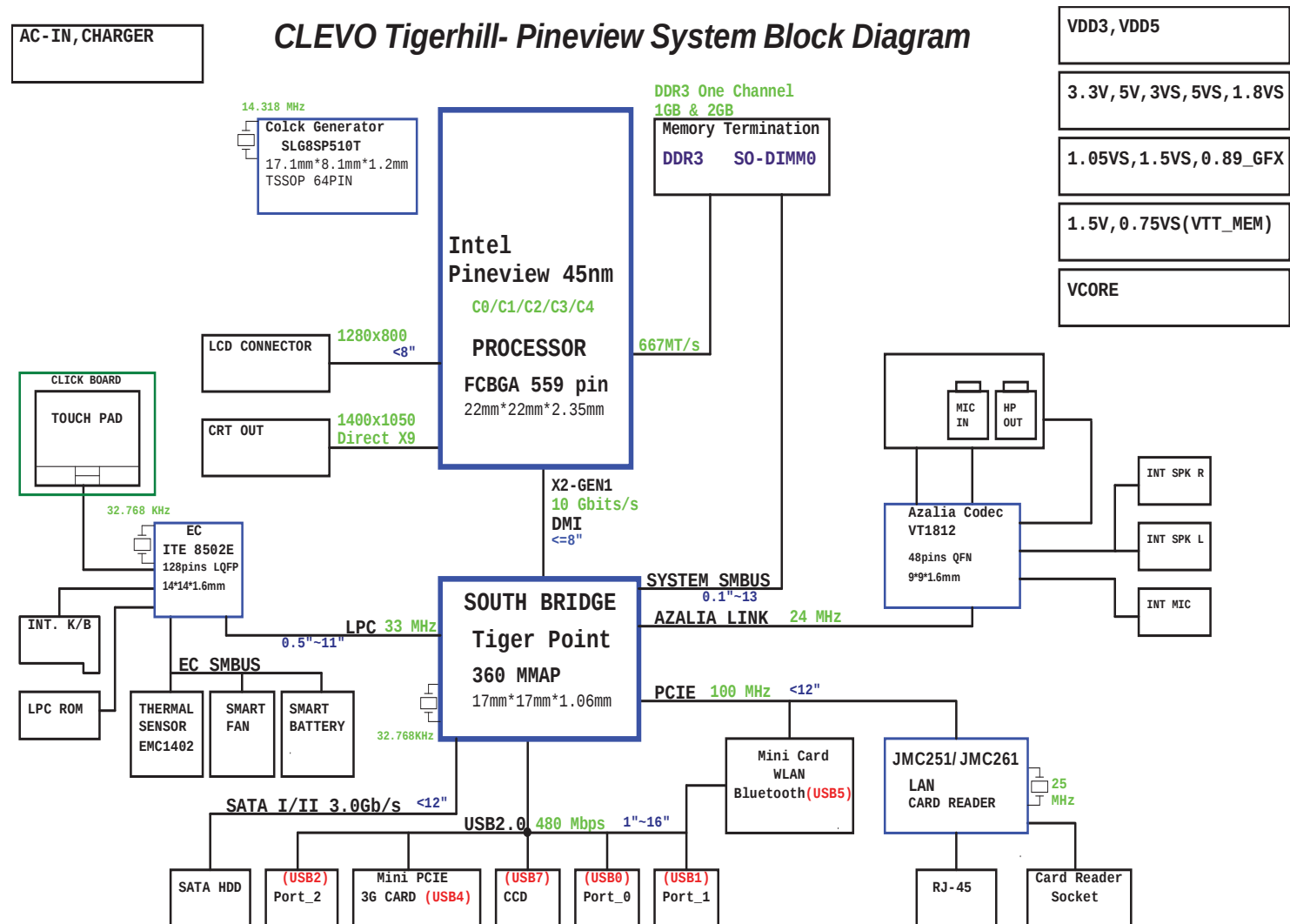
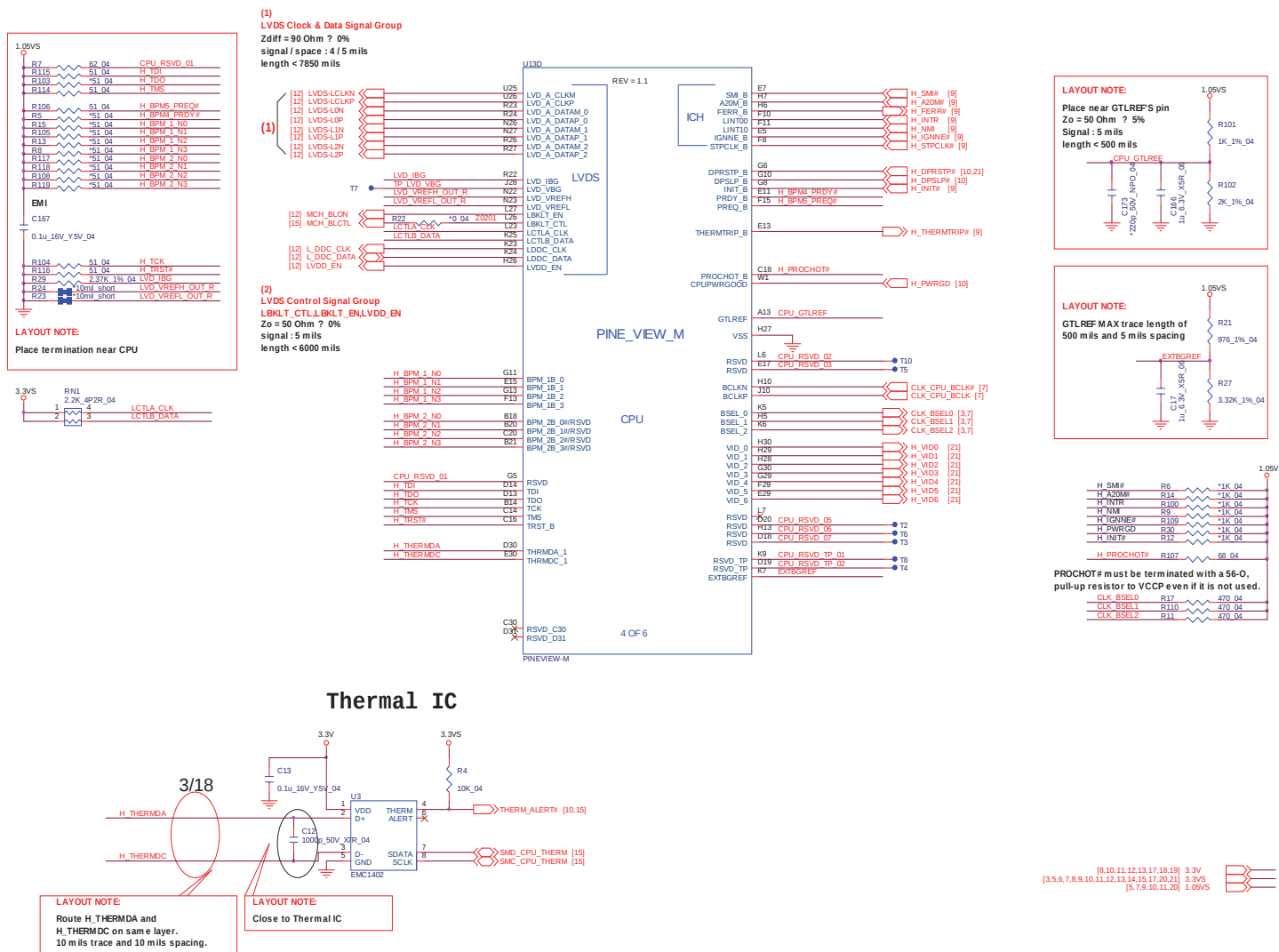


System Block Diagram

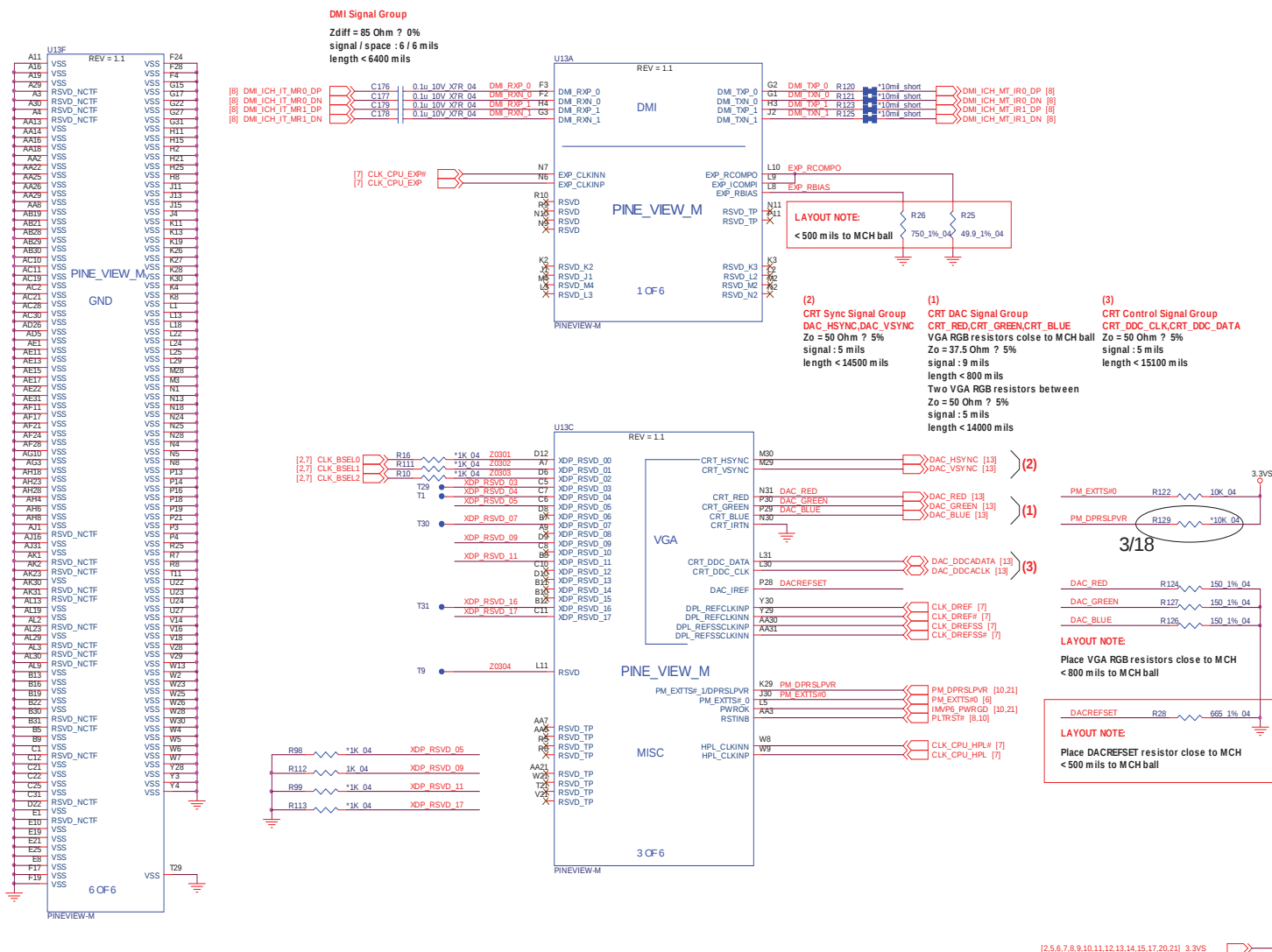


Sheet 1 of 26
System Block
Diagram

Pineview CPU Part-D

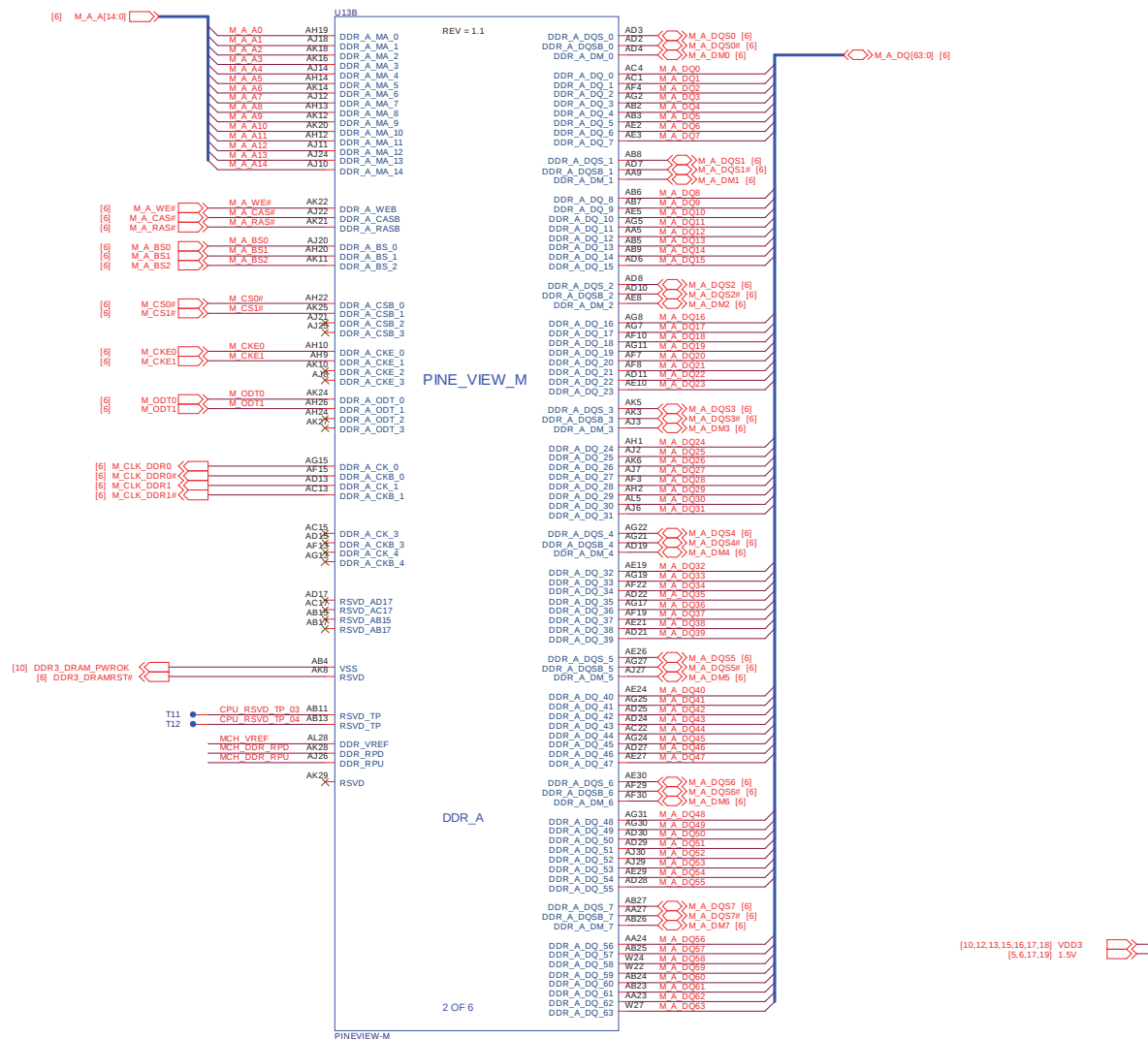
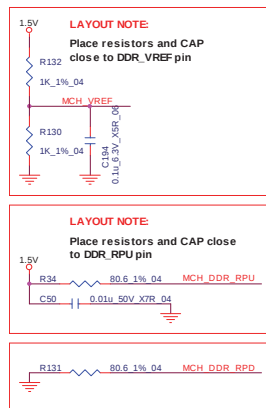


Sheet 3 of 26
Pineview CPU Part
A-C-F



Sheet 4 of 26
Pineview CPU Part
B

B.Schematic Diagrams

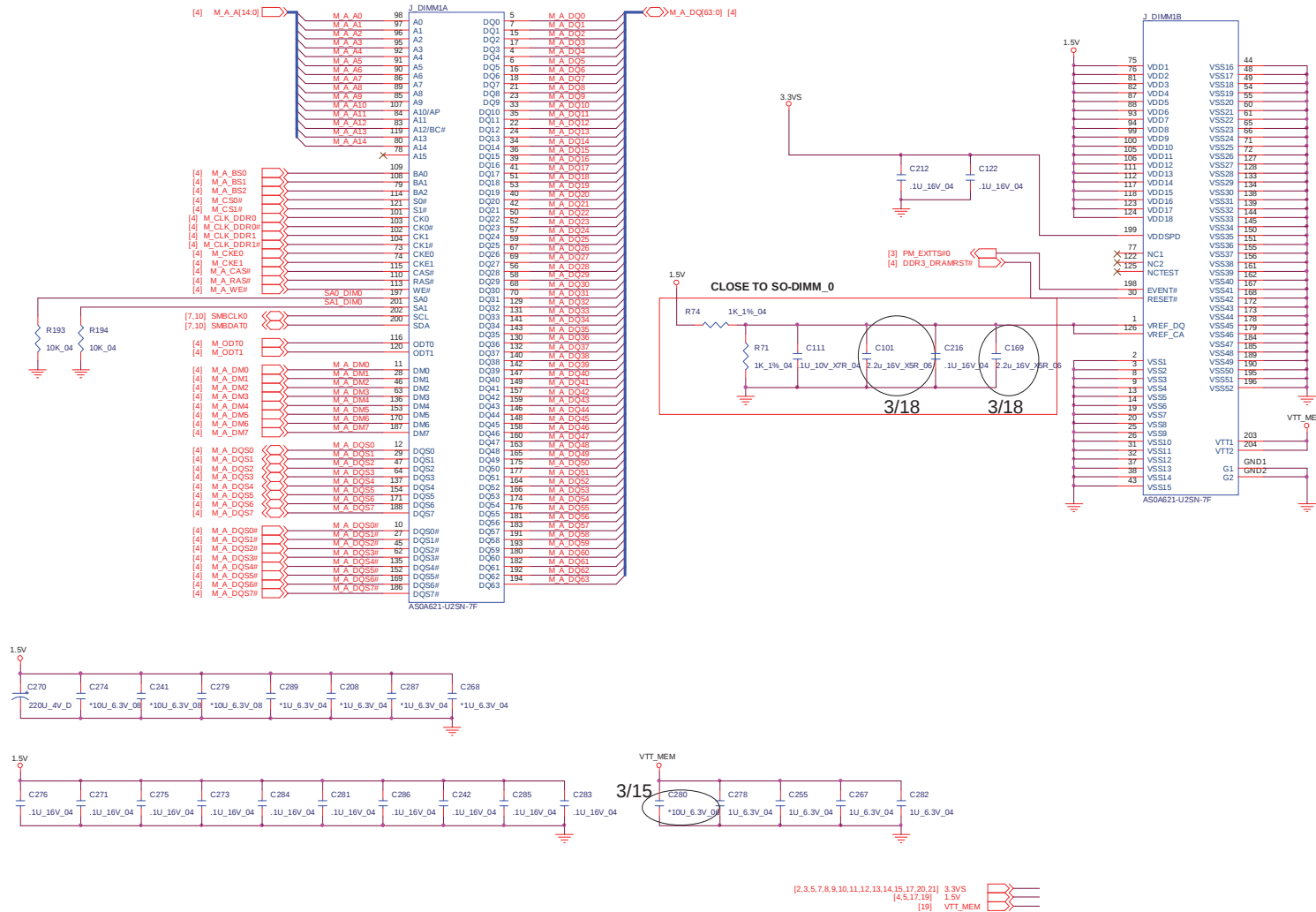


B.Schematic Diagrams

[illegible]

DDRIII SO-DIMM_0

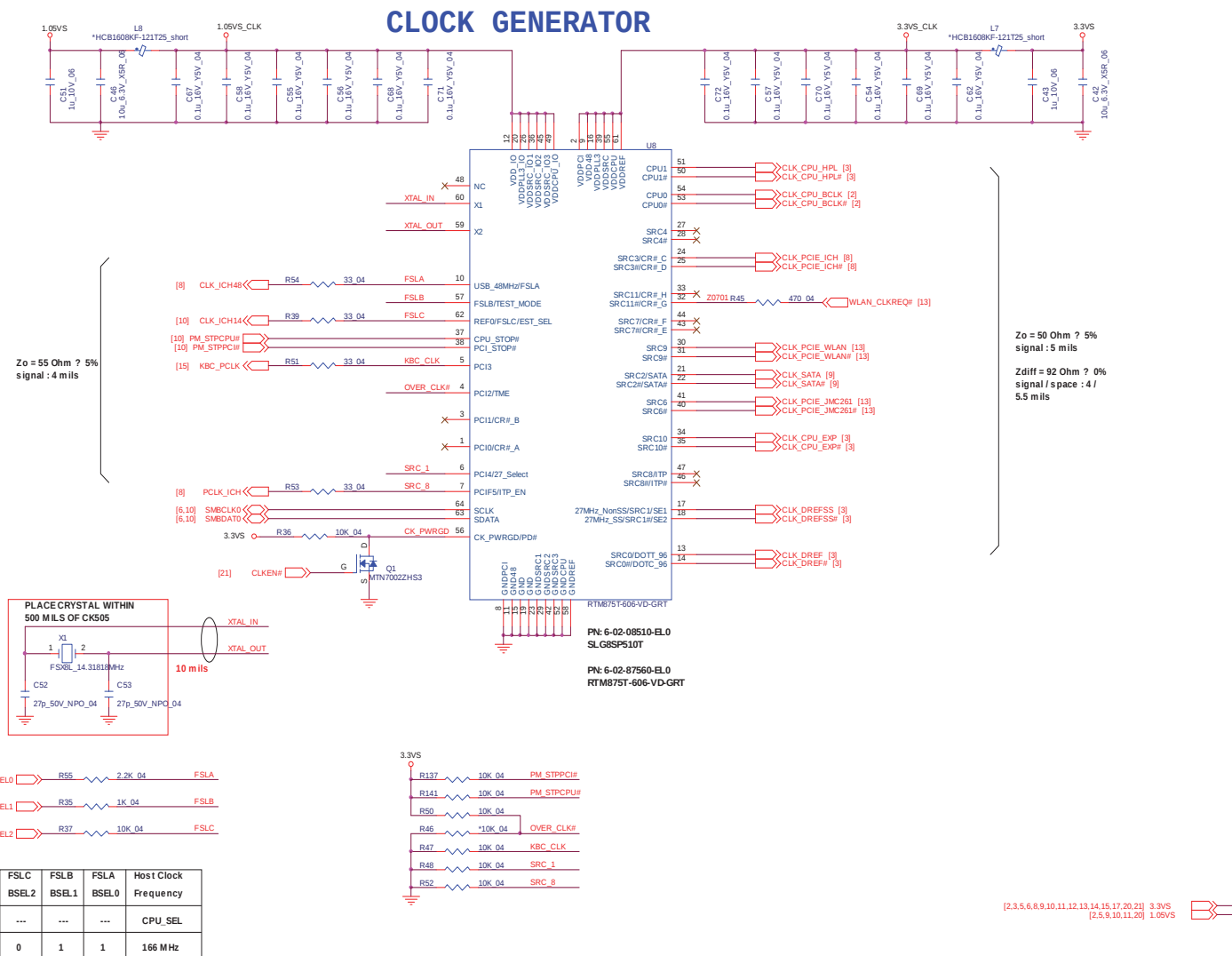
SO-DIMM 0



Clock Generator

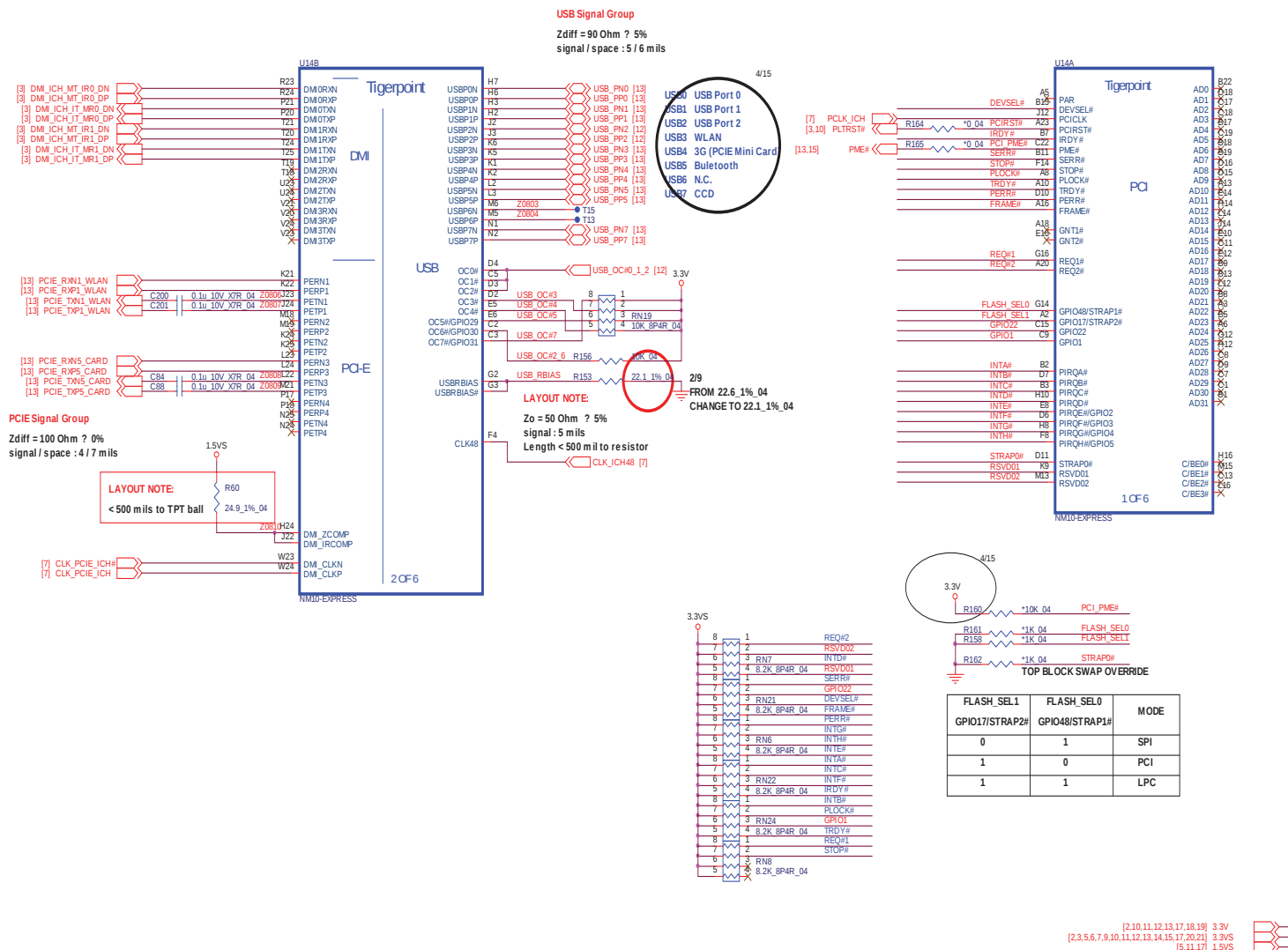
B.Schematic Diagrams

Sheet 7 of 26
Clock Generator

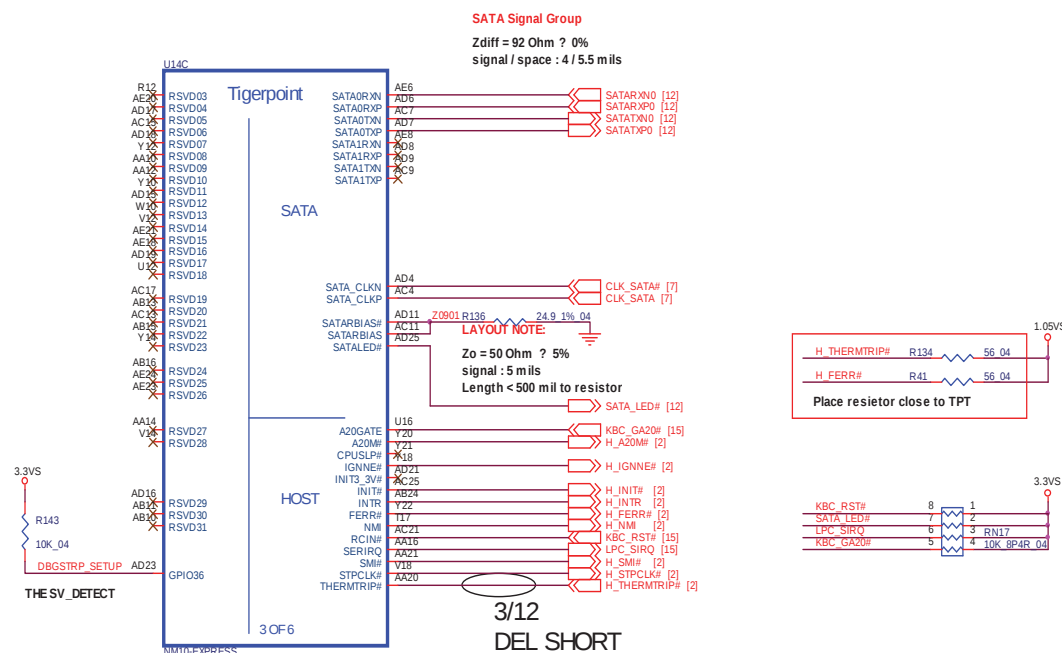


Tigerpoint Part A-B

Sheet 8 of 26
Tigerpoint Part A-B



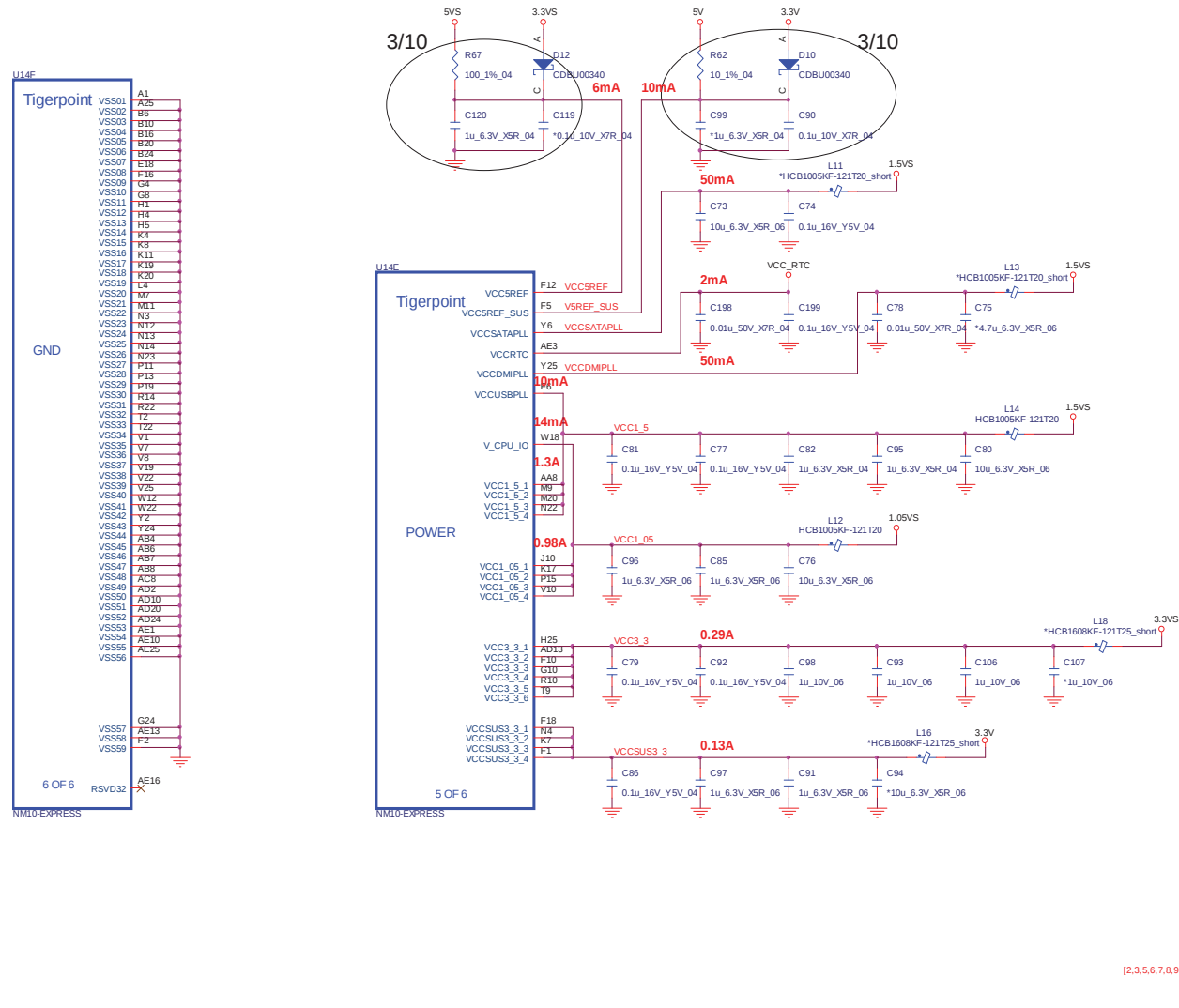
B - 10 Tigerpoint Part C



B.Schematic Diagrams



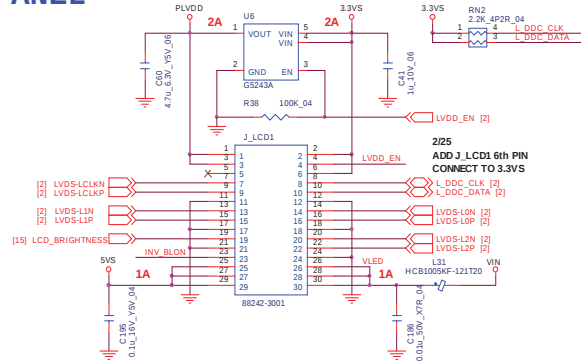
Tigerpoint Part E-F



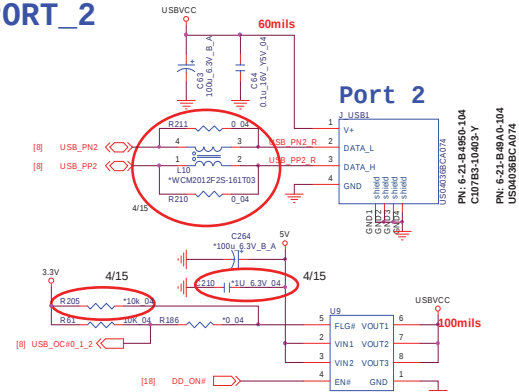
Sheet 11 of 26
Tigerpoint Part E-F

USB, Panel, HDD, LED

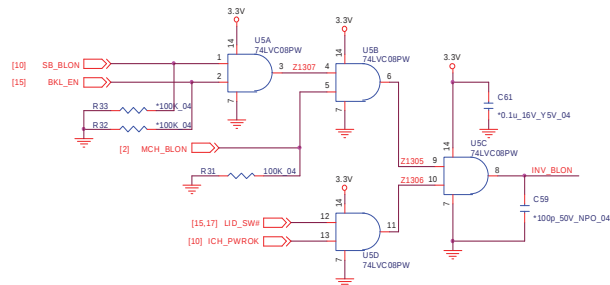
PANEL



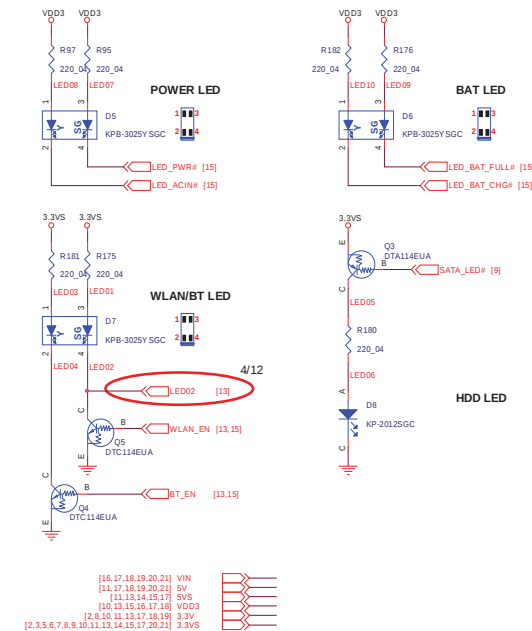
USB PORT_2



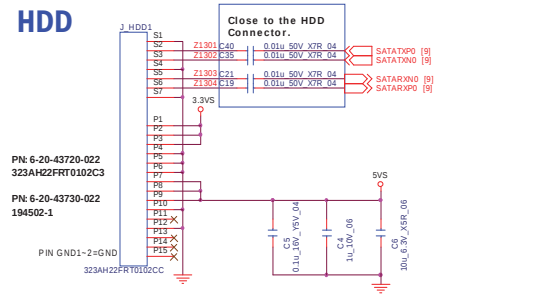
BACKLIGHT ON CONTROL



LED



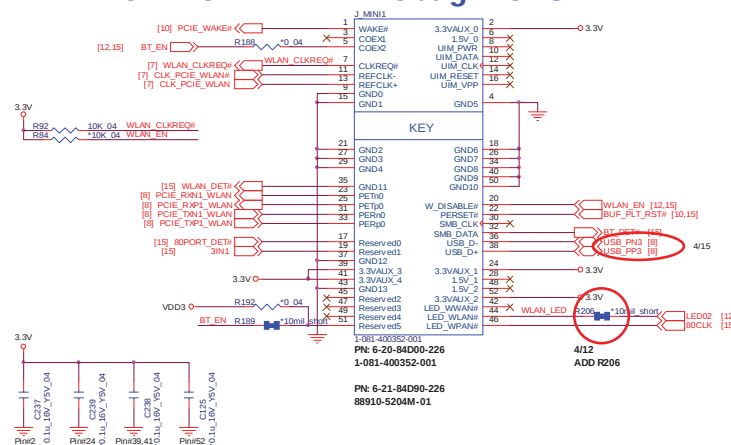
SATA HDD



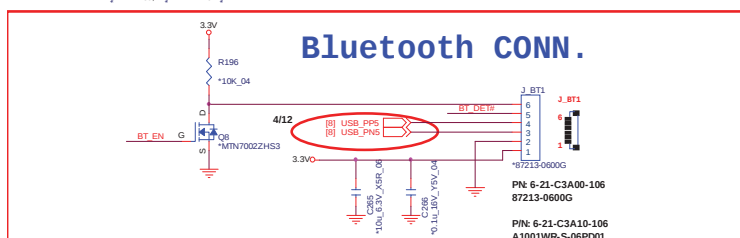
Sheet 12 of 26
USB, Panel, HDD,
LED

BTB, 3G, WLAN, BT

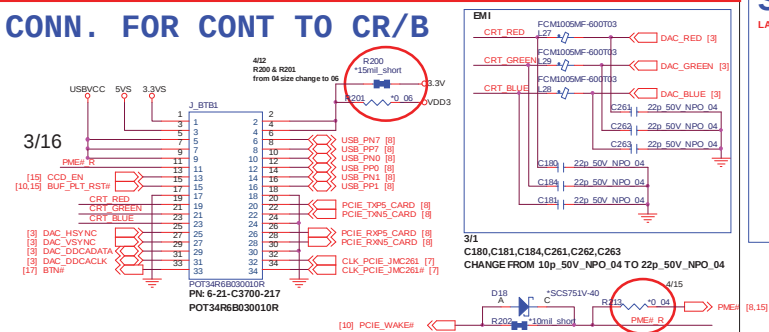
MINI-PCIE CARD AND Debug Port



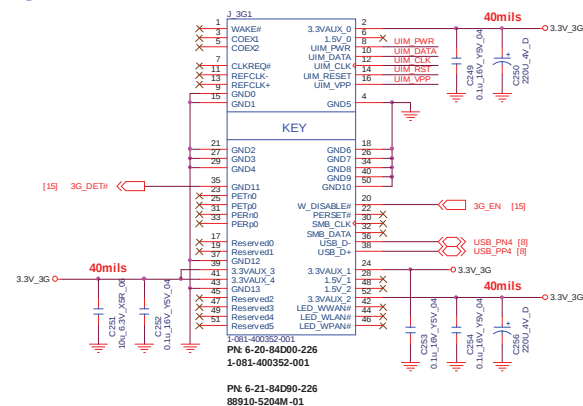
Bluetooth CONN.



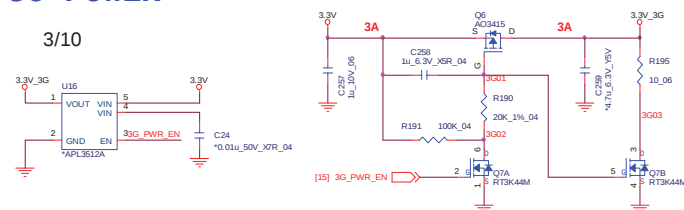
CONN. FOR CONT TO CR/B



3G CARD

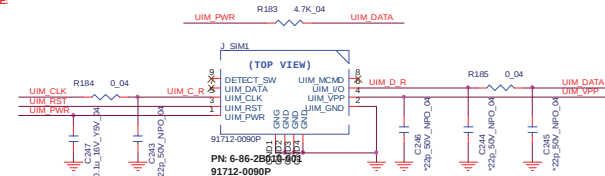


3G POWER



SIM CONN

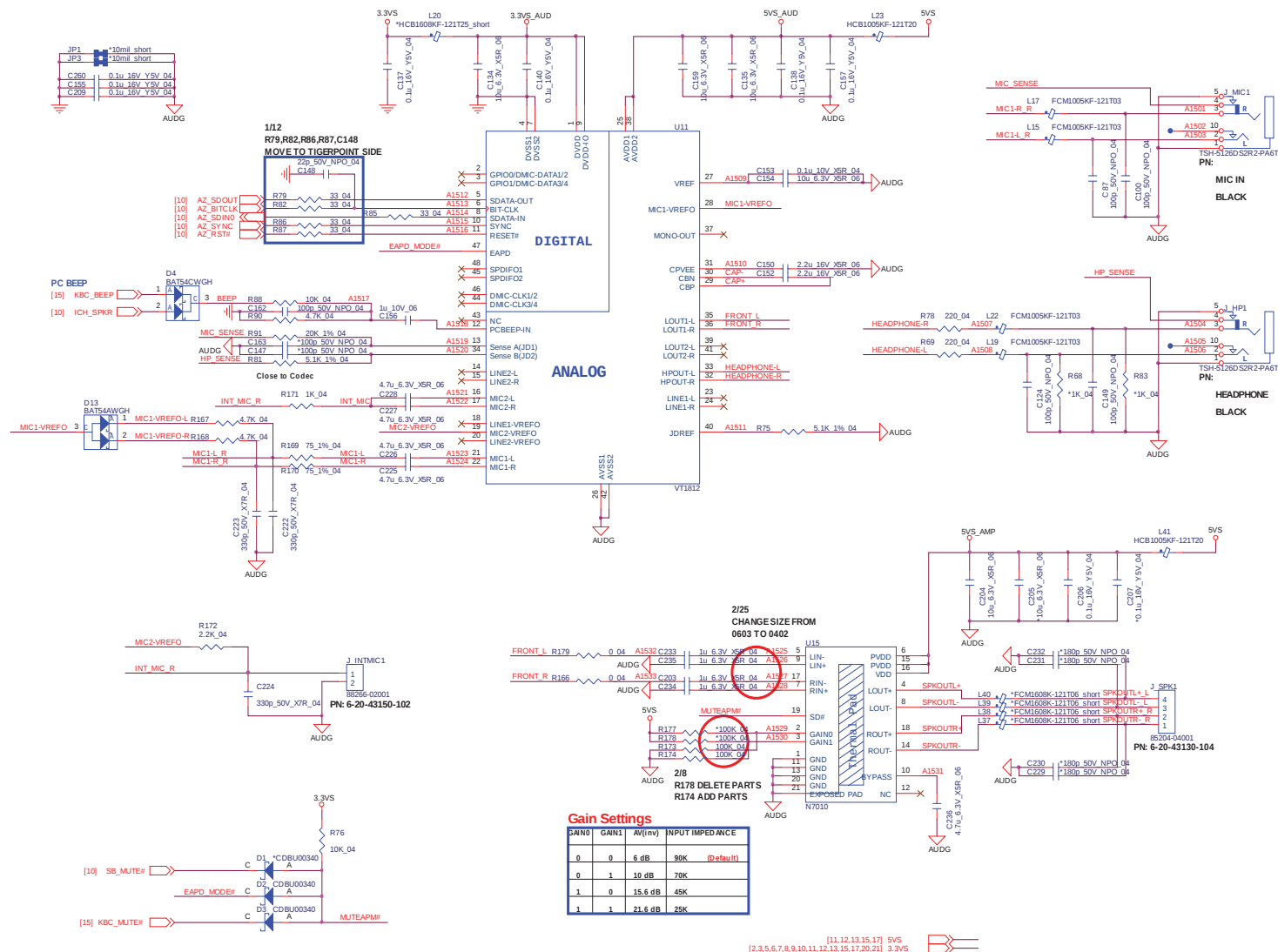
LAYOUT NOTE:



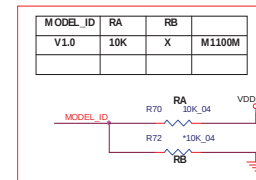
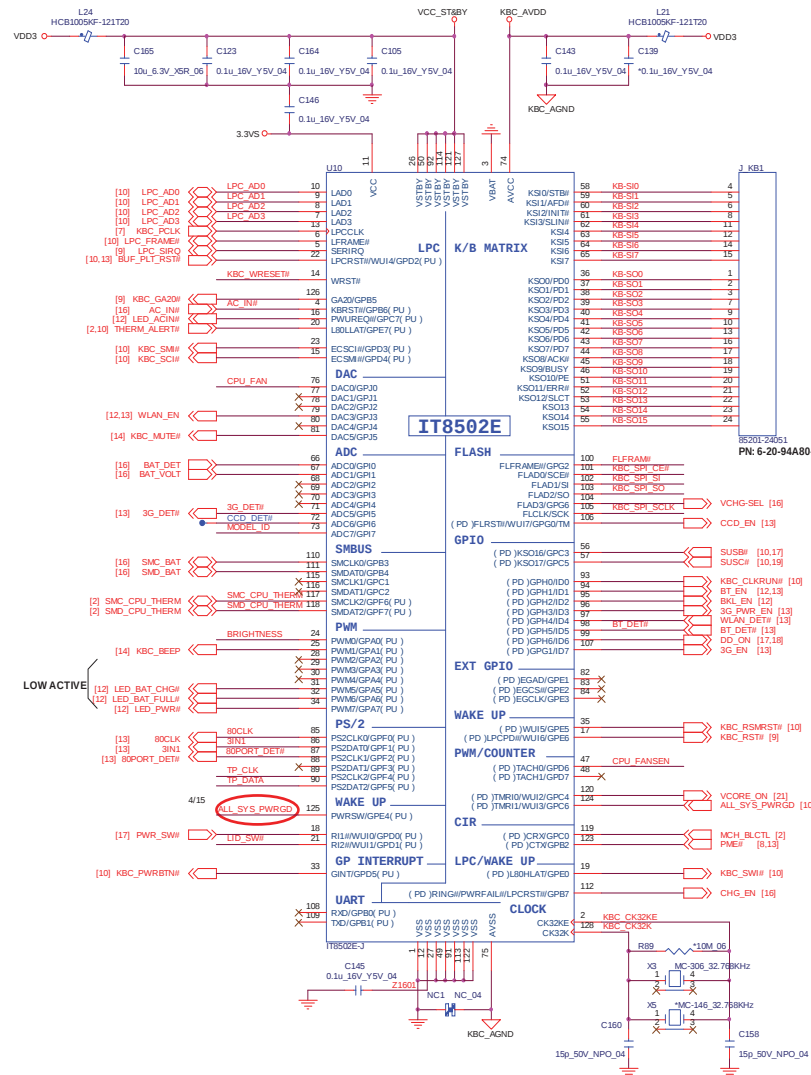
[11,12,14,15,17]	5VS	
[10,12,15,16,17,18]	VDD3	
[2,8,10,11,12,17,18,19]	3.3V	
[2,3,5,6,7,8,9,10,11,12,14,15,17,20,21]	3.3VS	

Audio Codec VT1812

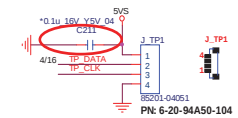
Sheet 14 of 26
Audio Codec
VT1812



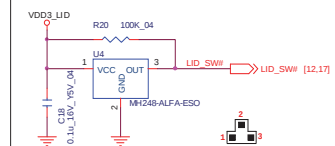
KBC-ITE IT8502E-J, TP, LID



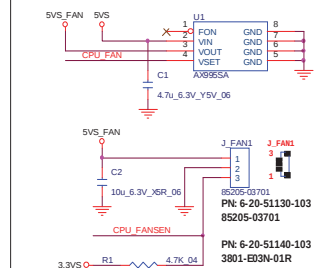
TP CONN.



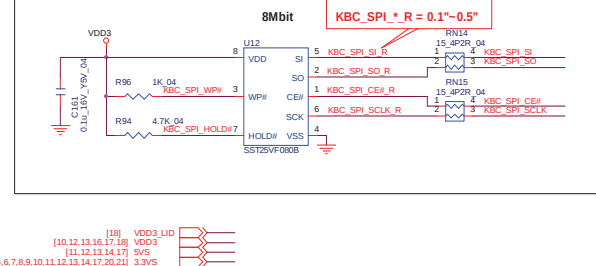
LID SWITCH IC



FAN CONTROL



SPI EEROM

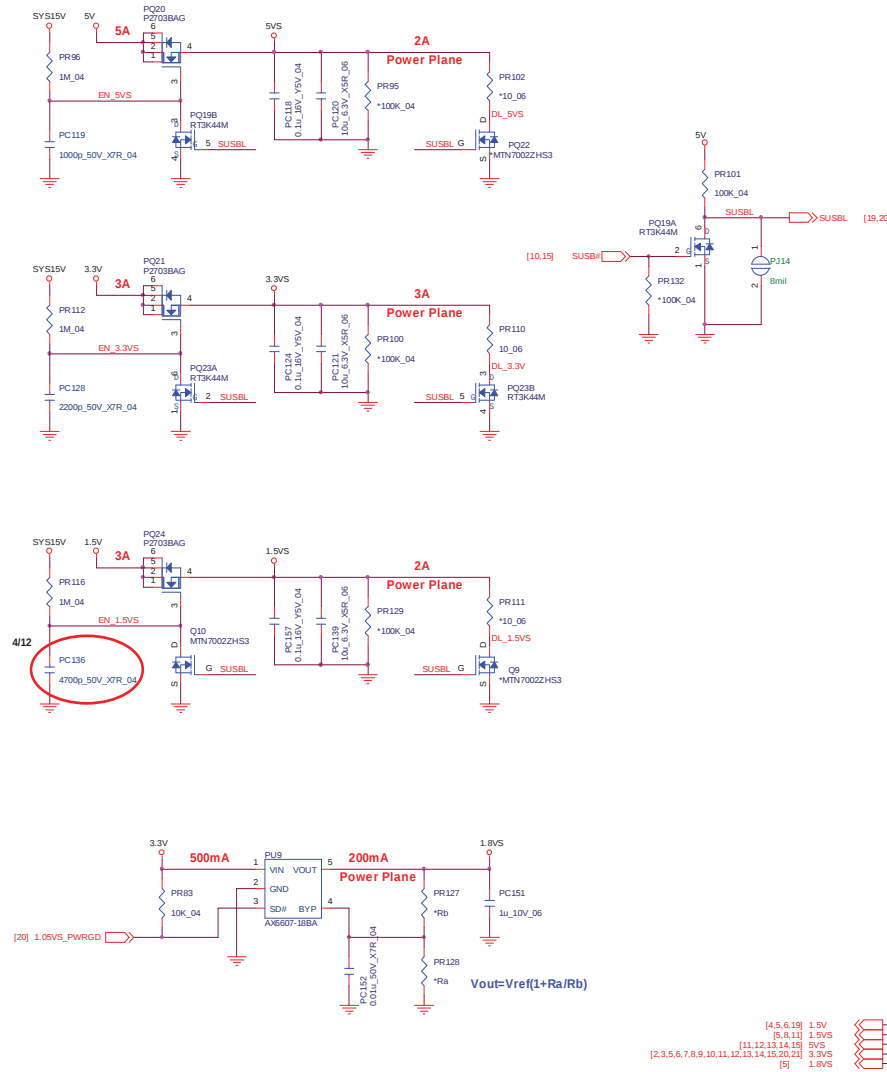


Sheet 16 of 26
PWR AC_IN,
Charge

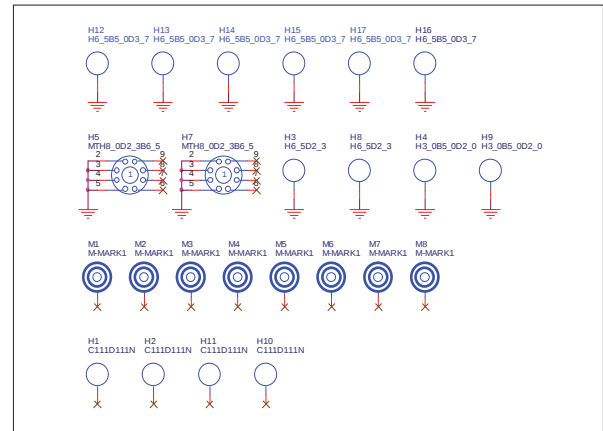
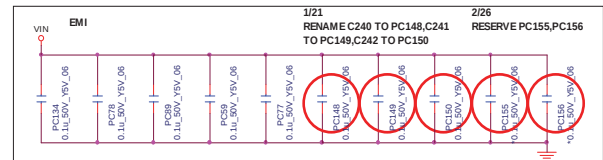
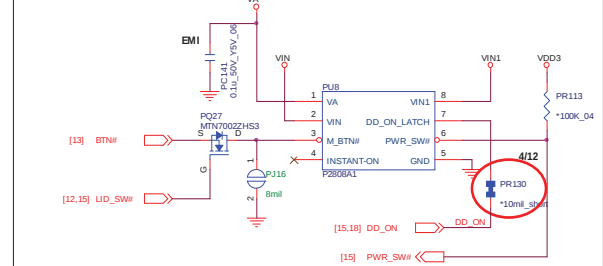


PWR SW, 1.8VS, 3VS, 5VS, 1.5VS

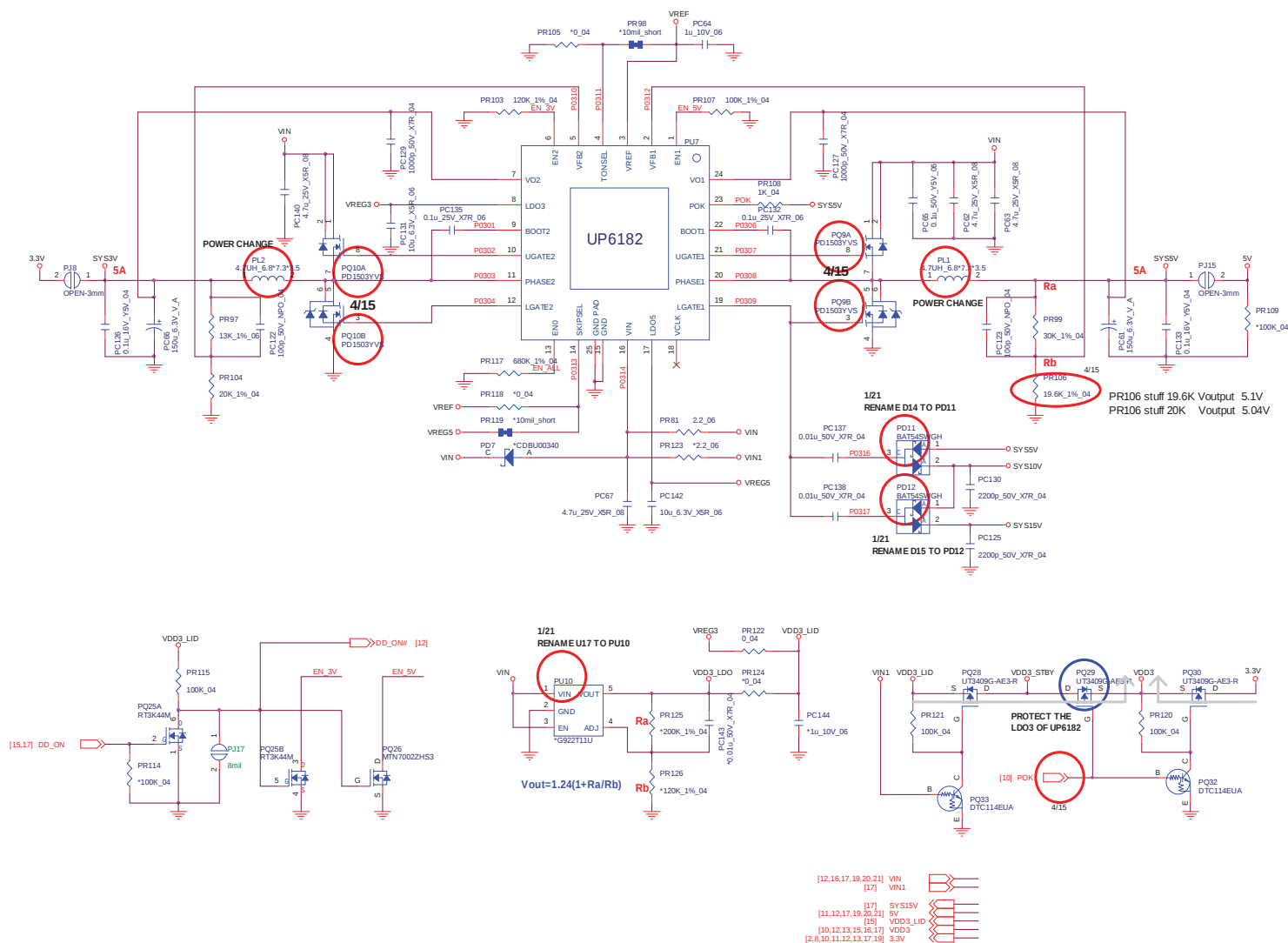
Sheet 17 of 26
PWR SW, 1.8VS,
3VS, 5VS, 1.5VS



P2808A1

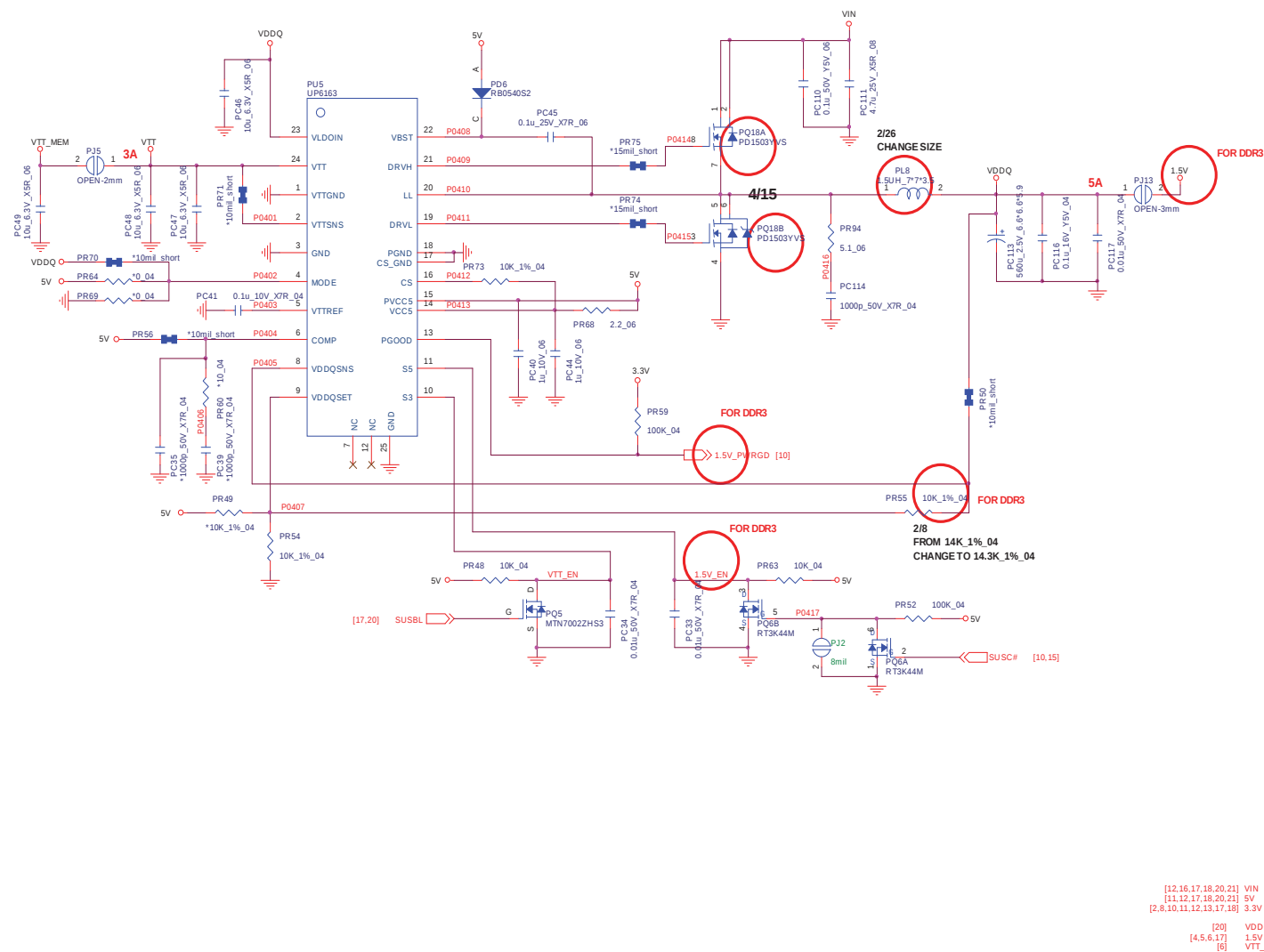


PWR VDD3, 3.3V, 5V, SYS 15V



PWR 1.5V, 0.75V

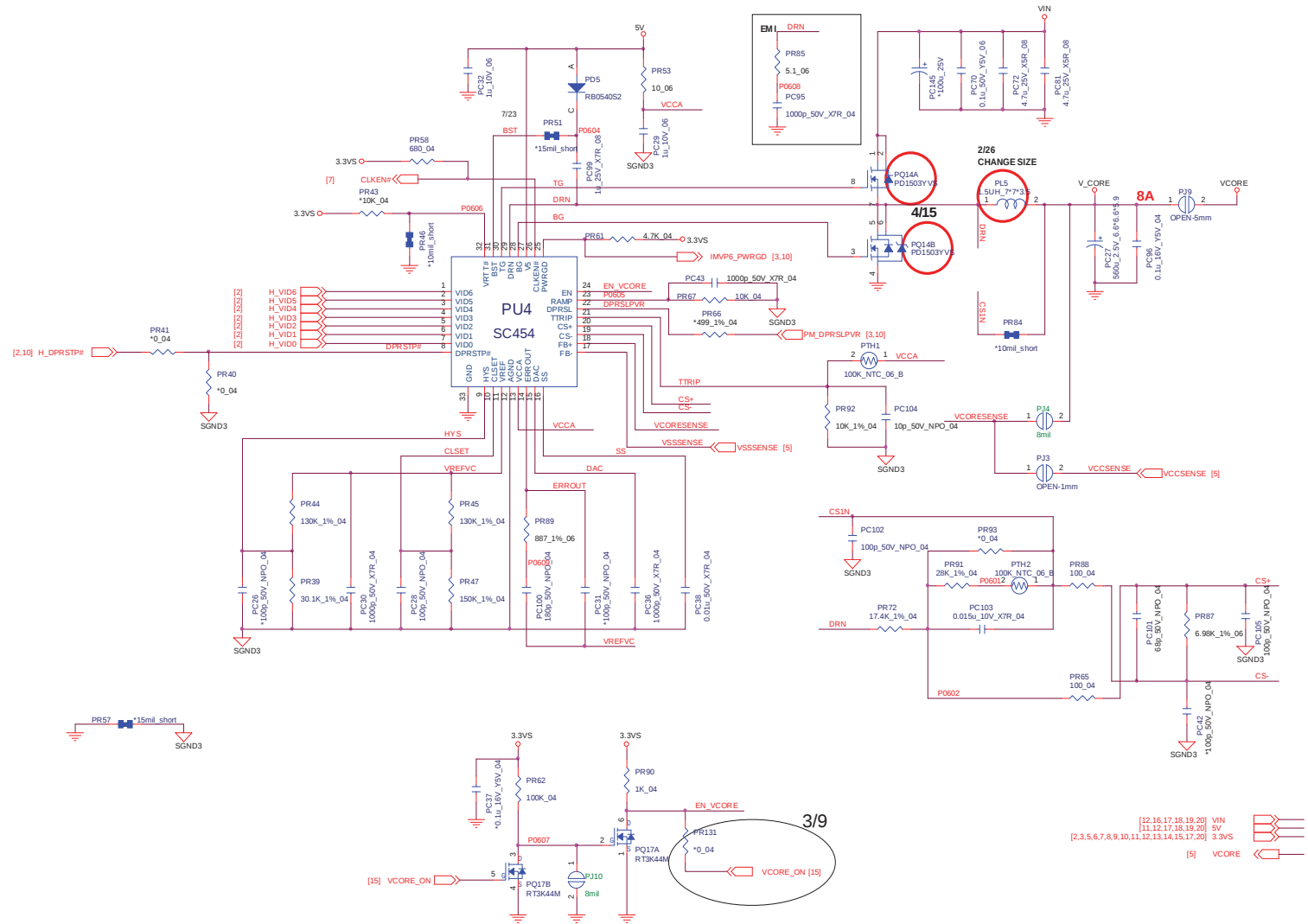
Sheet 19 of 26
PWR 1.5V, 0.75V



Sheet 20 of 26
PWR 0.89V, 1.05VS,
1.5VS

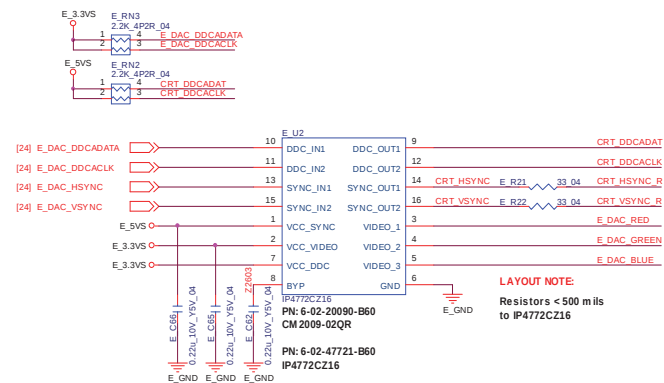
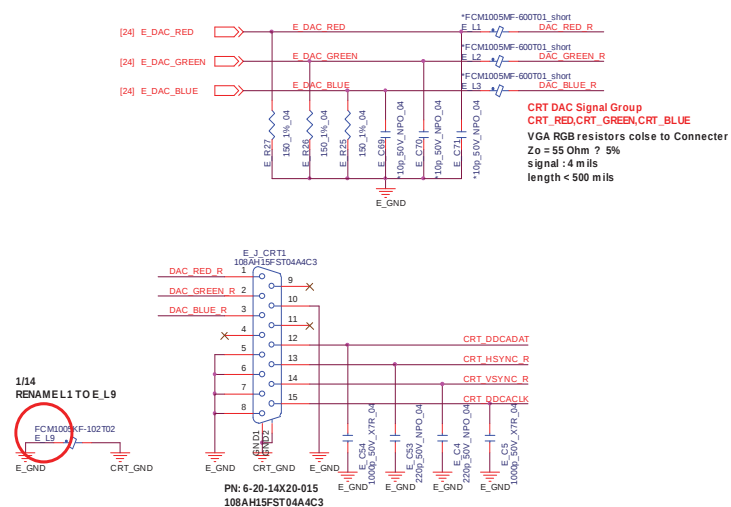


PWR VCORE

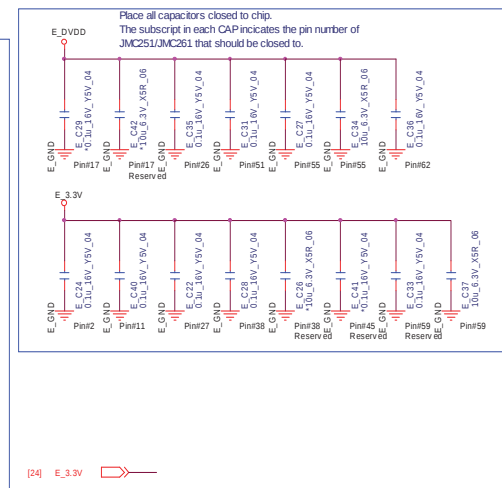
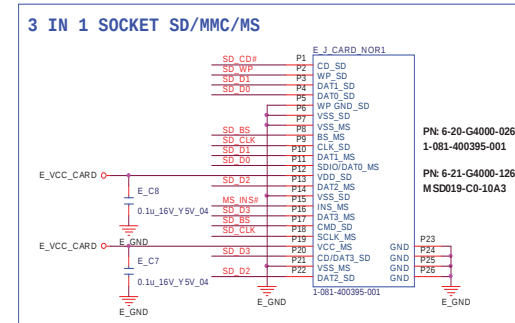
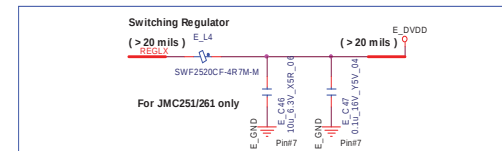
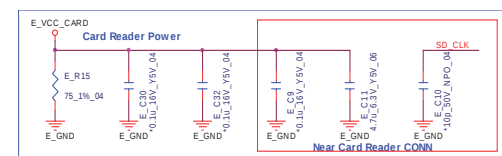
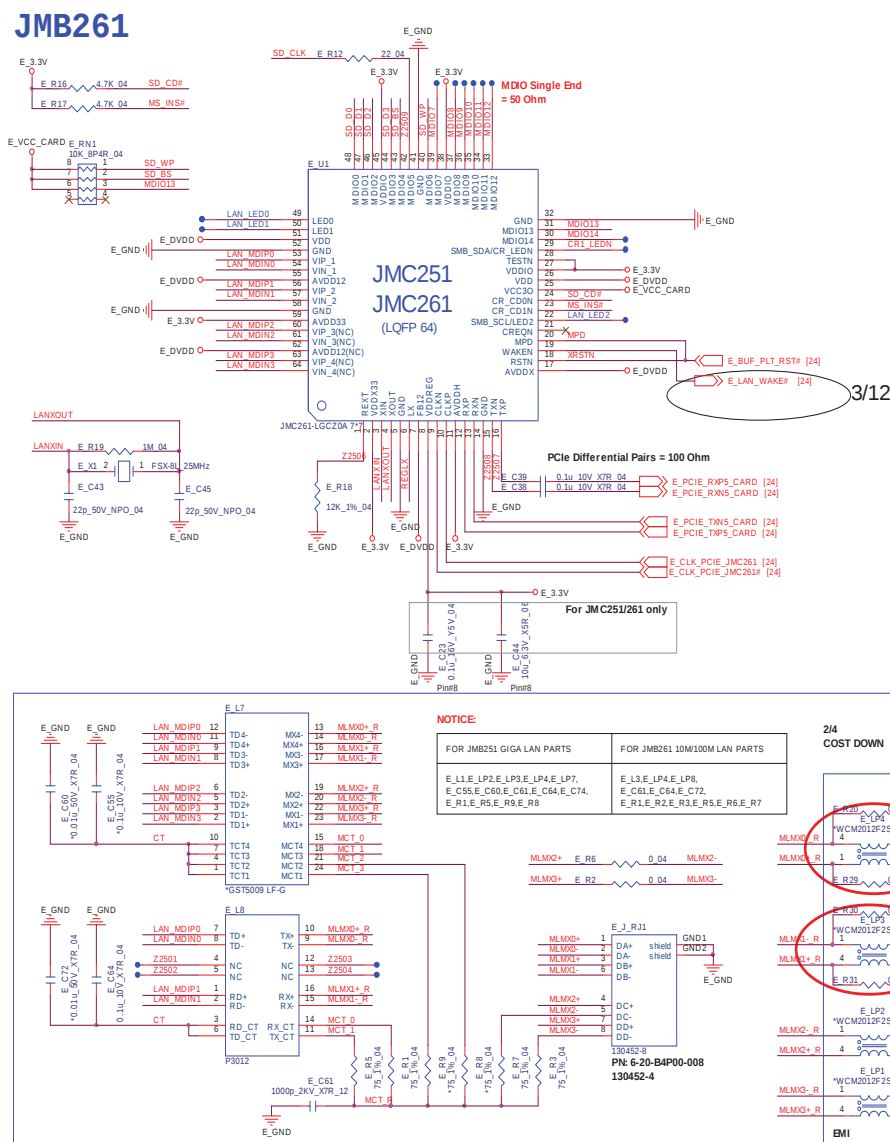
Sheet 21 of 26
PWR VCORE

CRT

CRT

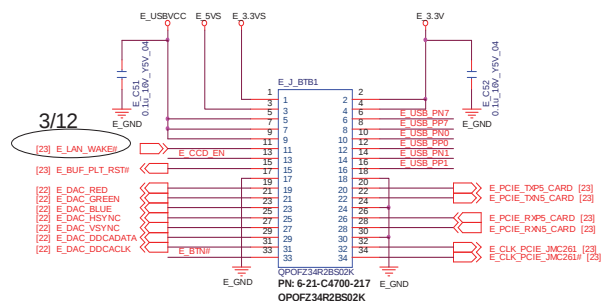


Sheet 22 of 26
CRT

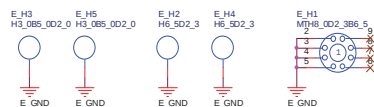
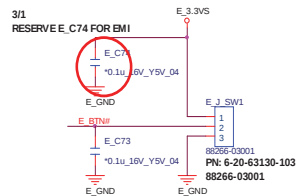


BTB, USB, CCD, PWR SW

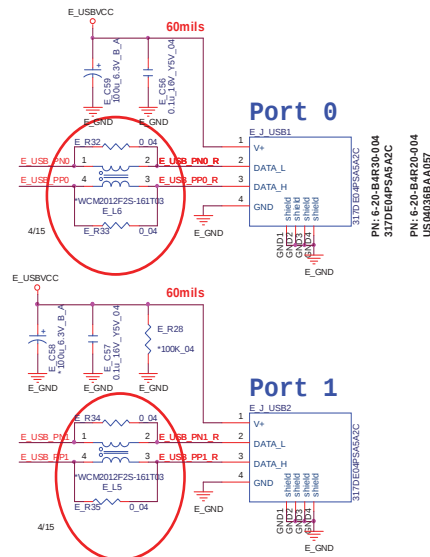
CONN. FOR CONT TO M/B



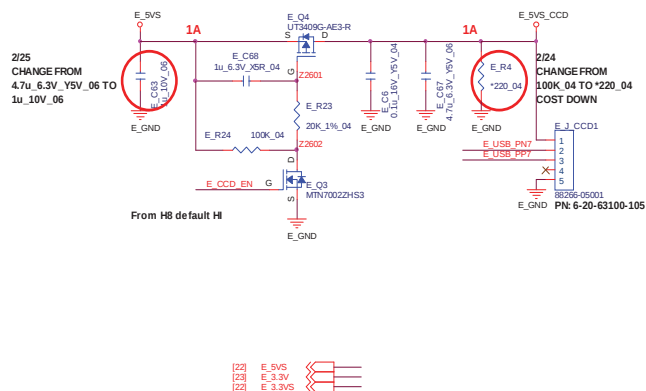
POWER SW CONN.



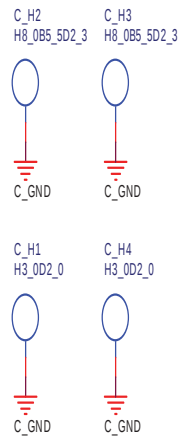
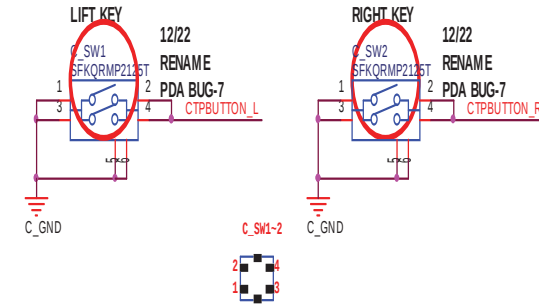
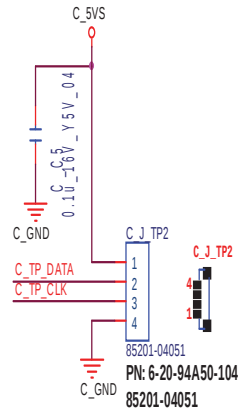
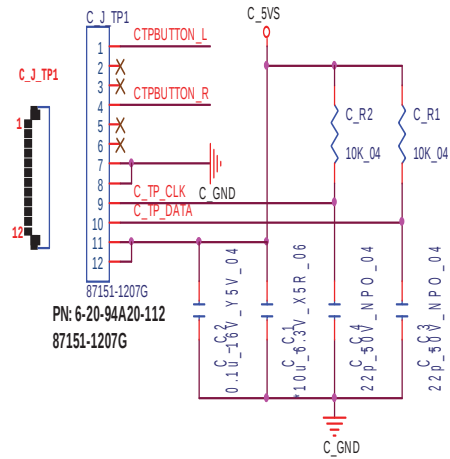
USB PORT_0&1



CCD CONN.

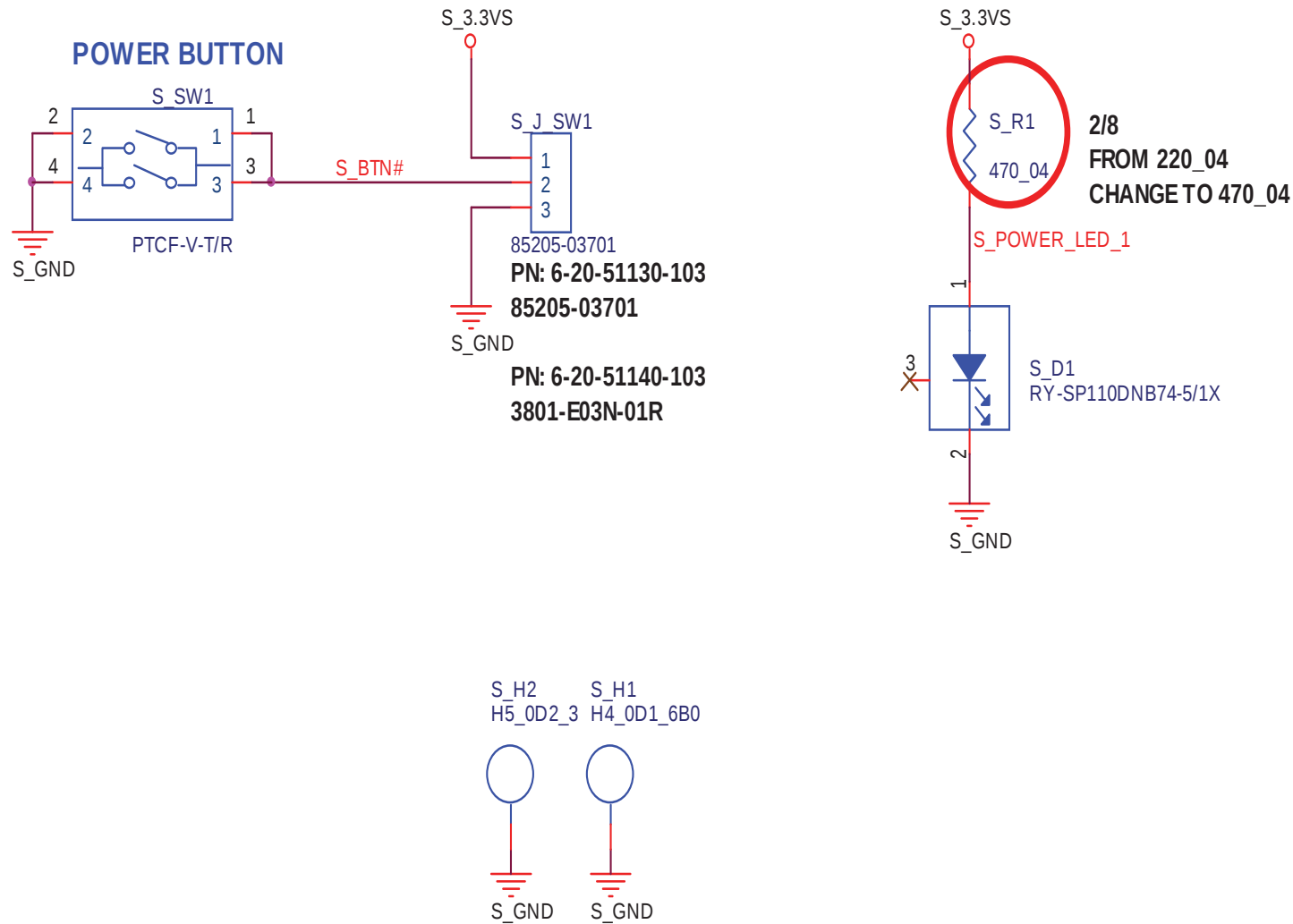


Click Board



Sheet 25 of 26
Click Board

Power Button Board



Sheet 26 of 26
Power Button
Board

Appendix C: Updating the FLASH ROM BIOS

To update the FLASH ROM BIOS you must:

- Download the BIOS update from the web site.
- Unzip the files onto a bootable CD/DVD/USB Flash Drive.
- Reboot your computer from an external CD/DVD/USB Flash Drive.
- Use the flash tools to update the flash BIOS using the commands indicated below.
- Restart the computer booting from the HDD and press **F2** at startup enter the BIOS.
- Load setup defaults from the BIOS and save the default settings and exit the BIOS to restart the computer.
- After rebooting the computer you may restart the computer again and make any required changes to the default BIOS settings.

Download the BIOS

1. Go to www.clevo.com.tw and point to **E-Services** and click **E-Channel**.
2. Use your user ID and password to access the appropriate download area (BIOS), and download the latest BIOS files (the BIOS file will be contained in a batch file that may be run directly once unzipped) for your computer model (see sidebar for important information on BIOS versions).

Unzip the downloaded files to a bootable CD/DVD/ or USB Flash drive

1. Insert a bootable CD/DVD/USB flash drive into the CD/DVD drive/USB port of the computer containing the downloaded files.
2. Use a tool such as Winzip or Winrar to unzip all the BIOS files and refresh tools to your bootable CD/DVD/USB flash drive (you may need to create a bootable CD/DVD with the files using a 3rd party software).

Set the computer to boot from the external drive

1. With the bootable CD/DVD/USB flash drive containing the BIOS files in your CD/DVD drive/USB port, restart the computer and press **F2** (in most cases) to enter the BIOS.
2. Use the arrow keys to highlight the **Boot** menu.
3. Use the “+” and “-” keys to move boot devices up and down the priority order.
4. Make sure that the CD/DVD drive/USB flash drive is set first in the boot priority of the BIOS.
5. Press **F10** to save any changes you have made and exit the BIOS to restart the computer.



BIOS Version

Make sure you download the latest correct version of the BIOS appropriate for the computer model you are working on.

You should only download BIOS versions that are **V1.01.XX or higher** as appropriate for your computer model.

Note that BIOS versions are not backward compatible and therefore **you may not downgrade your BIOS to an older version** after upgrading to a later version (e.g if you upgrade a BIOS to ver 1.01.05, you **MAY NOT** then go back and flash the BIOS to ver 1.01.04).

Use the flash tools to update the BIOS

1. Make sure you are not loading any memory management programs such as HIMEM by holding the **F8** key as you see the message “**Starting MS-DOS**”. You will then be prompted to give “**Y**” or “**N**” responses to the programs being loaded by DOS. Choose “**N**” for any memory management programs.
2. You should now be at the DOS prompt e.g: DISK C:\> (C is the designated drive letter for the CD/DVD drive/USB flash drive).
3. **Type the following command** at the DOS prompt:

C:\> Flash.bat

4. The utility will then proceed to flash the BIOS.
5. You should then be prompted to press any key to restart the system or turn the power off, and then on again but make sure you remove the CD/DVD/USB flash drive from the CD/DVD drive/USB port before the computer restarts.

Restart the computer (booting from the HDD)

1. With the CD/DVD/USB flash drive removed from the CD/DVD drive/USB port the computer should restart from the HDD.
2. Press **F2** as the computer restarts to enter the BIOS.
3. Use the arrow keys to highlight the **Exit** menu.
4. Select **Load Setup Defaults** (or press **F9**) and select “**Yes**” to confirm the selection.
5. Press **F10** to save any changes you have made and exit the BIOS to restart the computer.

Your computer is now running normally with the updated BIOS

You may now enter the BIOS and make any changes you require to the default settings.