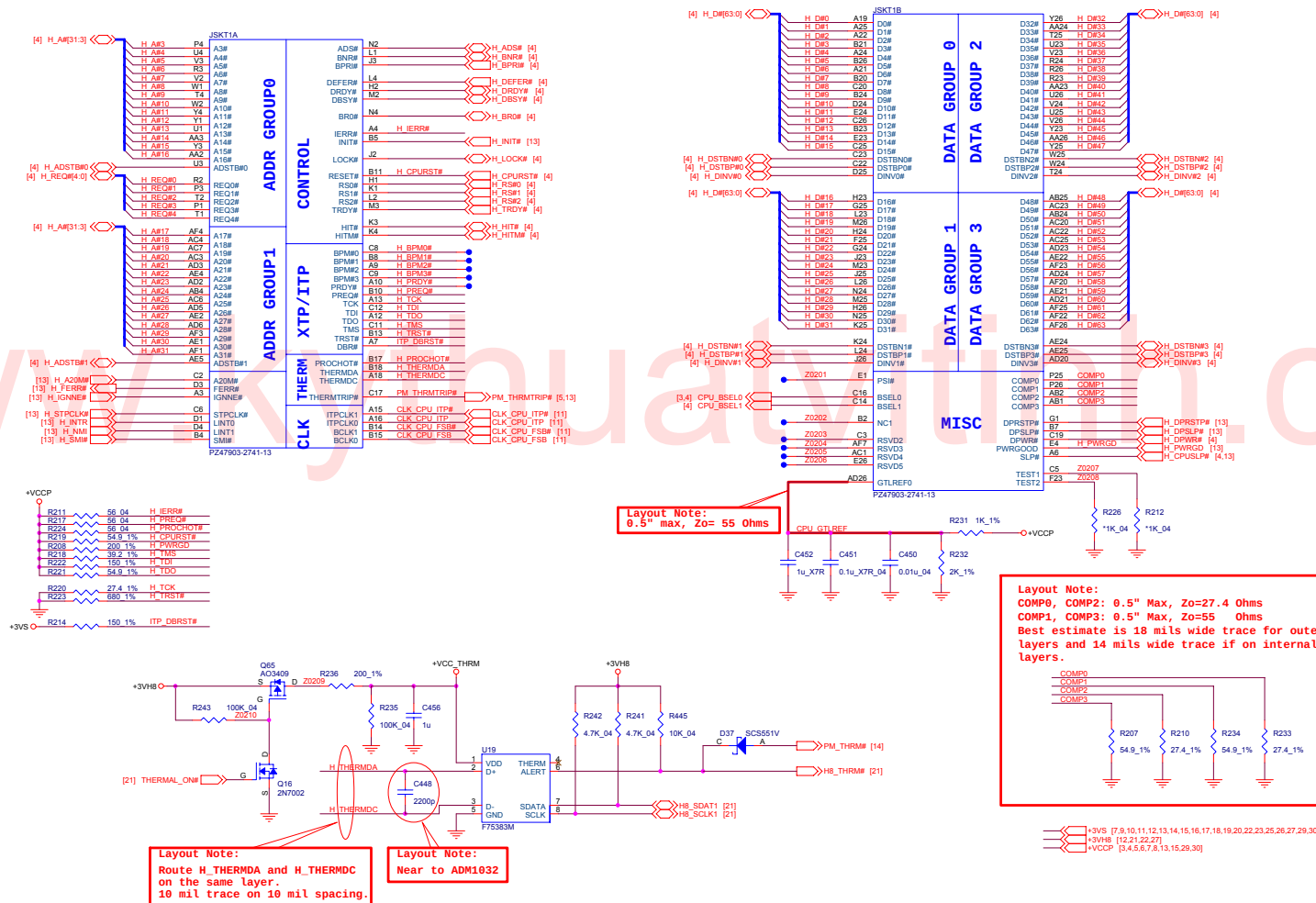


System Block Diagram

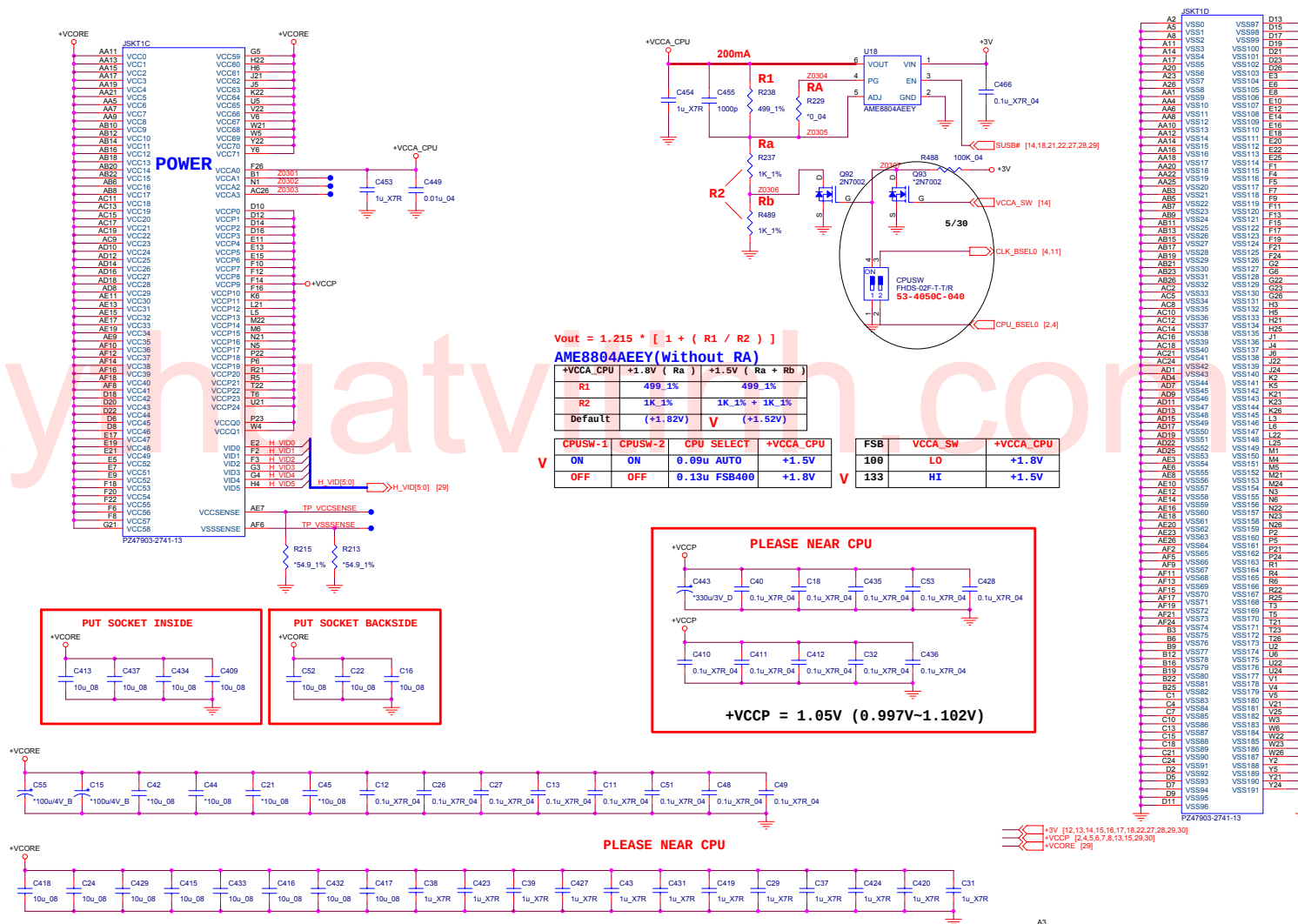


Sheet 1 of 40
System Block
Diagram

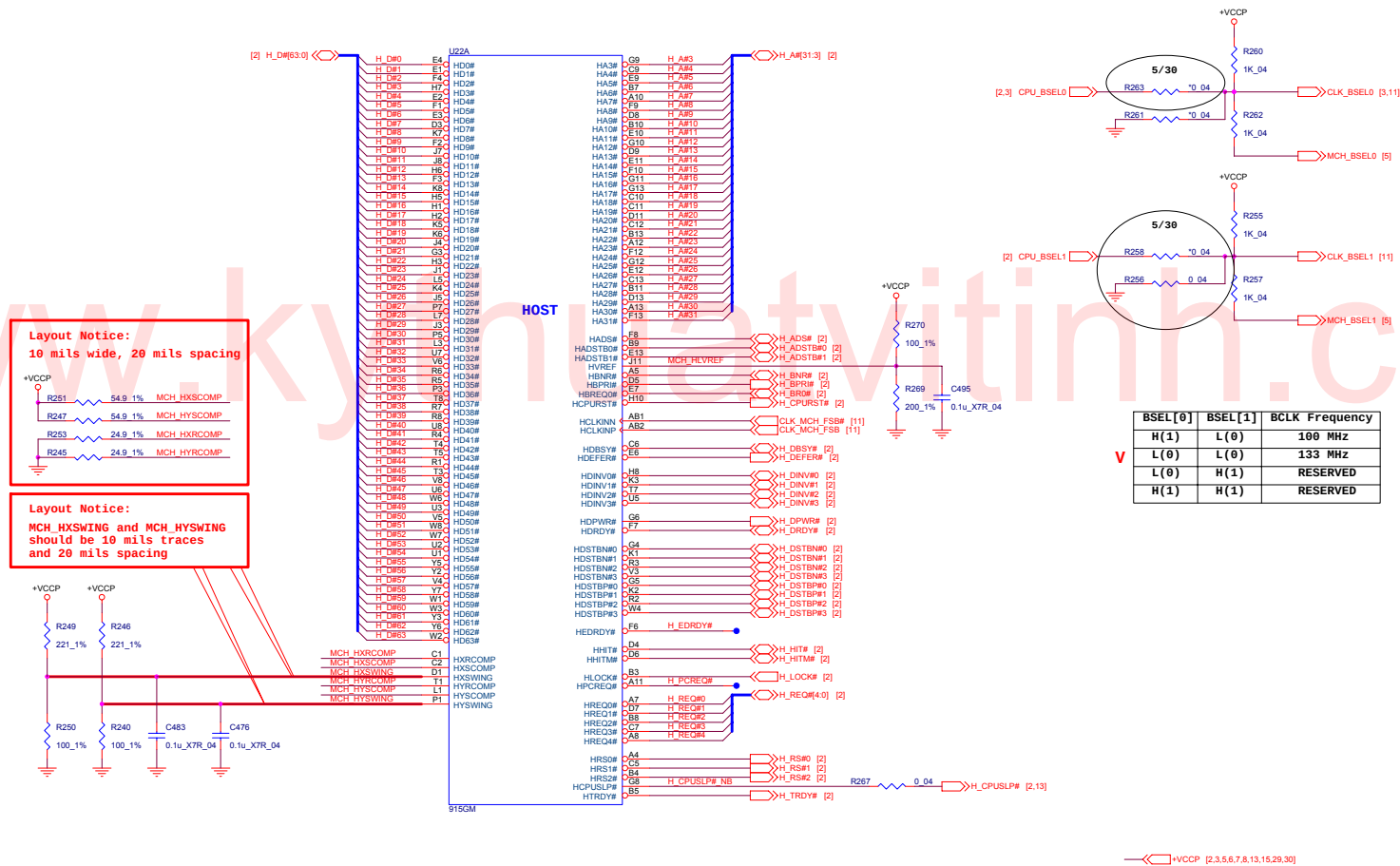
DOTHAN 1/2

Sheet 2 of 40
DOTHAN 1/2

Sheet 3 of 40
DOTHAN 2/2



915GM 1/5



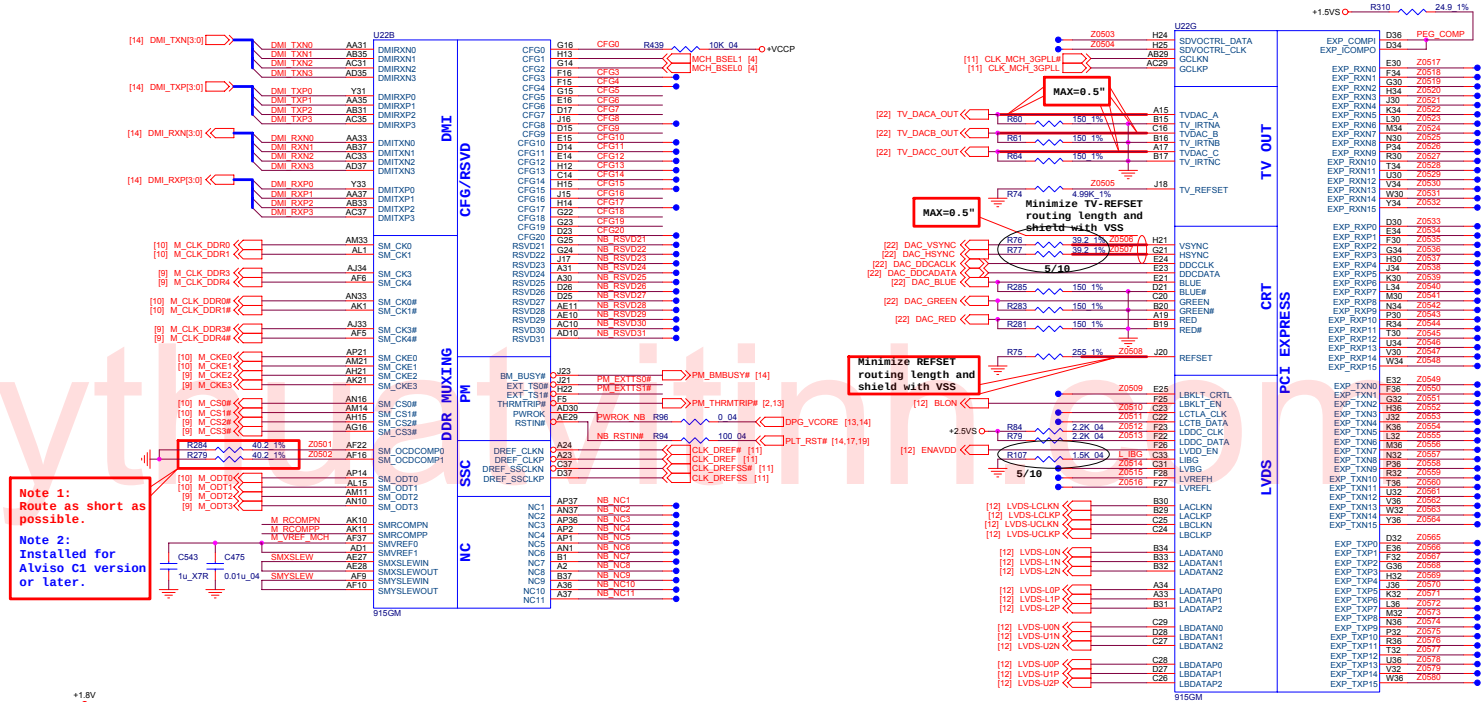
Sheet 4 of 40
915GM 1/5

B. Schematic Diagrams

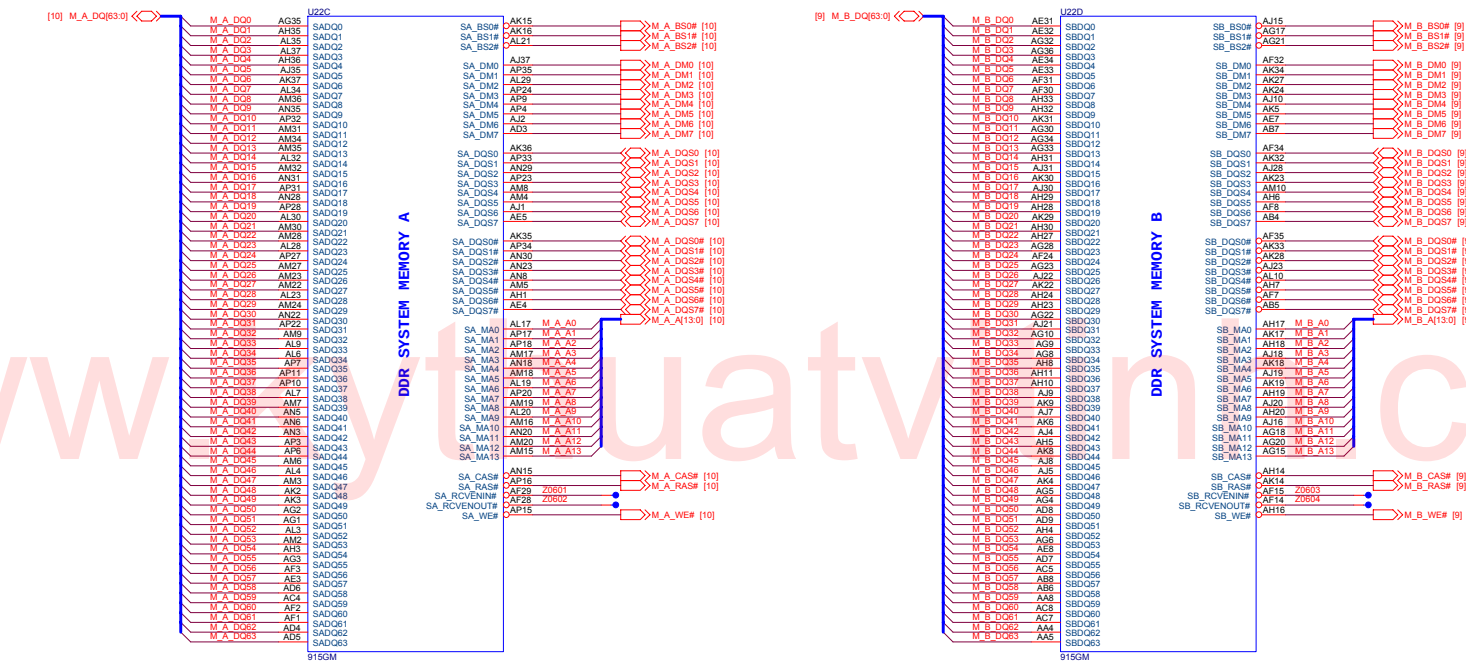
Schematic Diagrams

915GM 2/5

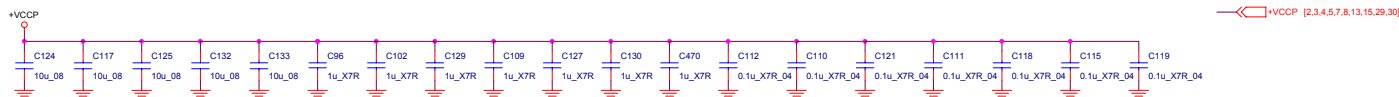
Sheet 5 of 40
915GM 2/5



915GM 3/5



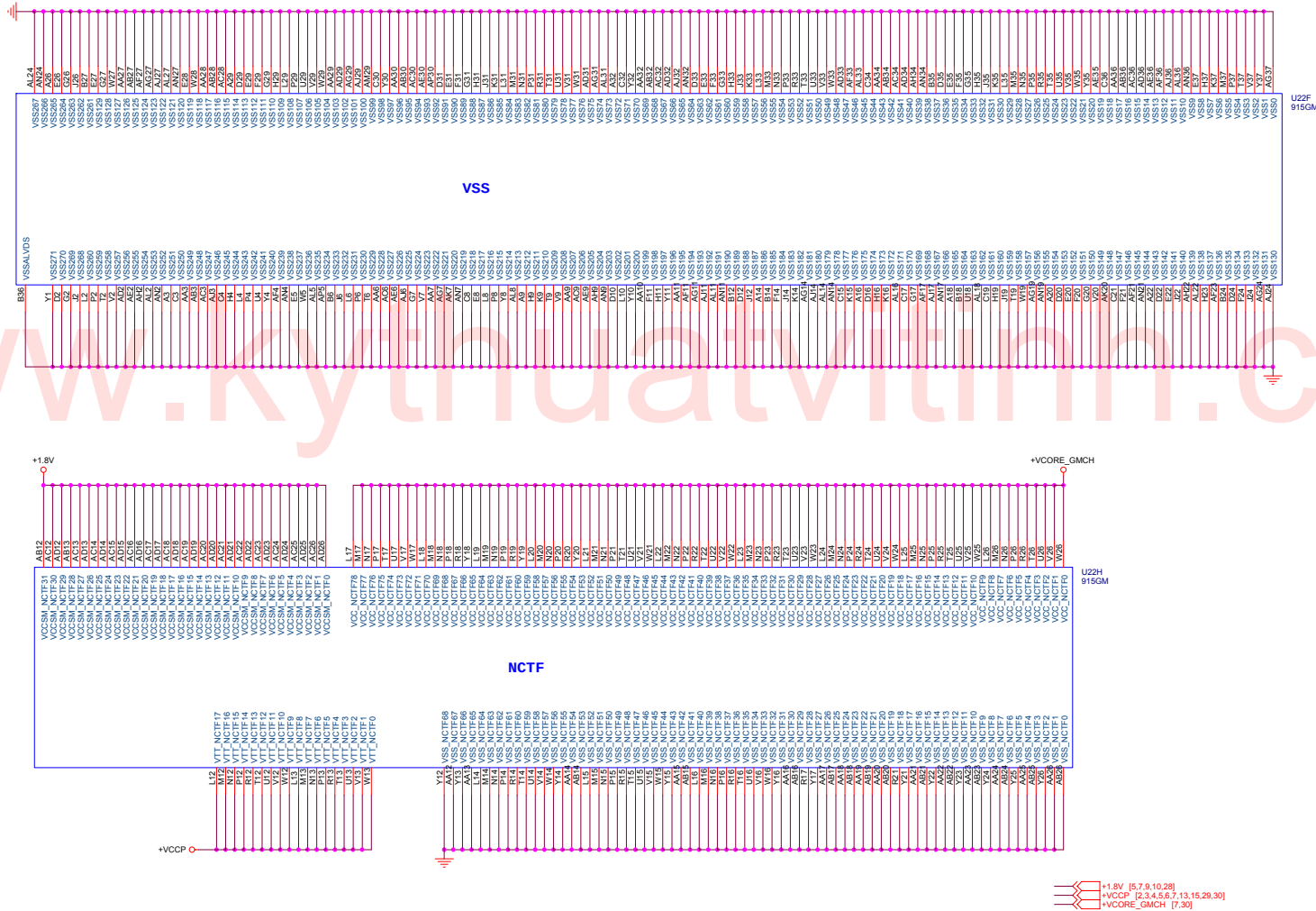
Sheet 6 of 40
915GM 3/5



915GM 4/5

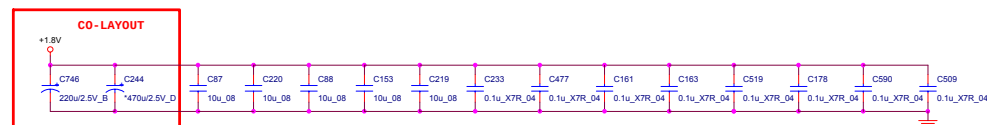
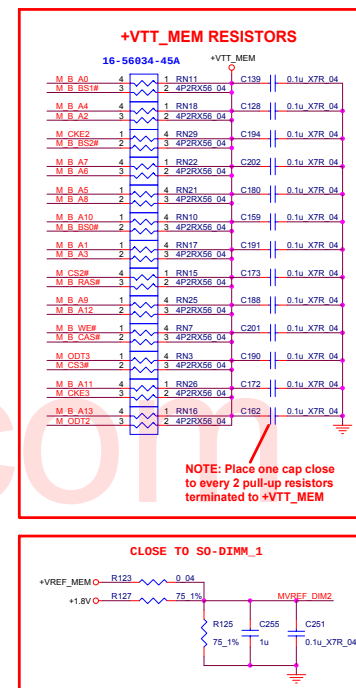
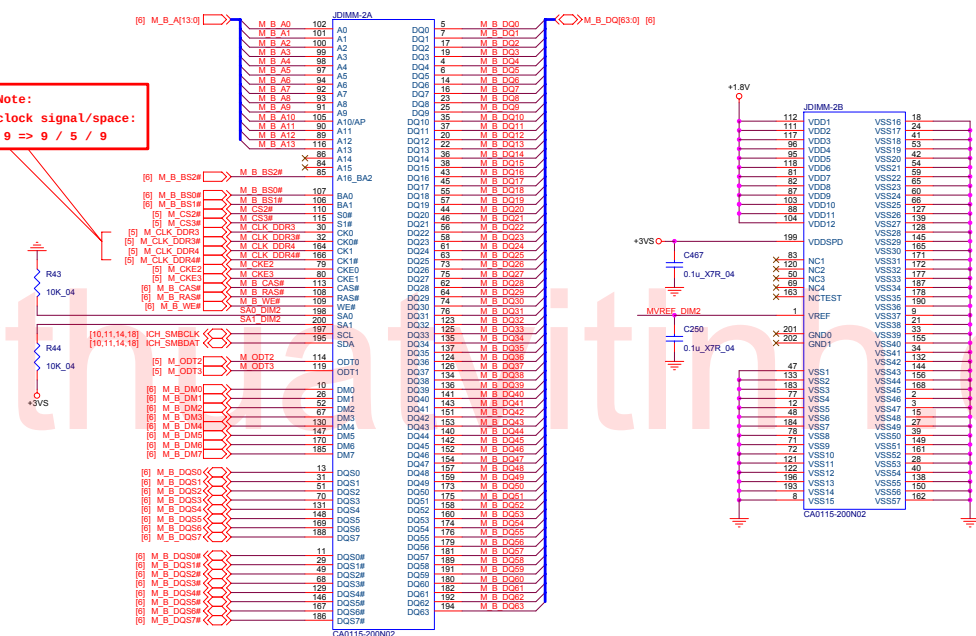
B. Schematic Diagrams

915GM 5/5

Sheet 8 of 40
915GM 5/5

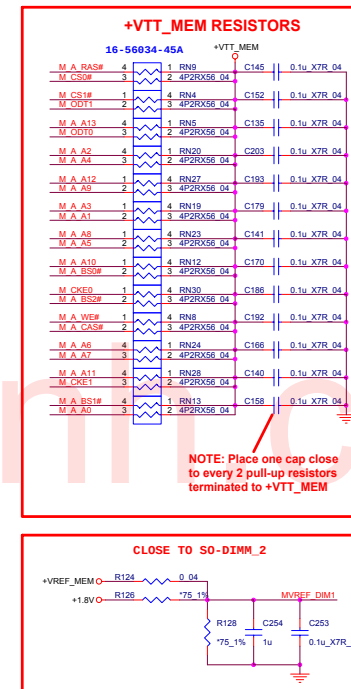
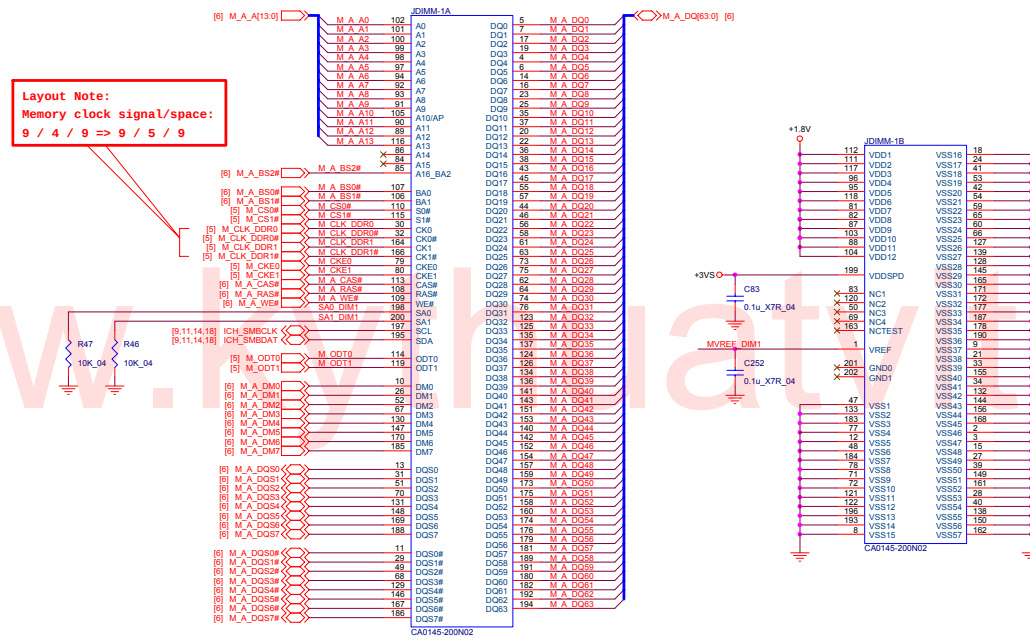
SO-DIMM 2

Layout Note:
Memory clock signal/space:
9 / 4 / 9 => 9 / 5 / 9

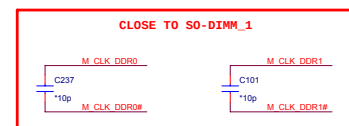


 +1.8V [5,7,8,10,28]
 +3VS [2,7,10,11,12,13,14,15,16,17,18,19,20,22,23,25,26,27,29,30]
 +VTT MEM [10,28]
 +VREF MEM [10]

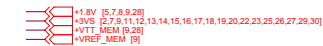
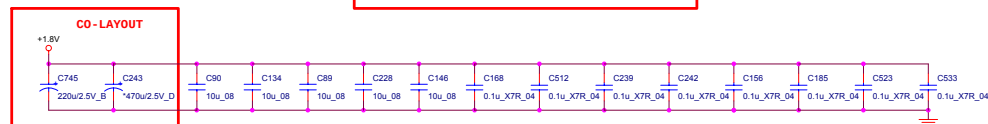
SO-DIMM 1



Sheet 10 of 40
DDRII SO-DIMM 1

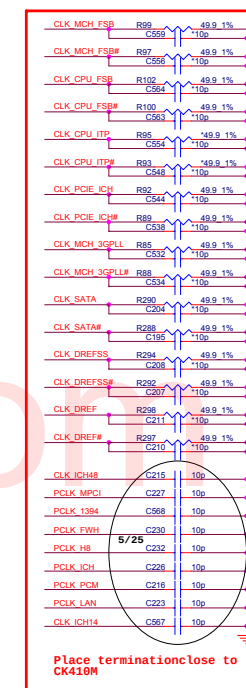
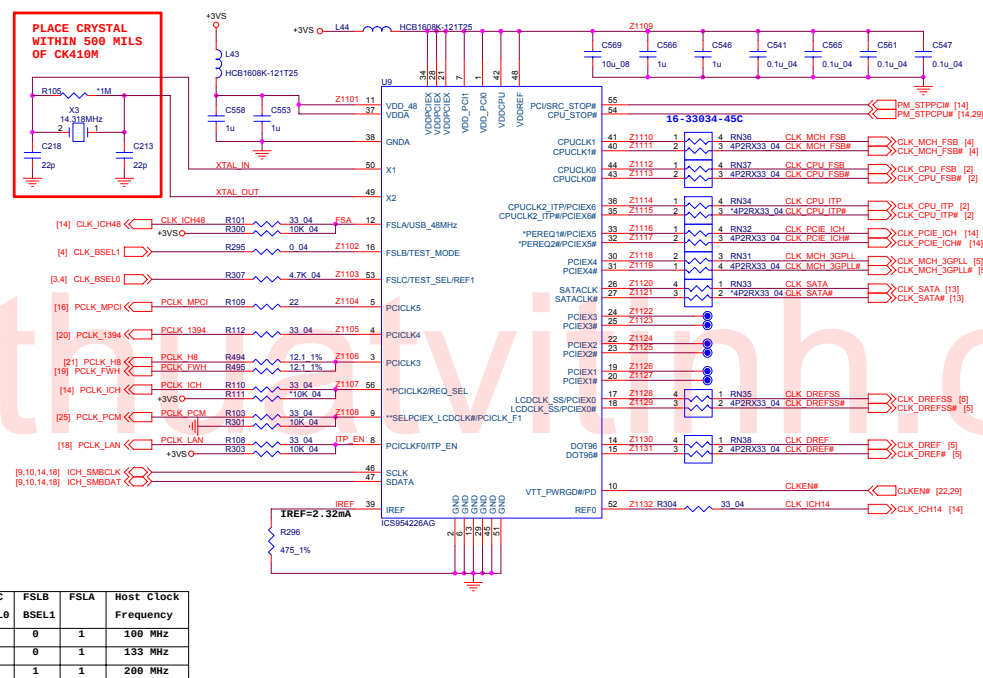


NOTE:
SO-DIMM_1 is placed farther from
the GMCH than SO-DIMM_2



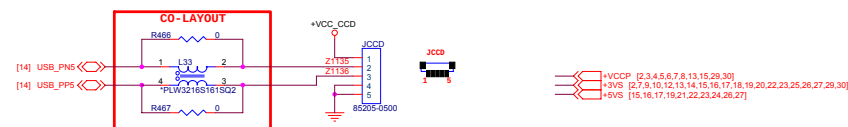
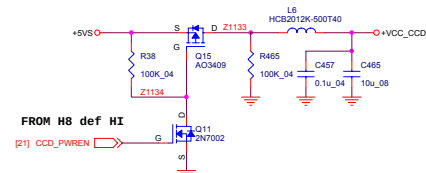
CLOCK GENERATOR, CCD

CLOCK GENERATOR



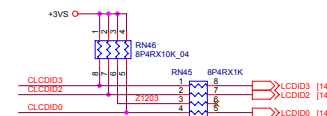
FSLC BSEL0	FSLB BSEL1	FSLA	Host Clock Frequency
1	0	1	100 MHz
0	0	1	133 MHz
1	1	1	200 MHz

CCD



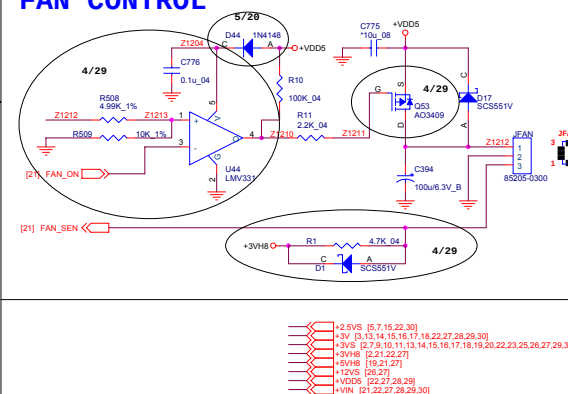
Schematic Diagrams

PANEL ID SELECTOR



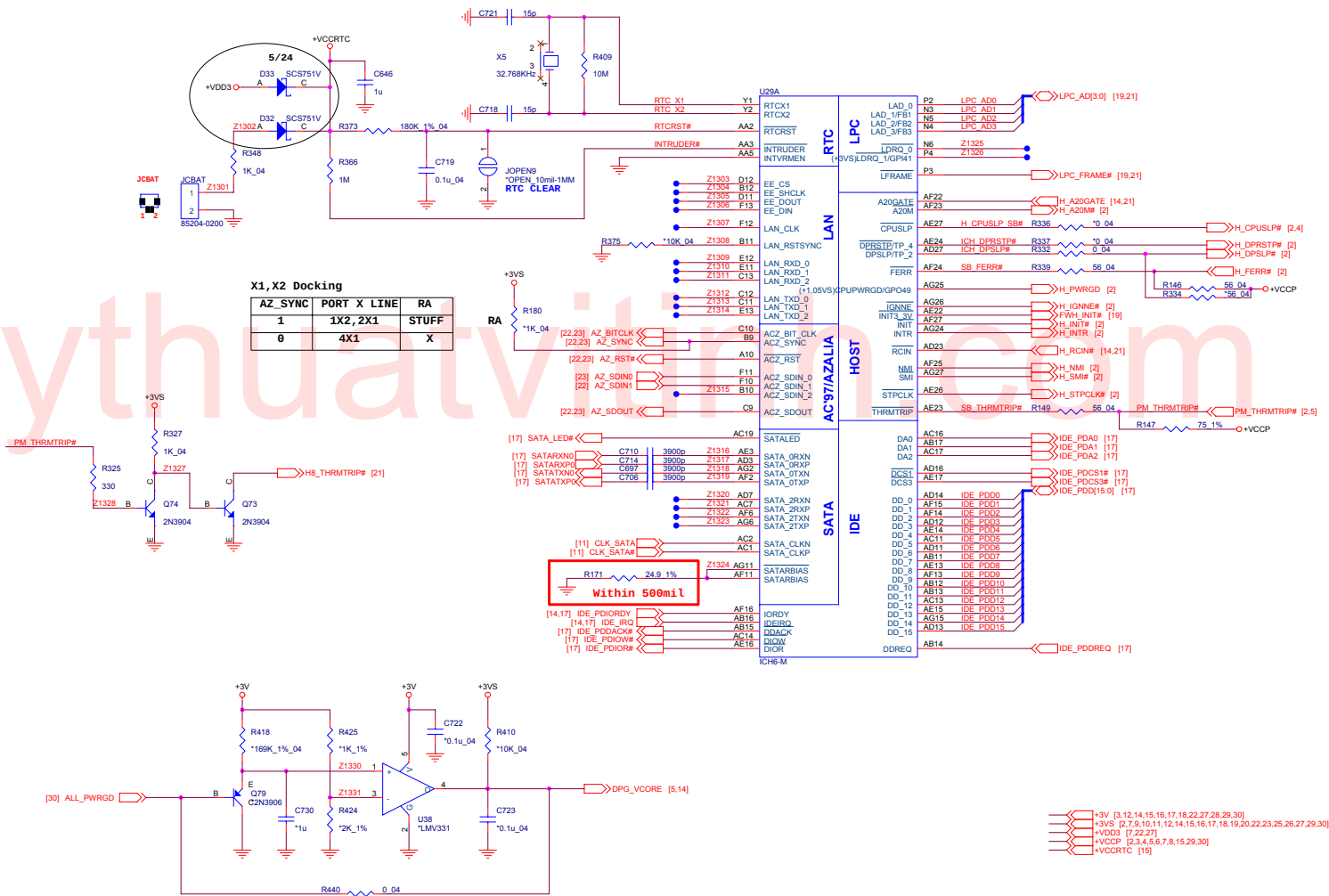
PANEL ID Select		Coaxial Cable		
TYPE	PANEL MODEL	J1CJC-39(6P1024)	J1CJC-29(6P1027)	J1CJC-28(6P102)
15" XGA	AU B15D0G061	0 (GND)	0 (GND)	0 (GND)
15" XGA	CPT CLAA15B9XH01	0 (GND)	0 (GND)	0 (GND)
15" SXGA+	AU B15P0P083	1 (NC)	0 (GND)	0 (GND)
15" SXGA+	CPT CLAA15B9P083	1 (NC)	0 (GND)	0 (GND)
14" WXGA	Hydis HT140Wx1-100	0 (GND)	1 (NC)	0 (GND)
14" WXGA	AU B140EW01	0 (GND)	0 (GND)	0 (GND)
14" WXGA	SAMSUNG LTN140W1-L01	0 (GND)	1 (NC)	0 (GND)

FAN CONTROL

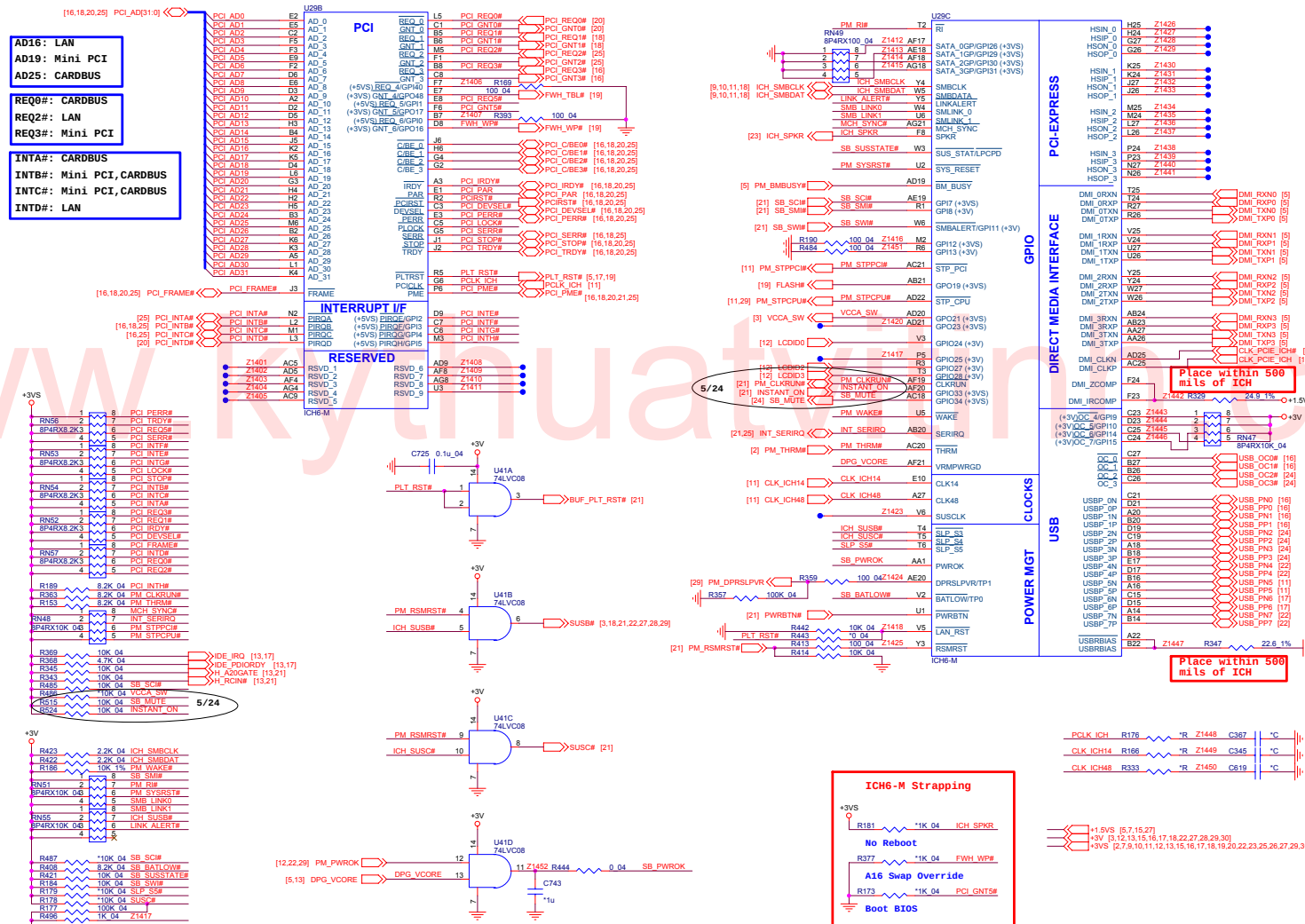


ICH6-M 1/3

Sheet 13 of 40
ICH6-M 1/3

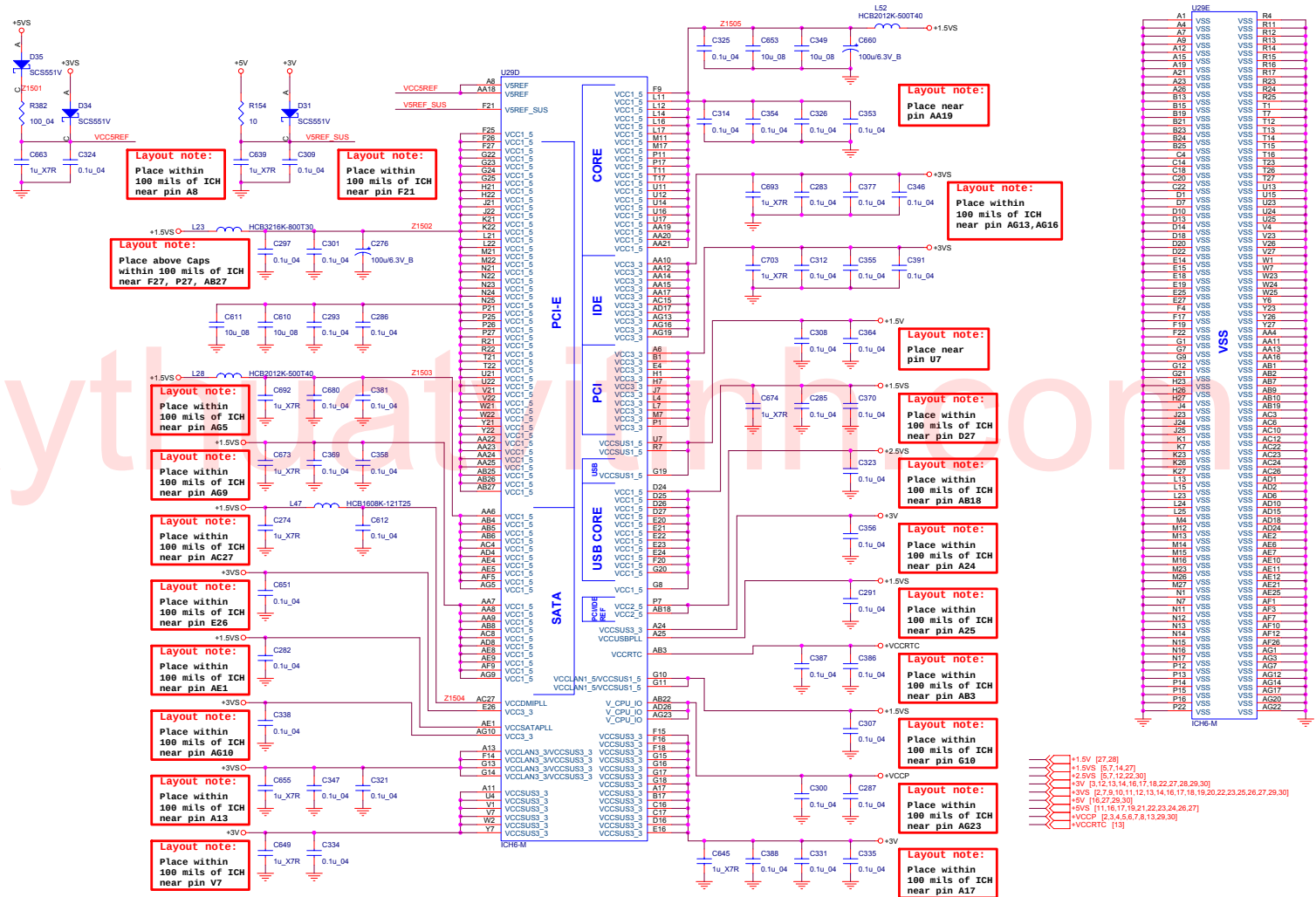


ICH6-M 2/3 B - 15

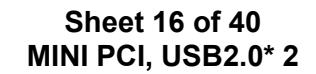


ICH6-M 3/3

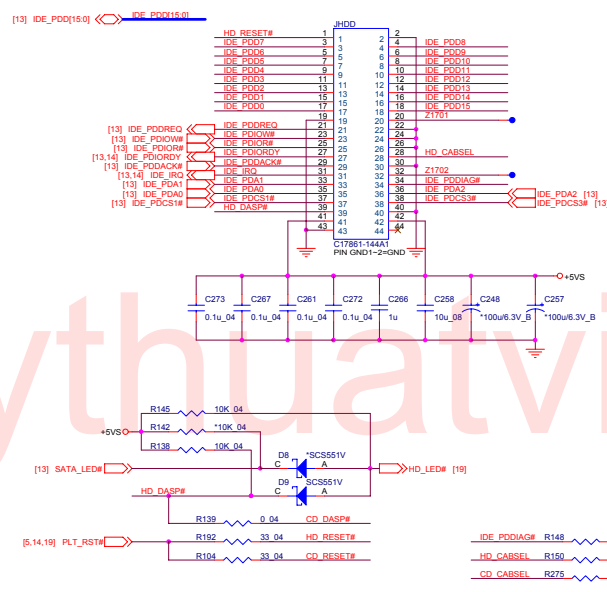
Sheet 15 of 40
ICH6-M 3/3



MINI PCI



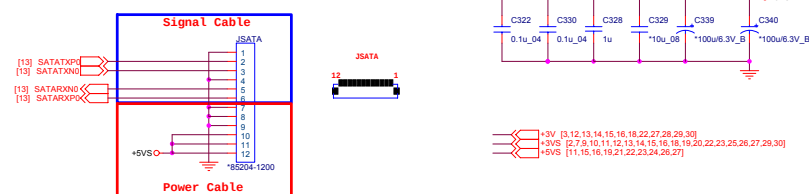
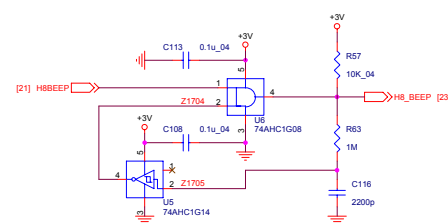
HDD

[illegible]

INT_CD_R & CD_GND & INT_CD_L must parallel routing to Audio Codec. The space must be equal.

	Signal:Space = 1:2	Other Signal	
To AUDIO CODEC	Signal:Space = 1:1	CD_R	From CD-ROM
	Signal:Space = 1:1	CD_G	
	Signal:Space = 1:1	CD_L	
	Signal:Space = 1:2	Other Signal	

SATA HDD

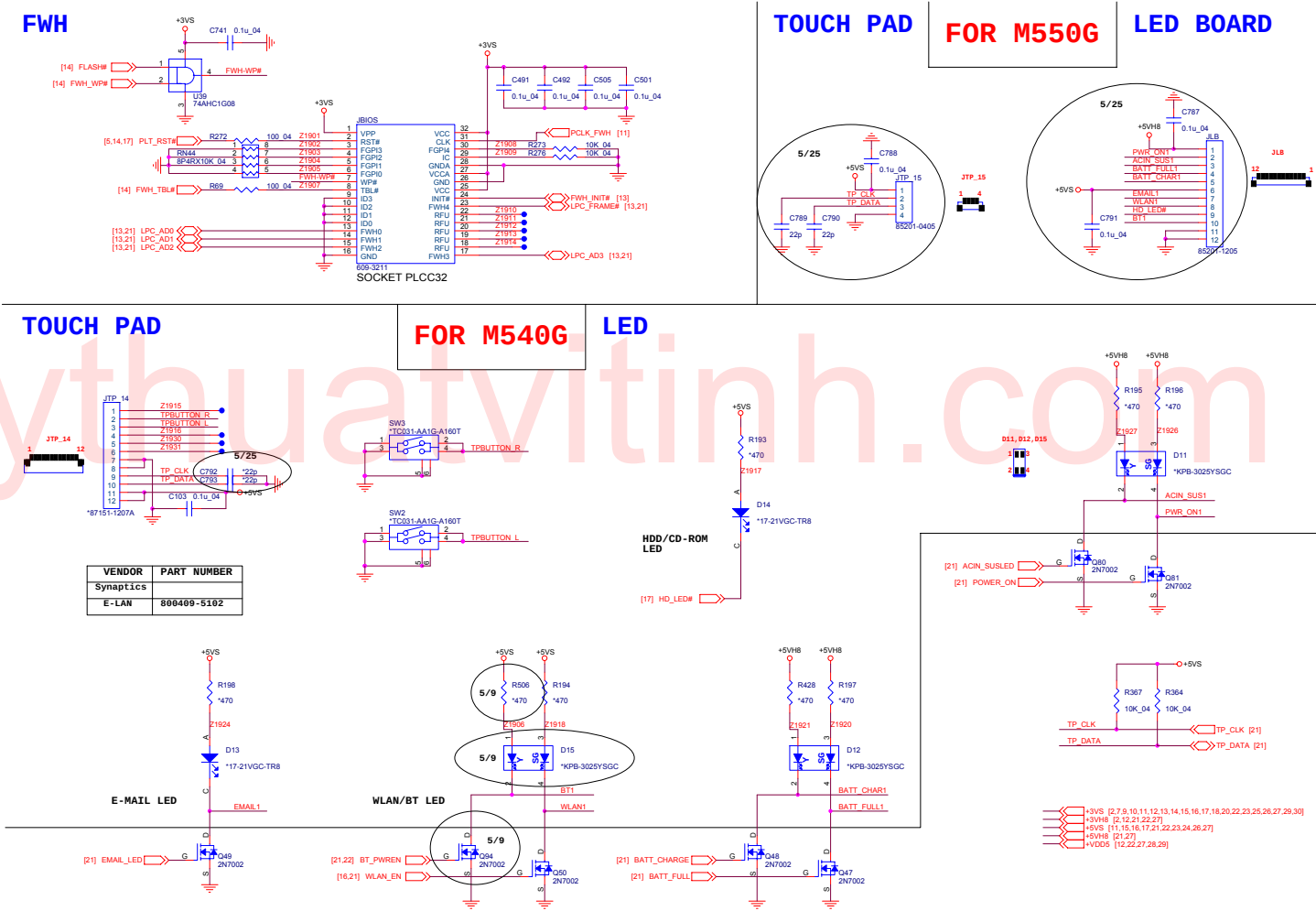


POWER	LAN_AVDDH	LAN_V_12P	LAN_AVDDL	LAN_V_DAC	LAN_DVDD
RTL8100CL	SEE NOTE 1	LC	LB	SEE NOTE 1	LE
RTL8110SBL	SEE NOTE 1	LD	LA	SEE NOTE 1	LF



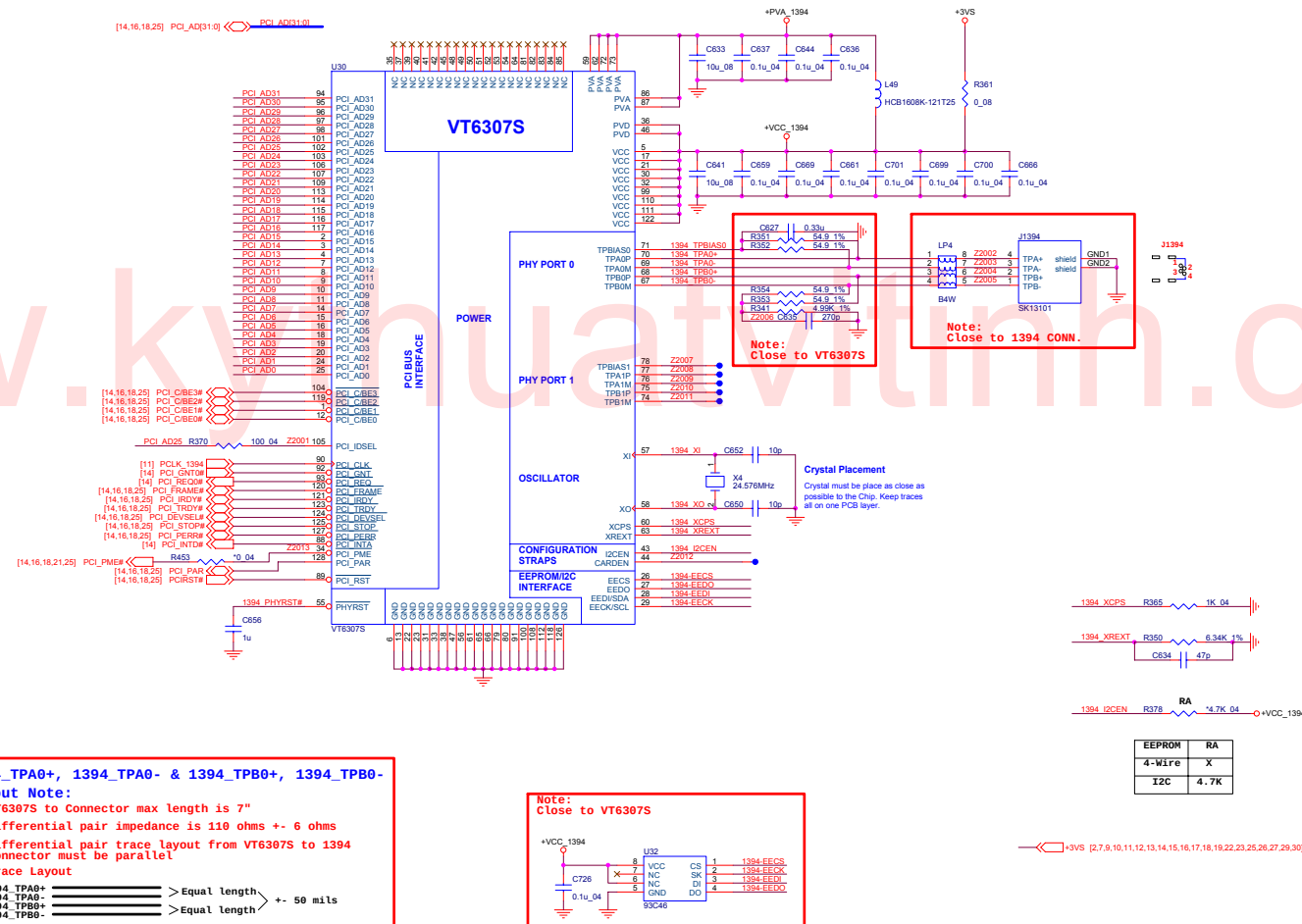
Schematic Diagrams

FWH, TOUCH PAD, LED



IEEE 1394 VT6307S

IEEE1394

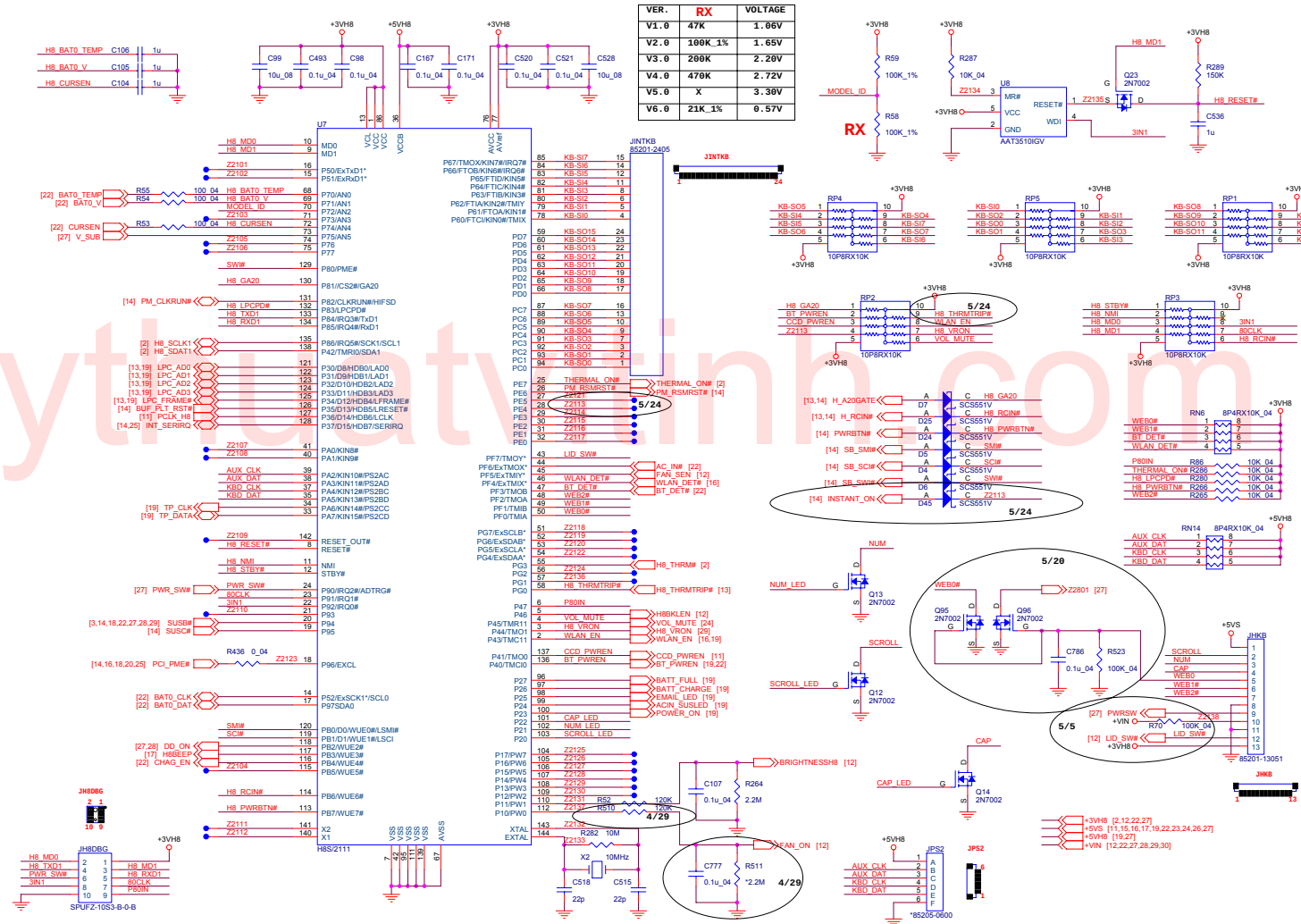


Sheet 20 of 40
IEEE 1394 VT6307S

B.Schematic Diagrams

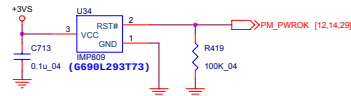
Schematic Diagrams

H8/2111

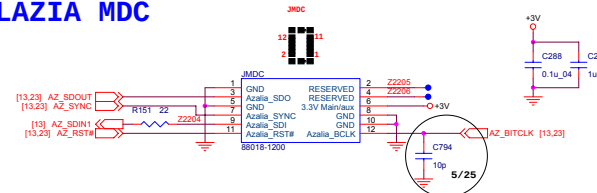
Sheet 21 of 40
H8/2111

MDC, USB BT, PWRGD, DDB CON

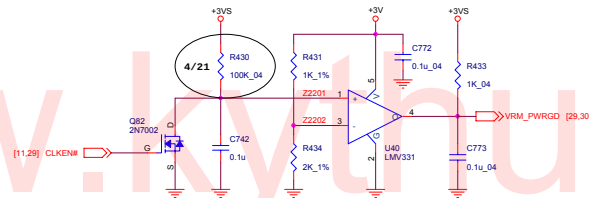
POWER OK



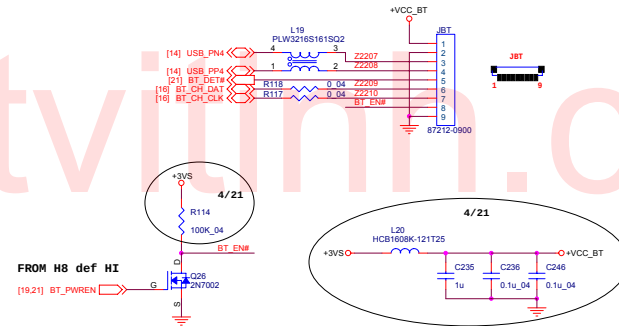
ALAZIA MDC



VCORE PWRGD

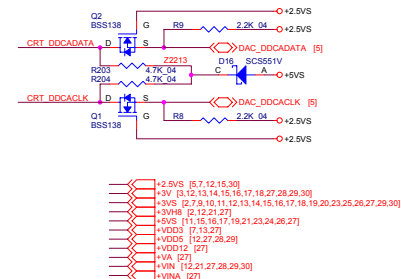
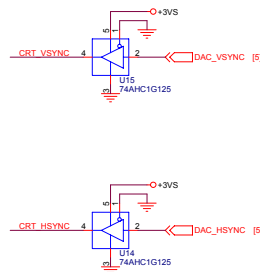
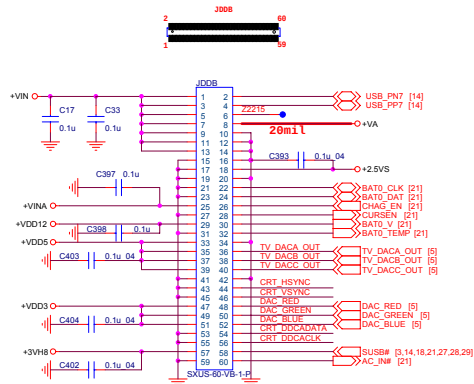


USB BLUETOOTH



Sheet 22 of 40
MDC, USB BT,
PWRGD, DDB CON

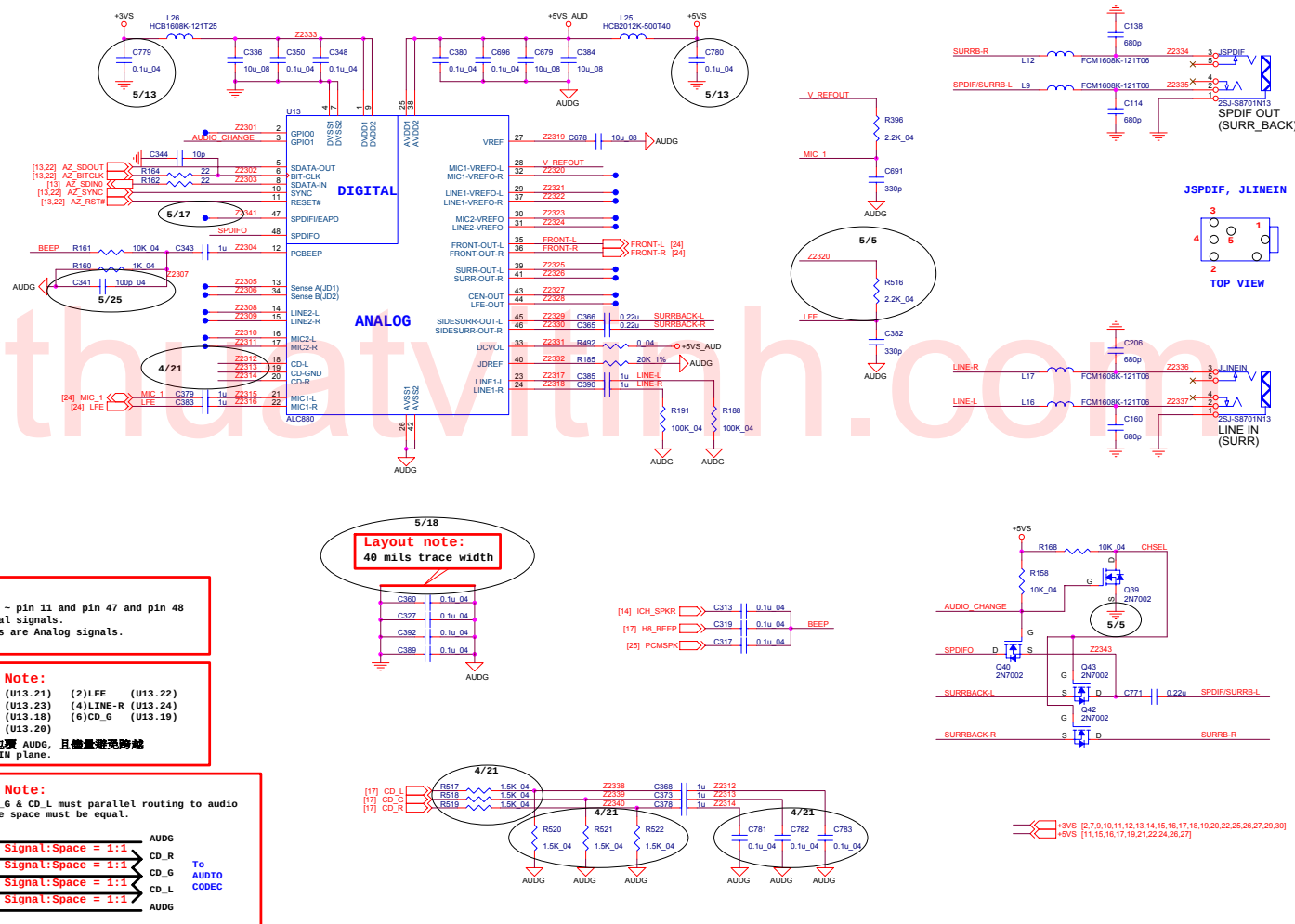
TO MULTI-FUNCTION BOARD



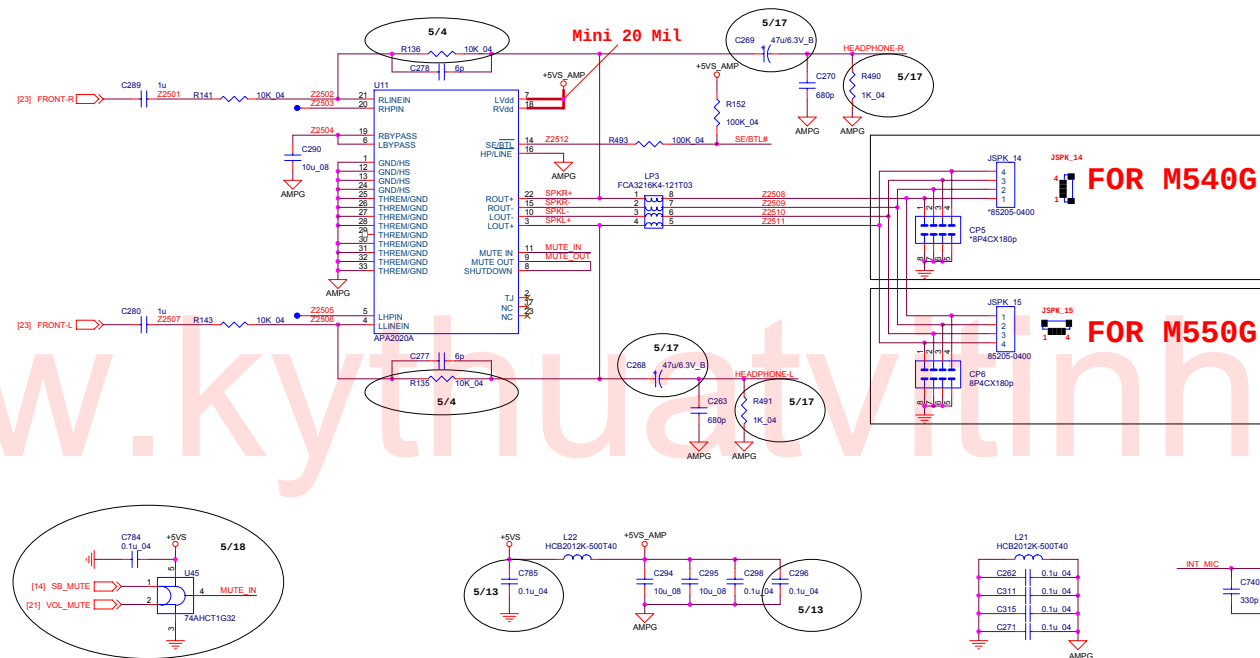
AZALIA CODEC ALC880

B. Schematic Diagrams

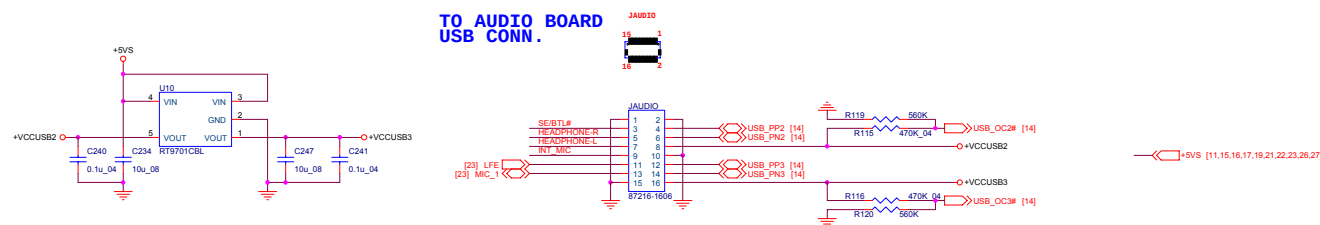
Sheet 23 of 40
AZALIA CODEC
ALC880



AUDIO AMP, USB2.0* 2

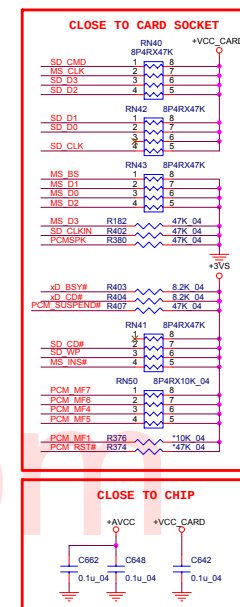
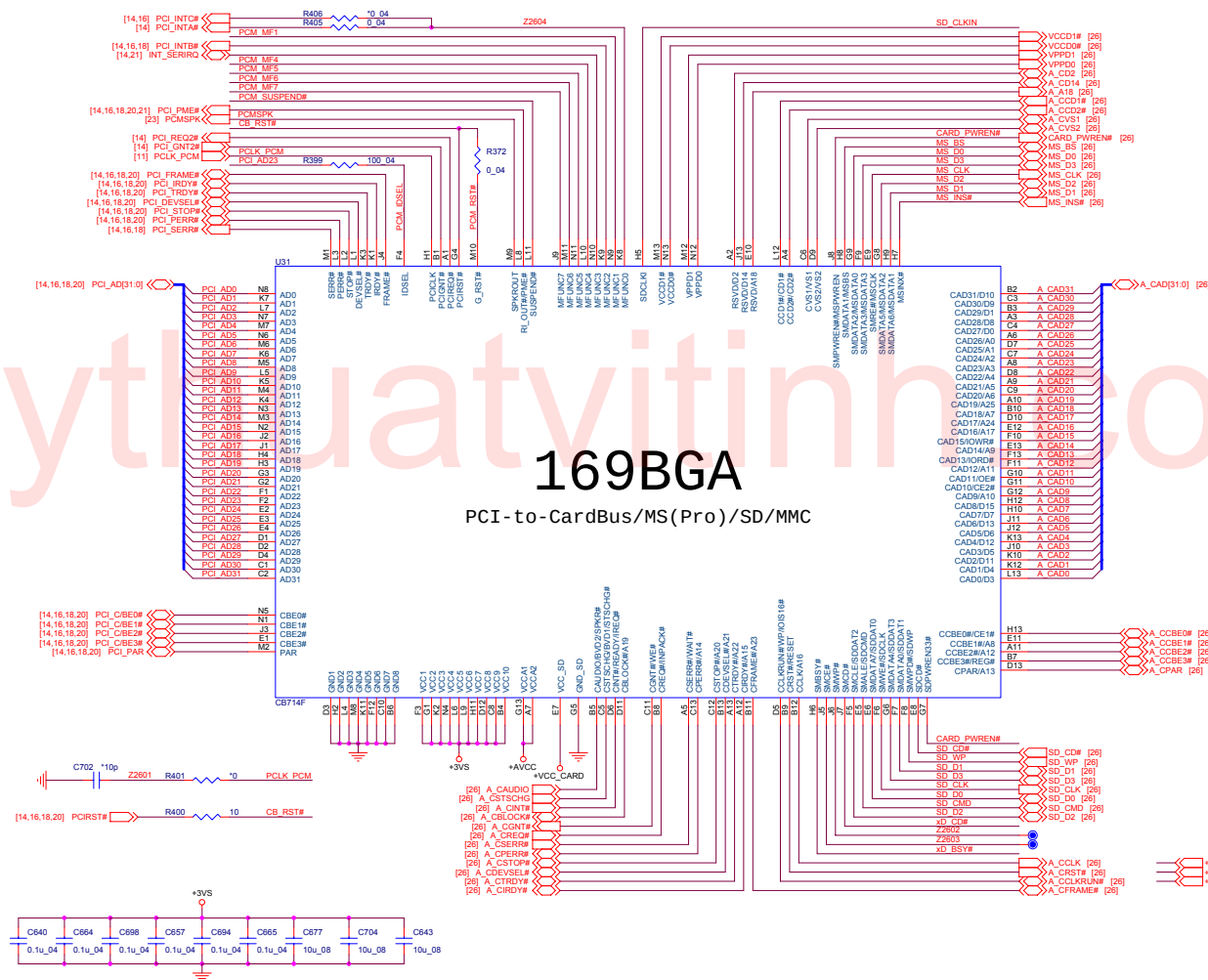


Sheet 24 of 40
AUDIO AMP, USB*
2



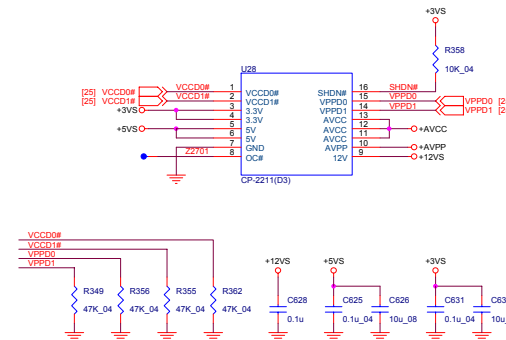
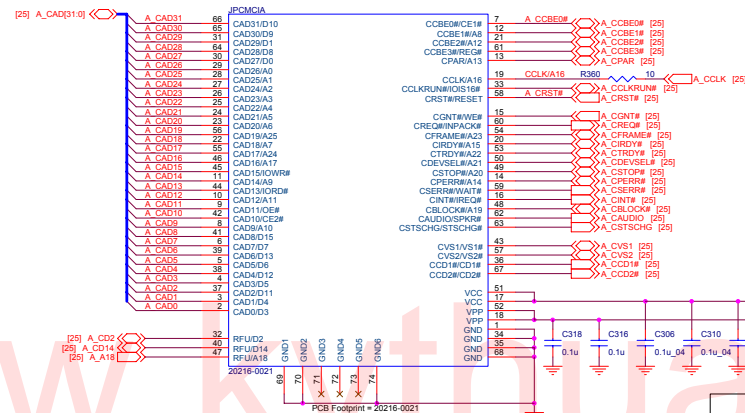
169BGA

PCI-to-CardBus/MS(Pro)/SD/MMC



PCM SOCKET, 3 IN 1 SOCKET

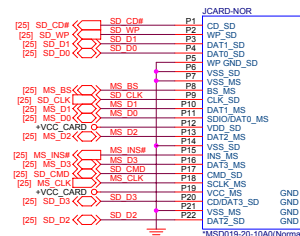
CARDBUS SOCKET



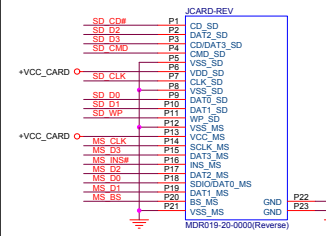
Sheet 26 of 40
PCM SOCKET, 3 IN
1 SOCKET

3 IN 1 SOCKET SD/MMC/MS(Pro)

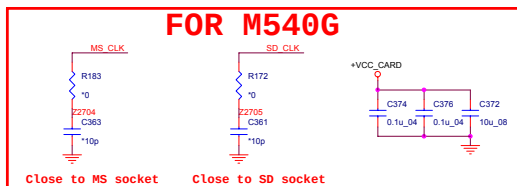
FOR M540G



FOR M550G

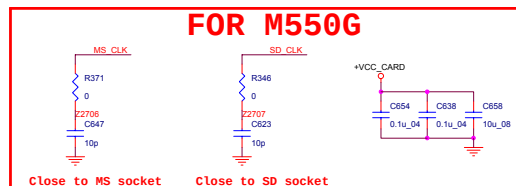


FOR M540G



Close to MS socket Close to SD socket

FOR M550G



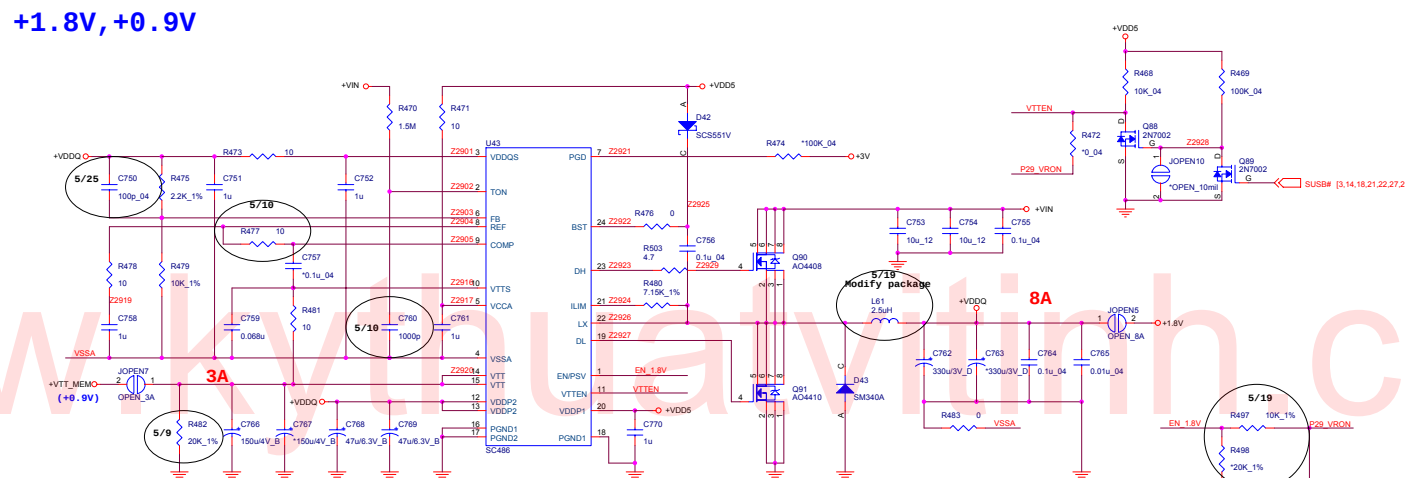
Close to MS socket Close to SD socket

+3VS [2,7,9,10,11,12,13,14,15,16,17,18,19,20,22,23,25,27,29,30]
+5VS [1,15,16,17,19,21,22,23,24,27]
+12VS [12,27]
+VCC [25]
+VCC_CARD [25]

Sheet 27 of 40
SYSTEM POWER,
BRIDGE BATT

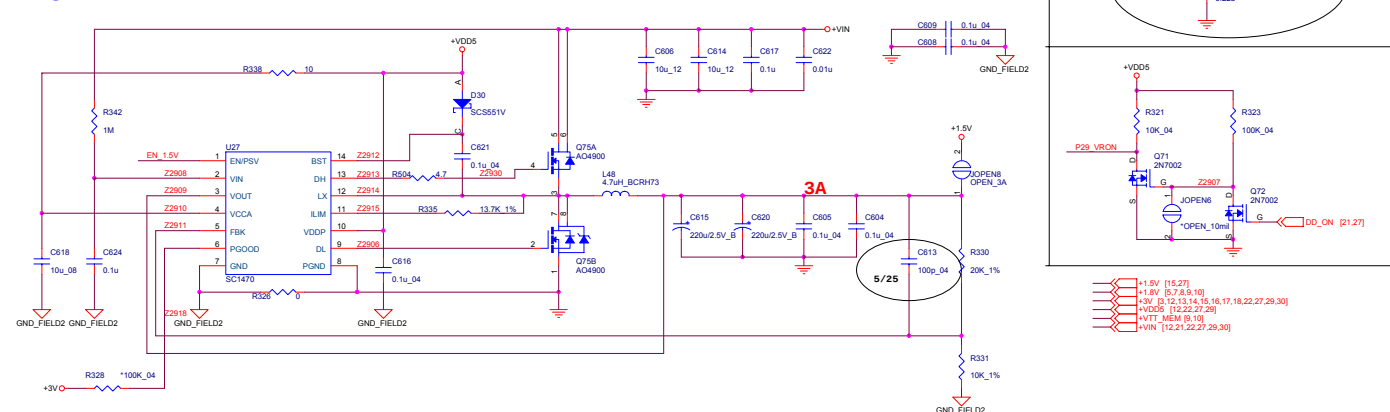


+1.8V, +0.9V



Sheet 28 of 40
+1.8V,+1.5,+VTT
MEM

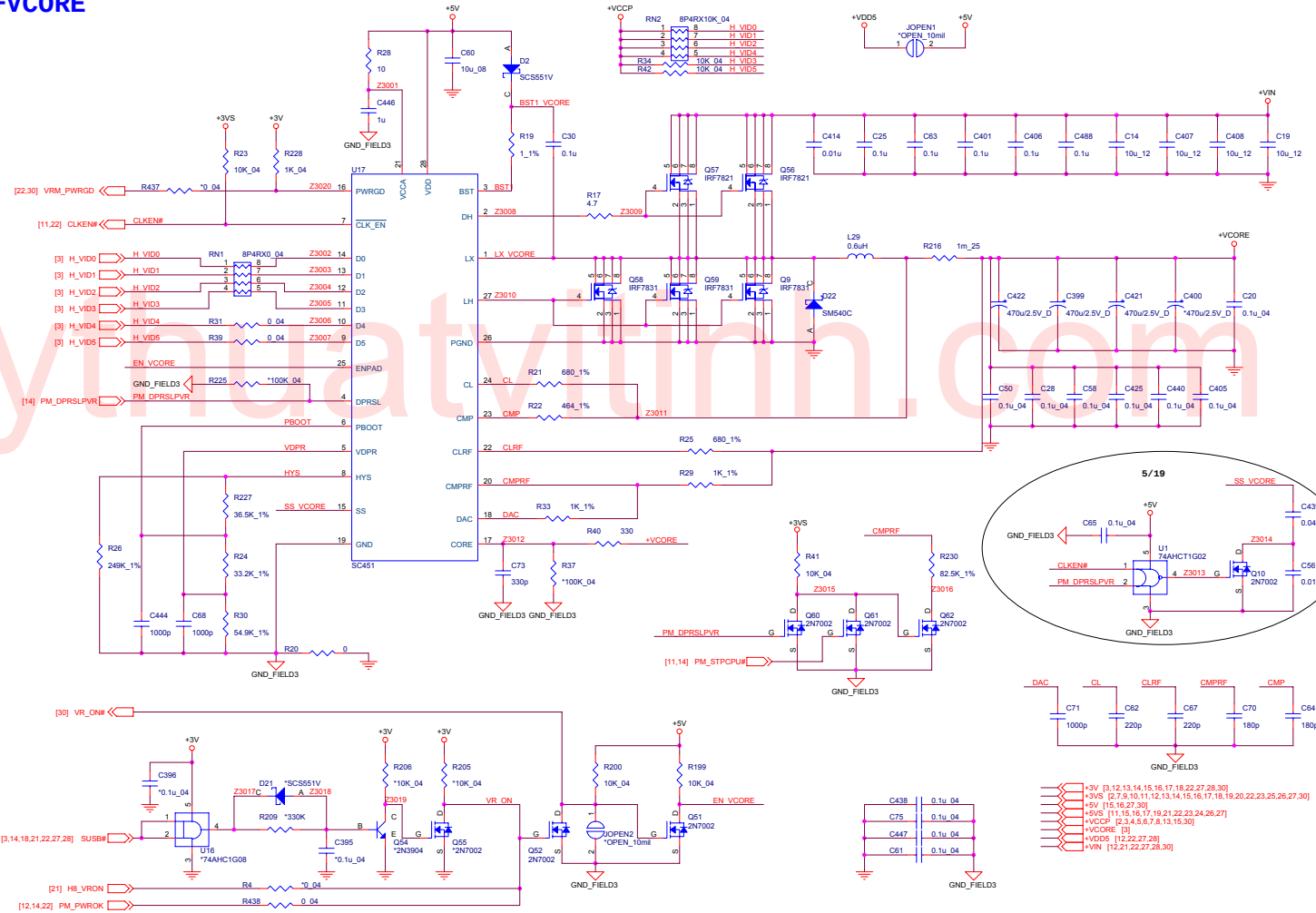
+1.5V



Schematic Diagrams

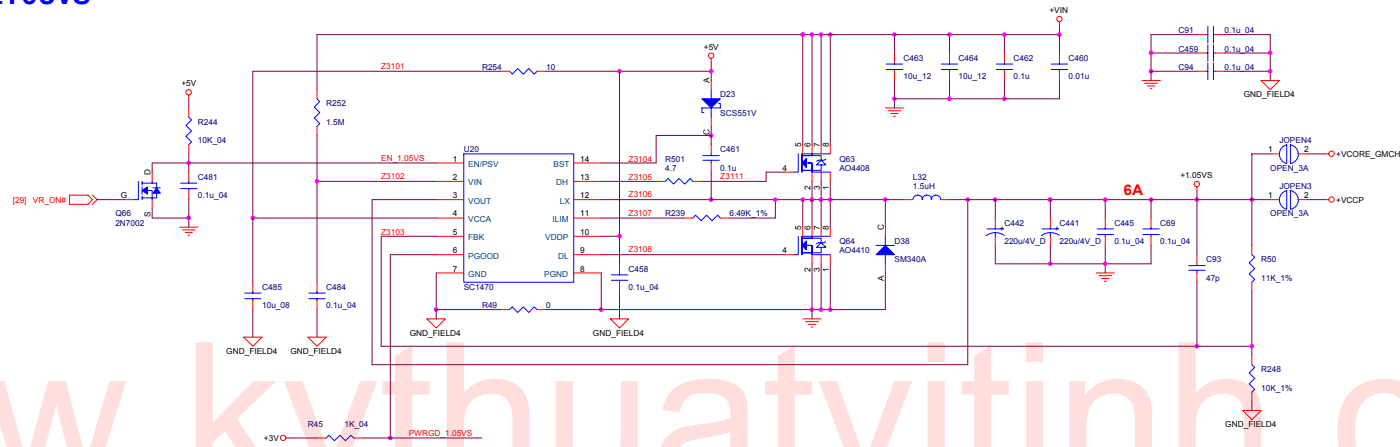
+VCORE

Sheet 29 of 40
+VCORE

+VCORE

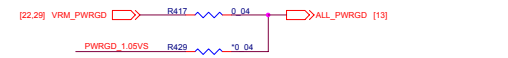
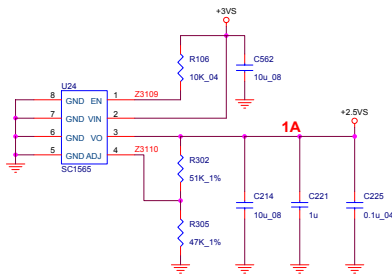
+1.05VS, +2.5VS

+1.05VS

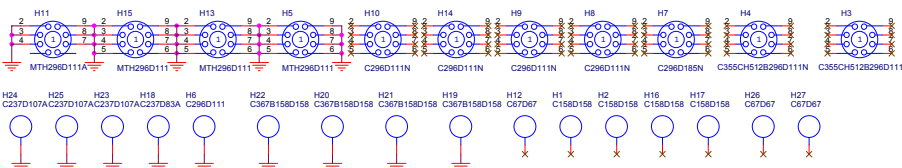
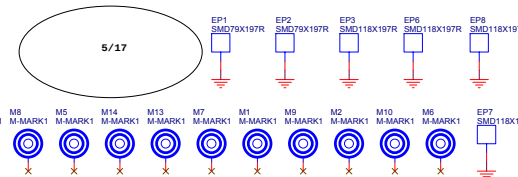


Sheet 30 of 40
+1.05VS, +2.5VS

+2.5VS



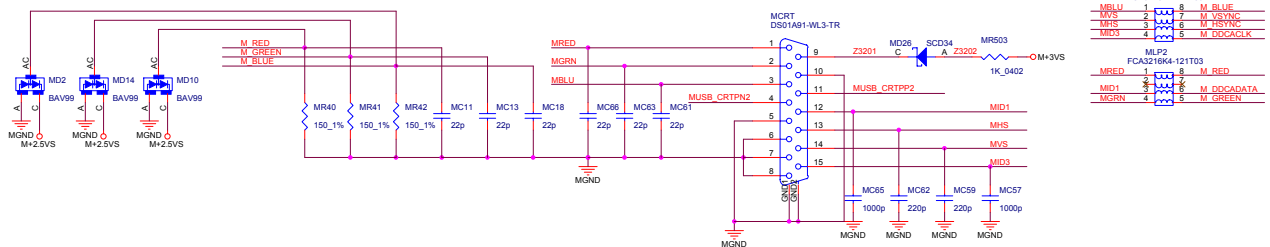
- +2.5VS [5,7,12,15,22]
- +3V [3,12,13,14,15,16,17,18,22,27,28,29]
- +5VS [2,7,9,10,11,12,13,14,15,16,17,18,19,20,22,23,25,26,27,29]
- +5V [15,16,27,29]
- +VCCP [2,3,4,5,6,7,8,13,15,29]
- +VCCORE_GMCH [17,8]
- +VIN [12,21,22,27,28,29]



Schematic Diagrams

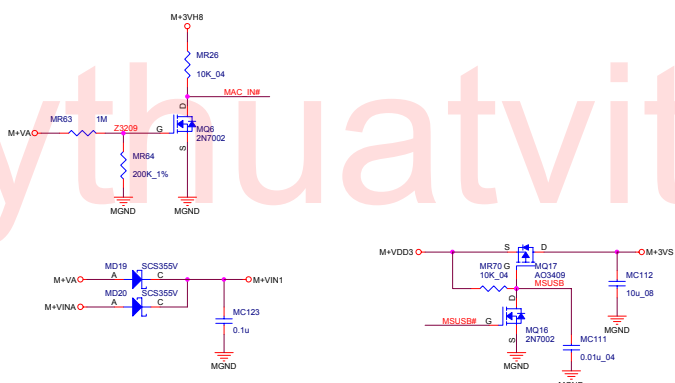
D/D BD (CRT, S-VIDEO, RJ-11)

CRT

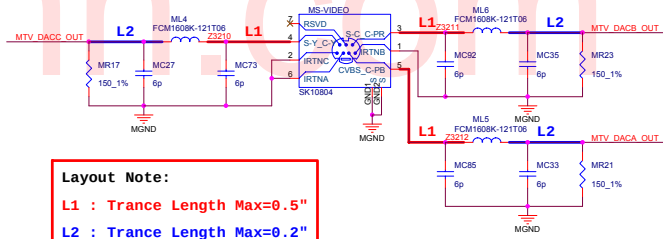


MLP1	FCAS216K4-121T03	1	8	M BLUE
MLP2	FCAS216K4-121T03	1	8	M RED
MLP3	FCAS216K4-121T03	1	8	M GREEN
MLP4	FCAS216K4-121T03	1	8	M RED
MLP5	FCAS216K4-121T03	1	8	M RED
MLP6	FCAS216K4-121T03	1	8	M RED
MLP7	FCAS216K4-121T03	1	8	M RED
MLP8	FCAS216K4-121T03	1	8	M RED
MLP9	FCAS216K4-121T03	1	8	M RED
MLP10	FCAS216K4-121T03	1	8	M RED
MLP11	FCAS216K4-121T03	1	8	M RED
MLP12	FCAS216K4-121T03	1	8	M RED
MLP13	FCAS216K4-121T03	1	8	M RED
MLP14	FCAS216K4-121T03	1	8	M RED
MLP15	FCAS216K4-121T03	1	8	M RED
MLP16	FCAS216K4-121T03	1	8	M RED
MLP17	FCAS216K4-121T03	1	8	M RED
MLP18	FCAS216K4-121T03	1	8	M RED
MLP19	FCAS216K4-121T03	1	8	M RED
MLP20	FCAS216K4-121T03	1	8	M RED
MLP21	FCAS216K4-121T03	1	8	M RED
MLP22	FCAS216K4-121T03	1	8	M RED
MLP23	FCAS216K4-121T03	1	8	M RED
MLP24	FCAS216K4-121T03	1	8	M RED
MLP25	FCAS216K4-121T03	1	8	M RED
MLP26	FCAS216K4-121T03	1	8	M RED
MLP27	FCAS216K4-121T03	1	8	M RED
MLP28	FCAS216K4-121T03	1	8	M RED
MLP29	FCAS216K4-121T03	1	8	M RED
MLP30	FCAS216K4-121T03	1	8	M RED
MLP31	FCAS216K4-121T03	1	8	M RED
MLP32	FCAS216K4-121T03	1	8	M RED
MLP33	FCAS216K4-121T03	1	8	M RED
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MLP59	FCAS216K4-121T03	1	8	M RED
MLP60	FCAS216K4-121T03	1	8	M RED

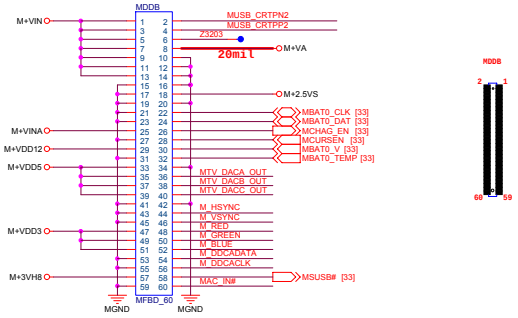
Sheet 31 of 40
D/D BD (CRT, S-VIDEO, RJ-11)



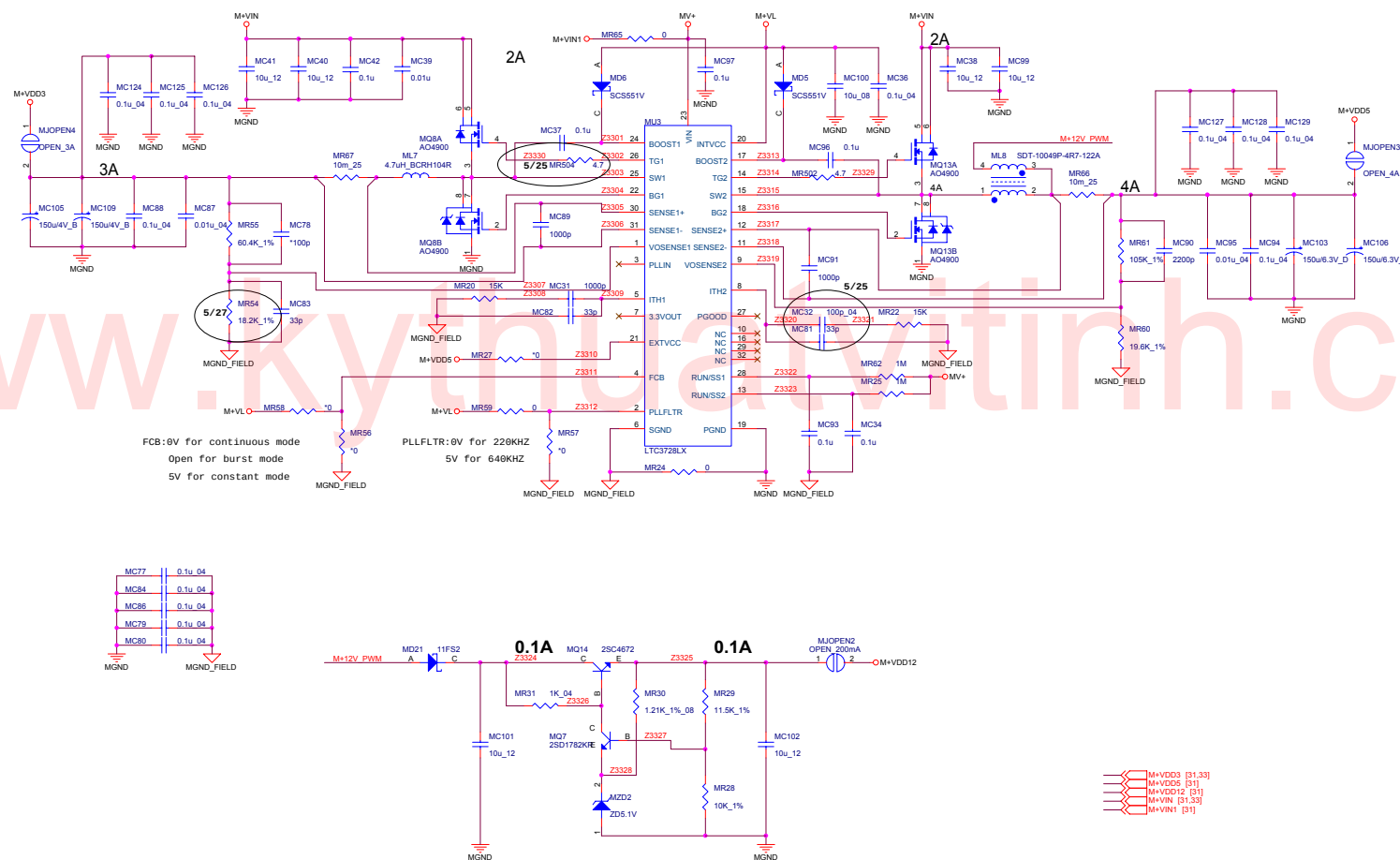
S-VIDEO



Layout Note:
L1 : Trance Length Max=0.5"
L2 : Trance Length Max=0.2"



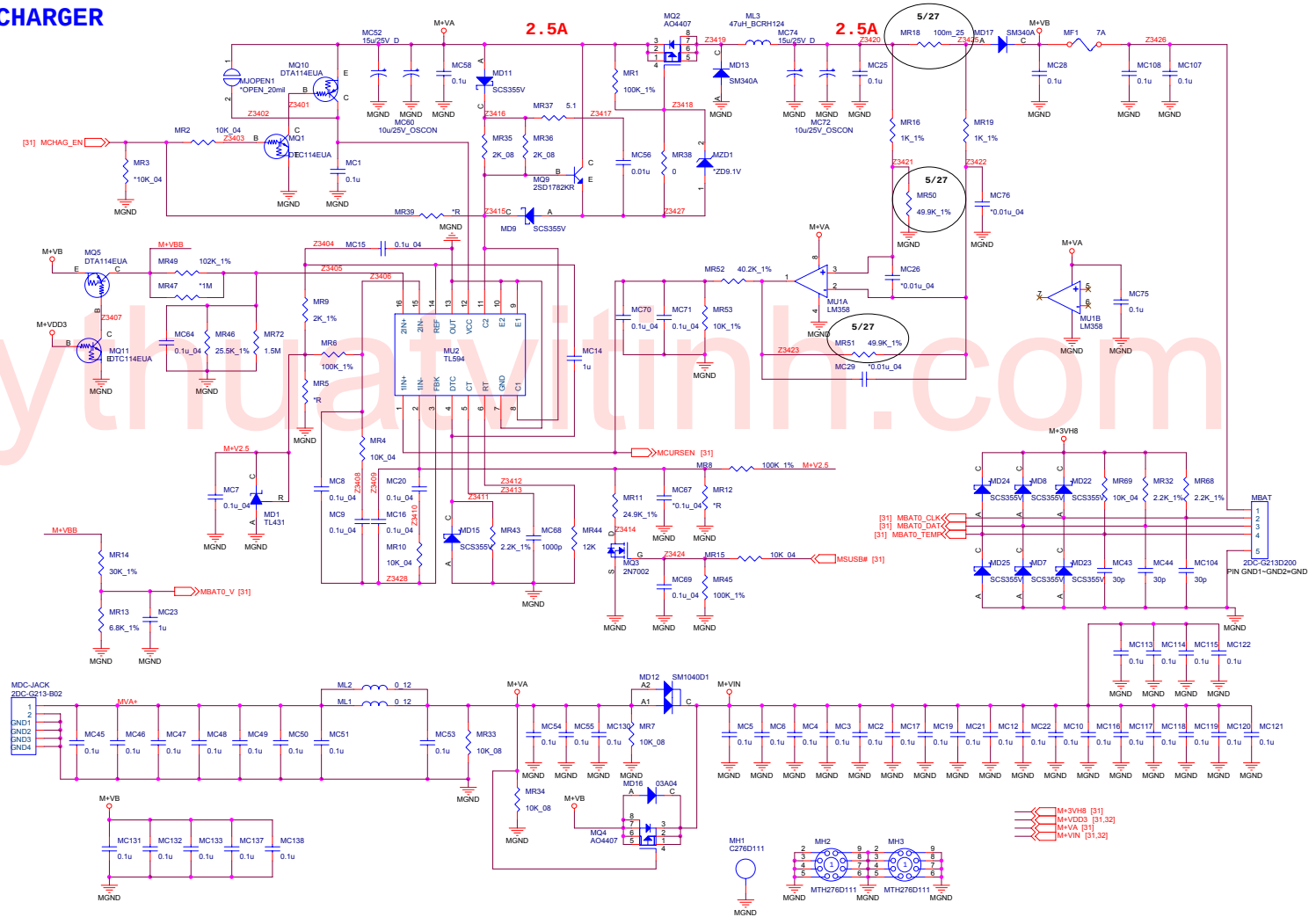
+VDD3, +VDD5, +VDD12



Sheet 32 of 40
D/D BD (+VDD3,
+VDD5, +VDD12)

D/D BD (CHARGER, DC IN)

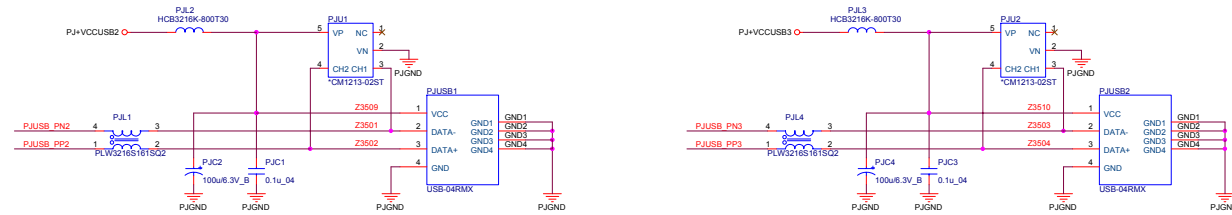
CHARGER



Sheet 33 of 40
D/D BD (CHARGER,
DC IN)

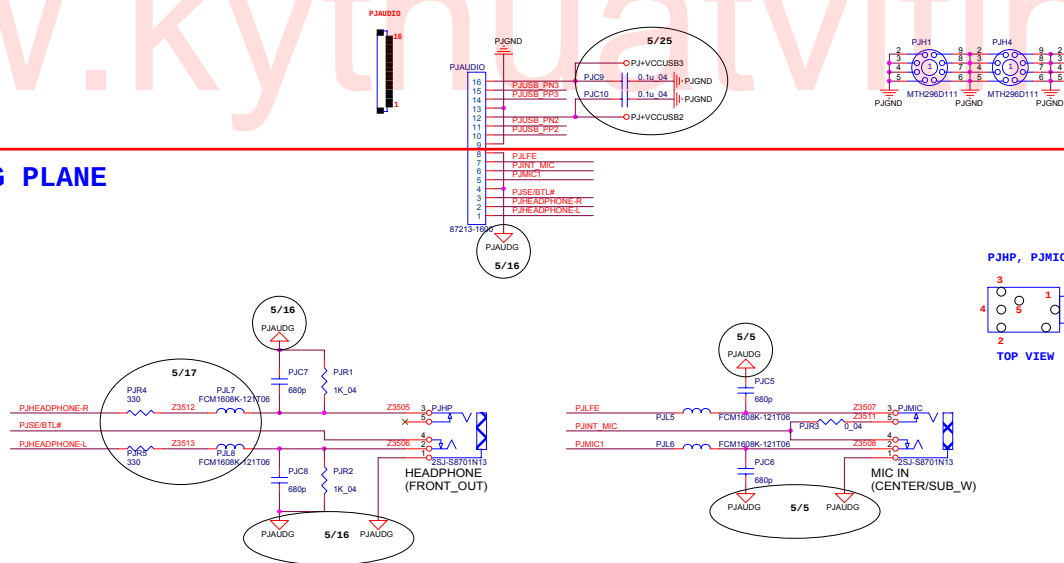
AUDIO BD (PHONE JACK, USB)

DIGITAL PLANE



Sheet 34 of 40
AUDIO BD (PHONE JACK, USB)

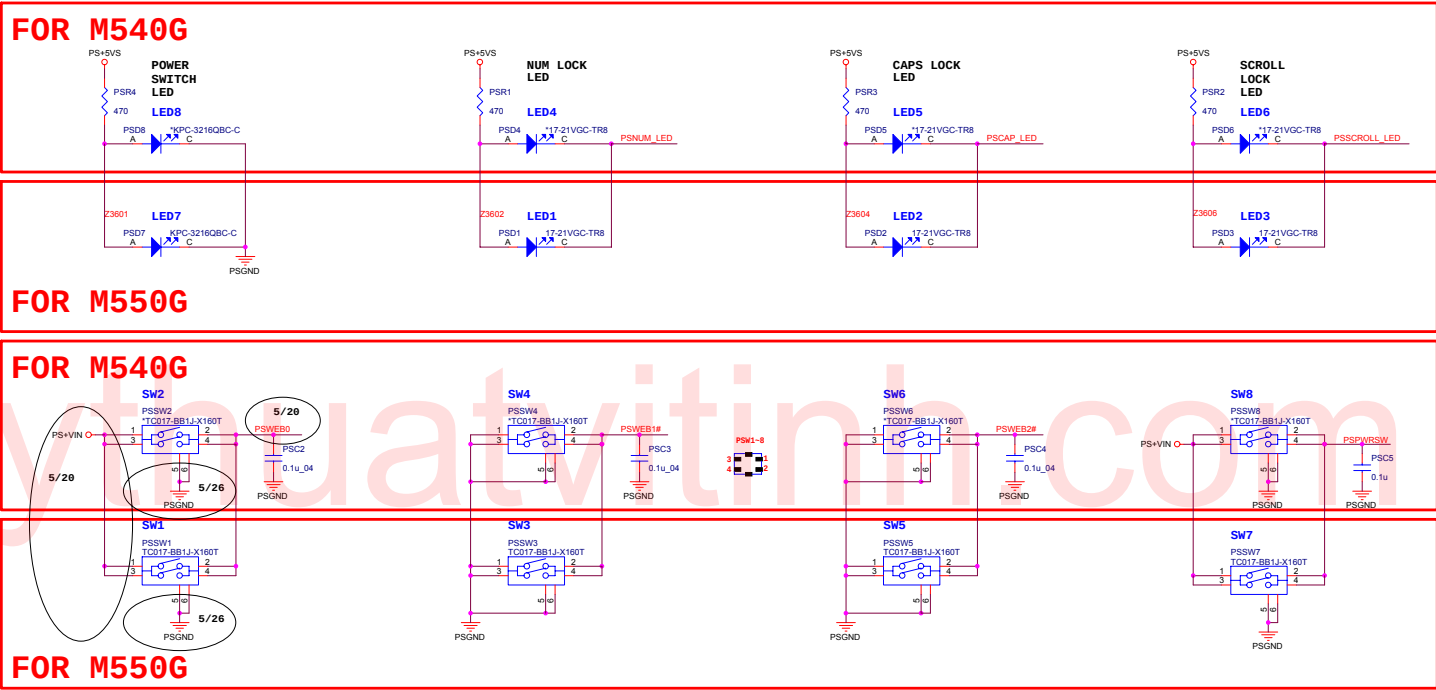
ANALOG PLANE



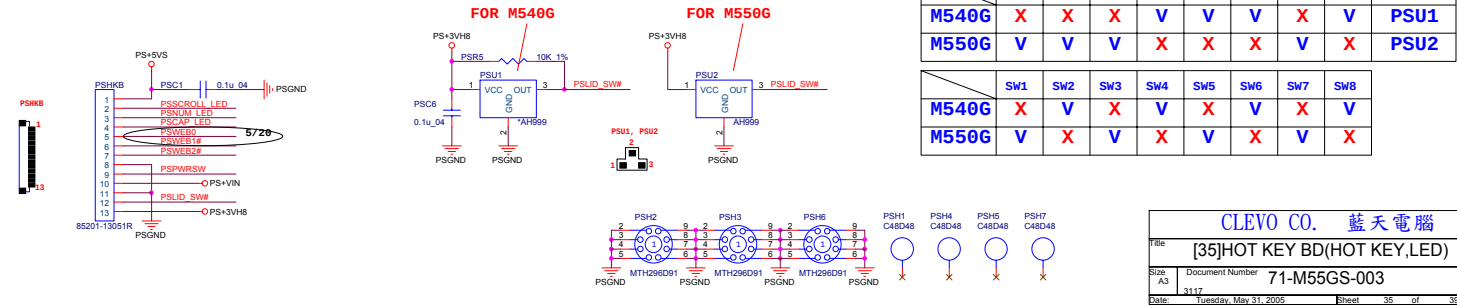
Schematic Diagrams

HOT KEY BD (HOT KEY, LED)

Sheet 35 of 40
HOT KEY BD (HOT
KEY, LED)

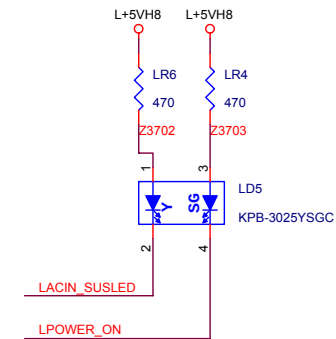
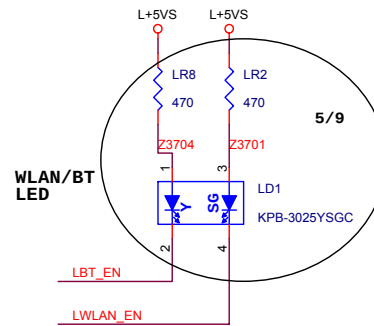
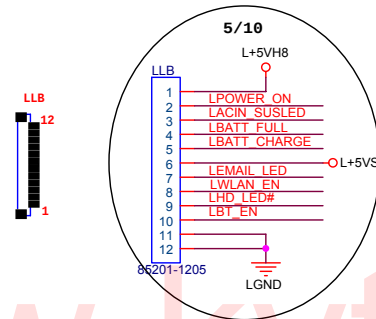


LID SWITCH IC

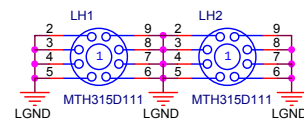
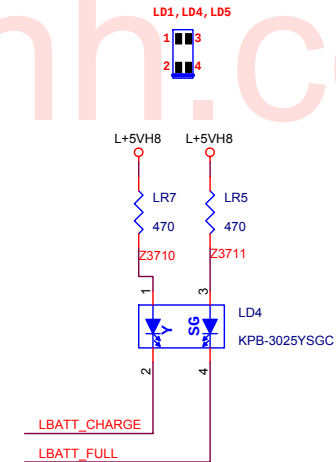
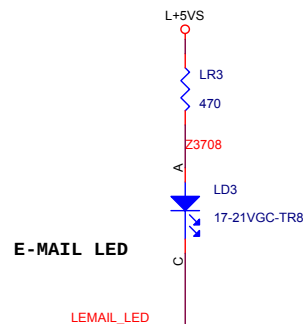
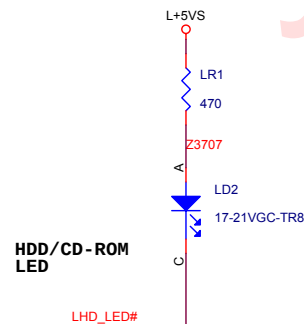


LED BOARD

FOR M550G



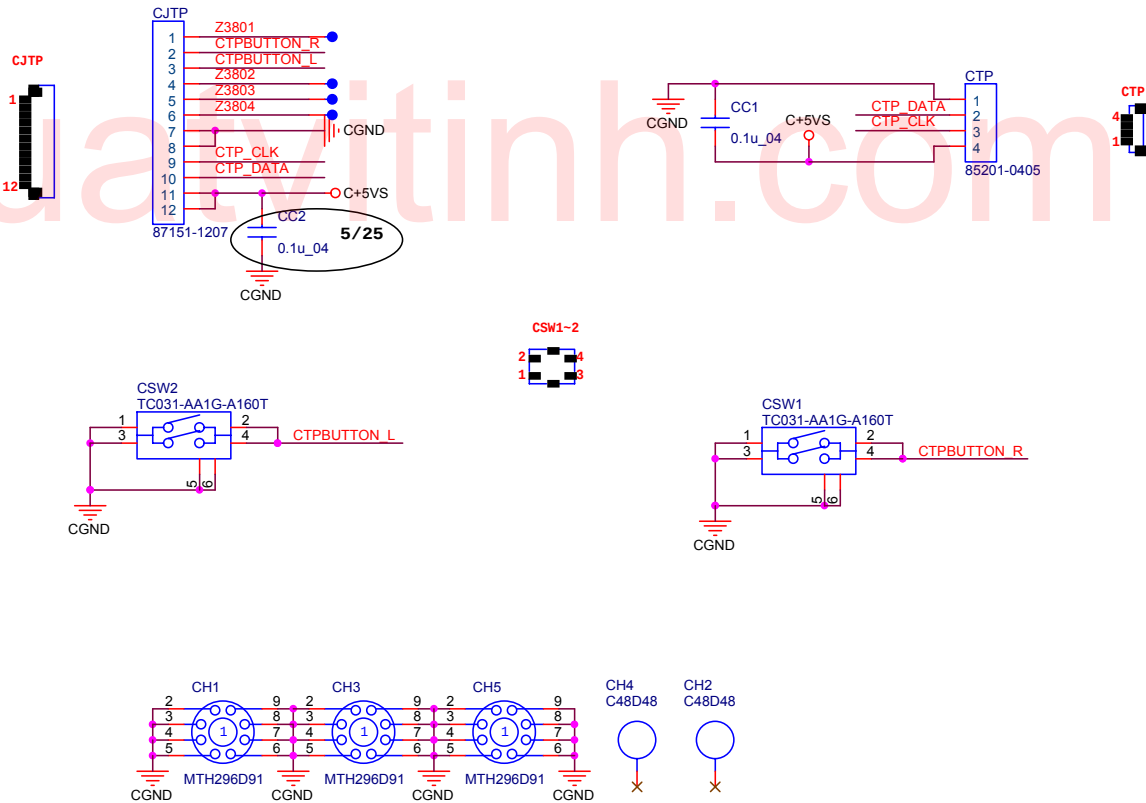
Sheet 36 of 40
LED BOARD



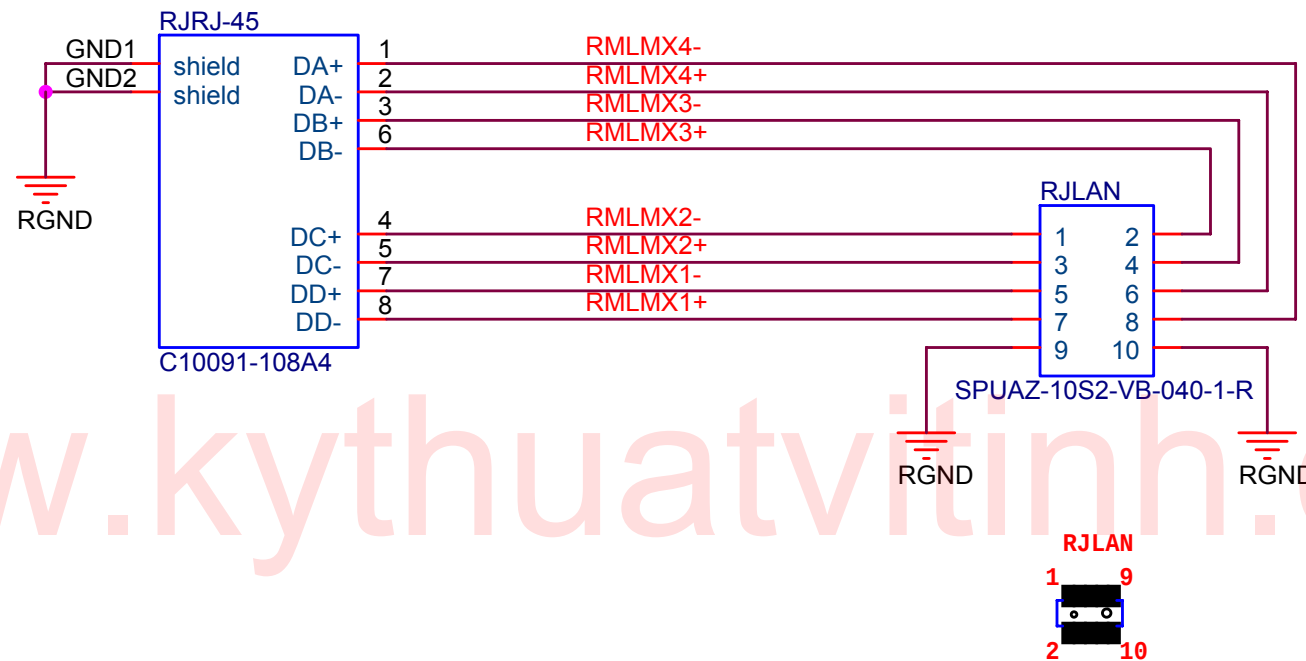
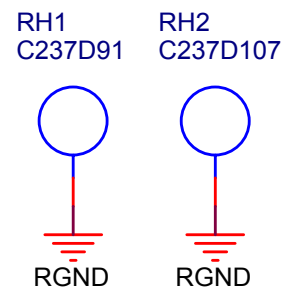
CLICK BOARD
FOR M550G

VENDOR	PART NUMBER
Synaptics	
E-LAN	800409-5102

Sheet 37 of 40
CLICK BOARD



RJ-45 BOARD

Sheet 38 of 40
RJ-45 BOARD

USB DONGLE BOARD

USB DONGLE BOARD

B.Schematic Diagrams

Sheet 39 of 40
USB DONGLE
BOARD

