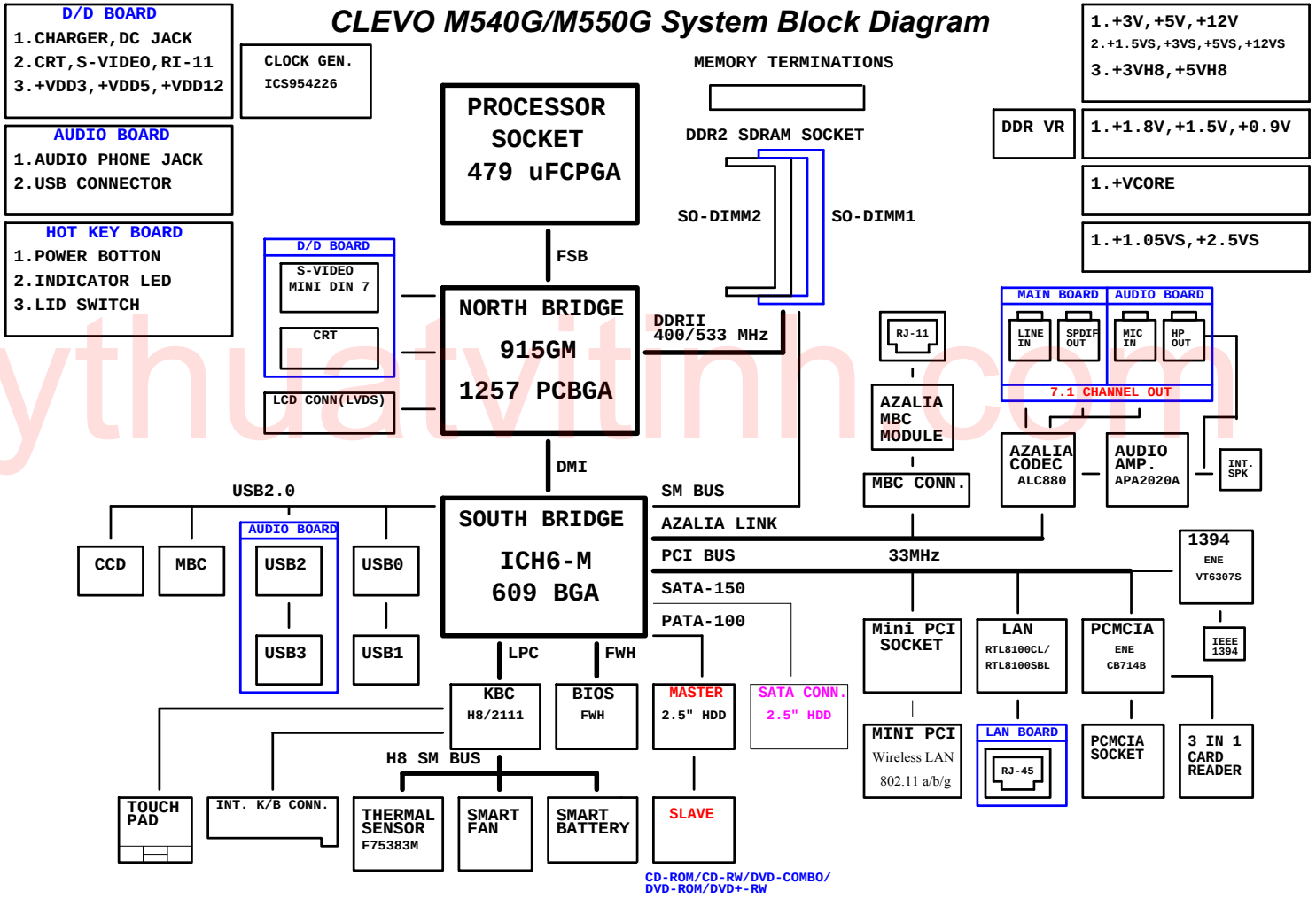
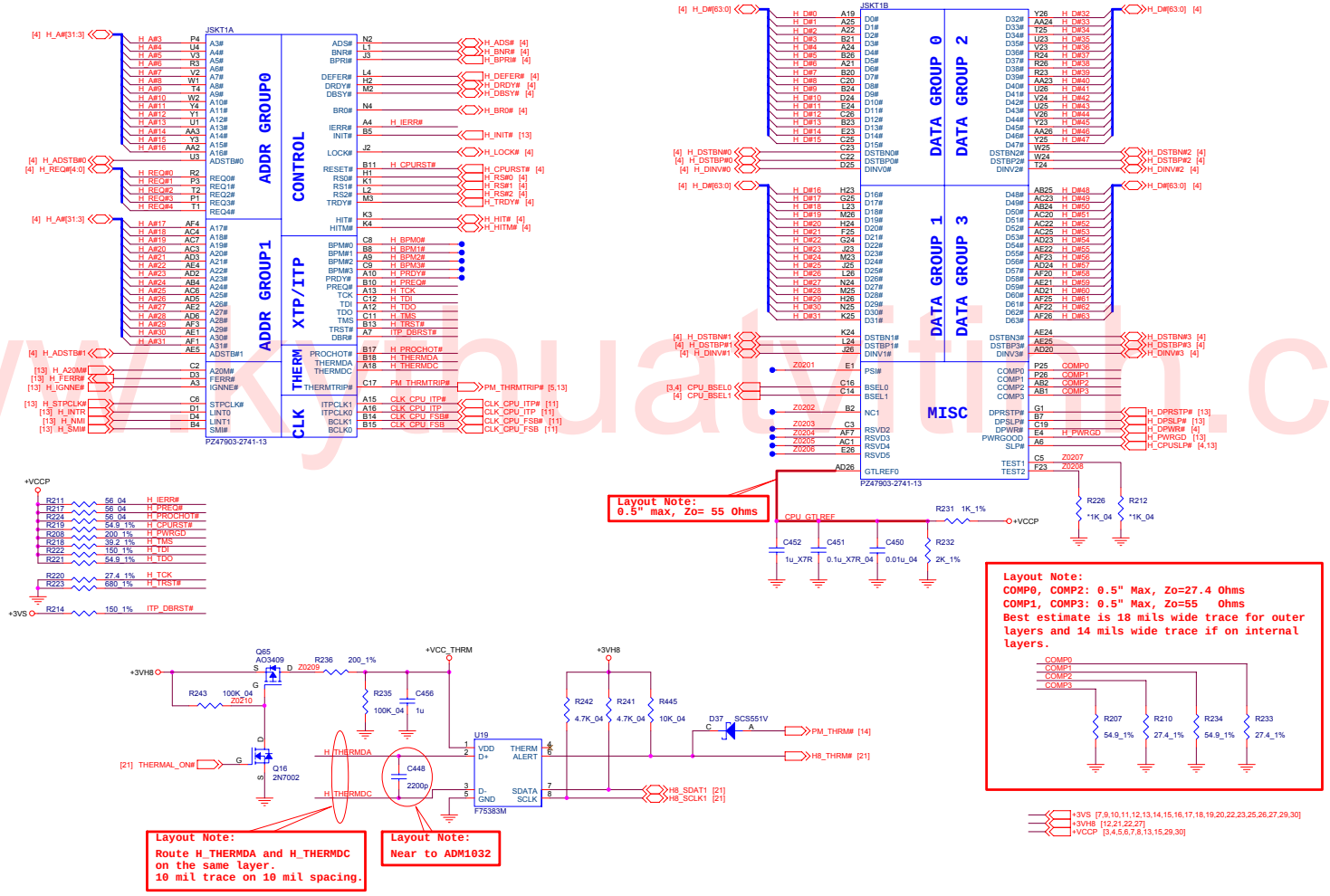
System Block Diagram

Sheet 1 of 40
System Block Diagram



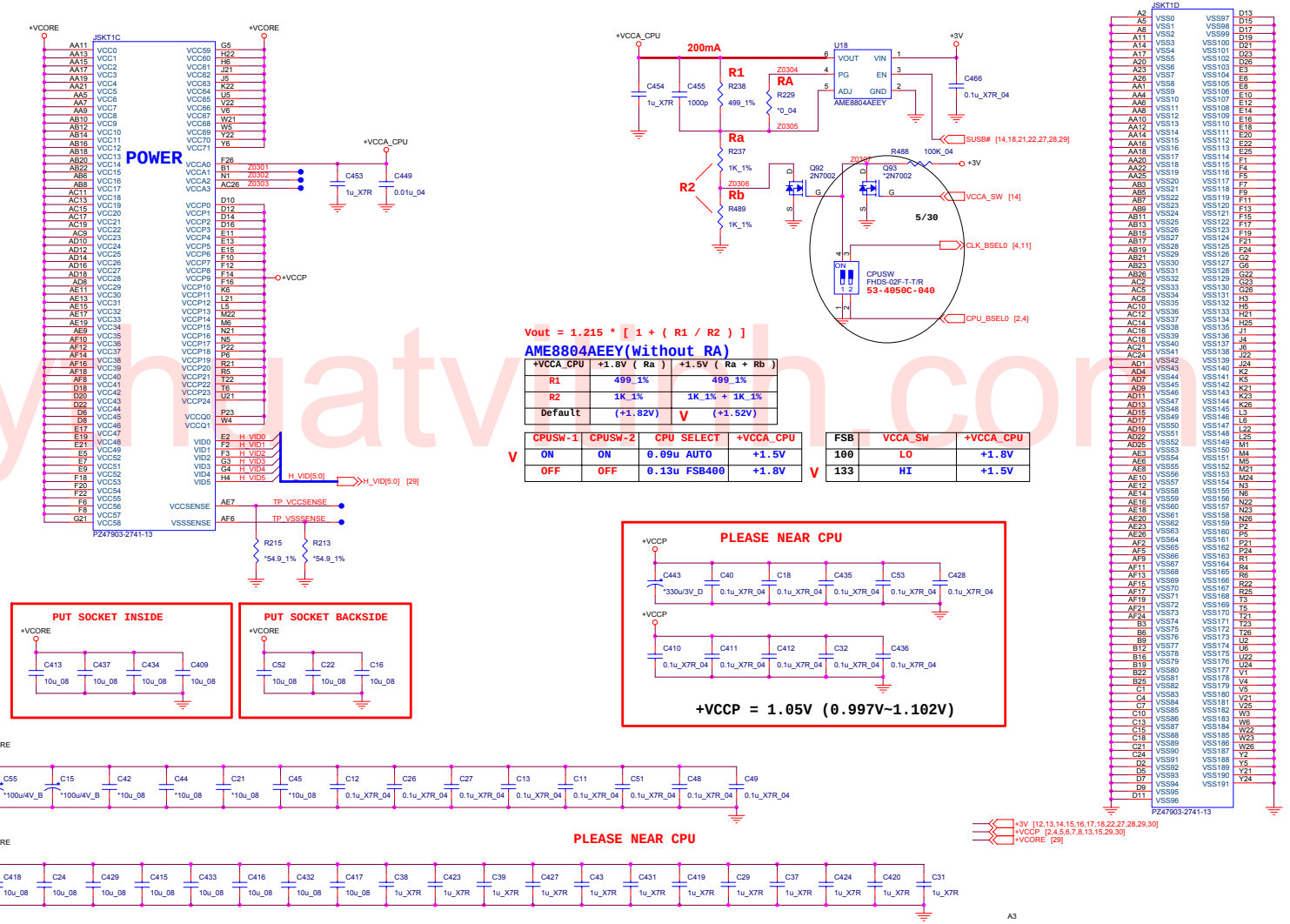
DOTHAN 1/2



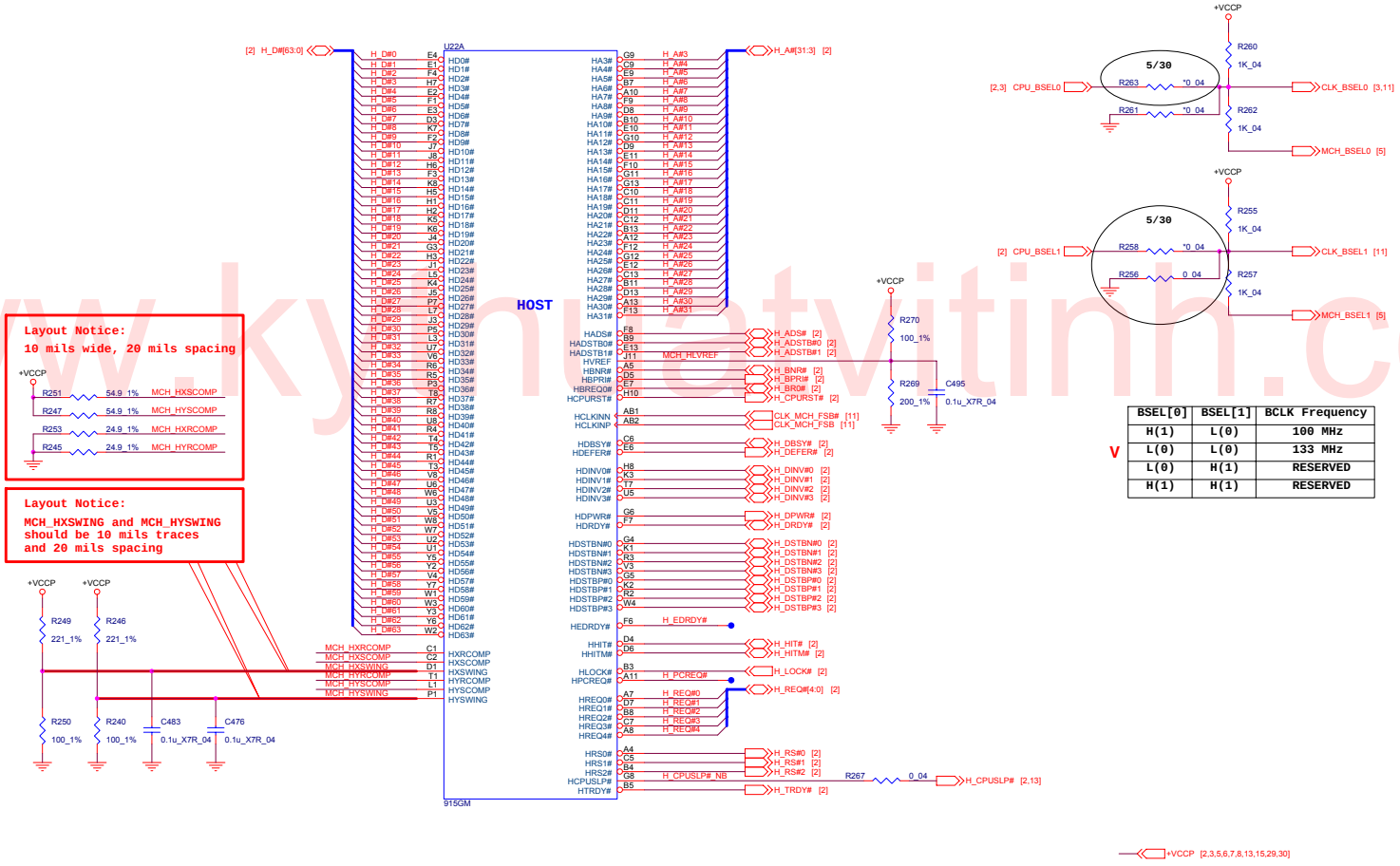
Sheet 2 of 40
DOTHAN 1/2

DOTHAN 2/2

Sheet 3 of 40
DOTHAN 2/2



915GM 1/5

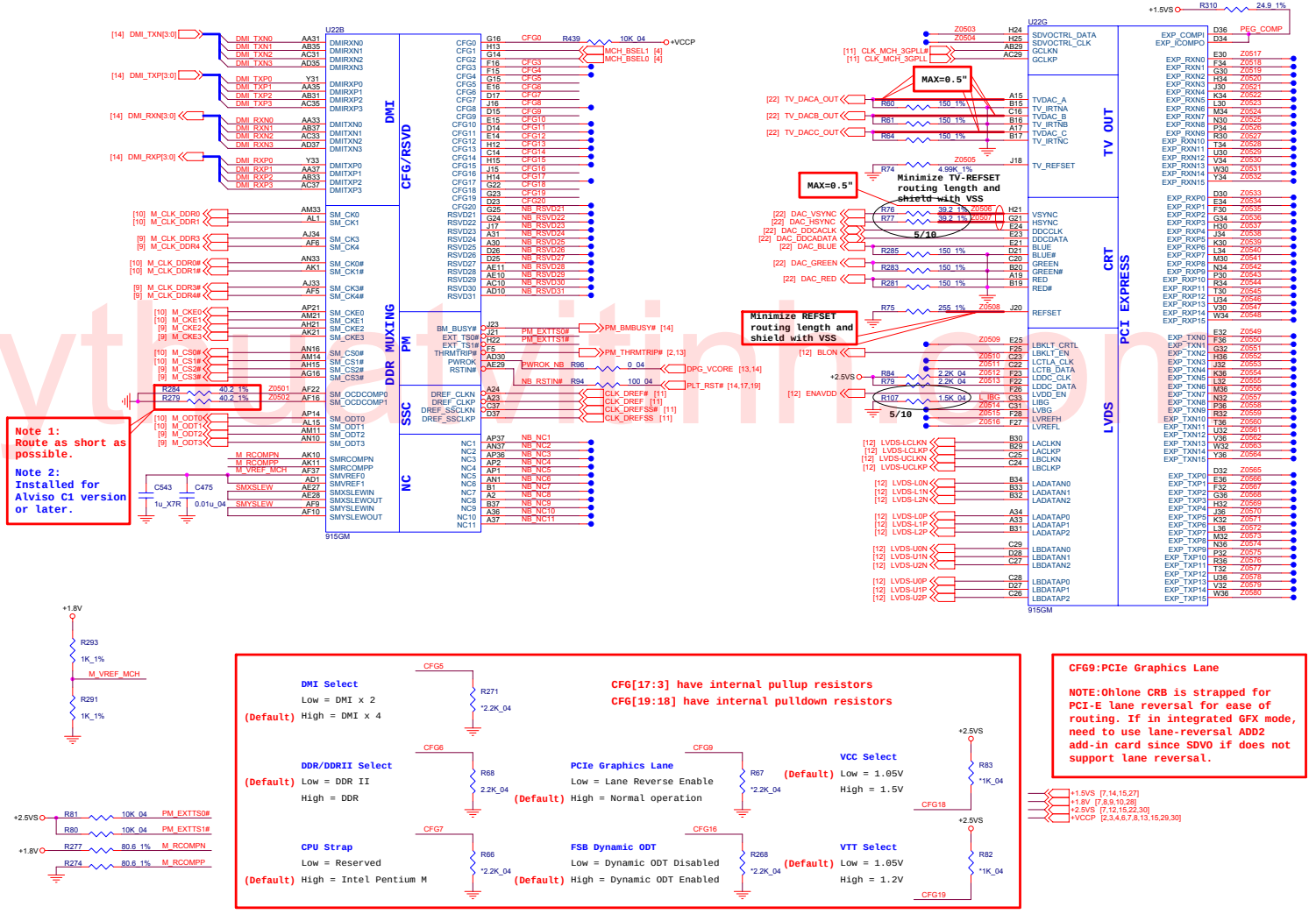


BSEL[0]	BSEL[1]	BCLK Frequency
H(1)	L(0)	100 MHz
L(0)	L(0)	133 MHz
L(0)	H(1)	RESERVED
H(1)	H(1)	RESERVED

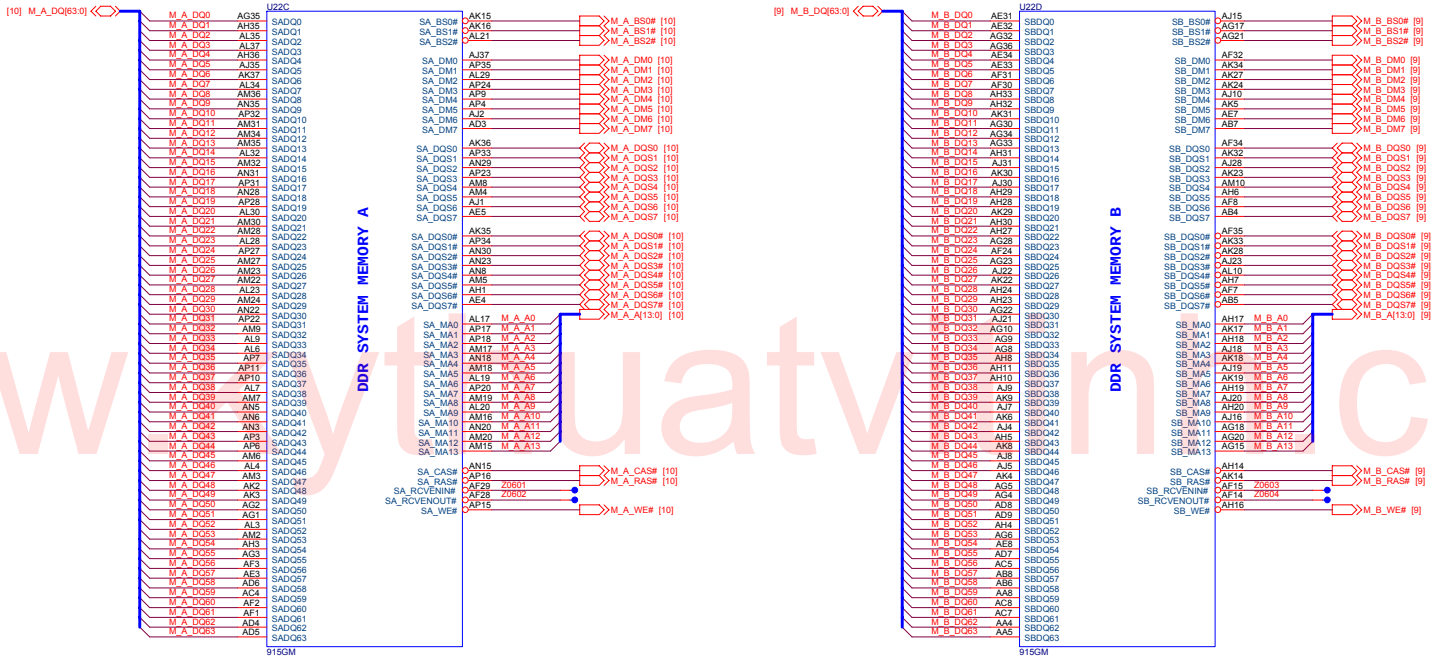
Sheet 4 of 40
915GM 1/5

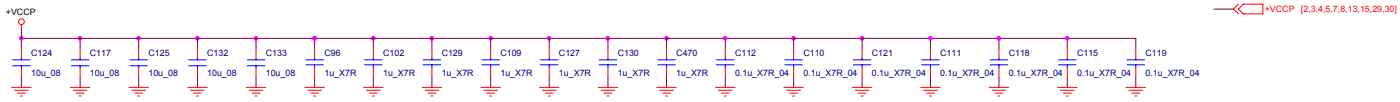
915GM 2/5

Sheet 5 of 40
915GM 2/5



915GM 3/5



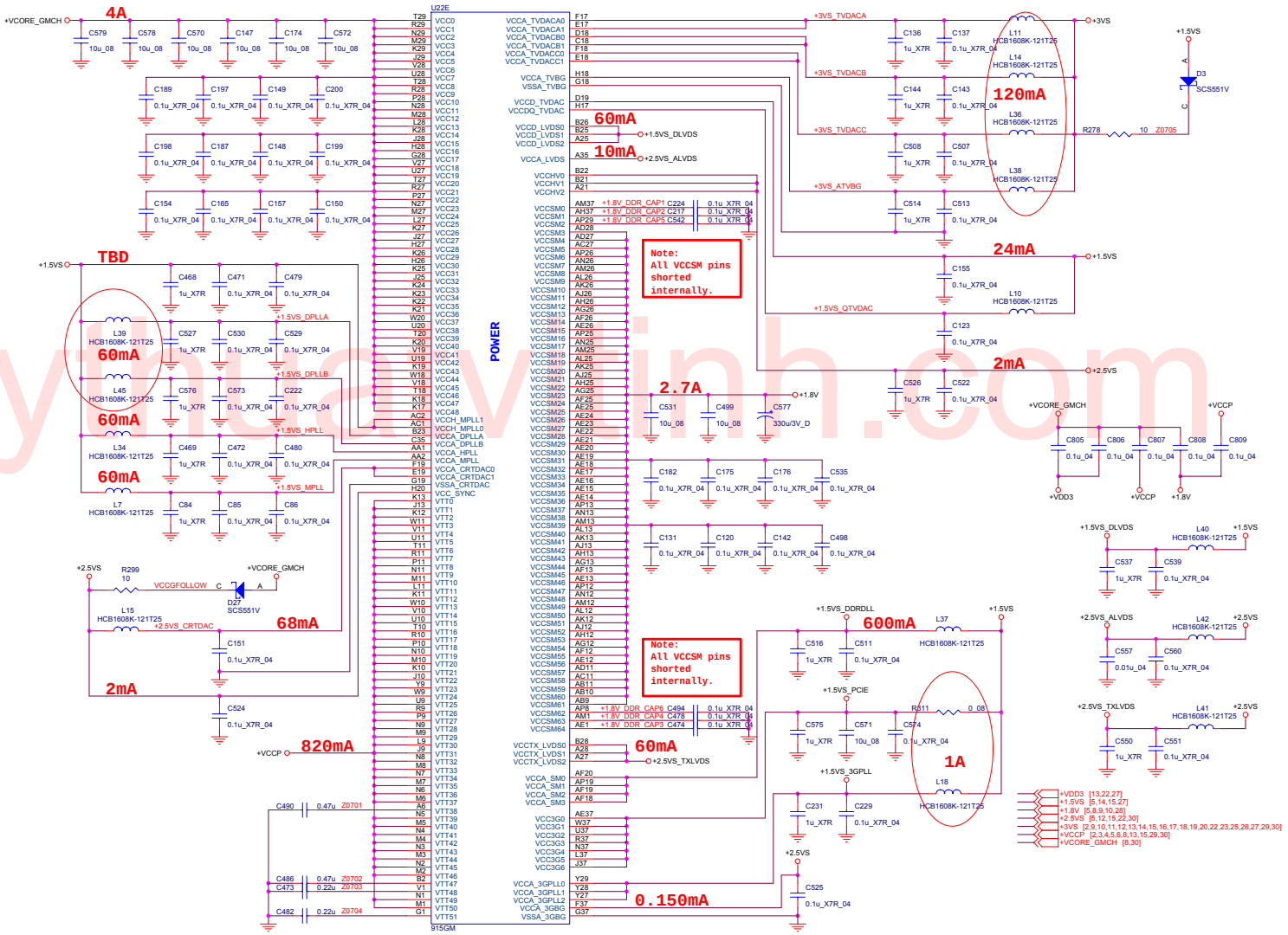


Sheet 6 of 40
915GM 3/5

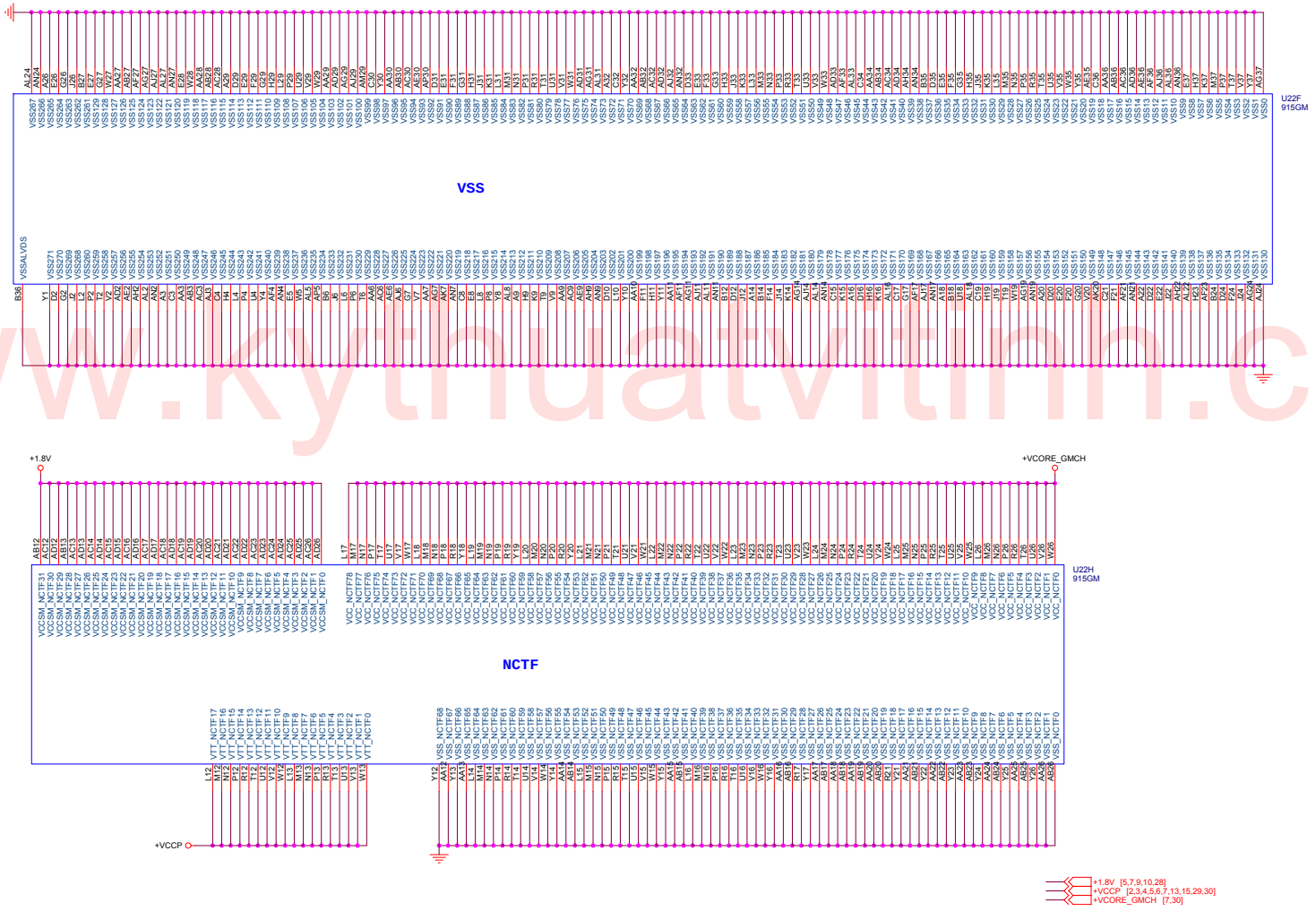
B.Schematic Diagrams

915GM 4/5

Sheet 7 of 40
915GM 4/5



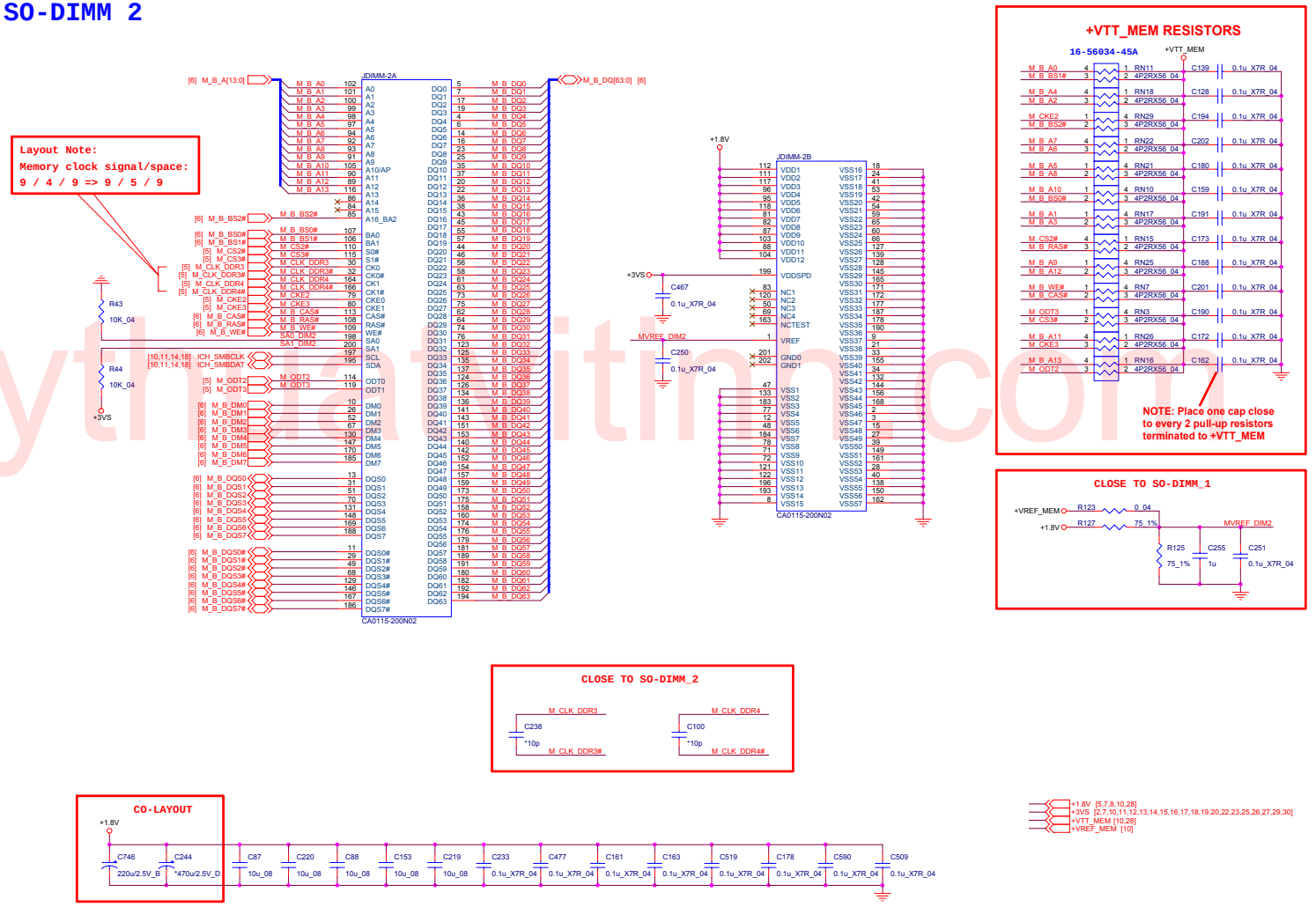
915GM 5/5



Sheet 8 of 40
915GM 5/5

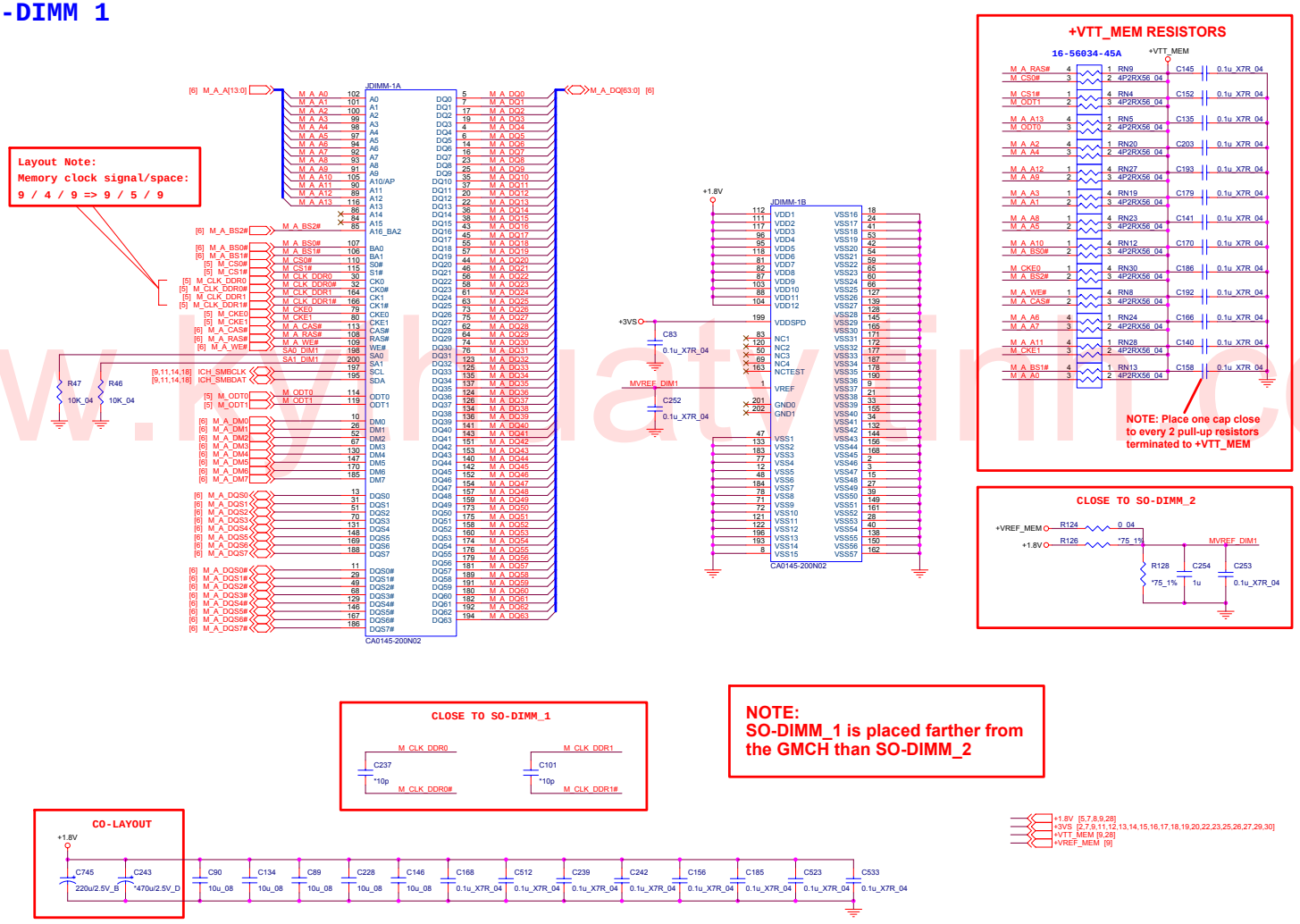
DRII SO-DIMM 2

Sheet 9 of 40
DRII SO-DIMM 2



DDRII SO-DIMM 1

SO-DIMM 1

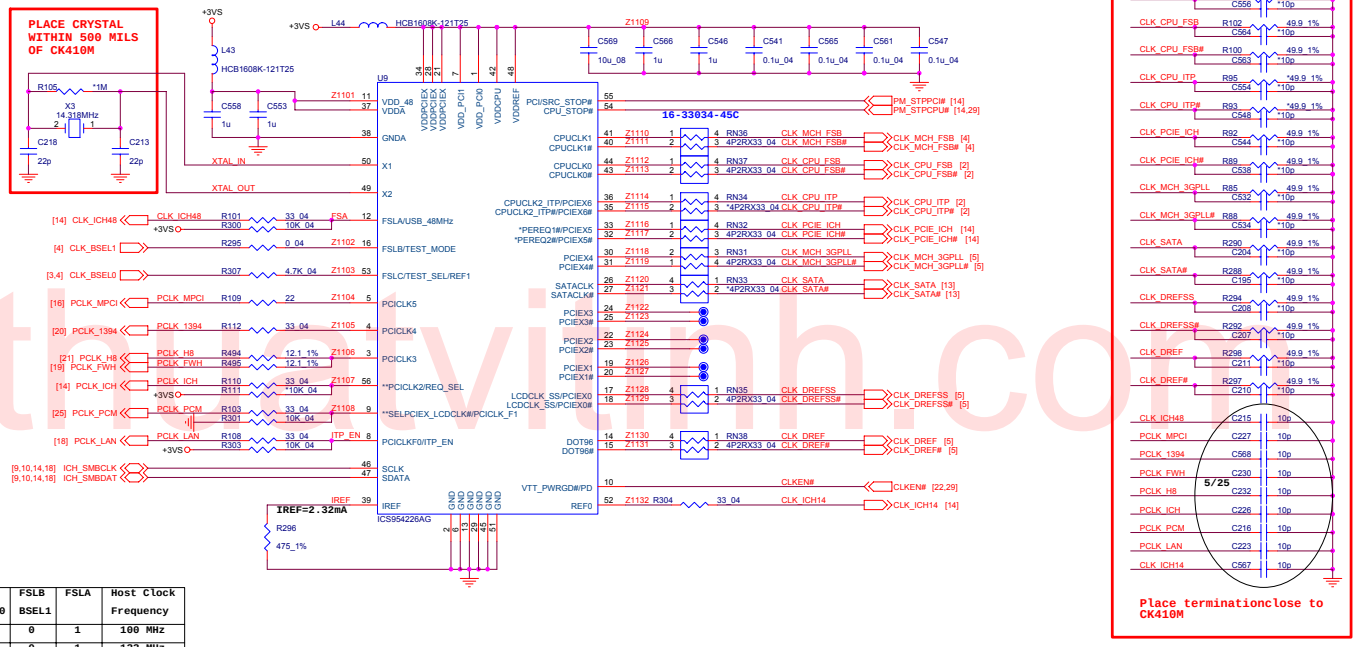


Sheet 10 of 40
DDRII SO-DIMM 1

CLOCK GENERATOR, CCD

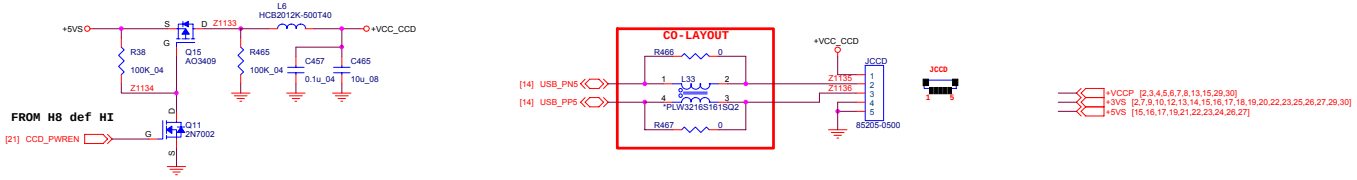
Sheet 11 of 40
CLOCK
GENERATOR, CCD

CLOCK GENERATOR



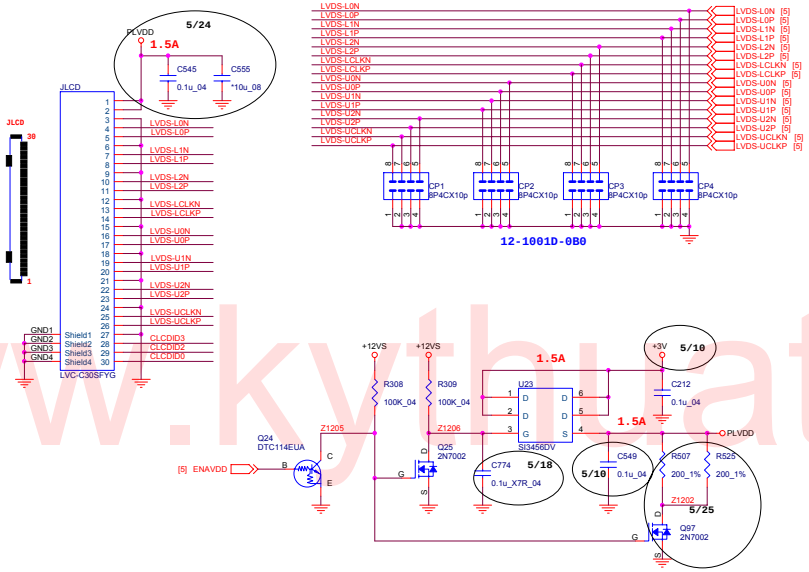
FSLC BSEL0	FSLB BSEL1	FSLA	Host Clock Frequency
1	0	1	100 MHz
0	0	1	133 MHz
1	1	1	200 MHz

CCD

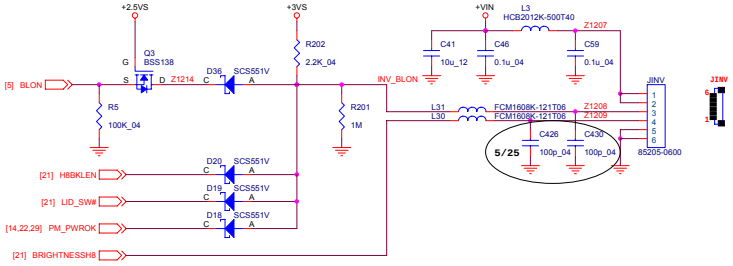


PANEL, INVERTER, FAN

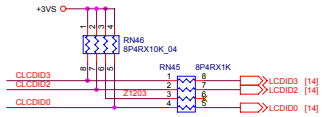
PANEL



INVERTER CONNECTOR



PANEL ID SELECTOR

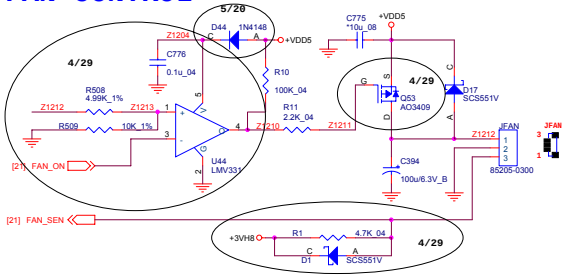


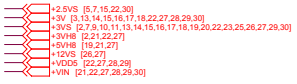
PANEL ID Select

TYPE	PANEL MODEL	JLCD-30(GPIO24)	JLCD-29(GPIO27)	JLCD-28(GPIO28)
15" XGA	AU B150XG01	0 (GND)	0 (GND)	0 (GND)
15" XGA	CPT CLAA150XH01	0 (GND)	0 (GND)	0 (GND)
15" SXGA+	AU B150PG03	1 (NC)	0 (GND)	0 (GND)
15" SXGA+	CPT CLAA150PB03	1 (NC)	0 (GND)	0 (GND)
14" WXGA	Hydis HT140WX1-100	0 (GND)	1 (NC)	0 (GND)
14" WXGA	AU B140EW01	0 (GND)	1 (NC)	0 (GND)
14" WXGA	SAMSUNG LTN140W1-L01	0 (GND)	1 (NC)	0 (GND)

Coaxial Cable

FAN CONTROL

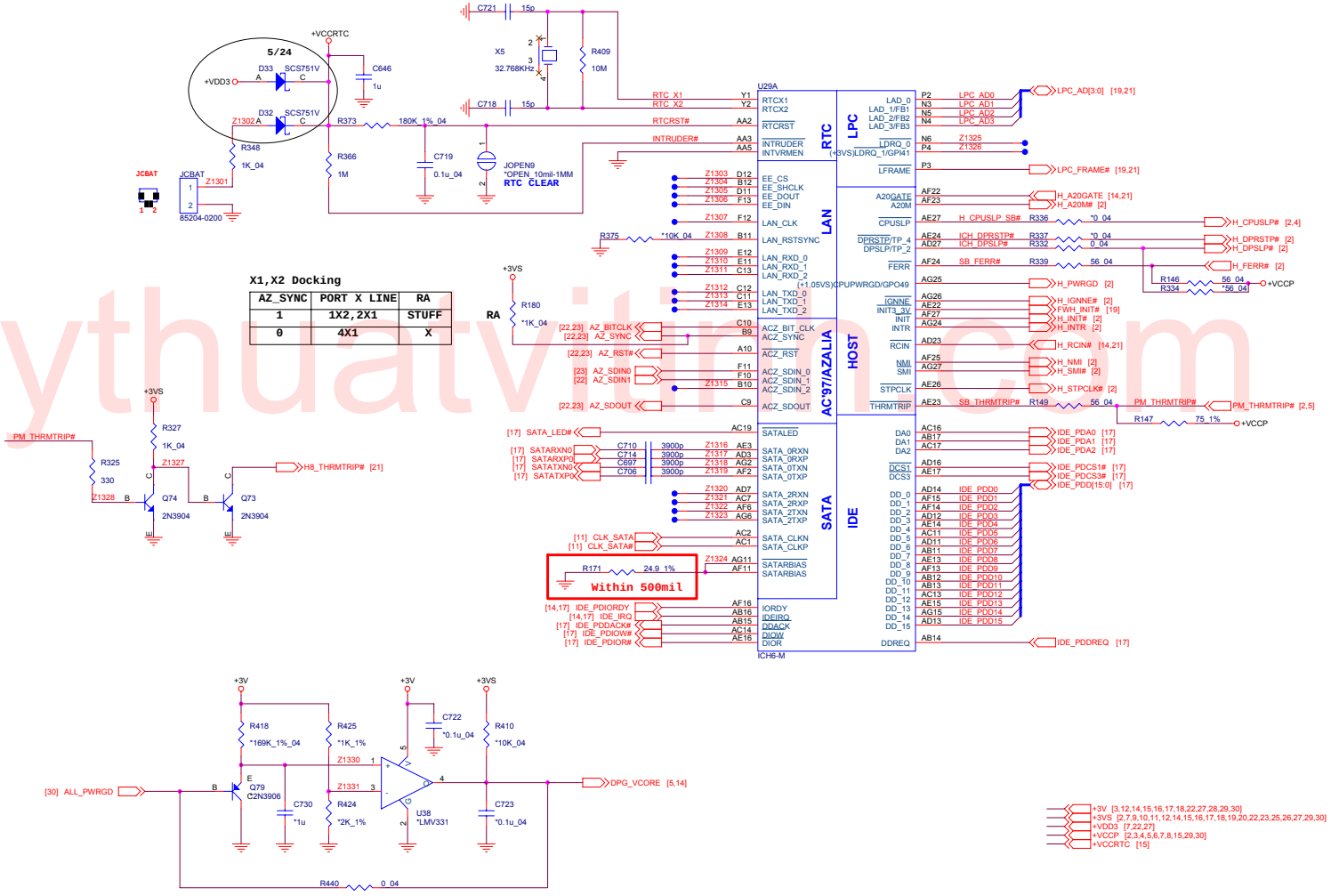




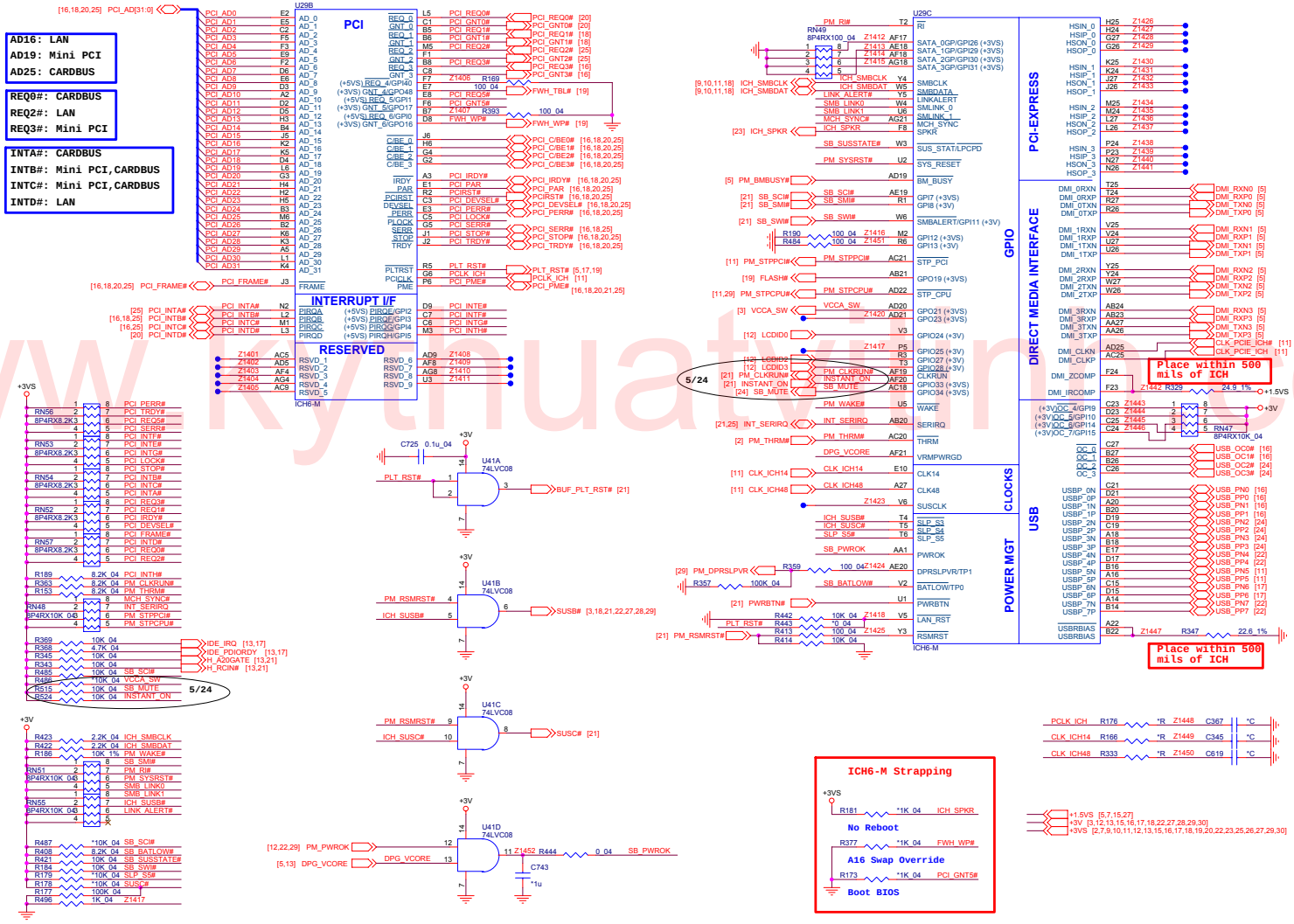
Sheet 12 of 40
PANEL, INVERTER, FAN

ICH6-M 1/3

Sheet 13 of 40
ICH6-M 1/3



ICH6-M 2/3

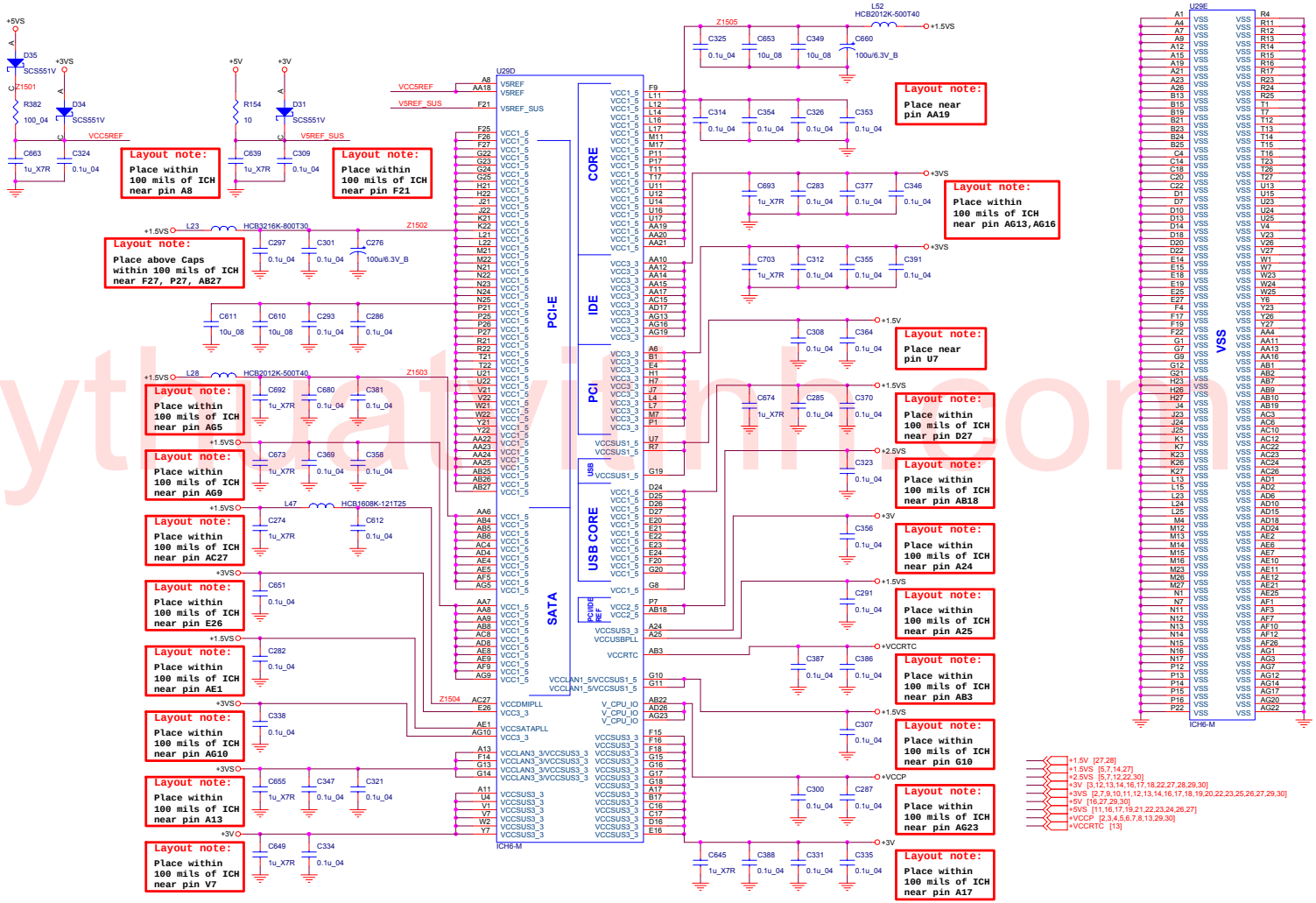


Sheet 14 of 40
ICH6-M 2/3

B.Schematic Diagrams

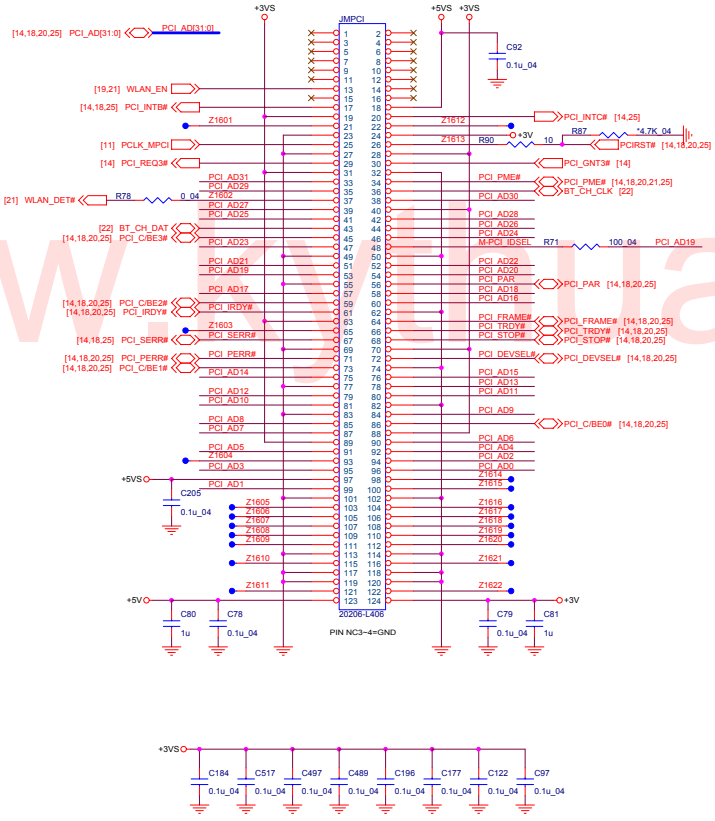
ICH6-M 3/3

Sheet 15 of 40
ICH6-M 3/3

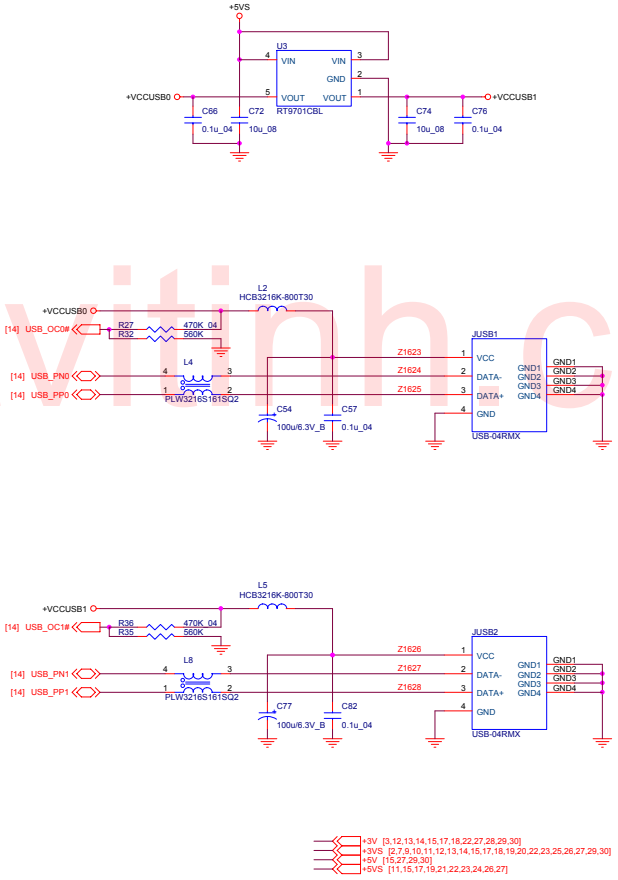


MINI PCI, USB2.0* 2

MINI PCI



USB 2.0

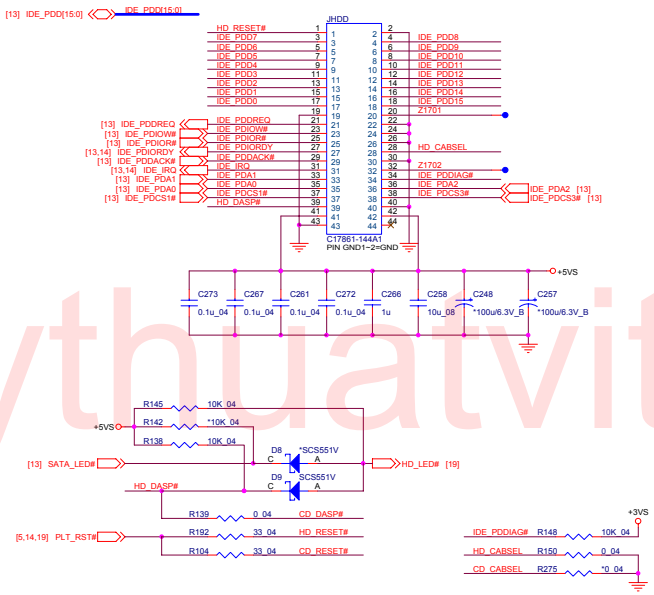


Sheet 16 of 40
MINI PCI, USB2.0* 2

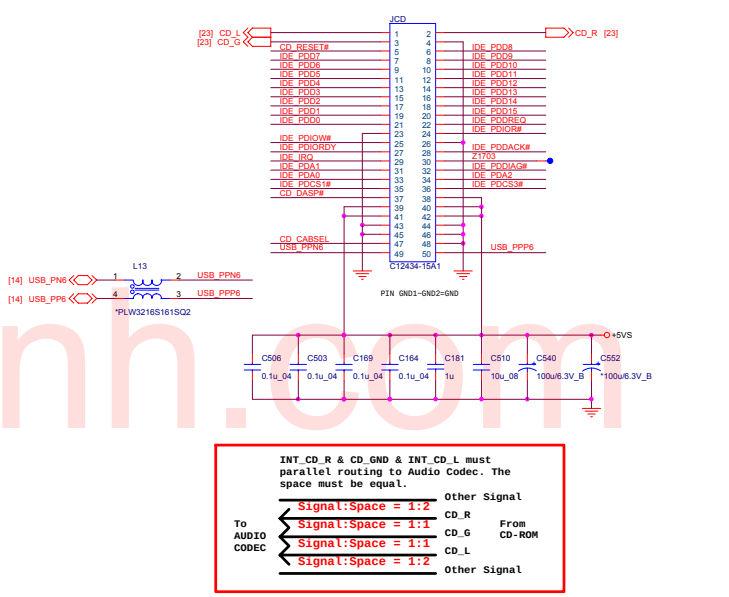
HDD, CD-ROM, SATA COM

Sheet 17 of 40
HDD, CD-ROM,
SATA COM

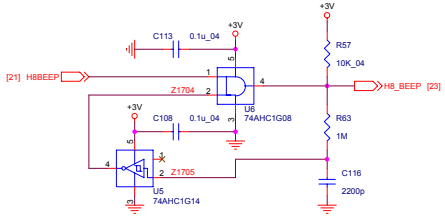
HDD



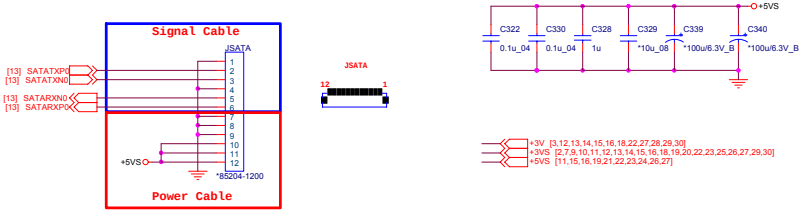
CD-ROM



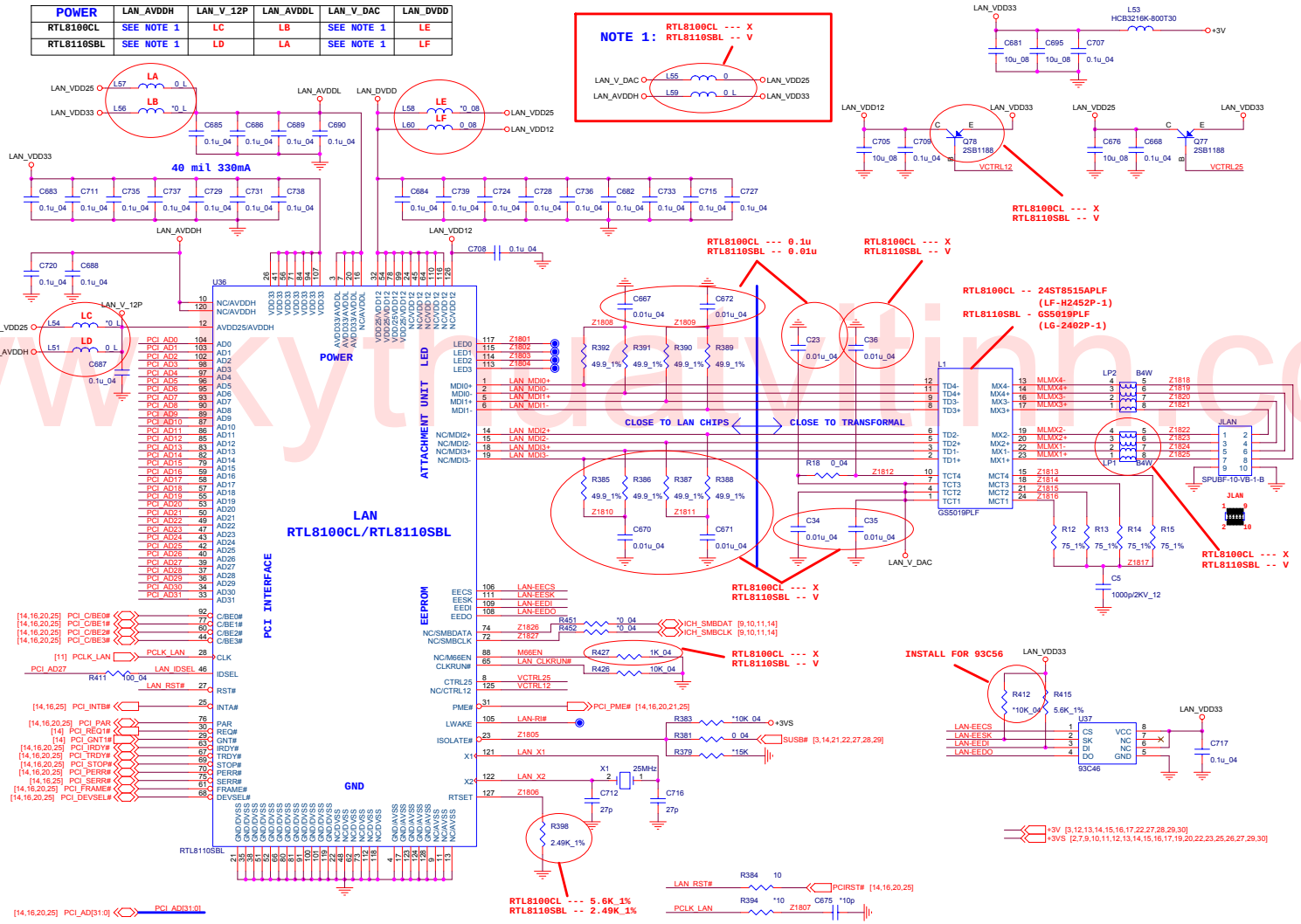
PC BEEP



SATA HDD



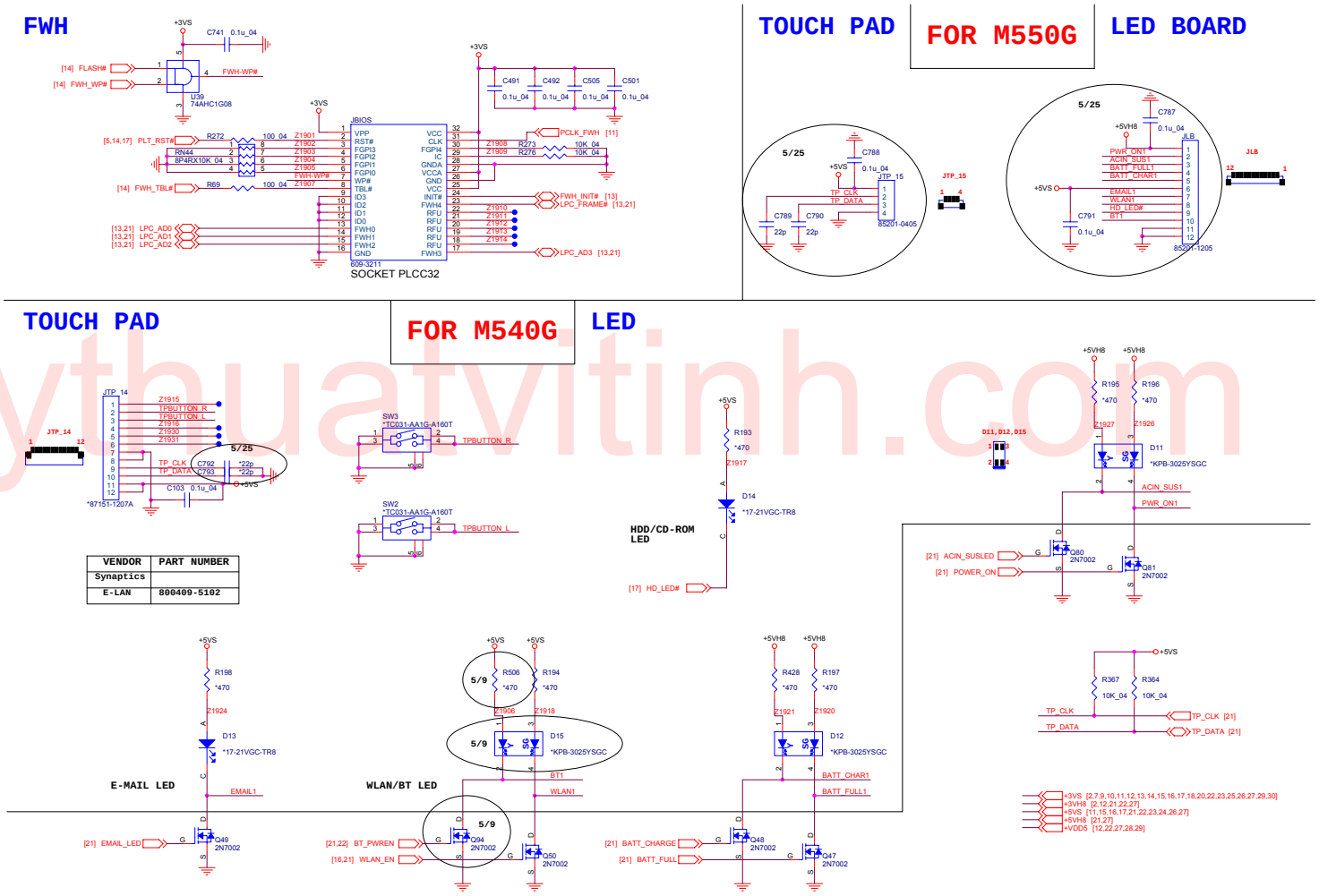
LAN RTL8110SBL/RTL8100CL



Sheet 18 of 40
LAN RTL8110SBL/
RTL8100CL

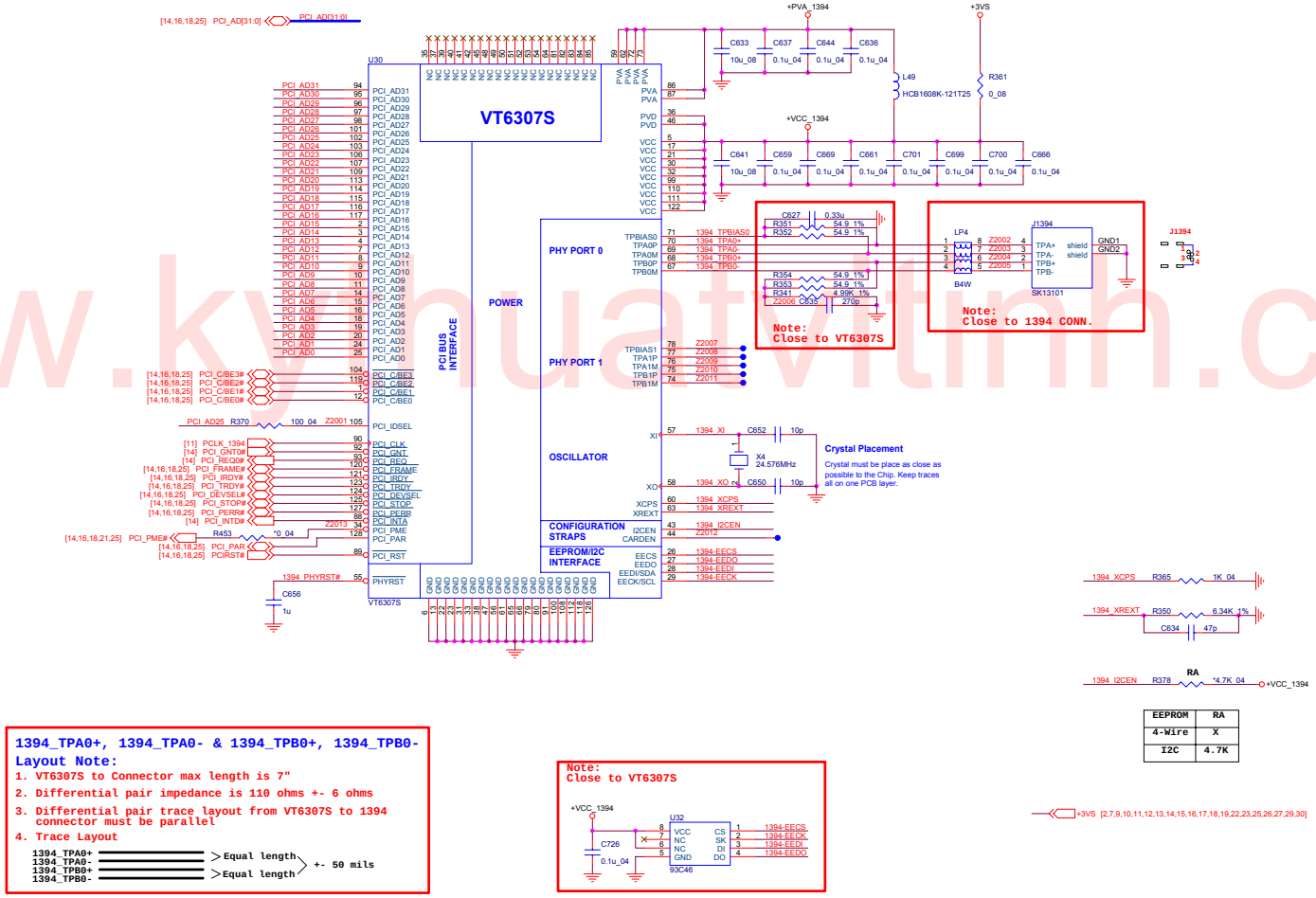
FWH, TOUCH PAD, LED

Sheet 19 of 40
FWH, TOUCH PAD, LED



IEEE 1394 VT6307S

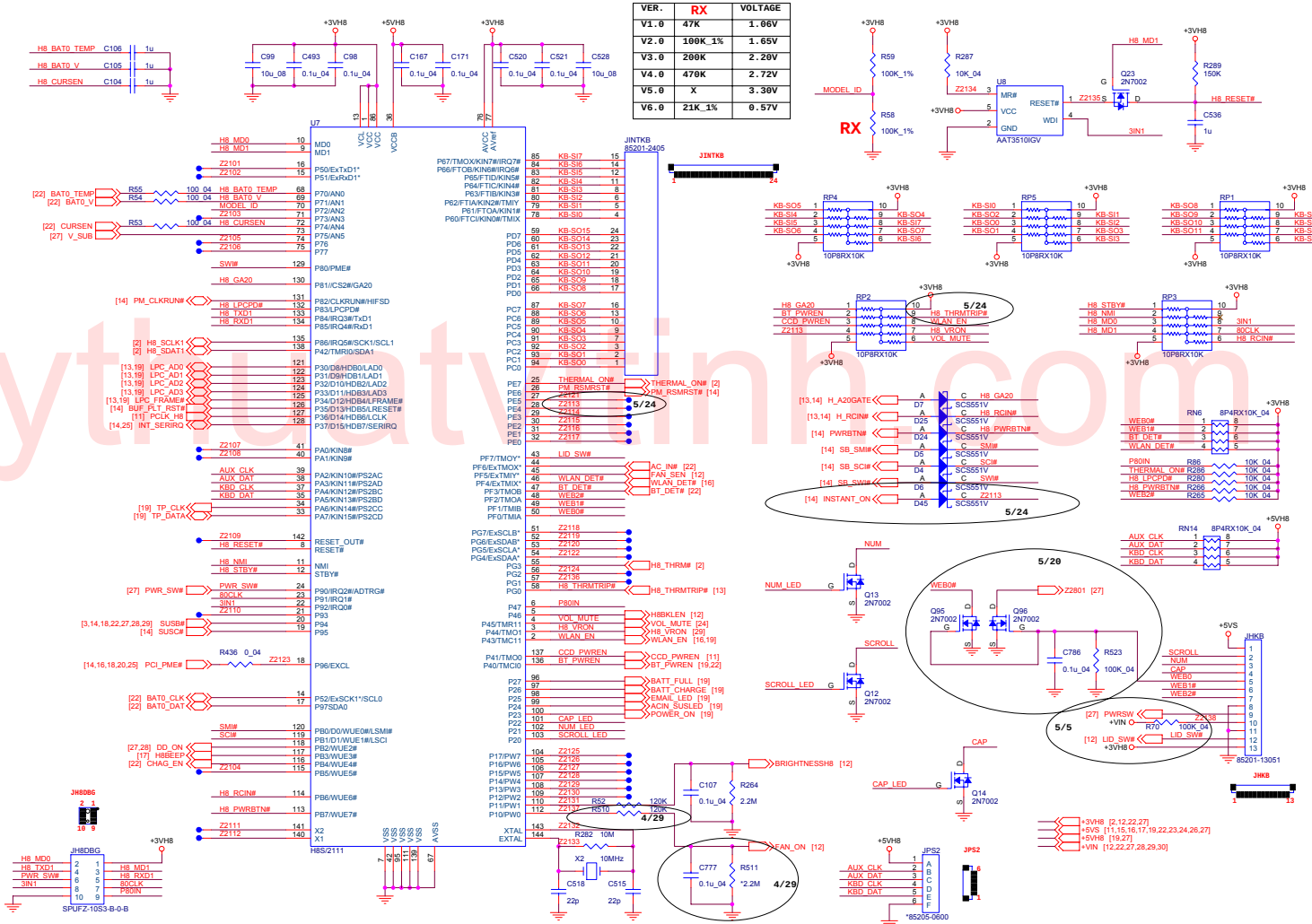
IEEE1394



Sheet 20 of 40
IEEE 1394 VT6307S

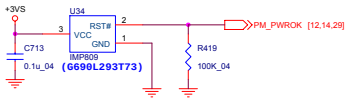
H8/2111

Sheet 21 of 40
H8/2111

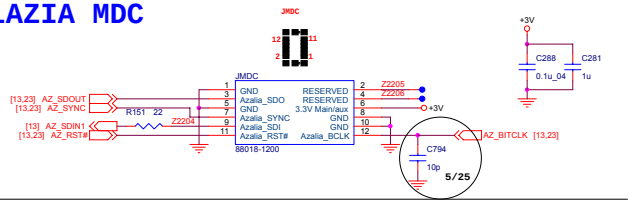


MDC, USB BT, PWRGD, DDB CON

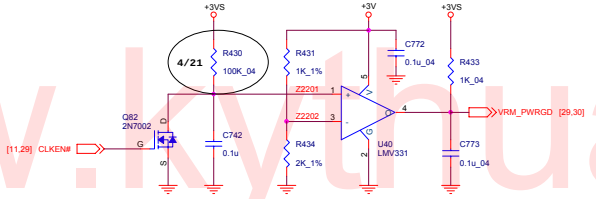
POWER OK



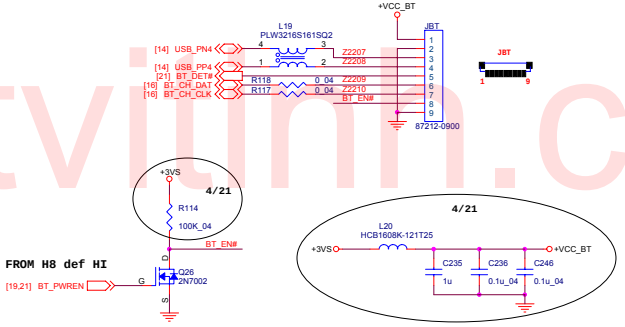
ALAZIA MDC



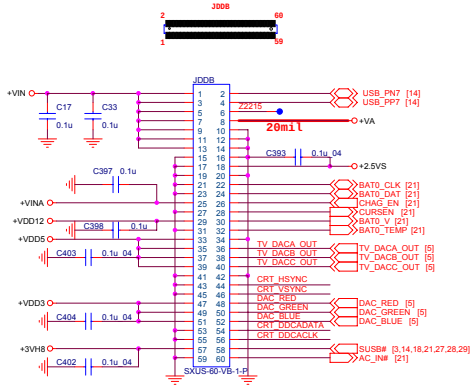
VCORE PWRGD

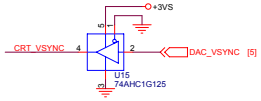


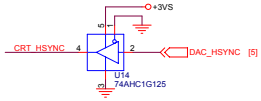
USB BLUETOOTH

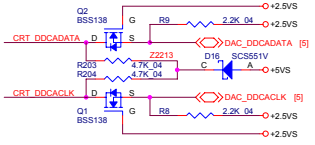


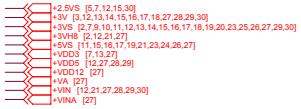
TO MULTI-FUNCTION BOARD









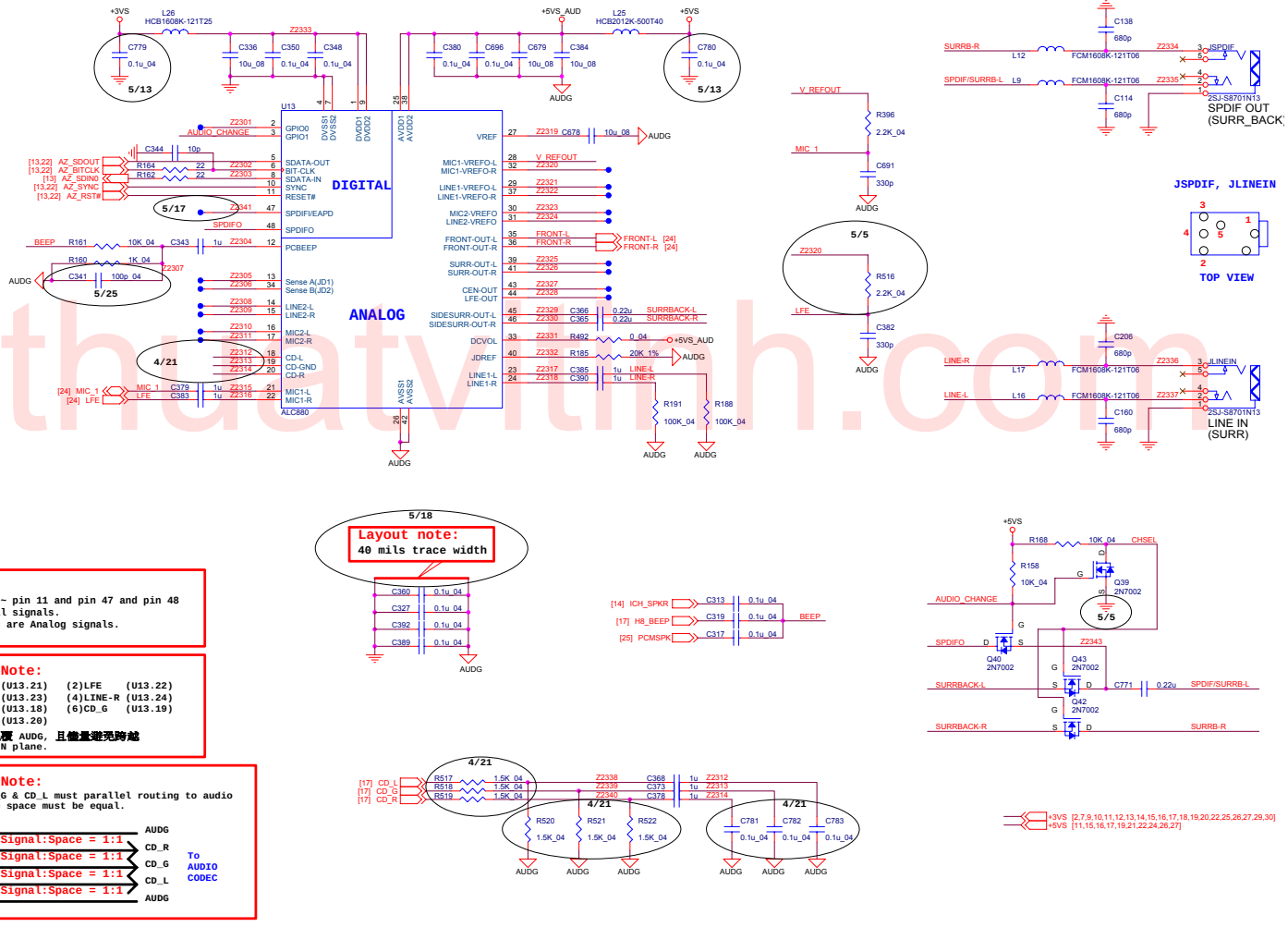


Sheet 22 of 40
MDC, USB BT,
PWRGD, DDB CON

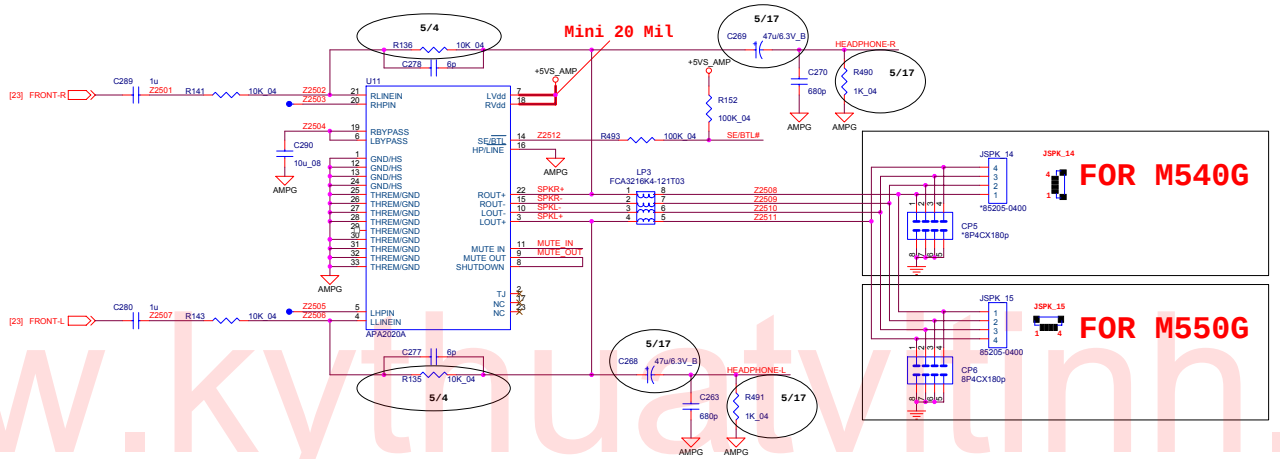
B.Schematic Diagrams

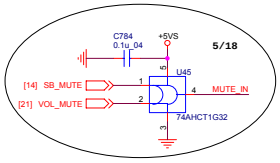
AZALIA CODEC ALC880

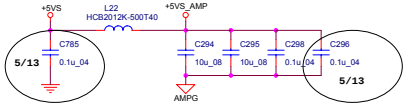
Sheet 23 of 40
AZALIA CODEC
ALC880

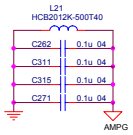


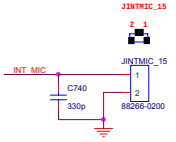
AUDIO AMP, USB2.0* 2

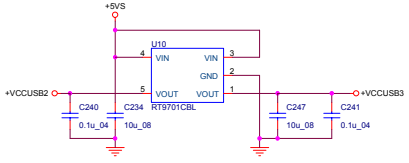


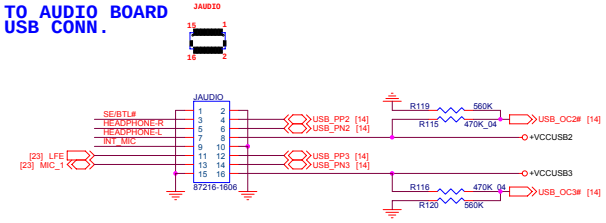








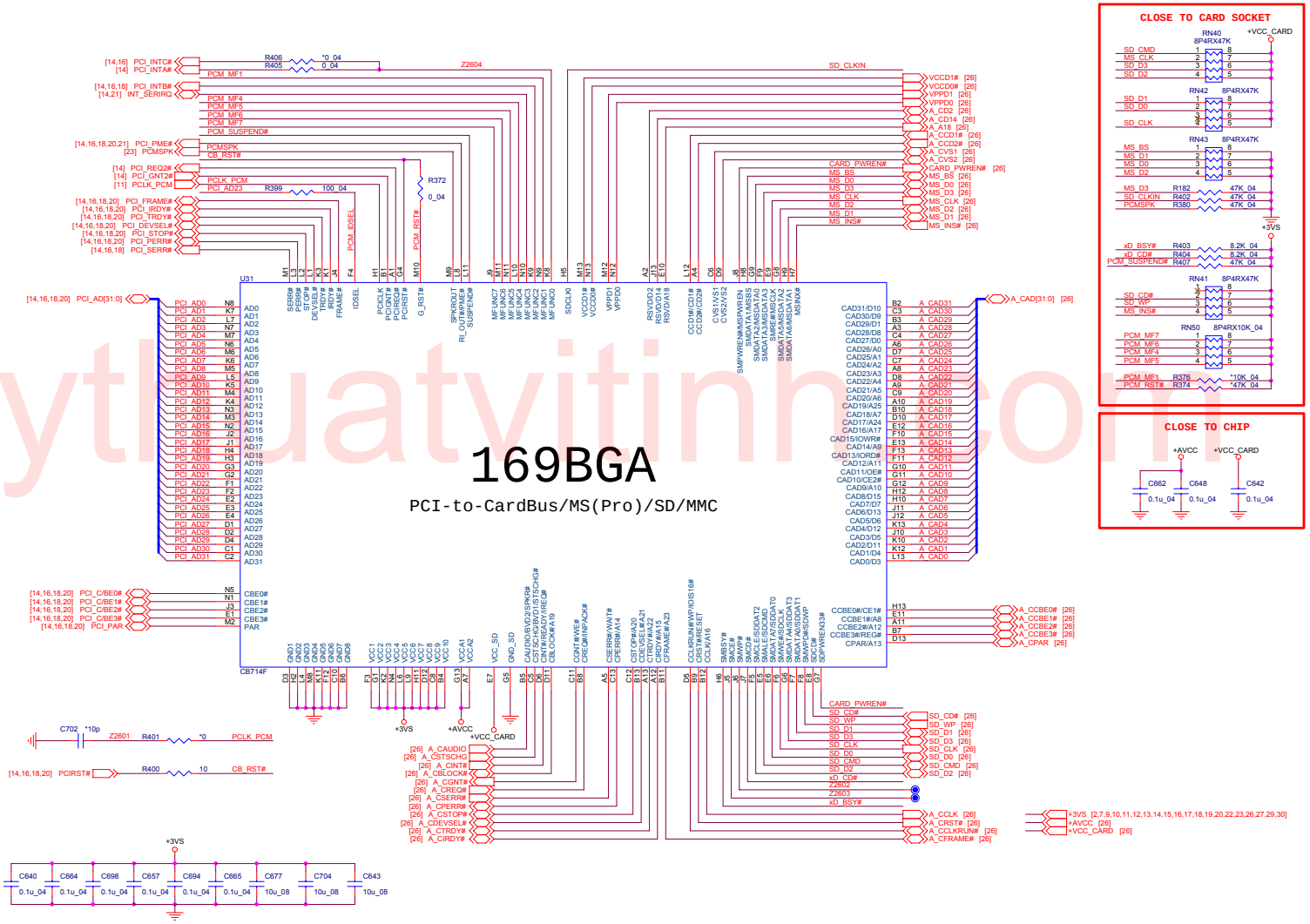




Sheet 24 of 40
AUDIO AMP, USB*
2

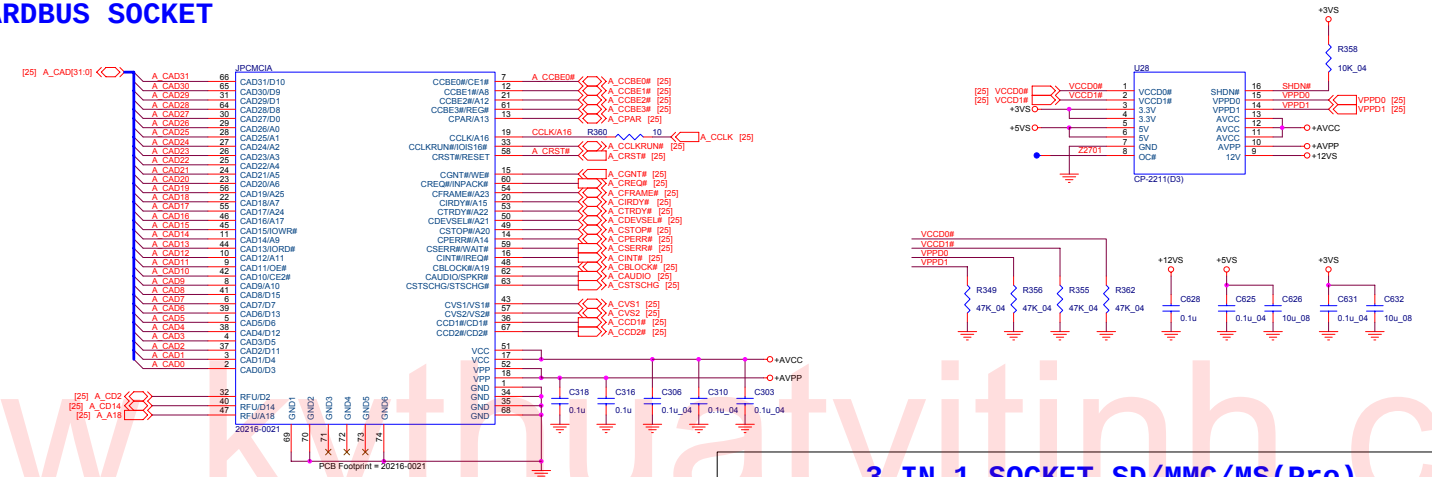
PCMCIA ENE CB714B

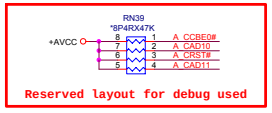
Sheet 25 of 40
PCMCIA ENE
CB714B

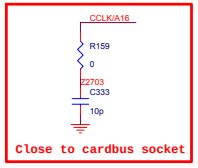


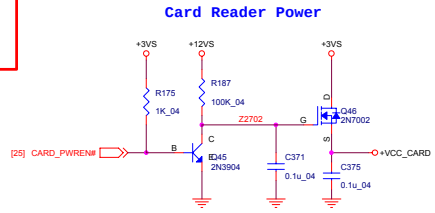
PCM SOCKET, 3 IN 1 SOCKET

CARDBUS SOCKET

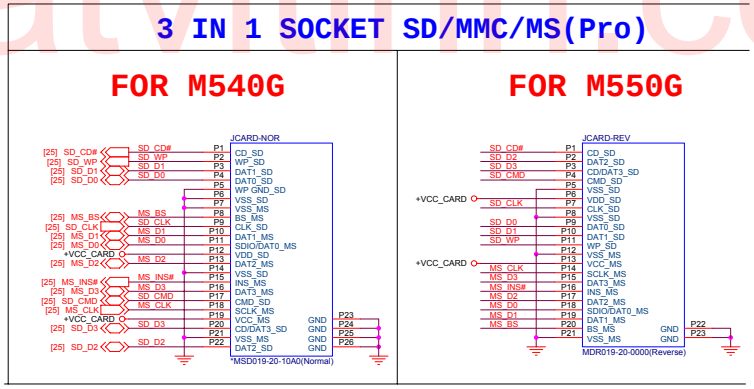


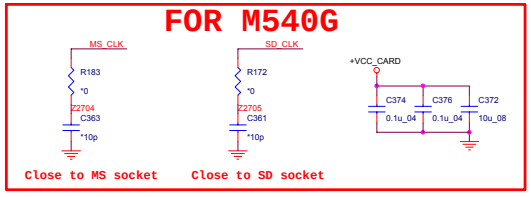


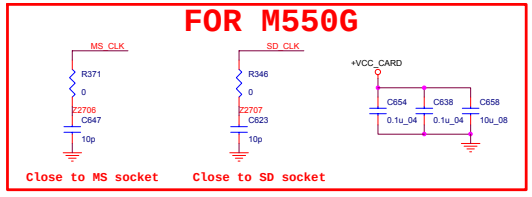


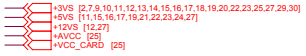


3 IN 1 SOCKET SD/MMC/MS(Pro)







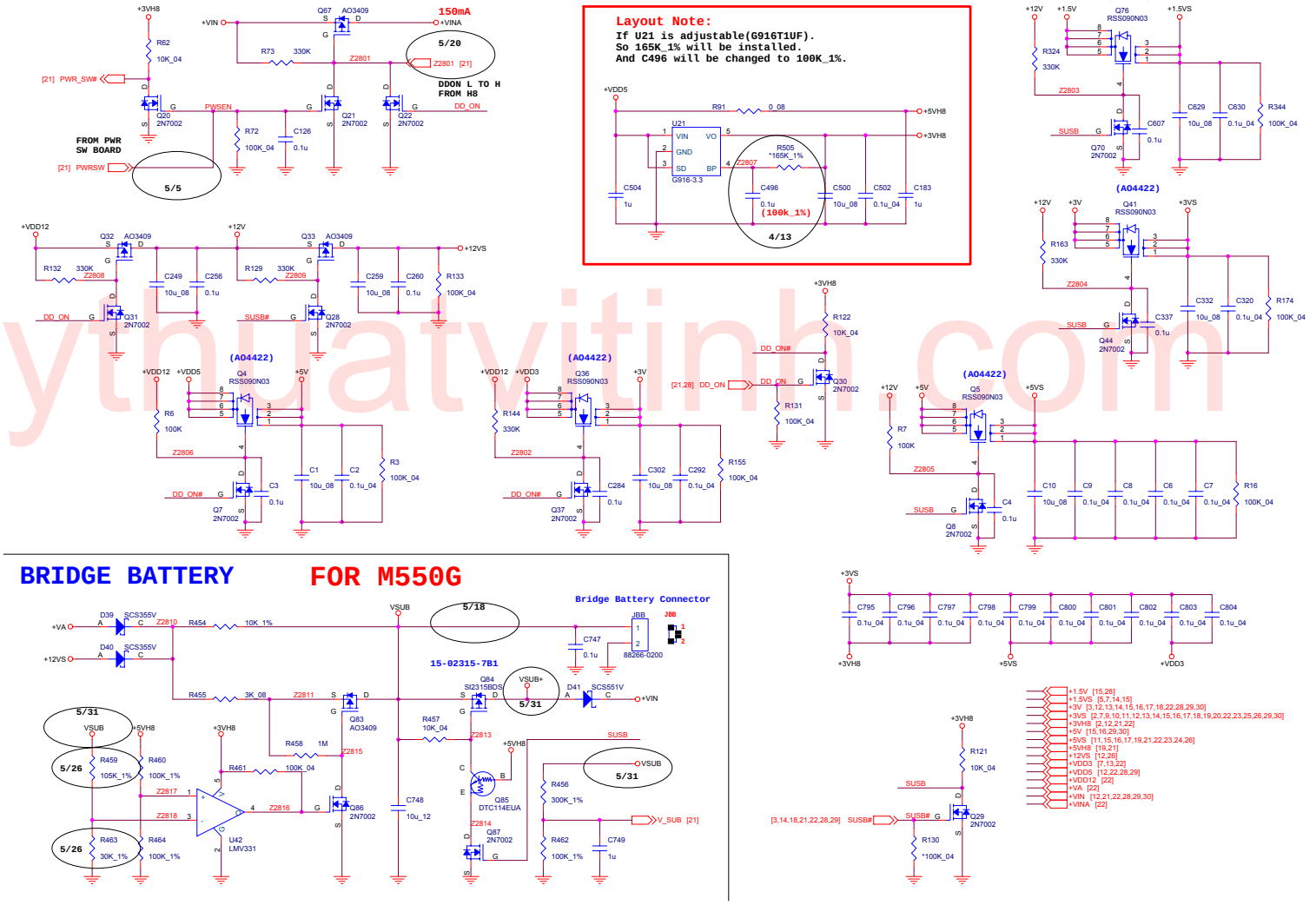


Sheet 26 of 40
PCM SOCKET, 3 IN 1 SOCKET

B.Schematic Diagrams

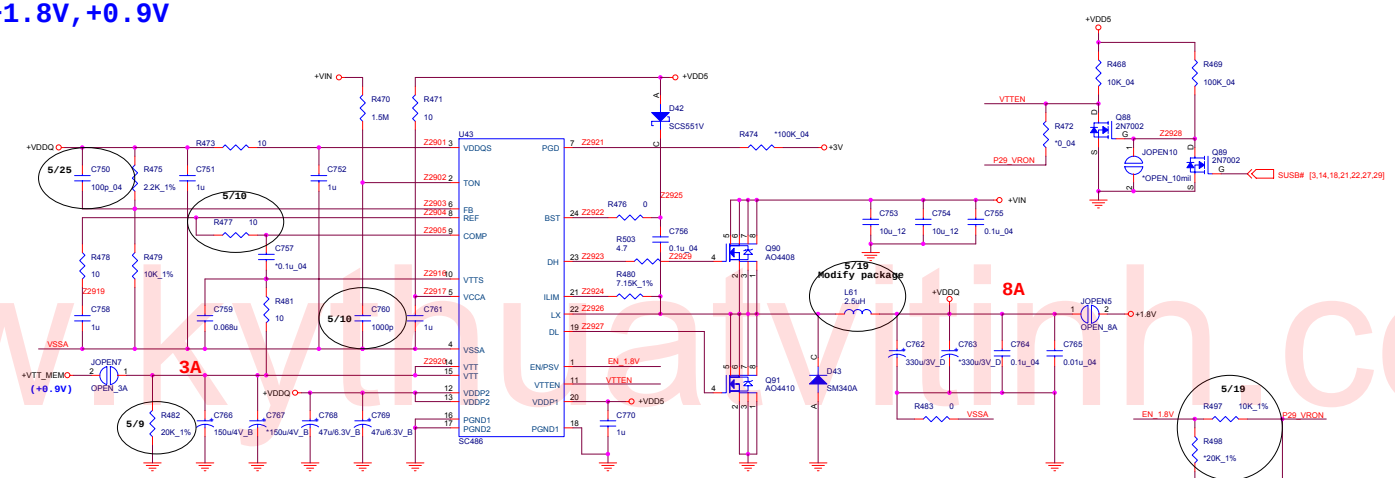
SYSYEM POWER, BRIDGE BATT

Sheet 27 of 40
SYSTEM POWER, BRIDGE BATT

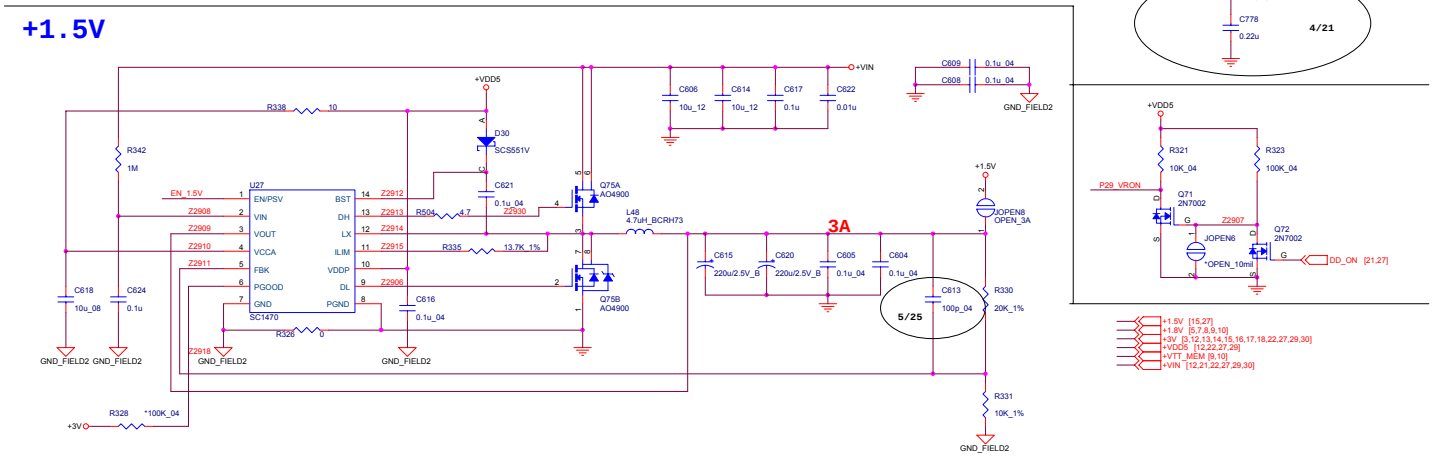


+1.8V,+1.5,+VTT MEM

+1.8V,+0.9V



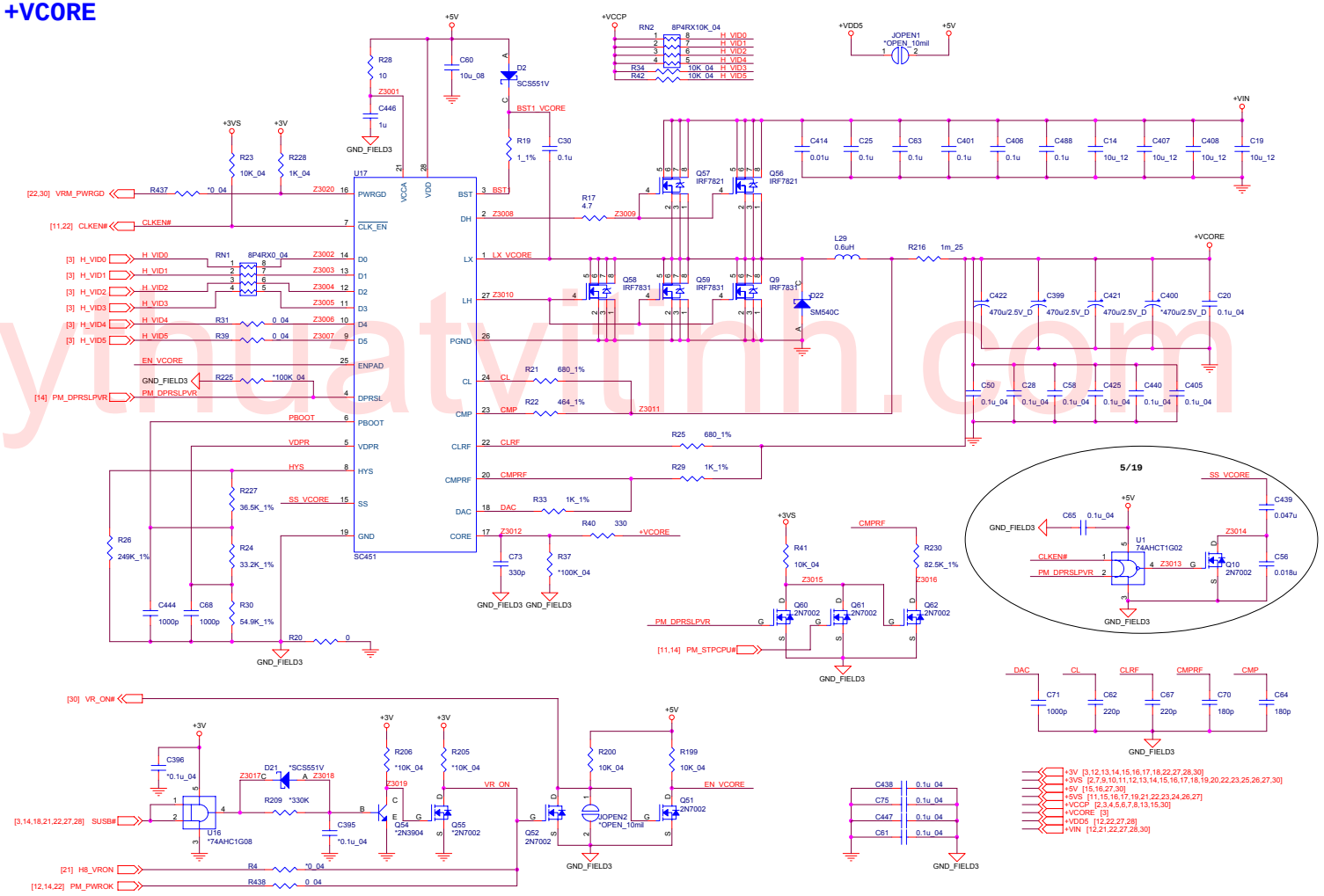
+1.5V



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

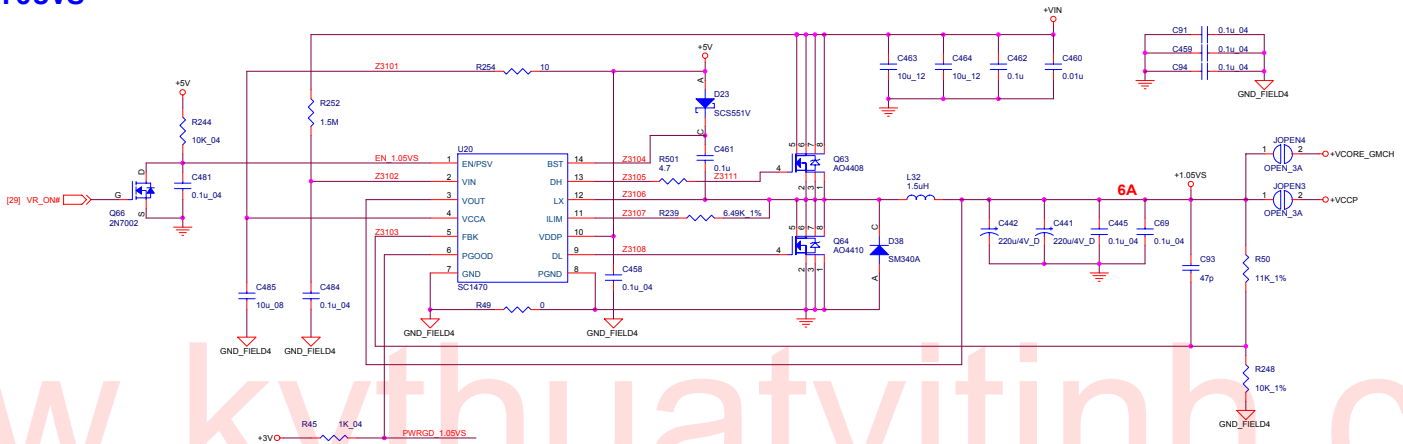
+VCORE

Sheet 29 of 40
+VCORE

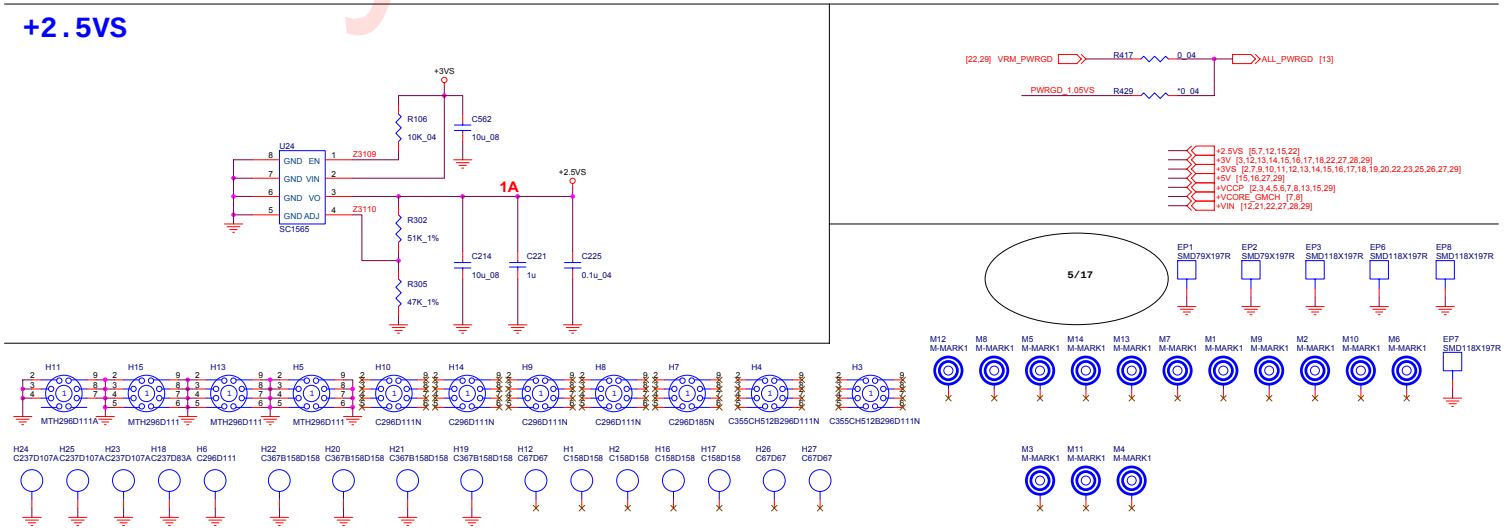


+1.05VS, +2.5VS

+1.05VS



+2.5VS

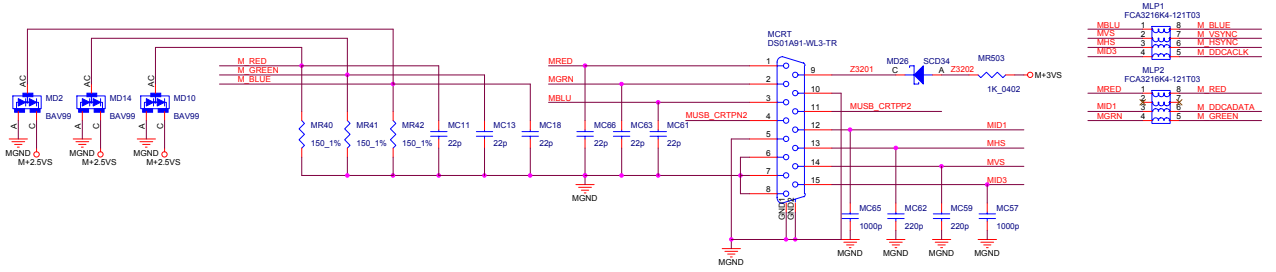


Sheet 30 of 40
+1.05VS, +2.5VS

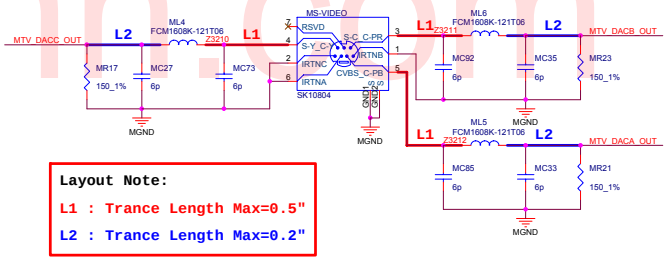
D/D BD (CRT, S-VIDEO, RJ-11)

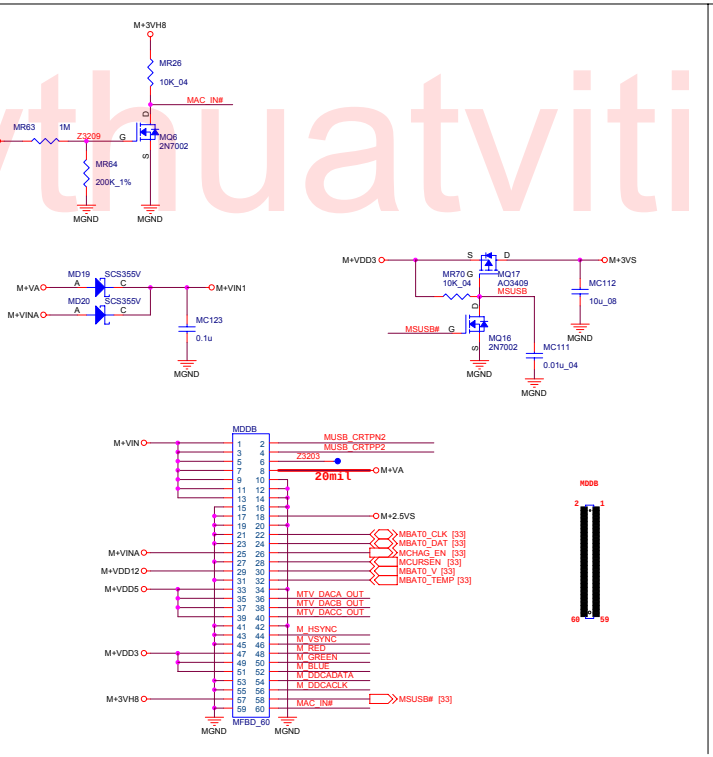
Sheet 31 of 40
D/D BD (CRT, S-VIDEO, RJ-11)

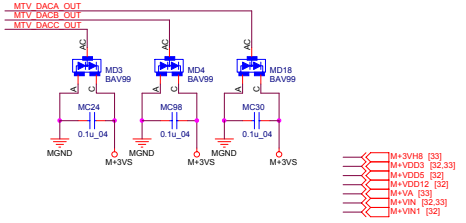
CRT



S-VIDEO

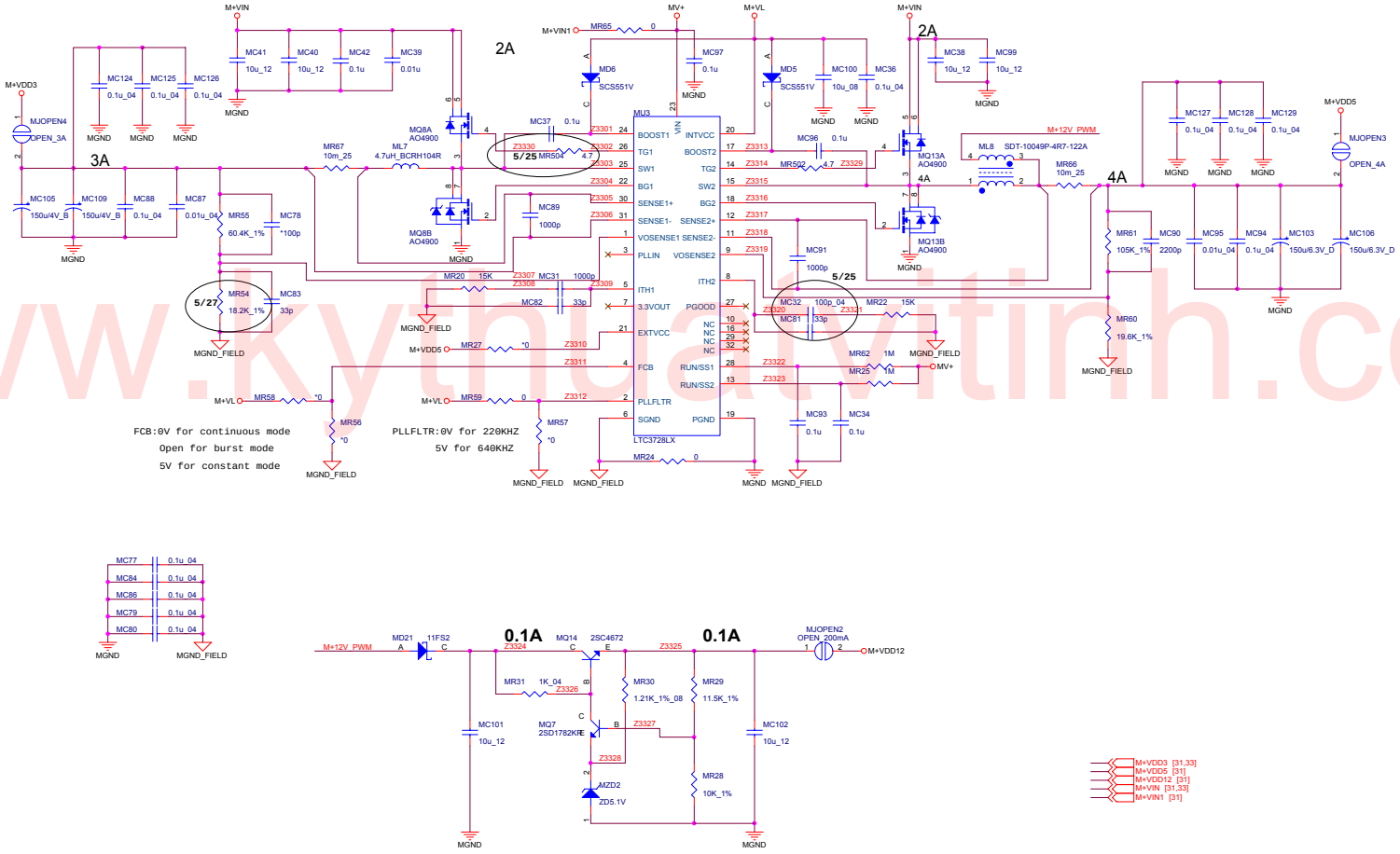






D/D BD (+VDD3, +VDD5, +VDD12)

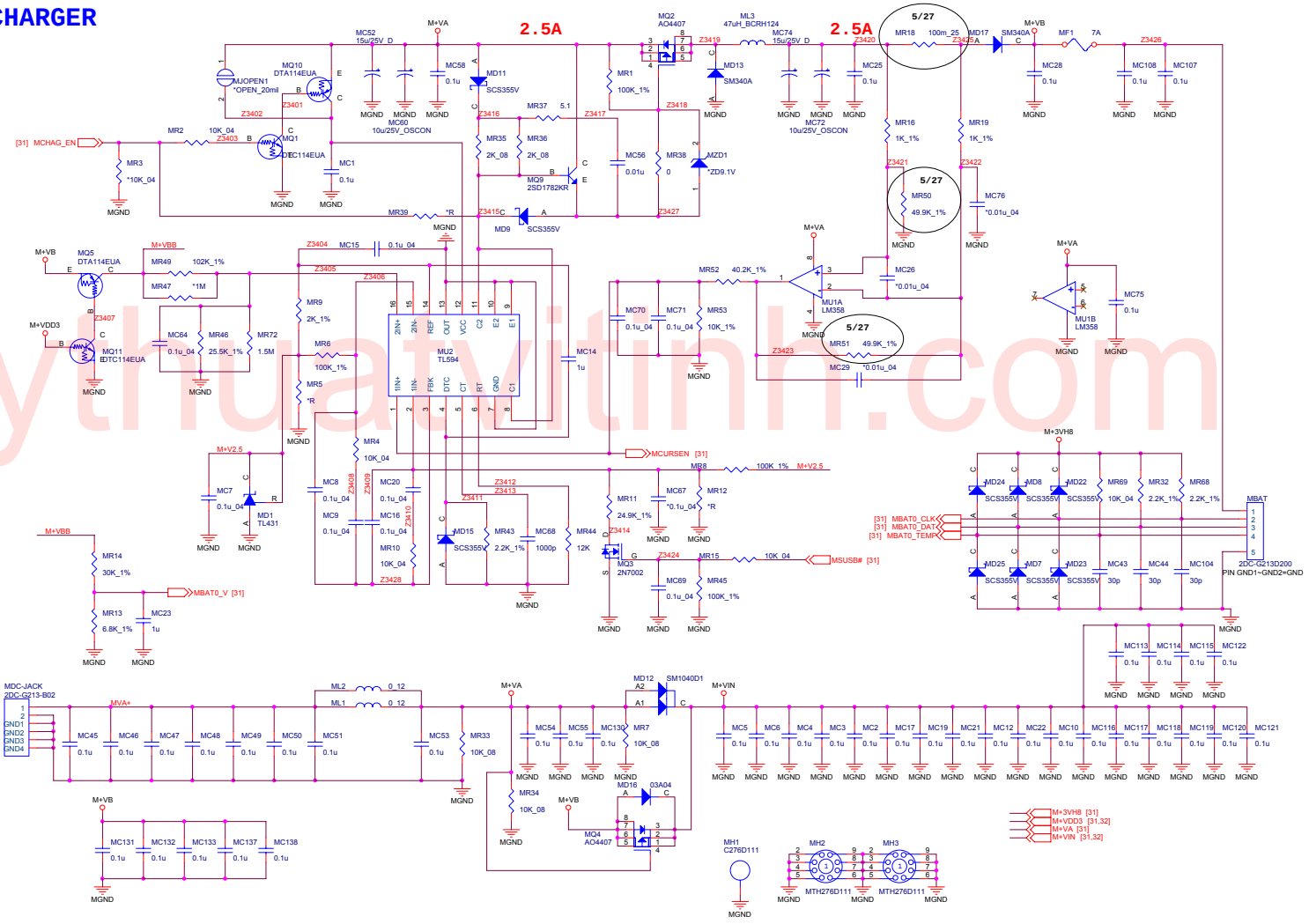
+VDD3,+VDD5,+VDD12



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

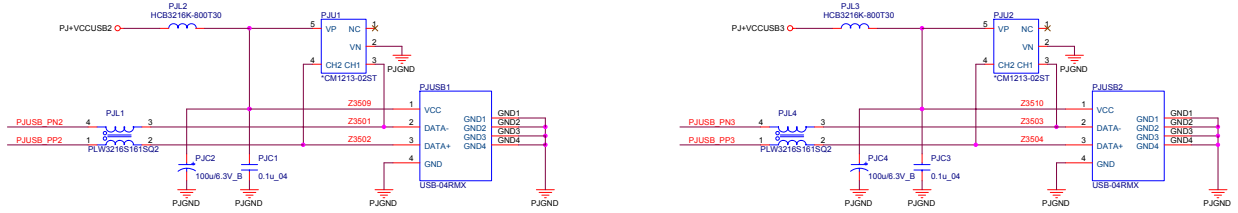
D/D BD (CHARGER, DC IN)

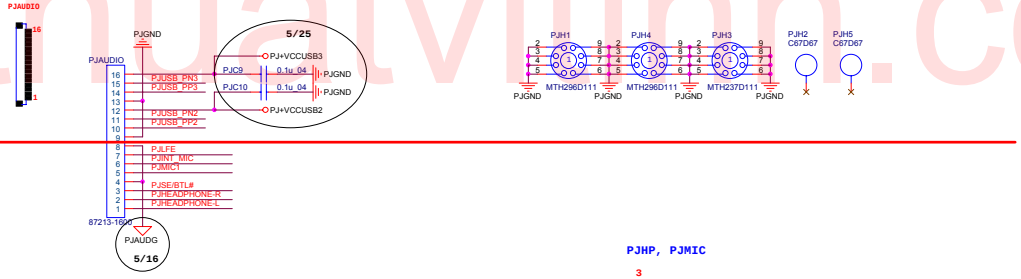
Sheet 33 of 40
D/D BD (CHARGER, DC IN)



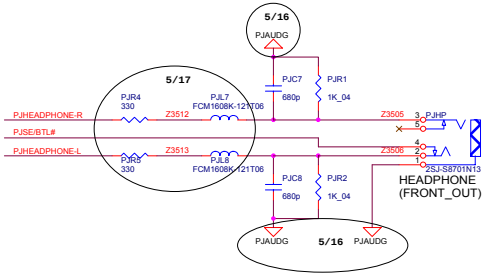
AUDIO BD (PHONE JACK, USB)

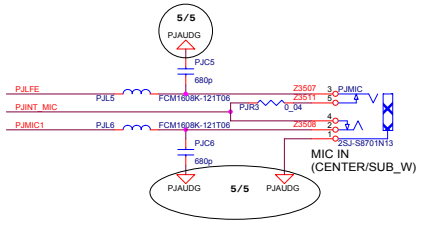
DIGITAL PLANE

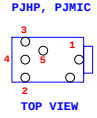




ANALOG PLANE



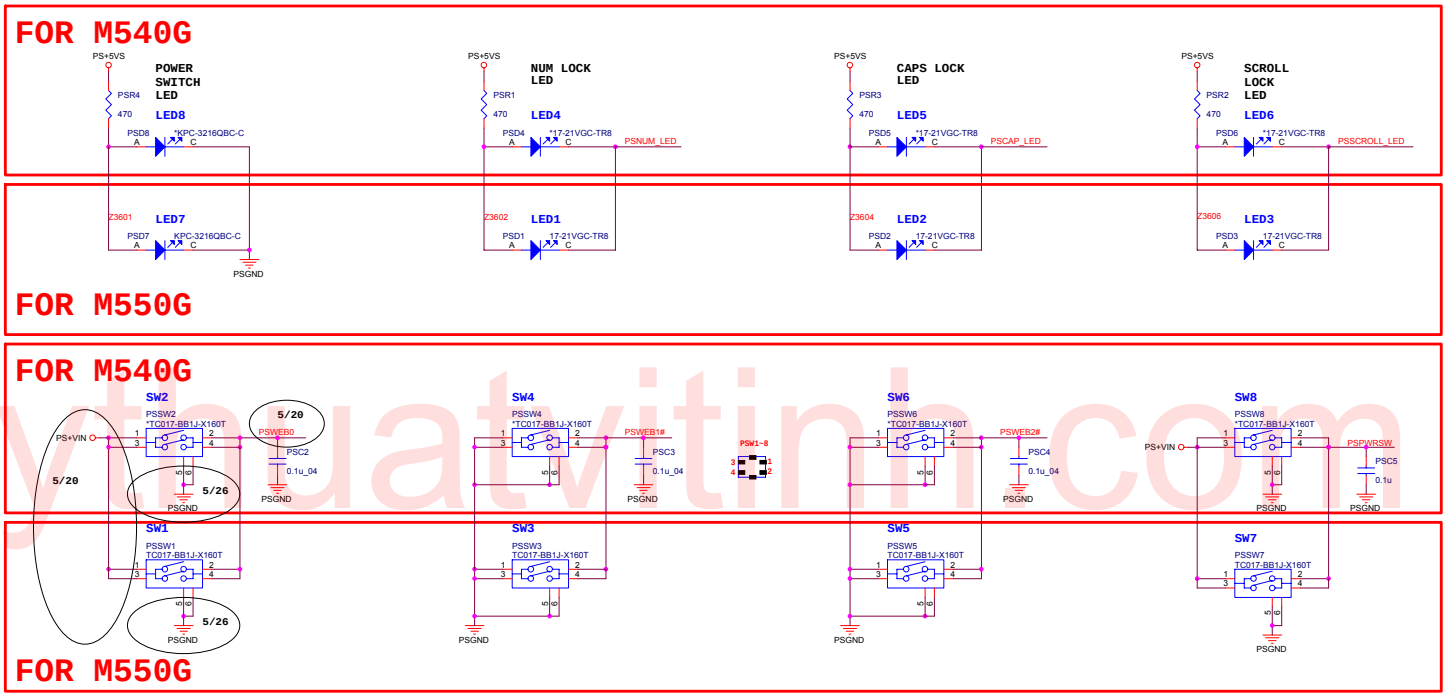




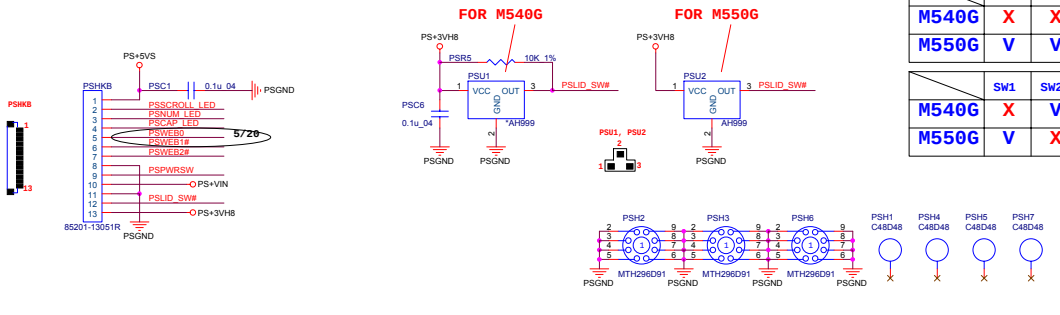
Sheet 34 of 40
AUDIO BD (PHONE JACK, USB)

HOT KEY BD (HOT KEY, LED)

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



LID SWITCH IC



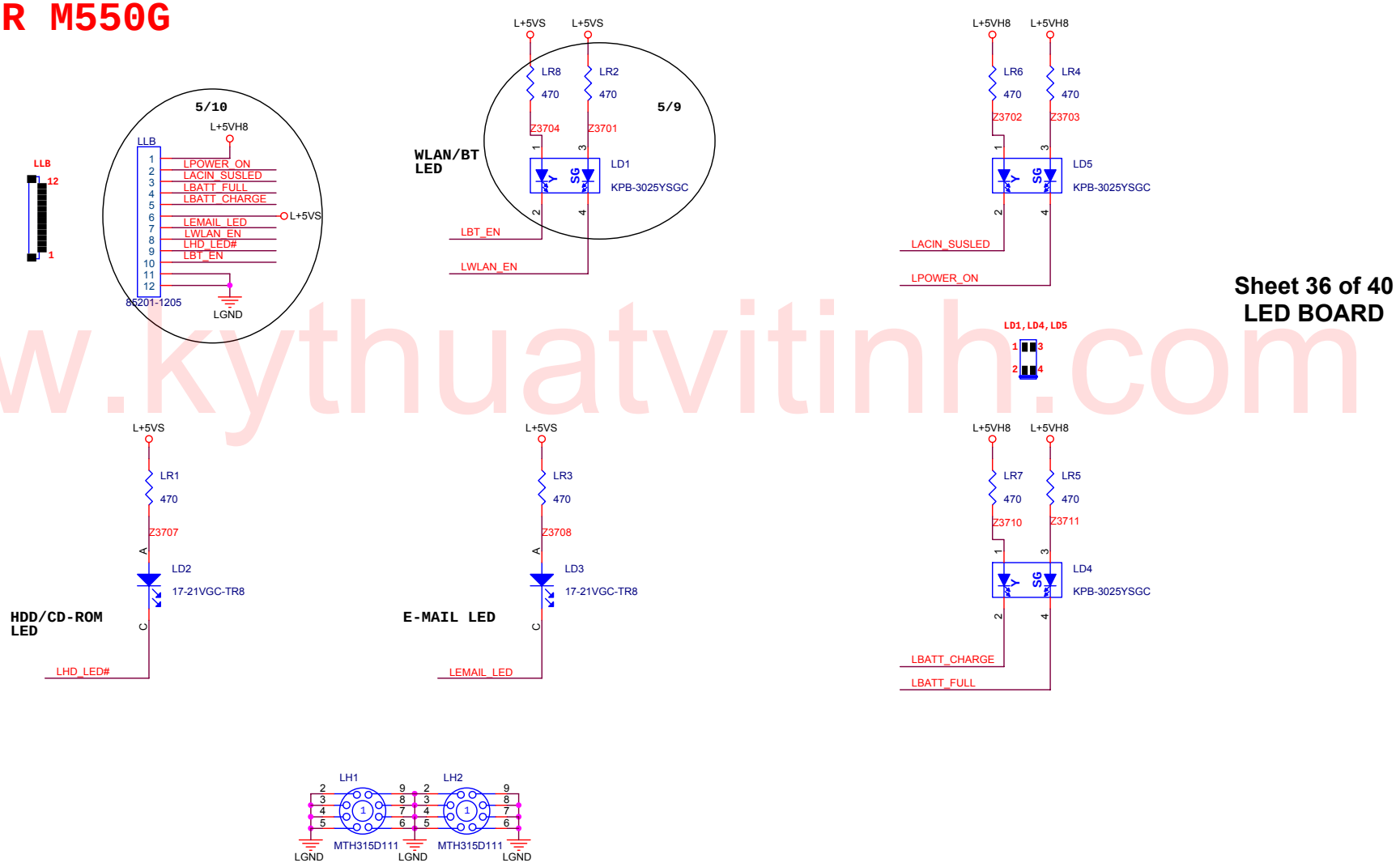
	LED1	LED2	LED3	LED4	LED5	LED6	LED7	LED8	MR SENSOR
M540G	X	X	X	V	V	V	X	V	PSU1
M550G	V	V	V	X	X	X	V	X	PSU2

	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
M540G	X	V	X	V	X	V	X	V
M550G	V	X	V	X	V	X	V	X

CLEVO CO. 藍天電腦	
Title	[35]HOT KEY BD(HOT KEY,LED)
Size A3	Document Number 71-M55GS-003 Rev 3.0
Date: Tuesday, May 31, 2005	Sheet 35 of 39

LED BOARD

FOR M550G



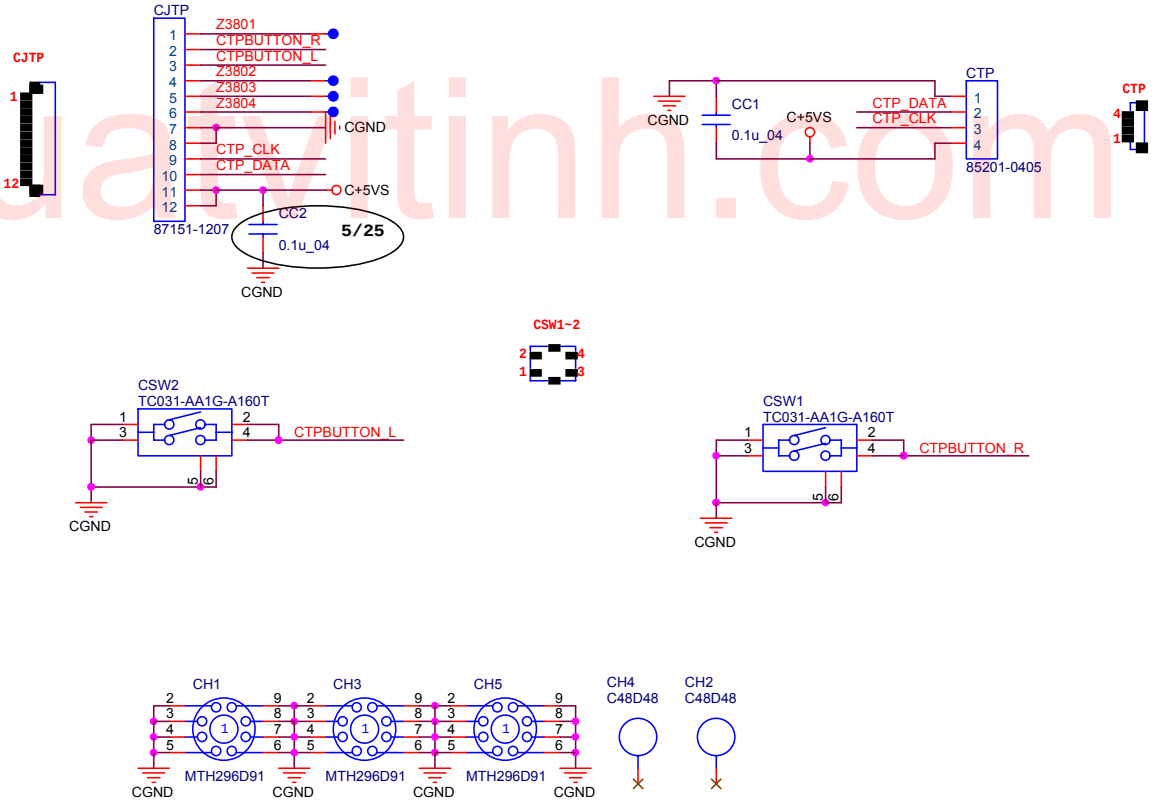
Sheet 36 of 40
LED BOARD

CLICK BOARD

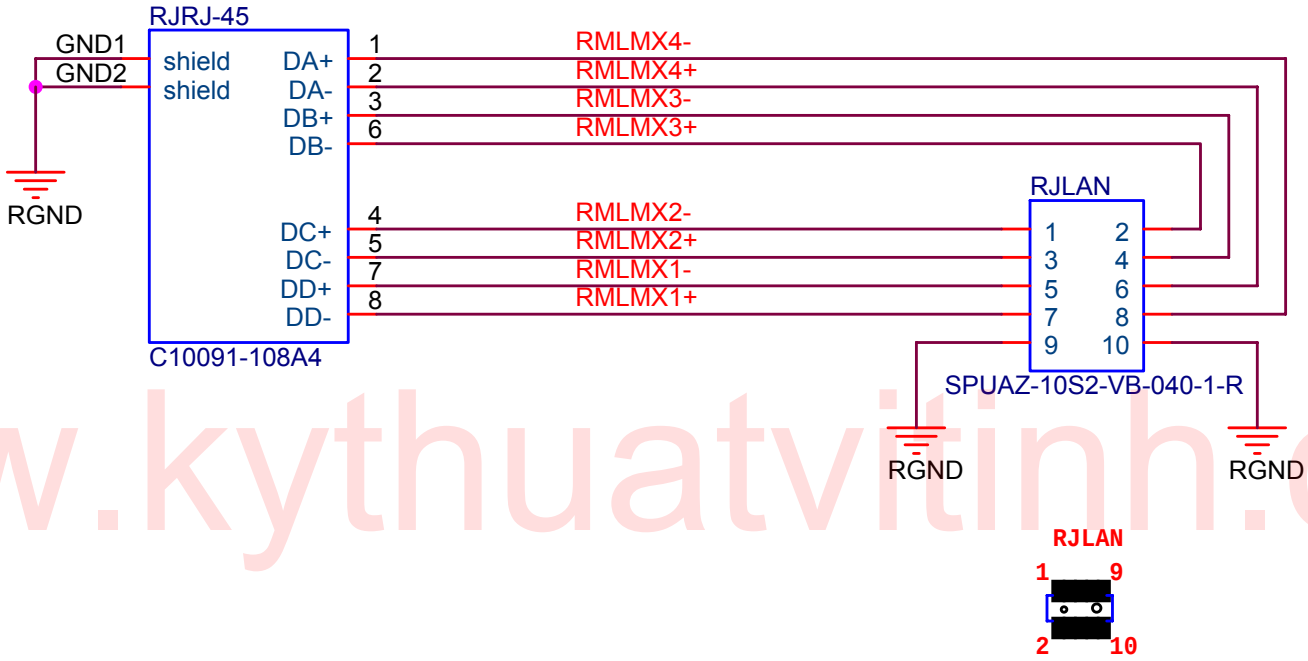
FOR M550G

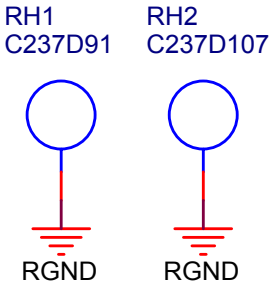
VENDOR	PART NUMBER
Synaptics	
E-LAN	800409-5102

Sheet 37 of 40
CLICK BOARD



RJ-45 BOARD





Sheet 38 of 40
RJ-45 BOARD

USB DONGLE BOARD

Sheet 39 of 40
USB DONGLE BOARD