

SERVICE MANUAL

DS100



DS100

Service Manual

Preface

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About this Manual

This manual is intended for service personnel who have completed sufficient training to undertake the maintenance and inspection of personal computers.

It is organized to allow you to look up basic information for servicing and/or upgrading components of the **DS100** series device.

The following information is included:

Chapter 1, Introduction, provides general information about the location of system elements and their specifications.
Chapter 2, Disassembly, provides step-by-step instructions for disassembling parts and subsystems and how to upgrade elements of the system.

Appendix A, Part Lists

Appendix B, Schematic Diagrams

Preface

Instructions for Care and Operation

The docking station is quite rugged, but it can be damaged. To prevent this, follow these suggestions:

- **Don't drop it, or expose it to shock.** If the device falls, the case and the components could be damaged.
- **Keep it dry, and don't overheat it.** Keep the device and power supply away from any kind of heating element. This is an electrical appliance. If water or any other liquid gets into it, the device could be badly damaged.
- **Avoid interference.** Keep the device away from high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage your data.
- **Follow the proper working procedures for the device.**

Servicing

Do not attempt to service the device yourself. Doing so may violate your warranty and expose you and the device to electric shock. Refer all servicing to authorized service personnel. Unplug the device from the power supply. Then refer servicing to qualified service personnel under any of the following conditions:

- When the power cord or AC/DC adapter is damaged or frayed.
- If the device has been exposed to any liquids.
- If the device does not work normally when you follow the operating instructions.
- If the device has been dropped or damaged.
- If there is an unusual odor, heat or smoke coming from your device.

Safety Information

- Only use an AC/DC adapter approved for use with this device.
- Before cleaning the device, make sure it is disconnected from any external power supplies, peripherals and cables.
- Use a soft clean cloth to clean the device, but do not apply cleaner directly to the device. Do not use volatile (petroleum distillates) or abrasive cleaners on any part of the device.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

Related Documents

You may also need to consult the following manual for additional information:

User's Manual on CD/DVD

This describes the device's features.

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Chapter 1: Introduction

Overview

The docking station provides your computer with an easy connectable desktop environment when portability is not required. This allows for easy connections to external displays, USB devices (with a full range of extra USB ports), audio devices and provides a battery charging facility.

The **DS100** series device is designed to be upgradeable. See [Disassembly on page 2 - 1](#) for a detailed description of the upgrade procedures for each specific component. Please take note of the warning and safety information indicated by the “” symbol.

The balance of this chapter reviews the device’s technical specifications and features.

Compatibility

Note that this docking station is compatible with particular compatible computer models with the appropriate docking connector only. Please contact your service center for full details.

Introduction

Specifications



Latest Specification Information

The specifications listed here are correct at the time of sending them to the press. Certain items (particularly processor types/speeds) may be changed, delayed or updated due to the manufacturer's release schedule. Check with your service center for more details.

Interface

Seven USB 2.0 Ports
(**Model B Only**) One External Monitor Port
(**Model B Only**) One DVI-D Out Port
One Headphone-Out Jack
One Microphone-In Jack
One S/PDIF-Out Jack
One RJ-45 LAN Jack
One Serial (COM) Port
One Docking Port
One DC-In Jack

=====

The Following Ports are included with the NVIDIA® Video Adapter

(**Model A Only**) One DVI-D Out Port
(**Model A Only**) One HDMI Out Port
(**Model A Only**) One Display Port

Storage

(**Model A Only**) One Changeable 2.5" 9.5 mm (h) SATA HDD

Video Adapter

(**Model A Only**) NVIDIA® Quadro FX 880M Video Card
1GB GDDR3 Video RAM
Supports Microsoft DirectX® 10.1

Security

Security (Kensington® Type) Lock Slot

Power

Model A:

Full Range AC/DC Adapter
AC Input: 100 - 240V, 50 - 60Hz
DC Output: 19V, 6.3A (**120W**)

Model B:

Full Range AC/DC Adapter
AC Input: 100 - 240V, 50 - 60Hz
DC Output: 19V, 4.74A (**90W**)

Environmental Spec

Temperature

Operating: 5°C - 35°C
Non-Operating: -20°C - 60°C

Relative Humidity

Operating: 20% - 80%
Non-Operating: 10% - 90%

Dimensions & Weight

300mm (w) * 195mm (d) * 39.5mm (h)

Model A:

974g (Included VGA card and HDD)
808g (With VGA card and Without HDD)

Model B:

634g

External Locator - Front & Right Side Views

FRONT VIEW



Figure 1
Front View

1. Power Button LED
2. Backup Button
(Model A Only)
3. Eject Button
4. Docking Port
5. Retaining Pins
6. Eject Pins

RIGHT SIDE VIEW



Figure 2
Right Side View

1. Eject Button
2. Lock Switch LED
3. Lock Switch

Introduction

External Locator - Left Side & Rear View

Figure 3
Left Side View

1. Vent
2. USB 2.0 Ports

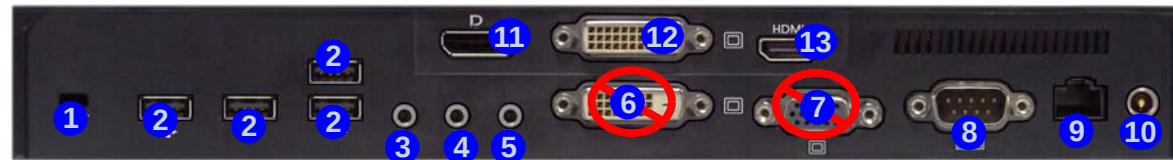
LEFT SIDE VIEW



Figure 4
Rear View

1. Security Lock Slot
2. USB 2.0 Ports
3. Headphone Jack
4. Microphone Jack
5. S/PDIF-Out Jack
6. DVI-D Out Port (Digital) - **(Model B Only)**
7. External Monitor Port **(Model B Only)**
8. Serial (COM) Port
9. RJ-45 LAN Jack
10. DC-In Jack

Model A (Rear View with Video Controller)



Model B (Rear View without Video Controller)



The following ports are provided with the NVIDIA video adapter:

11. Display Port
12. DVI-D Out Port (Digital)
13. HDMI-Out Port

Mainboard Overview - Top (Key Parts)

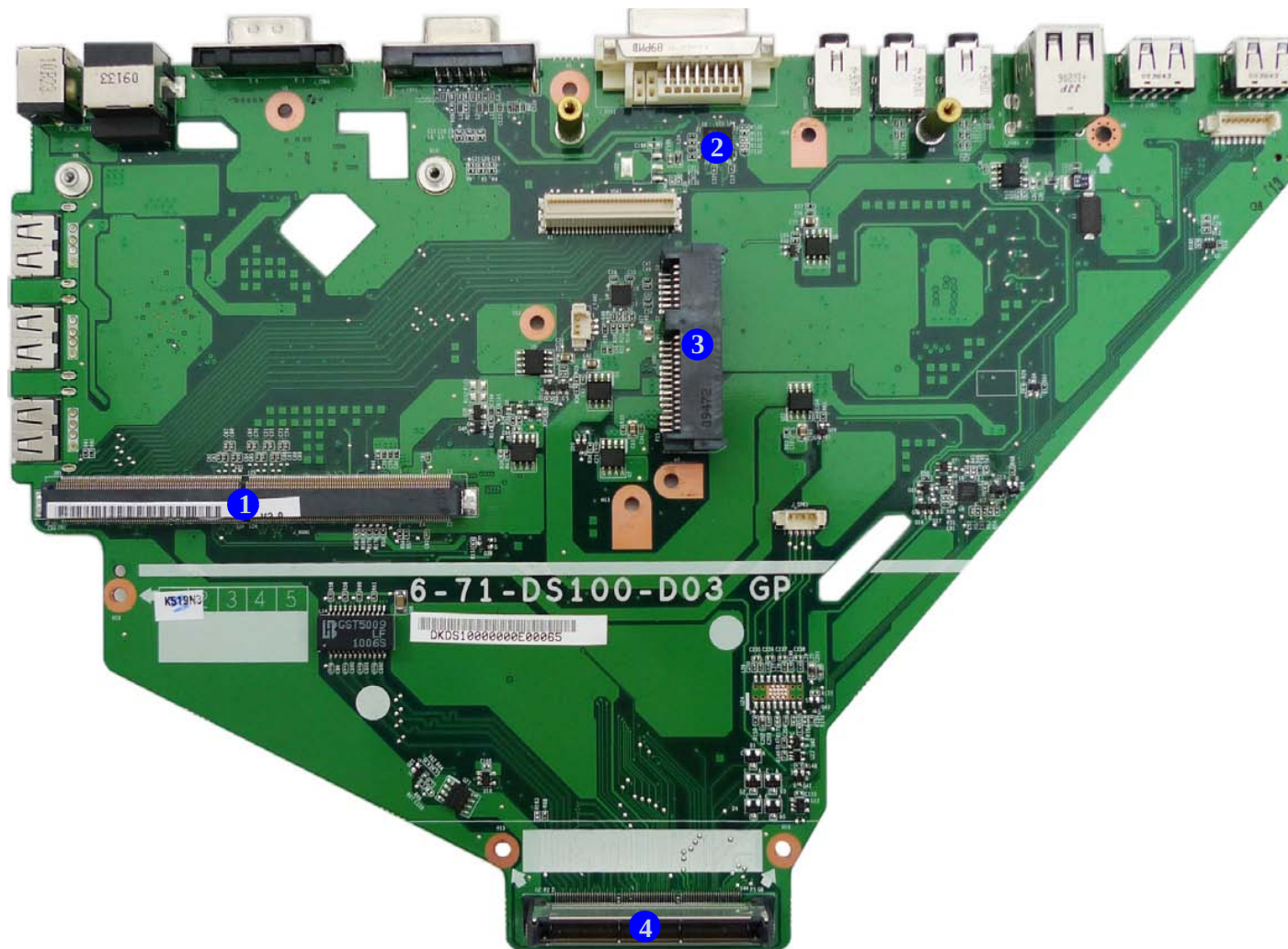


Figure 5
**Mainboard Top
Key Parts**

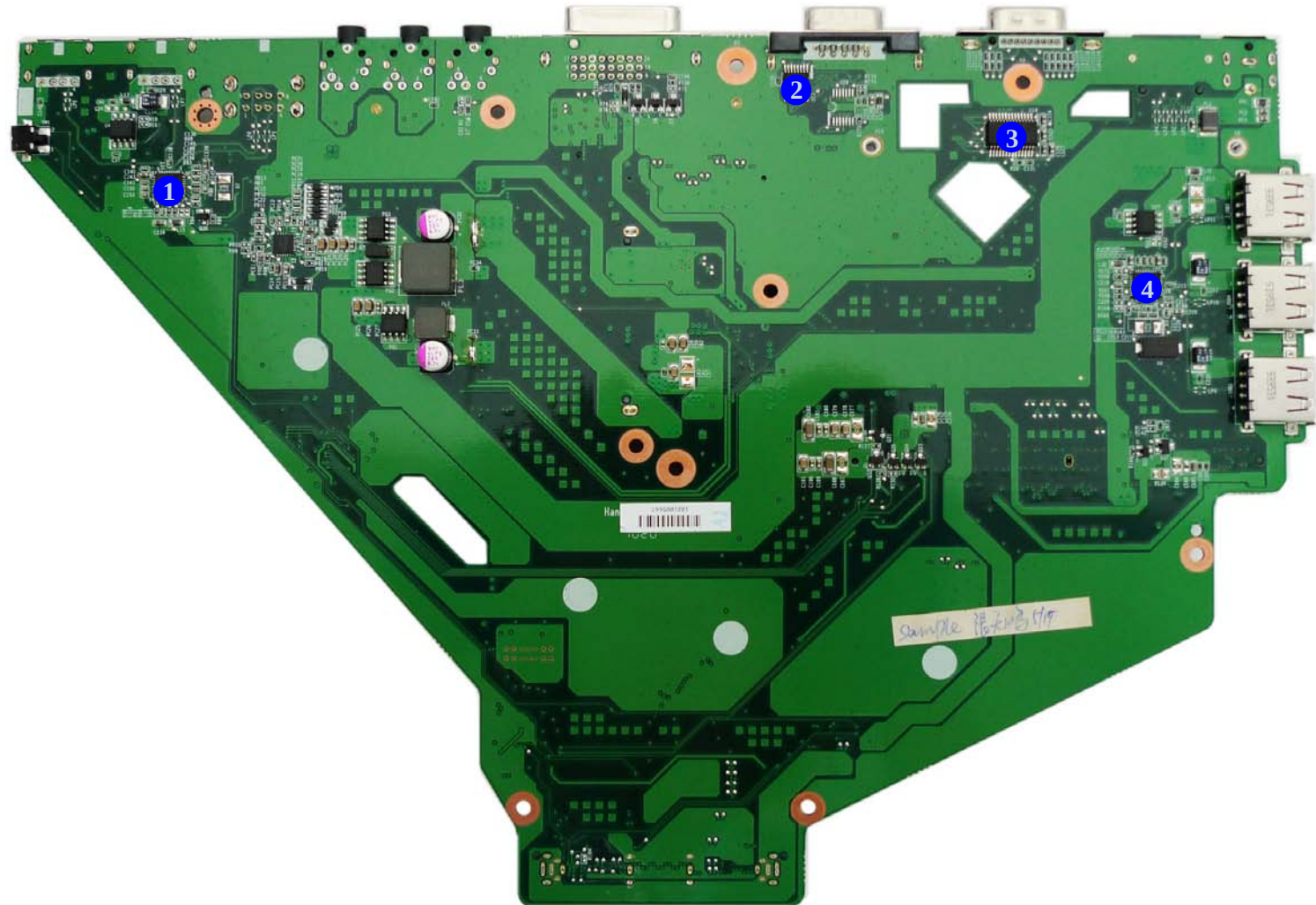
1. VGA Card Connector
2. System DVI-D
3. Hard Disk Connector
4. Docking Connector

Introduction

Figure 6
**Mainboard Bottom
Key Parts**

1. USB 2.0 HUB-1
2. System CRT
3. COM Port
4. USB 2.0 HUB-2

Mainboard Overview - Bottom (Key Parts)



Mainboard Overview - Top (Connectors)

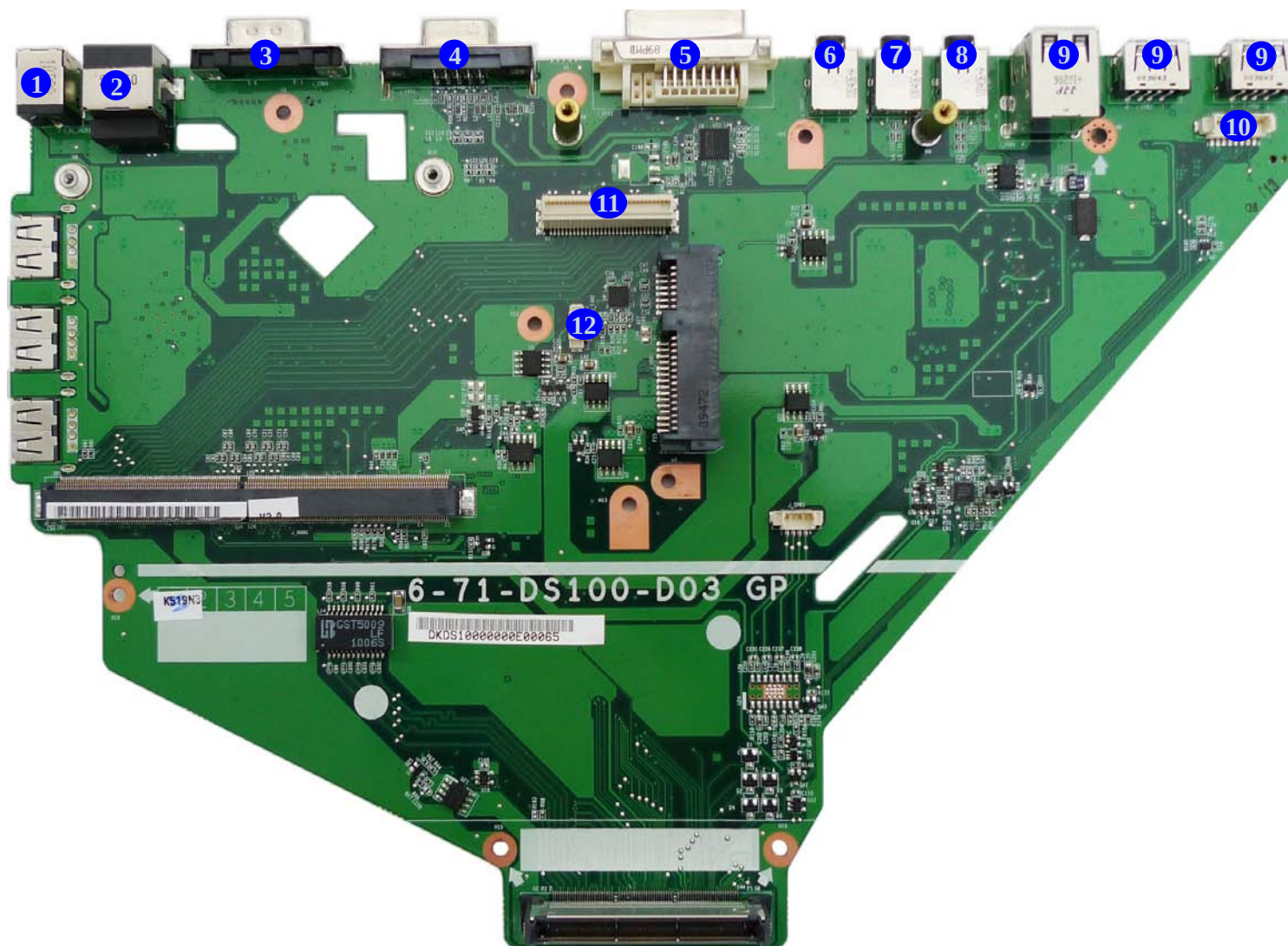


Figure 7
Mainboard Top
Connectors

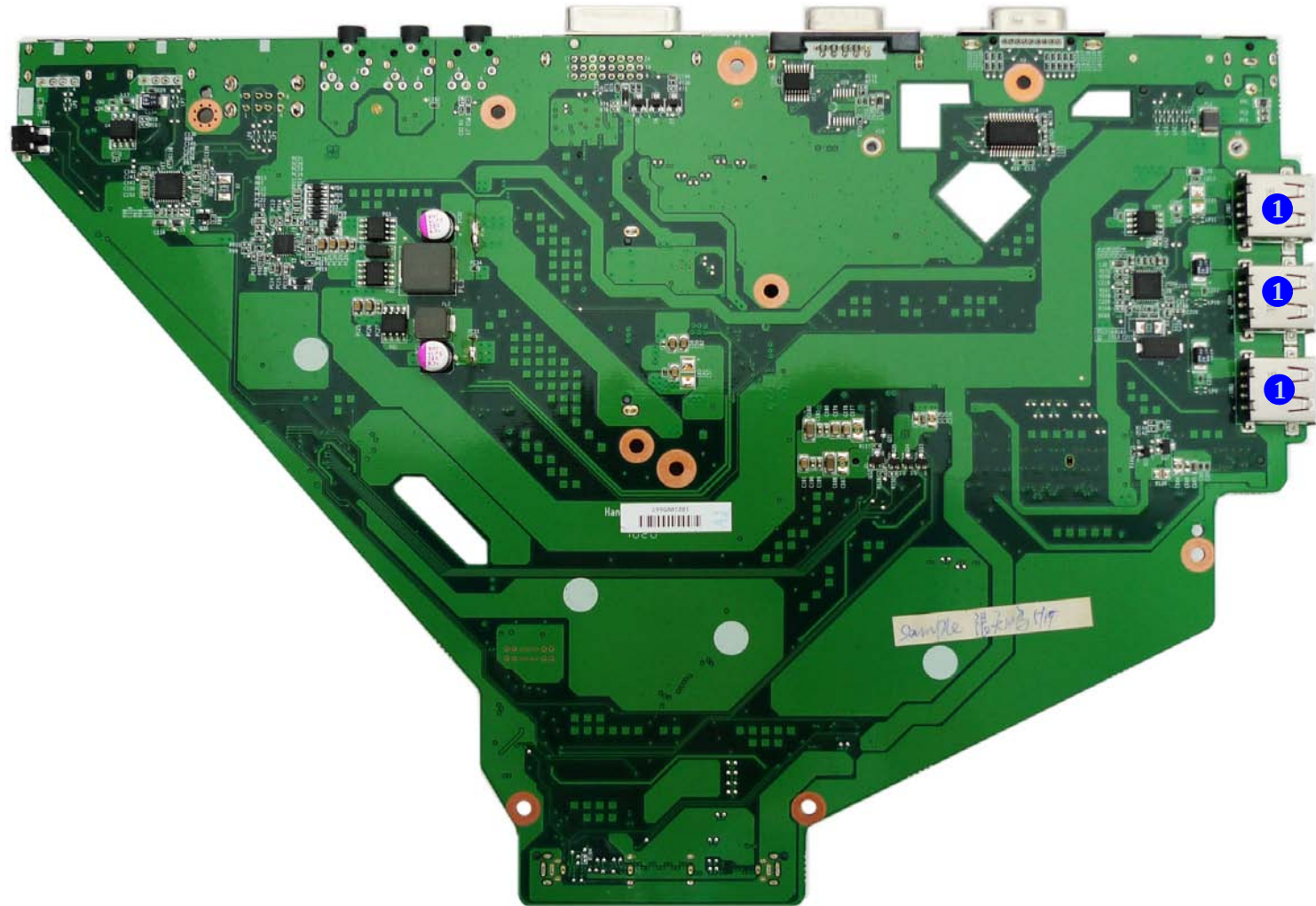
1. DC-In Jack
2. RJ-45 LAN Jack
3. Serial (COM) Port
4. External Monitor Port (**Model B Only**)
5. DVI-D Out Port (Digital) - (**Model B Only**)
6. S/PDIF-Out Jack
7. Microphone Jack
8. Headphone Jack
9. USB 2.0 Ports
10. Power Connector
11. VGA Connector
12. Fan Connector

Introduction

Figure 8
**Mainboard Bottom
Connectors**

1. USB 2.0 Ports

Mainboard Overview - Bottom (Connectors)



Chapter 2: Disassembly

Overview

This chapter provides step-by-step instructions for disassembling the **DS100** series device's parts and subsystems. When it comes to reassembly, reverse the procedures (unless otherwise indicated).

We suggest you completely review any procedure before you take the device apart.

Procedures such as upgrading/replacing the hard disk are included in the User's Manual but are repeated here for your convenience.

To make the disassembly process easier each section may have a box in the page margin. Information contained under the figure # will give a synopsis of the sequence of procedures involved in the disassembly procedure. A box with a  lists the relevant parts you will have after the disassembly process is complete. **Note:** The parts listed will be for the disassembly procedure listed ONLY, and not any previous disassembly step(s) required. Refer to the part list for the previous disassembly procedure. The amount of screws you should be left with will be listed here also.

A box with a  will also provide any possible helpful information. A box with a  contains warnings.

An example of these types of boxes are shown in the sidebar.


Information

Warning

Disassembly

NOTE: All disassembly procedures assume that the system is turned **OFF**, and disconnected from any power supply.

Maintenance Tools

The following tools are recommended when working on the device:

- M3 Philips-head screwdriver
- M2.5 Philips-head screwdriver (magnetized)
- M2 Philips-head screwdriver
- Small flat-head screwdriver
- Pair of needle-nose pliers
- Anti-static wrist-strap

Maintenance Precautions

The following precautions are a reminder. To avoid personal injury or damage to the device while performing a removal and/or replacement job, take the following precautions:

1. **Don't drop it.** Perform your repairs and/or upgrades on a stable surface. If the device falls, the case and other components could be damaged.
2. **Don't overheat it.** Note the proximity of any heating elements. Keep the device out of direct sunlight.
3. **Avoid interference.** Note the proximity of any high capacity transformers, electric motors, and other strong magnetic fields. These can hinder proper performance and damage components and/or data. You should also monitor the position of magnetized tools (i.e. screwdrivers).
4. **Keep it dry.** This is an electrical appliance. If water or any other liquid gets into it, the device could be badly damaged.
5. **Be careful with power.** Avoid accidental shocks, discharges or explosions.
 - Before removing or servicing any part from the device, turn the device off and detach any power supplies.
 - When you want to unplug the power cord or any cable/wire, be sure to disconnect it by the plug head. Do not pull on the wire.
6. **Peripherals** – Turn off and detach any peripherals.
7. **Beware of static discharge.** ICs, such as the CPU and main support chips, are vulnerable to static electricity. Before handling any part in the device, discharge any static electricity inside the device. When handling a printed circuit board, do not use gloves or other materials which allow static electricity buildup. We suggest that you use an anti-static wrist strap instead.
8. **Beware of corrosion.** As you perform your job, avoid touching any connector leads. Even the cleanest hands produce oils which can attract corrosive elements.
9. **Keep your work environment clean.** Tobacco smoke, dust or other air-born particulate matter is often attracted to charged surfaces, reducing performance.
10. **Keep track of the components.** When removing or replacing any part, be careful not to leave small parts, such as screws, loose inside the device.

Cleaning

Do not apply cleaner directly to the device, use a soft clean cloth.

Do not use volatile (petroleum distillates) or abrasive cleaners on any part of the device.



Power Safety Warning

Before you undertake any upgrade procedures, make sure that you have turned off the power, and disconnected all peripherals and cables (including telephone lines). It is advisable to also remove your battery in order to prevent accidentally turning the machine on.

Disassembly

Figure 1
**HDD Assembly
Removal**

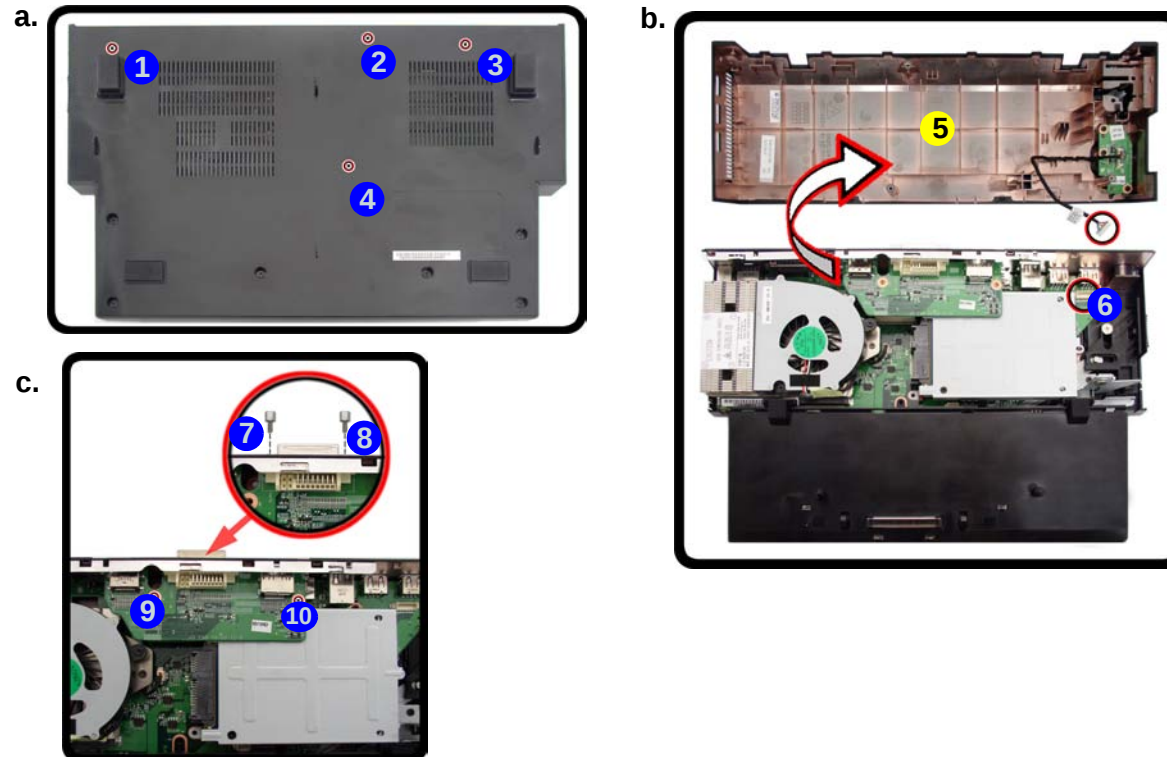
- Remove the screws.
- Turn it over, remove the top cover and disconnect the cable.
- Remove the screws.

Removing the Hard Disk Drive

The hard disk drive can be taken out to accommodate other 2.5" serial (SATA) hard disk drives with a height of 9.5mm (h). Follow your operating system's installation instructions, and install all necessary drivers and utilities (as outlined in **User's Manual**) when setting up a new hard disk.

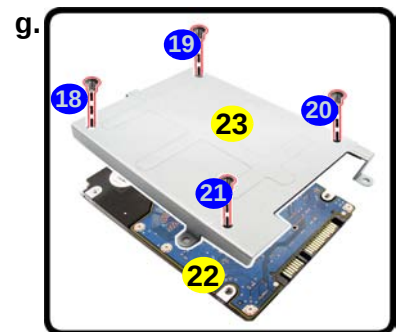
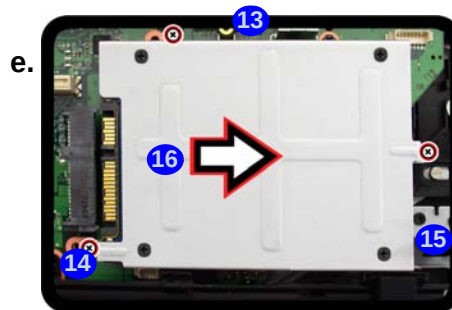
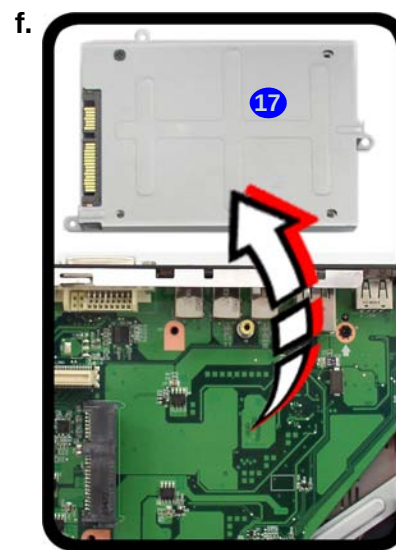
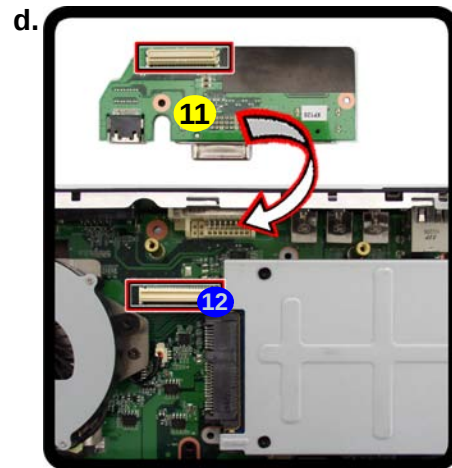
Hard Disk Upgrade Process

- Turn **off** the device, and remove screws **1** - **4** from the bottom case.
- Turn it over, remove the top cover **5** and carefully disconnect cable **6** (cable is attached to the under side of the cover)
- Remove screws **7** - **10**.



5. Top cover
- 8 Screws

4. Carefully separate the Display output board **11** from the connector **12**.
5. Remove screws **13** - **15** and slide the hard disk in the direction of arrow **16**.
6. Lift the hard disk assembly **17** out of the compartment.
7. Remove the screws **18** - **21** to separate the hard disk **22** from the bracket **23**.
8. Reverse the process to install a new hard disk (do not forget to replace all the screws and covers).



HDD System Warning

New HDD's are blank. Before you begin make sure:

You have backed up any data you want to keep from your old HDD.

You have all the CD-ROMs and FDDs required to install your operating system and programs.

If you have access to the internet, download the latest application and hardware driver updates for the operating system you plan to install. Copy these to a removable medium.

Figure 2
HDD Assembly Removal (cont'd.)

- d. Separate the VGA board from the connector.
- e. Remove screws and slide the hard disk in the direction of arrow.
- f. Lift the HDD assembly out of the bay.
- g. Remove the screws to separate the hard disk from the bracket

11. Display Output Board
22 HDD
23 Bracket

- 8 Screws

Disassembly

Figure 3 Video Card Removal Procedure

- Remove the fan screws and fan cable.
- Remove the fan unit.
- Remove the screws in the correct order.



Caution

The heat sink, and video card area in general, contains parts which are subject to high temperatures. Allow the area time to cool before removing these parts.



5. Fan Unit

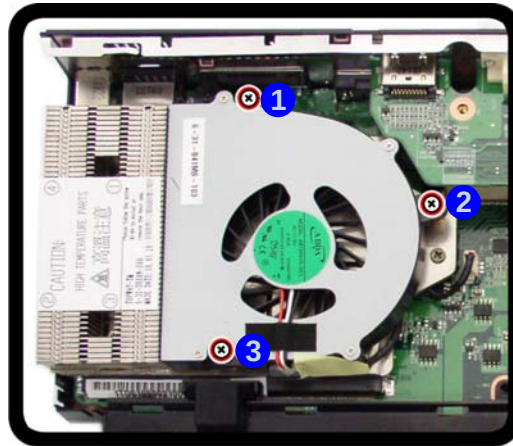
- 8 Screws

Removing the Video Card

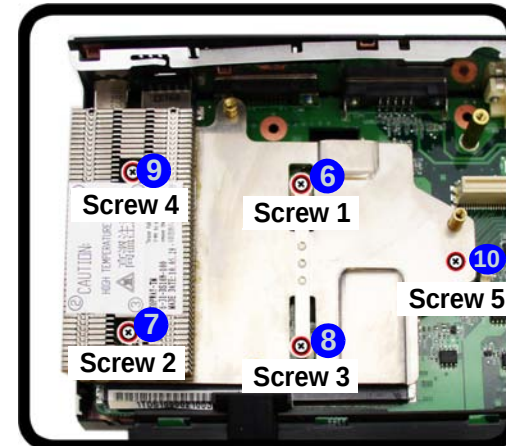
Video Card Removal Procedure

- Turn **off** the device, turn it over and remove the hard disk ([page 2 - 4](#)).
- Remove screws **1** - **3** ([Figure 3a](#)).
- Disconnect fan cable **4** and remove the fan unit **5** ([Figure 3b](#)).
- Remove screws **6** - **10** from the heat sink unit in the order indicated on the label (i.e screw **4** first through to screw **1** last [Figure 3c](#)).

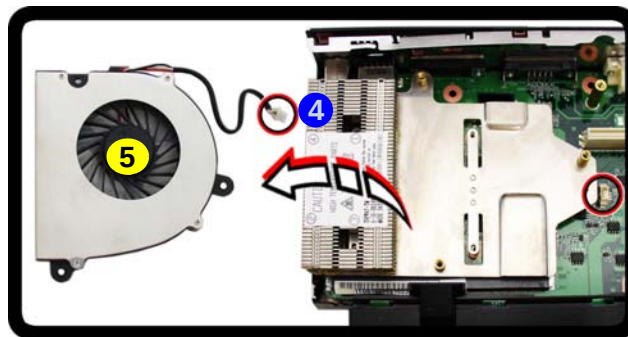
a.



c.



b.



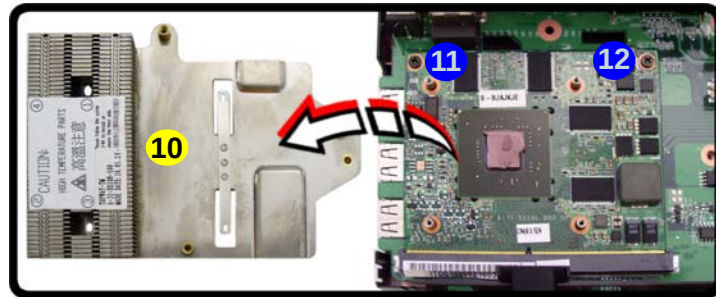
Heat Sink Screw Removal and Insertion

Remove the screws from the heat sink in the order indicated here: **4-3-2-1**.

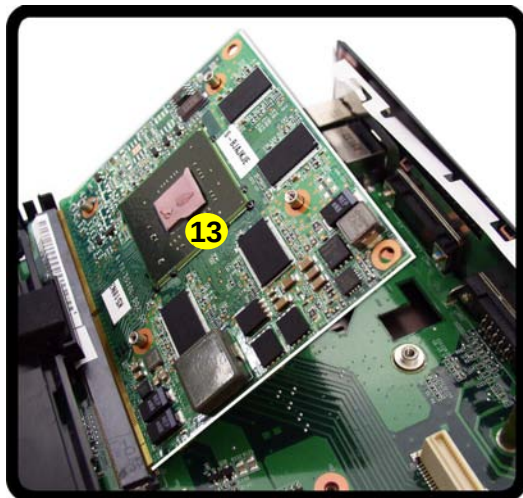
When tightening the screws, make sure that they are tightened in the order: **1-2-3-4**.

5. Carefully (it may be hot) remove the heat sink unit **10** (Figure 4d).
6. Remove screws **11** & **12** from the video card **13** (Figure 4d).
7. The video card **13** will pop up (Figure 4e).
8. Remove the video card **13** (Figure 4f).

d.



e.



f.

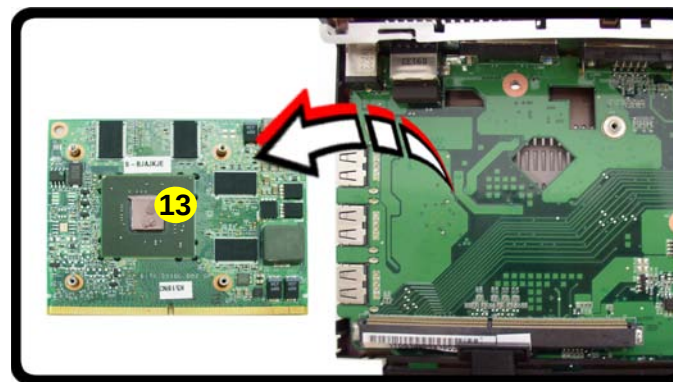


Figure 4
**Video Card
Removal (cont'd)**

- d. Carefully remove the heat sink unit. Remove the video card screws.
- e. The video card will pop up.
- f. Remove the video card.



Caution

The heat sink, and video card area in general, contains parts which are subject to high temperatures. Allow the area time to cool before removing these parts.



10. Heatsink Unit
13. Video Card

- 2 Screws

Appendix A:Part Lists

This appendix breaks down the *DS100* series device’s construction into a series of illustrations. The component part numbers are indicated in the tables opposite the drawings.

Note: This section indicates the *manufacturer’s* part numbers. Your organization may use a different system, so be sure to cross-check any relevant documentation.

Note: Some assemblies may have parts in common (especially screws). However, the part lists DO NOT indicate the total number of duplicated parts used.

Note: Be sure to check any update notices. The parts shown in these illustrations are appropriate for the system at the time of publication. Over the product life, some parts may be improved or re-configured, resulting in *new* part numbers.

Part Lists

Part List Illustration Location

The following table indicates where to find the appropriate part list illustration.

Table A - 1
**Part List Illustration
Location**

Part	DS100
Top and Bottom with VGA	<i>page A - 3</i>
Top and Bottom without VGA	<i>page A - 4</i>
HDD	<i>page A - 5</i>

Top and Bottom with VGA

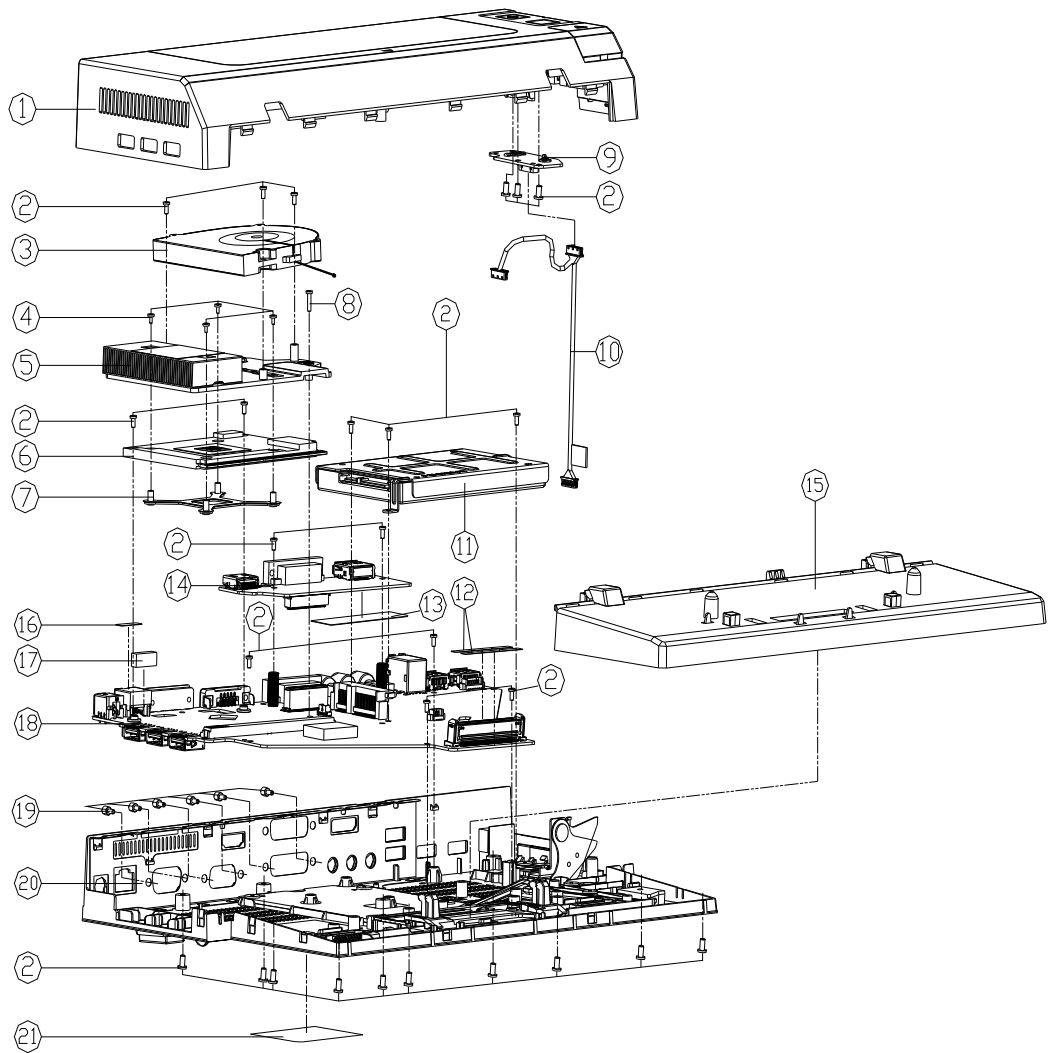


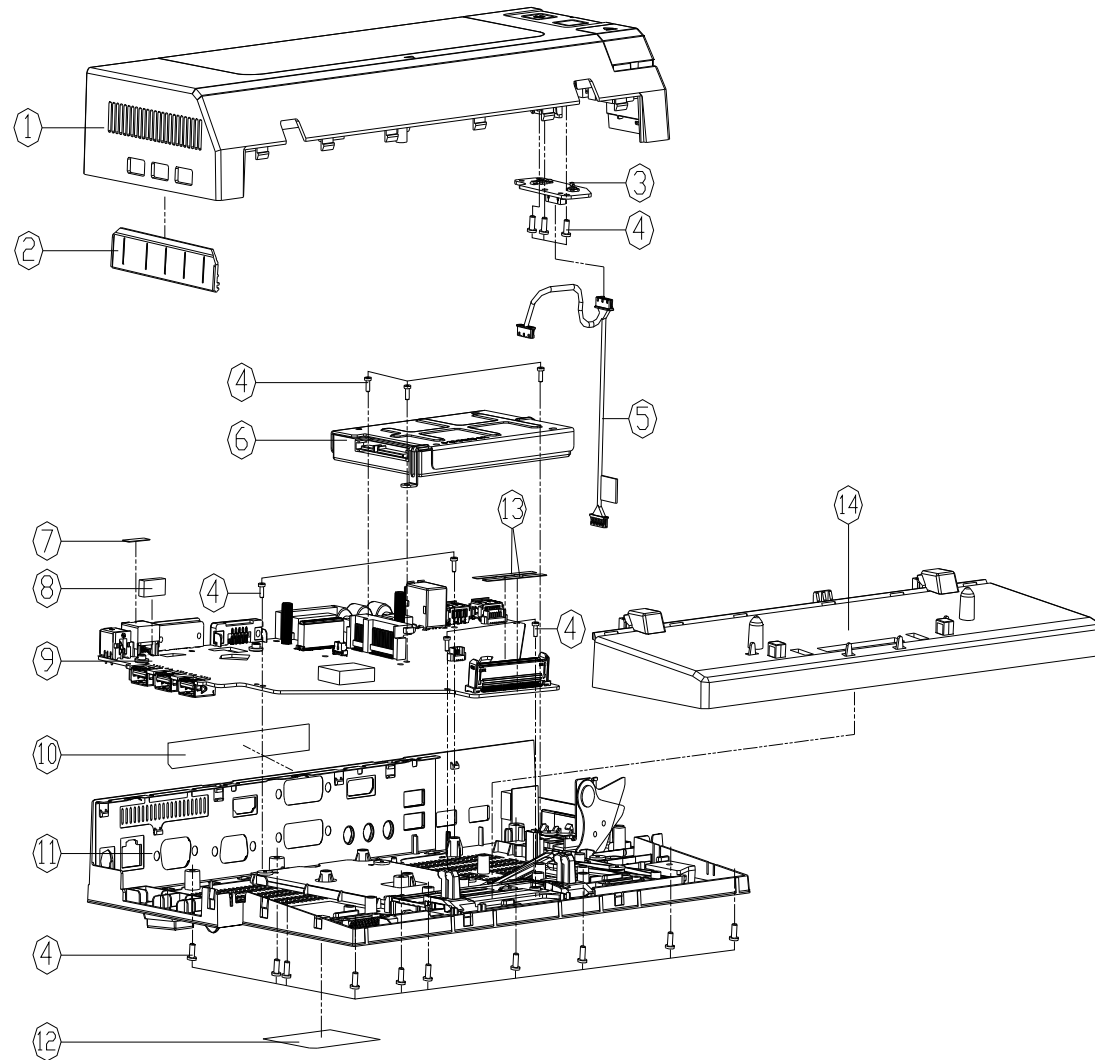
Figure A - 1
Top and Bottom
with VGA

ITEM	PART NAME	PART NO	REMARK
1	TOP REAR MODULE DS100	6-42-DS102-701	
2	SCREW M2.5*6L K BZ ICT NY	6-35-82125-6RA	
3	FAN MODULE B4100MMP DESIGN CHANGE	6-31-B41MS-103	
4	SCREW M1.6*3.5L KIT=12 D=4.5 BZ ICT NY	6-35-82116-3R5	
5	VGA HEATSINK MODULE DS100	6-31-DS10N-101	
6	VGA BOARD V28 NVIDIA N10P-GLM WM-III TYP	6-77-DS10L-102-1	
7	VGA SUPPORTER SUS430 W860CU	6-33-W860S-030	
8	SCREW M2.5*12L KI BK/Z ICT NY	6-35-B6125-120	
9	SWITCH BOARD V2.0A DS100	6-77-DS10S-D02A	
10	WIRE CABLE 8PIN M8 TO SWITCH BOARD 17MM FOR DS100 RL	6-43-DS100-010	
11	W/HDD ASS'Y DS100	6-79-DS10000J-010	
12	MYLAR DOCKING CONN PET DS100	6-40-DS10S-040	
13	MYLAR OUTPUT PCB PET DS100	6-40-DS10S-010	
14	DGPU OUTPUT BOARD V3.0 DS100	6-77-DS10S-D04	
15	TOP FRONT MODULE DS100	6-42-DS102-502	
16	MYLAR RJ45 PET DS100	6-40-DS10S-020	
17	SPONGE RJ45 PORON ML32 DS100	6-47-DS10S-010	
18	MAIN BOARD V3.0 DS100	6-77-DS100-D04	
19	HEX STUD CSUM22 NI-PL 1MM GY-PATCH	6-34-07009-012	
20	BOTTOM CASE MODULE DS100	6-42-DS103-202	
21	PRODUCT LABEL FOR DS100	6-45-DS100003-010	

Part Lists

Top and Bottom Without VGA

Figure A - 2
Top and Bottom
Without VGA



ITEM	PART NAME	PART NO	REMARK
1	TOP REAR MODULE DS100	6-42-DS102-701	
2	THERMAL HOLE COVER PC+ABS DS100	6-42-DS102-021	
3	SWITCH BOARD V2.0A DS100	6-77-DS10S-D02A	
4	SCREW M2.5*6L K BZ ICT NY	6-35-82125-6RA	
5	WIRE CABLE OPEN W/ID TO SWITCH BOARD 17MM FOR DS100 HL	6-43-DS100-010	
6	W/HDD ASS'Y DS100	6-79-DS10000J-010	
7	MYLAR RJ45 PET DS100	6-40-DS10S-020	
8	SPONGE RJ45 PORDN ML32 DS100	6-47-DS10S-010	
9	MAIN BOARD V3.0 (W/D VGA) DS100	6-77-DS100-D03-1	
9	MAIN BOARD V4.0(W/D VGA; W/D HDD) DS101	6-77-DS110-D04	
10	ID MYLAR PC870 DS100	6-40-DS103-011	
11	BOTTOM CASE MODULE DS100	6-42-DS103-202	
12	PRODUCT LABEL FOR DS100	6-45-DS100003-010	
12	PRODUCT LABEL FOR DS101	6-45-DS101003-010	
13	MYLAR DOCKING CONN PET DS100	6-40-DS10S-040	
14	TOP FRONT MODULE DS100	6-42-DS102-502	

HDD

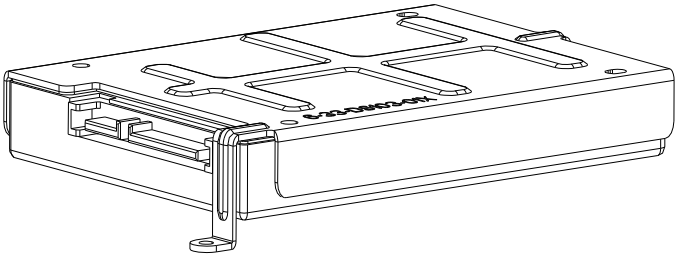
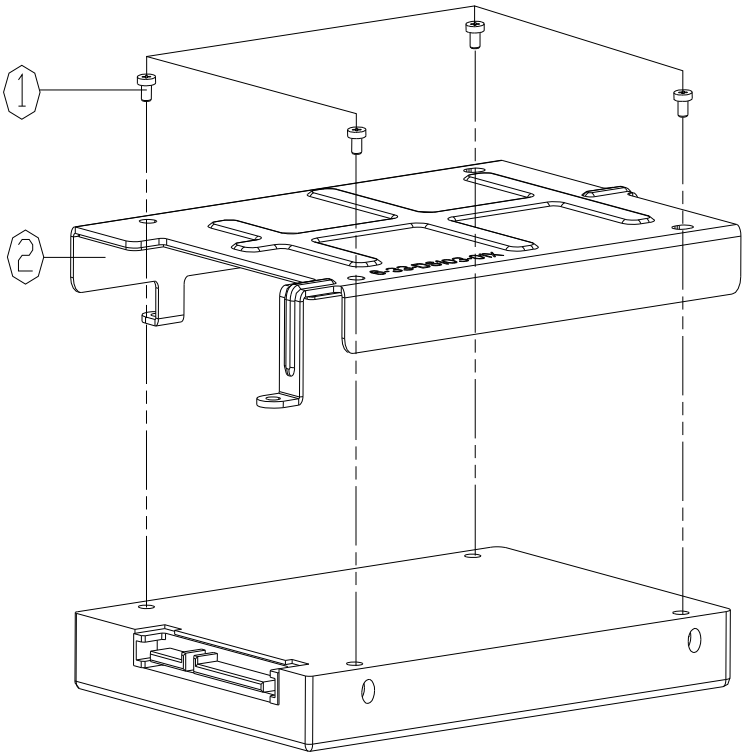


Figure A - 3
HDD

ITEM	PART NAME	PART NO	REMARK
1	SCREW M3*4L KI BZ ICT NY (D=4.8 T=0.5)	6-35-B6130-4RB	
2	HDD BRACKET MODULE DS100	6-33-DS10J-100	

Appendix B: Schematic Diagrams

This appendix has circuit diagrams of the **DS100** device's PCBs. The following table indicates where to find the appropriate schematic diagram.

Diagram - Page	Diagram - Page	Diagram - Page
<i>System Block Diagram - Page B - 2</i>	<i>USB 2.0 HUB-2 - Page B - 8</i>	<i>dGPU Output B'd, HDMI, DVI - Page B - 14</i>
<i>MXM 3.0 - Page B - 3</i>	<i>Ext. GPIO, Key Lock - Page B - 9</i>	<i>dGPU Output B'd, DP - Page B - 15</i>
<i>SATA HDD, MXM VGA Out - Page B - 4</i>	<i>Main Power, Power OK - Page B - 10</i>	<i>Power BTN, LED B'd - Page B - 16</i>
<i>System DVI-D, CRT - Page B - 5</i>	<i>VDD3, VDD5 - Page B - 11</i>	
<i>RJ-45, Fan, Phone Jack - Page B - 6</i>	<i>COM Port, Audio AMP - Page B - 12</i>	
<i>USB 2.0 HUB-1 - Page B - 7</i>	<i>Docking CONN (144 Pins) - Page B - 13</i>	

Table B - 1
**SCHEMATIC
DIAGRAMS**



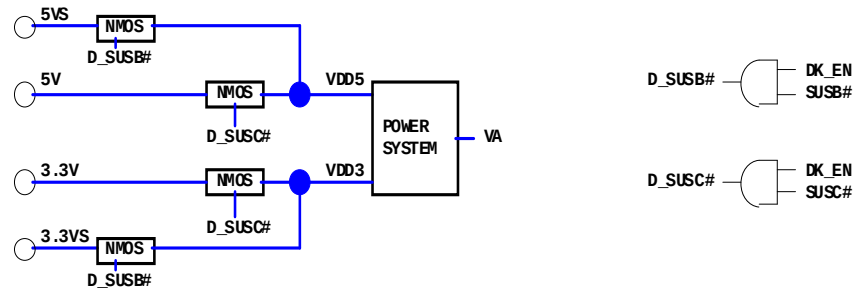
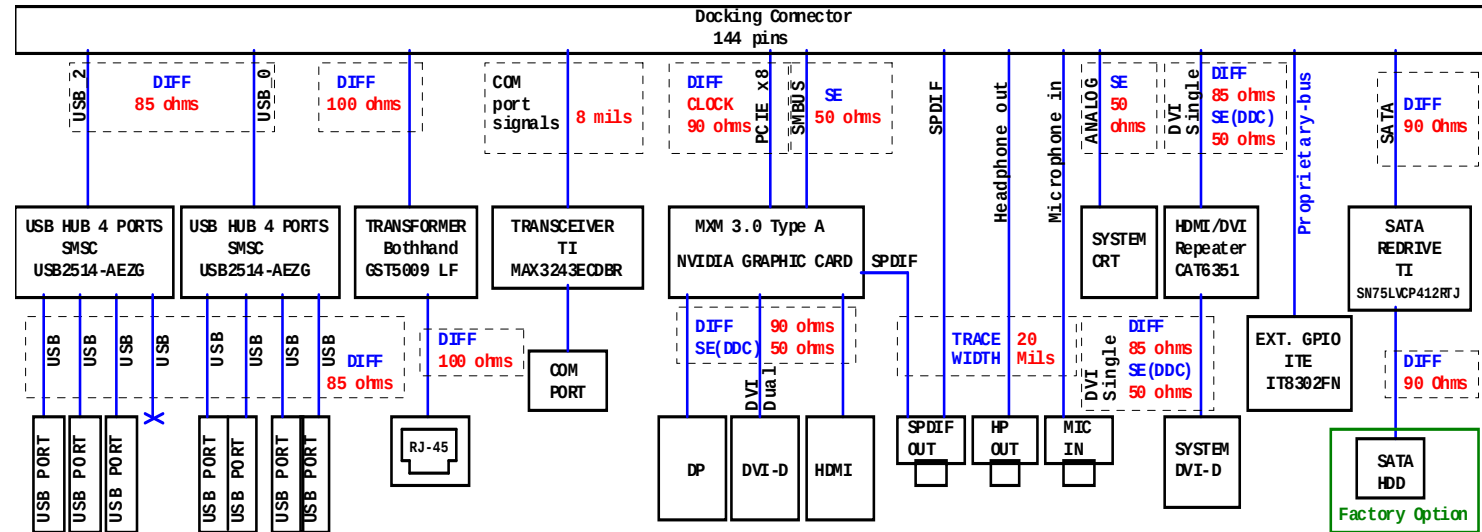
Version Note

The schematic diagrams in this chapter are based upon version 6-7P-DS104-004. If your mainboard (or other boards) are a later version, please check with the Service Center for updated diagrams (if required).

System Block Diagram

DS100 BLOCK DIAGRAM

Sheet 1 of 18
System Block
Diagram



MXM 3.0

MXM 3.0

PWR_SRC(1.0A)-7-20V
5VRUN(2.5A)-5V
3VRUN(1A)-3.3V

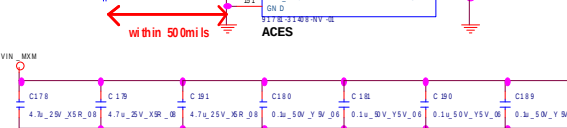
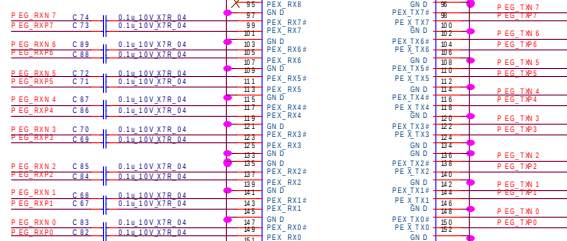
RA
Low swing Unstuff
High swing Stuff

RA
R40 10k, 0.4
PEX_STB_SW#1

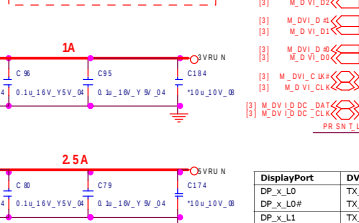
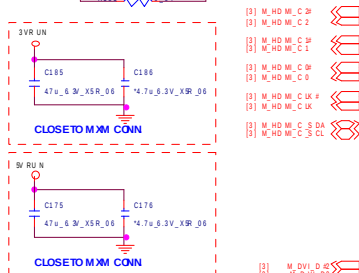
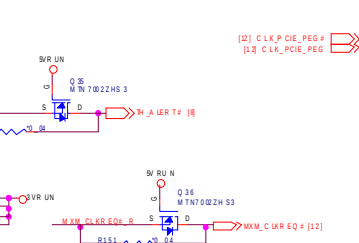
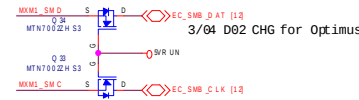
[5] D_P,CEC

[5] SPD IF-OUT

VIN_MXM
C188 10k, 2W, 12
C187 10k, 2W, 12
CLOSETOMXM PIN EL



PRSN_T_R#	PRSN_T_L#	MXM_PRSN_T
L	L	H
L	H	L
H	H	L
H	L	L



DisplayPort	DVI/HDMI
DP_X_L0#	TX_X_D2#
DP_X_L1#	TX_X_D1#
DP_X_L2	TX_X_D0
DP_X_L3#	TX_X_CLK#
DP_X_AUX	DDC_X_CLK#
DP_X_AUX#	DDC_X_DATA

MXM 3.0 MODULE BOARD CONNECTOR

ACES

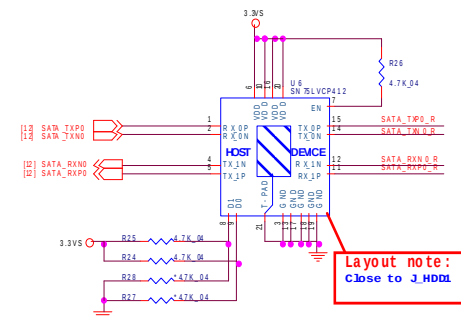
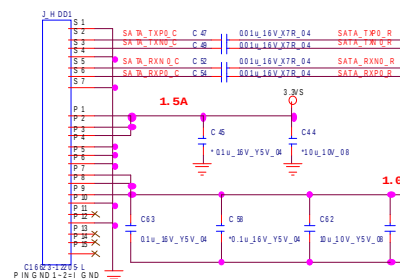
3V
5VRUN
VIN_MXM

Sheet 2 of 18
MXM 3.0

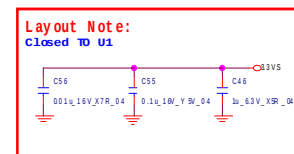
B.Schematic Diagrams

SATA HDD, MXM VGA Out

SINGLE SATA HDD



Layout note:
Close to J_HDMI

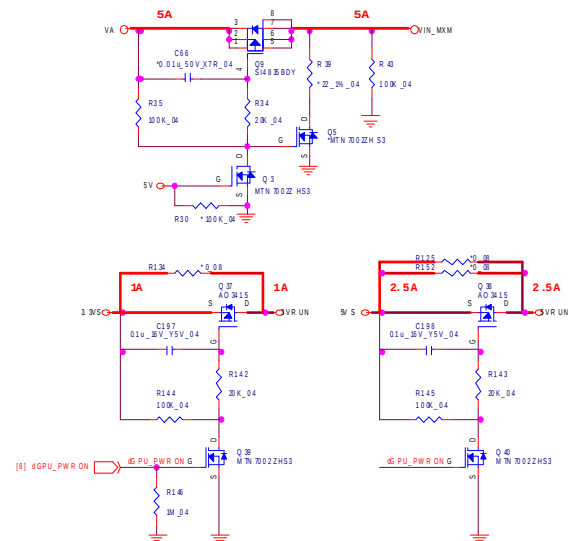
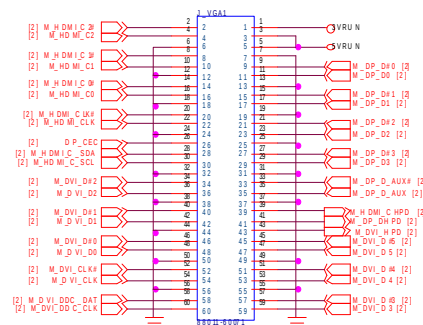


Layout Note:
Closed TO U1

	U1	R16 R17 R18 R19	RN1 RN2	R15 R20 R21	C56 C57 C58	D0 D1	Function
						0 0	CH0 & CH1 -> 0 dB
W/ Re-drive	V	0 0 0 J	X	V	V	1 0	CH0 -> 5 dB CH1 -> 0 dB
						0 1	CH0 -> 0 dB CH1 -> 5 dB
W/O Re-drive	X	0 ohm	V	X	X	1 1	CH0 -> 5 dB CH1 -> 5 dB

Sheet 3 of 18
SATA HDD, MXM
VGA Out

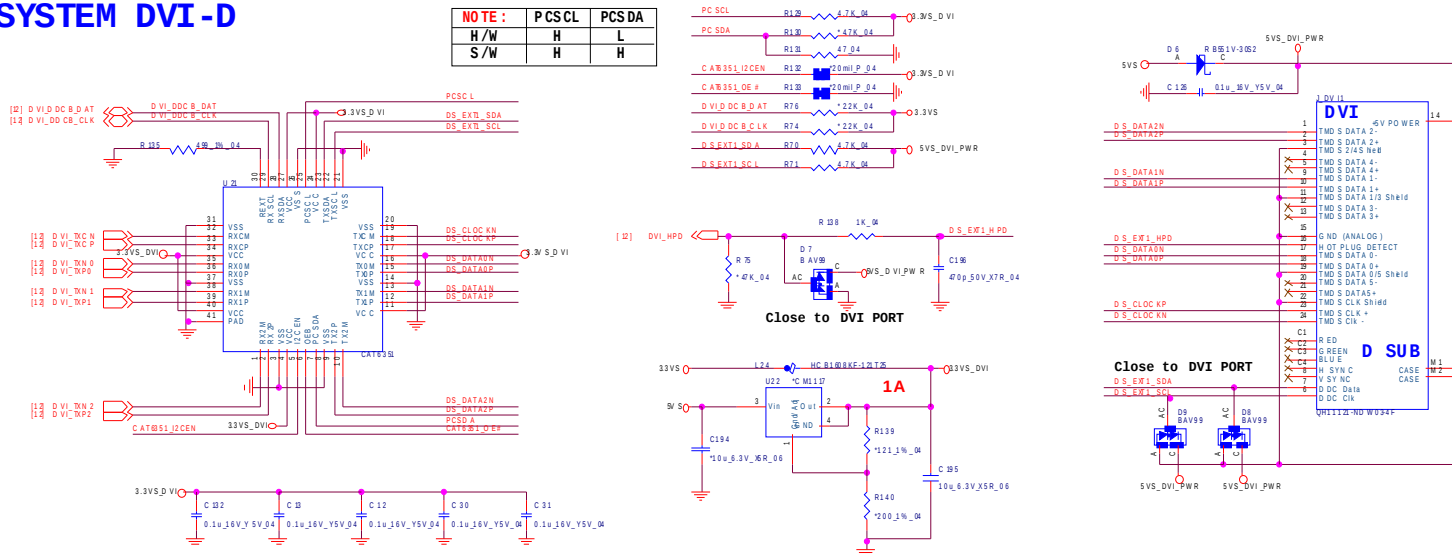
MXM VGA OUT & POWER SWITCH



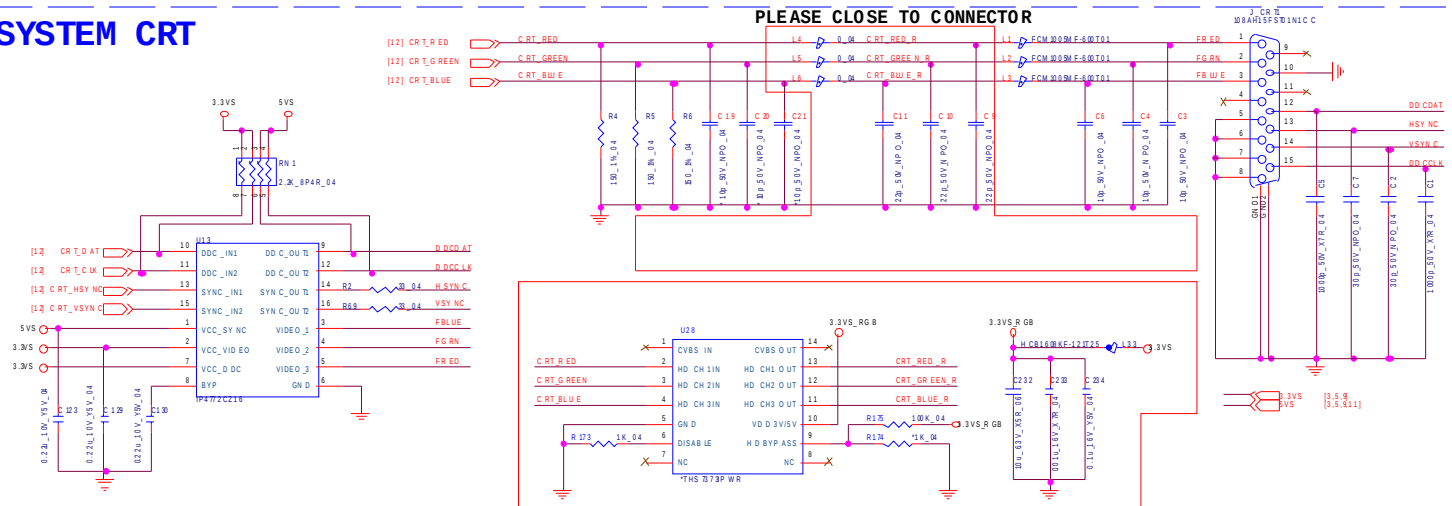
System DVI-D, CRT

SYSTEM DVI-D

NOTE :	PCSC L	PCSDA
H/W	H	L
S/W	H	H



SYSTEM CRT

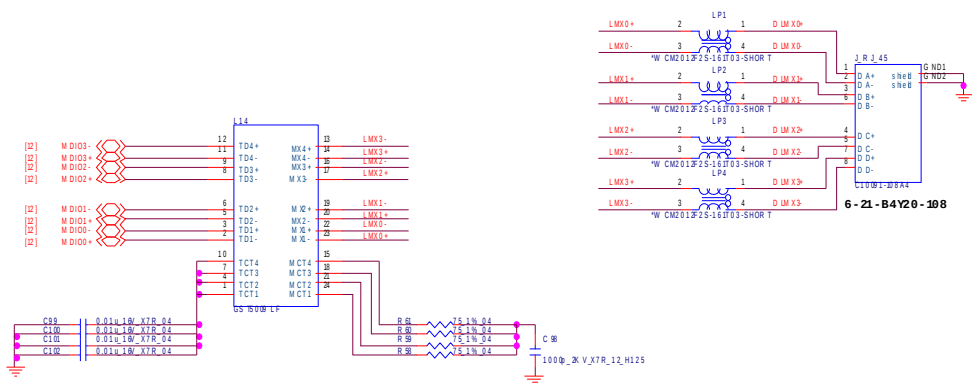


Sheet 4 of 18
System DVI-D, CRT

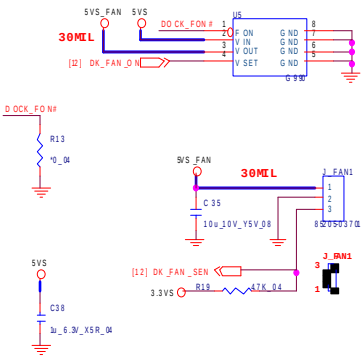
Schematic Diagrams

RJ-45, Fan, Phone Jack

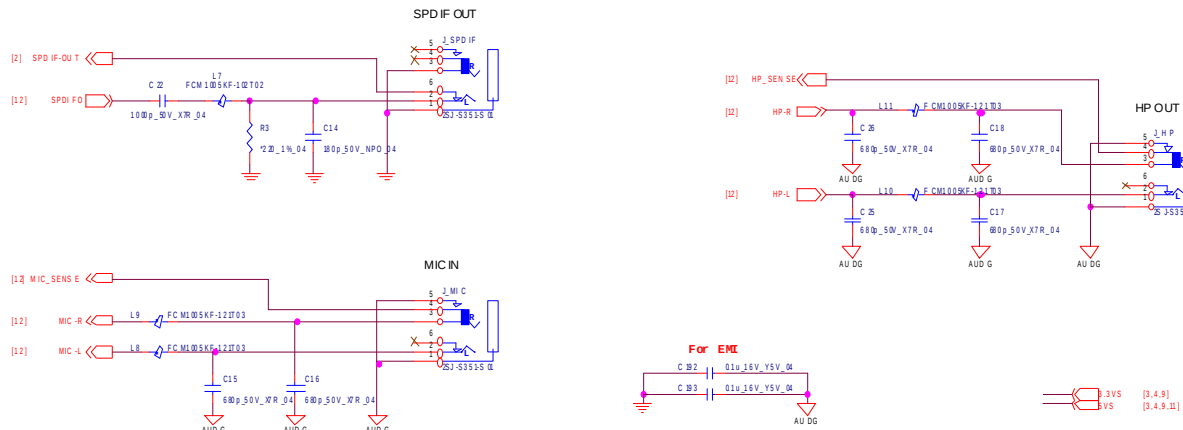
RJ-45



FAN



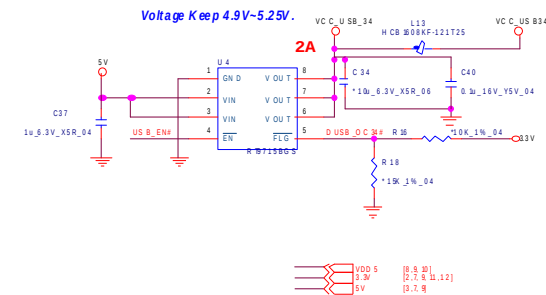
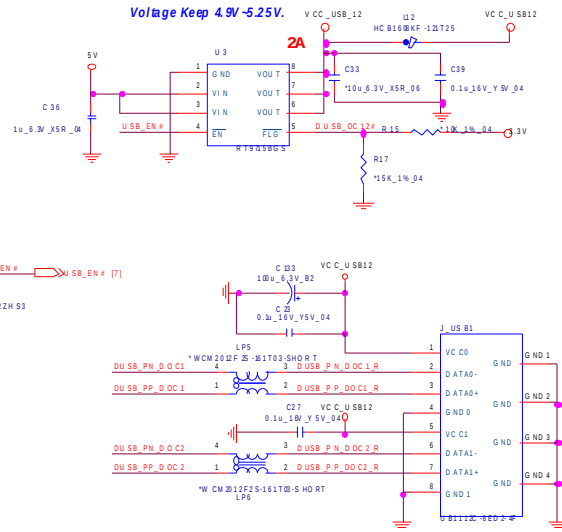
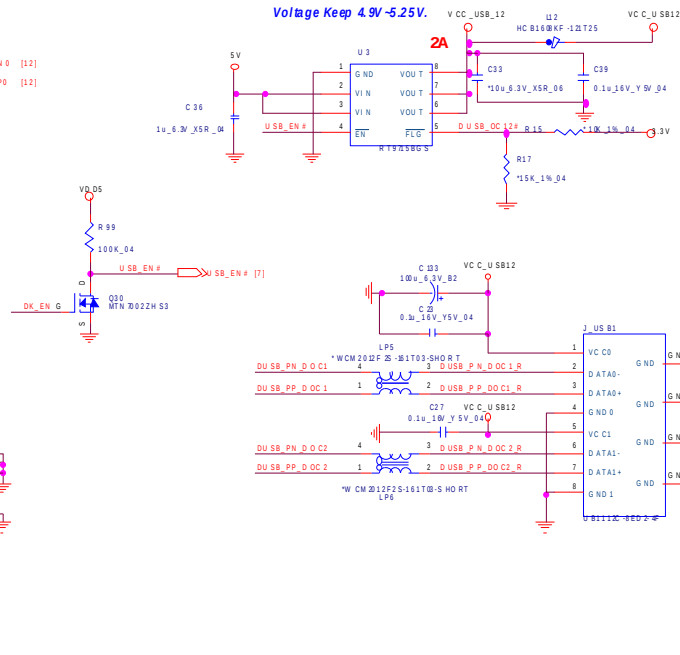
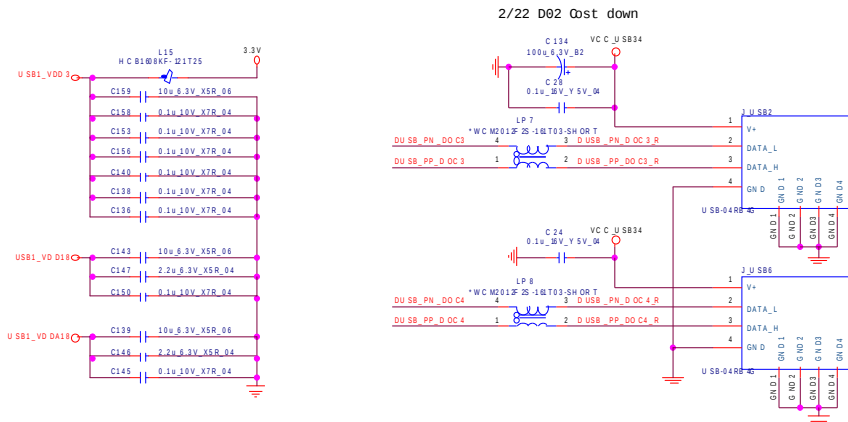
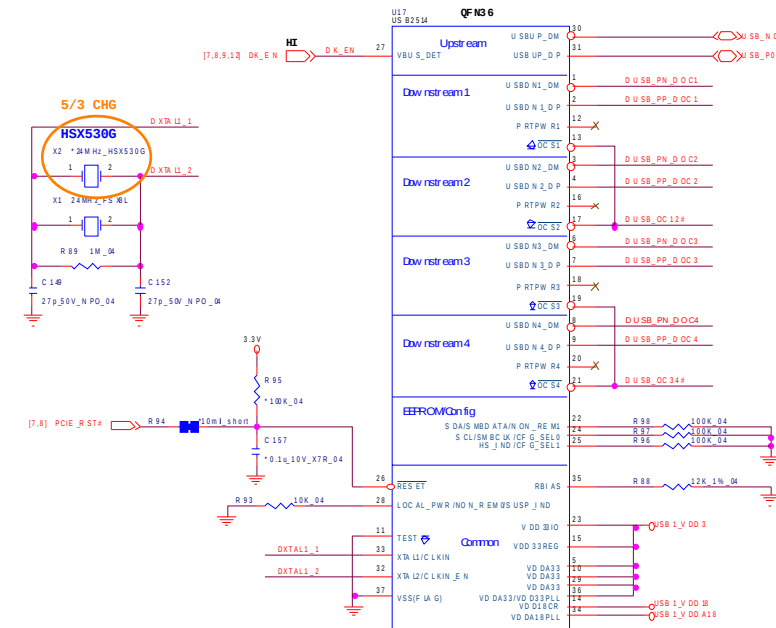
AUDIO PHONE JACK



Sheet 5 of 18
RJ-45, Fan, Phone Jack

USB 2.0 HUB-1

USB2.0 HUB

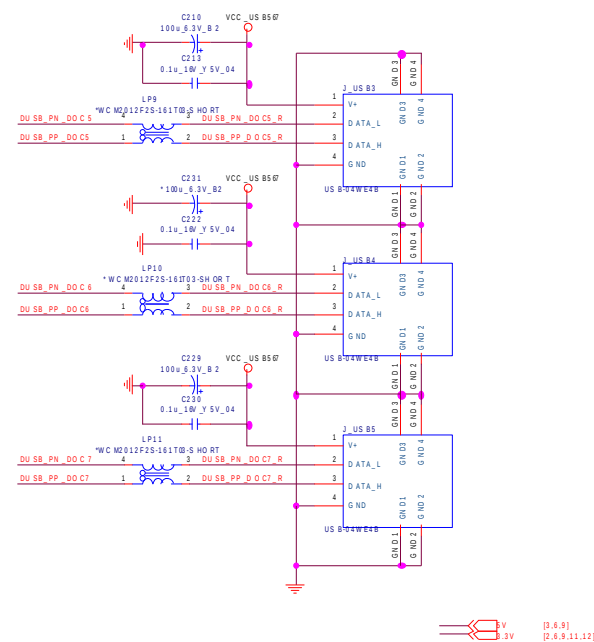
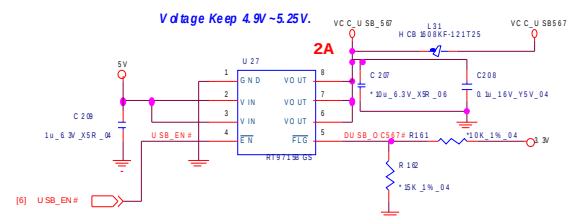
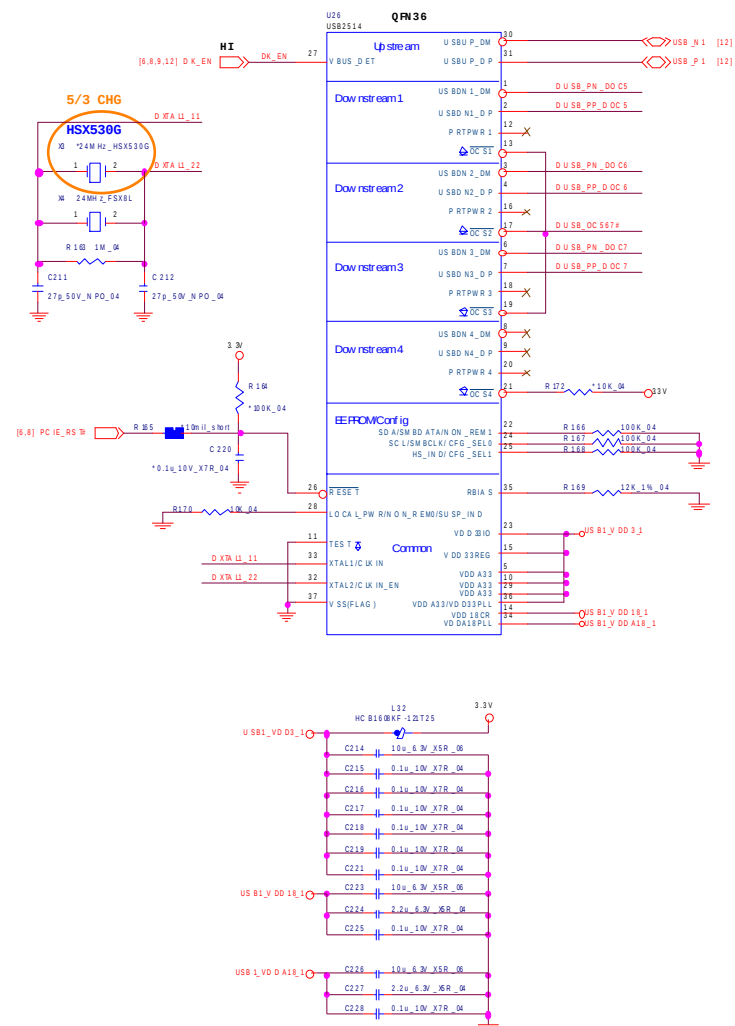


VDD 5 3.3V
VDD 5 3.3V
VDD 5 3.3V

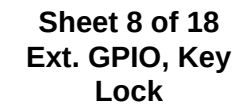
Sheet 6 of 18
USB 2.0 HUB-1

B.Schematic Diagrams

USB2.0 HUB



Ext. GPIO



KEY LOCK SWitCh

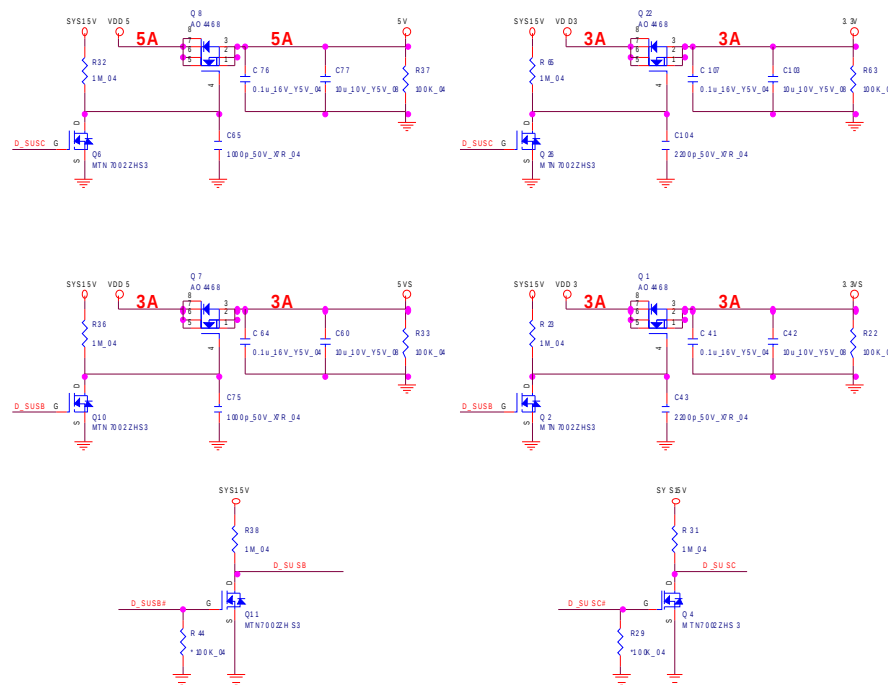


Schematic Diagrams

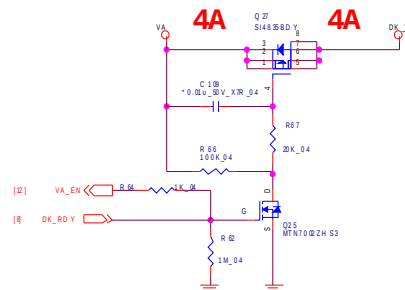
Main Power, Power OK

Sheet 9 of 18
Main Power, Power
OK

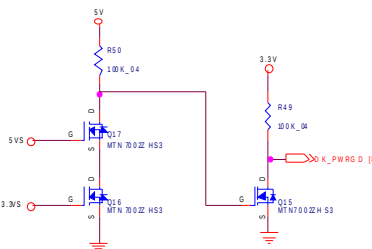
MAIN POWER



VA CONTROL

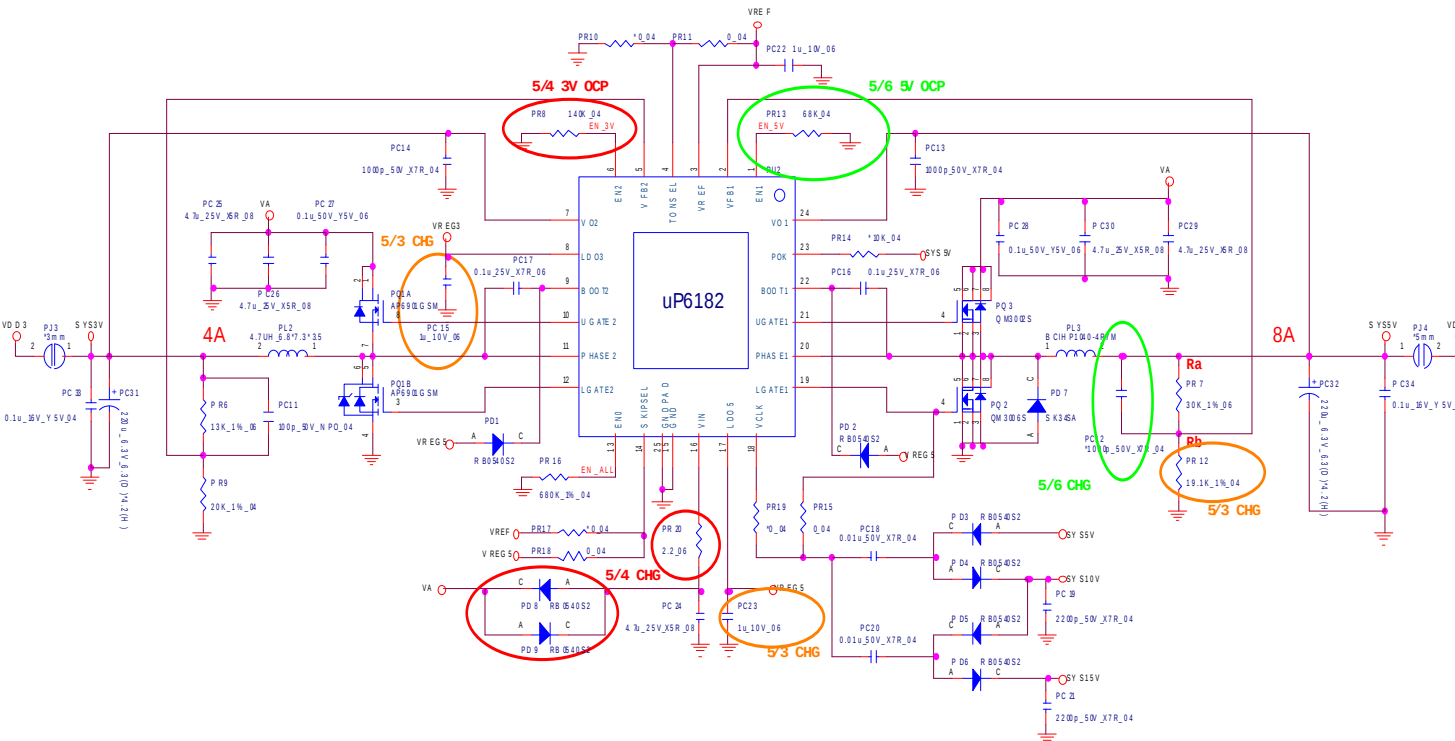


POWER OK

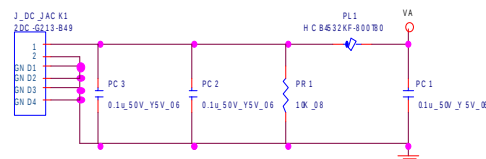


VD_D3_GPIO	[8]
5V	[2,3,7,11,12]
3.3V	[3,4,7]
5V	[3,4,5]
3.3V	[3,4,5,11]
VD_D3	[8,10,12]
VD_D5	[8,10,12]
VA_VA	[3,10]
YS19V	[10]

VDD3, VDD5



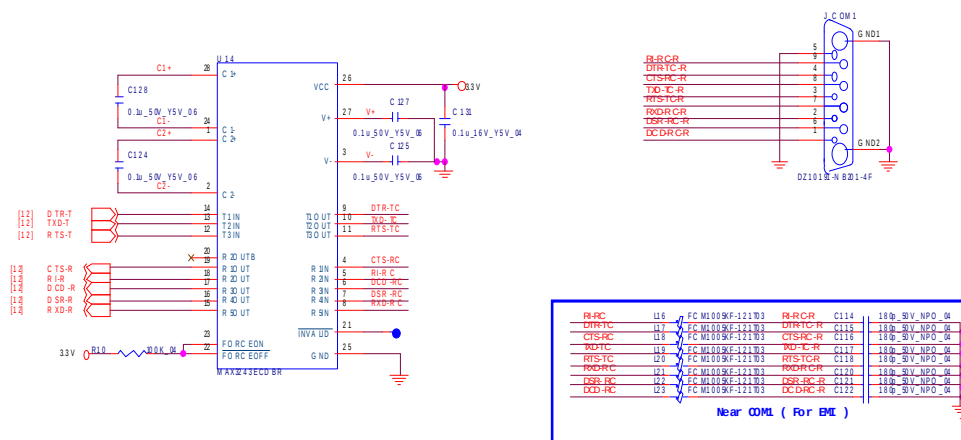
6-20-B3470-108



VDD3	[3, 5, 7, 9]
VDD5	[8, 9, 10]
VA	[6, 8, 9]
SY 515V	[3, 9]
SY 515V	[9]

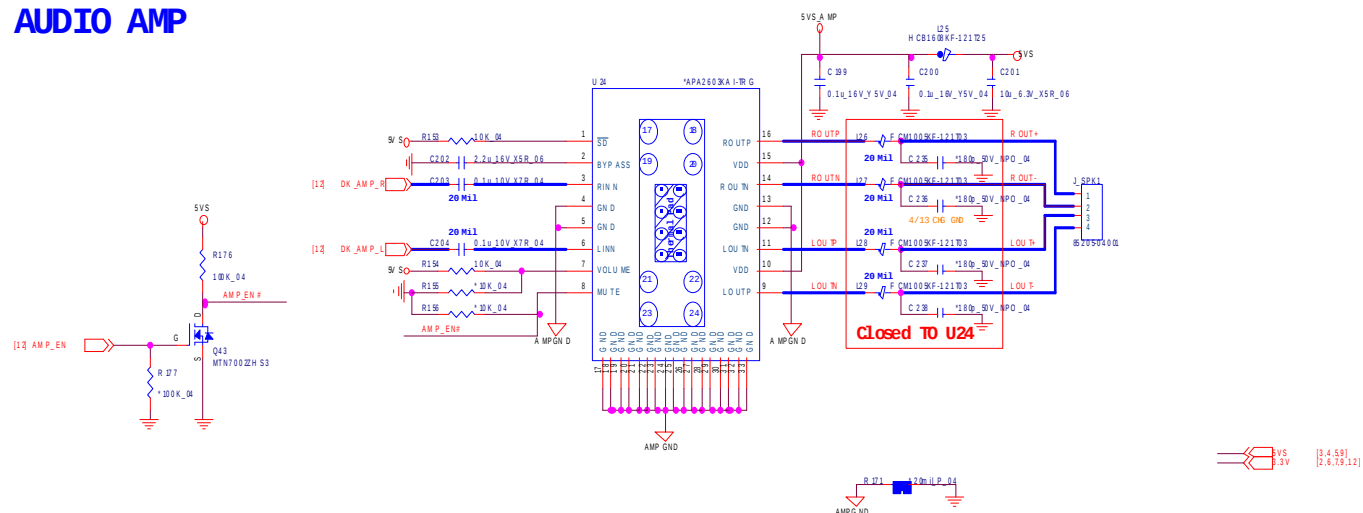
Sheet 10 of 18
VDD3, VDD5

COM PORT

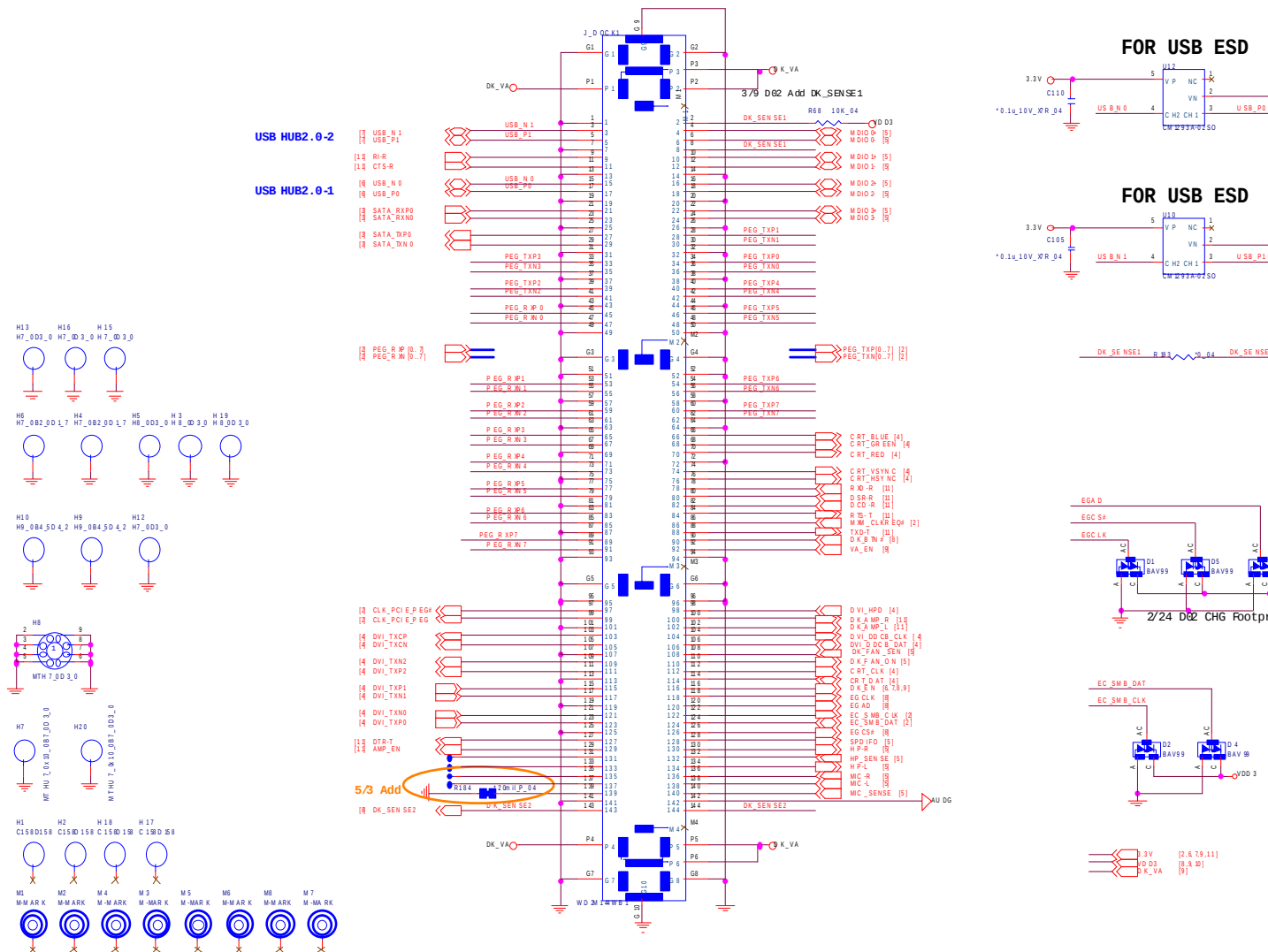


Sheet 11 of 18
COM Port, Audio
AMP

AUDIO AMP



Docking CONN (144 Pins)



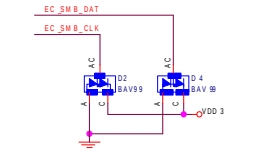
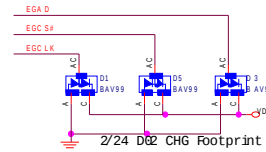
FOR USB ESD



FOR USB ESD

Sheet 12 of 18
Docking CONN
(144 Pins)

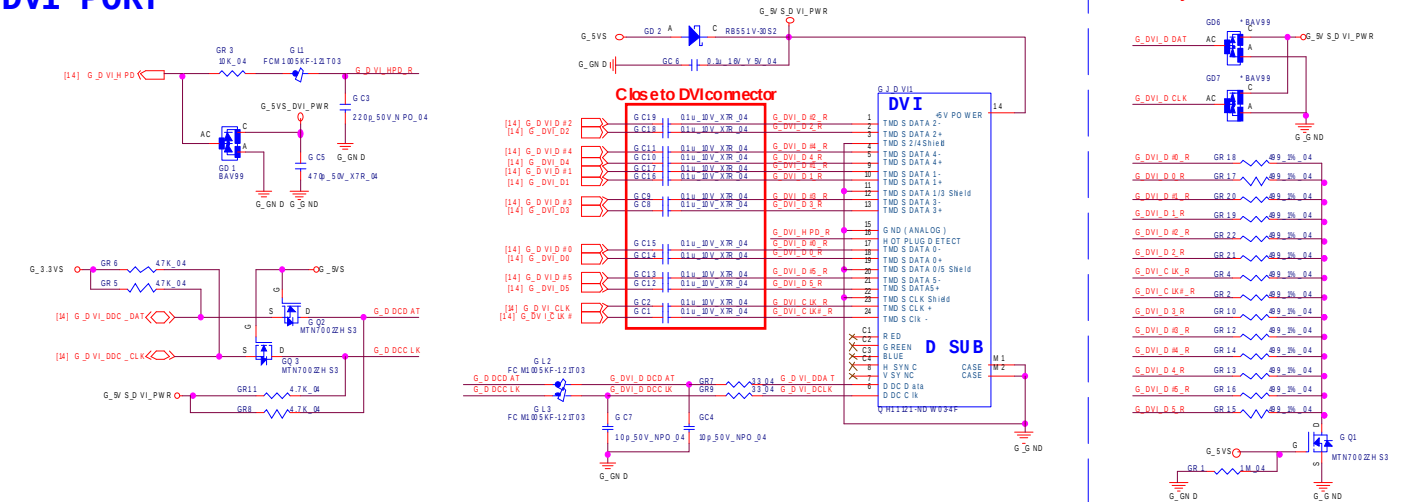
DK_SENSE1 R31 10K 04 DK_SENSE2



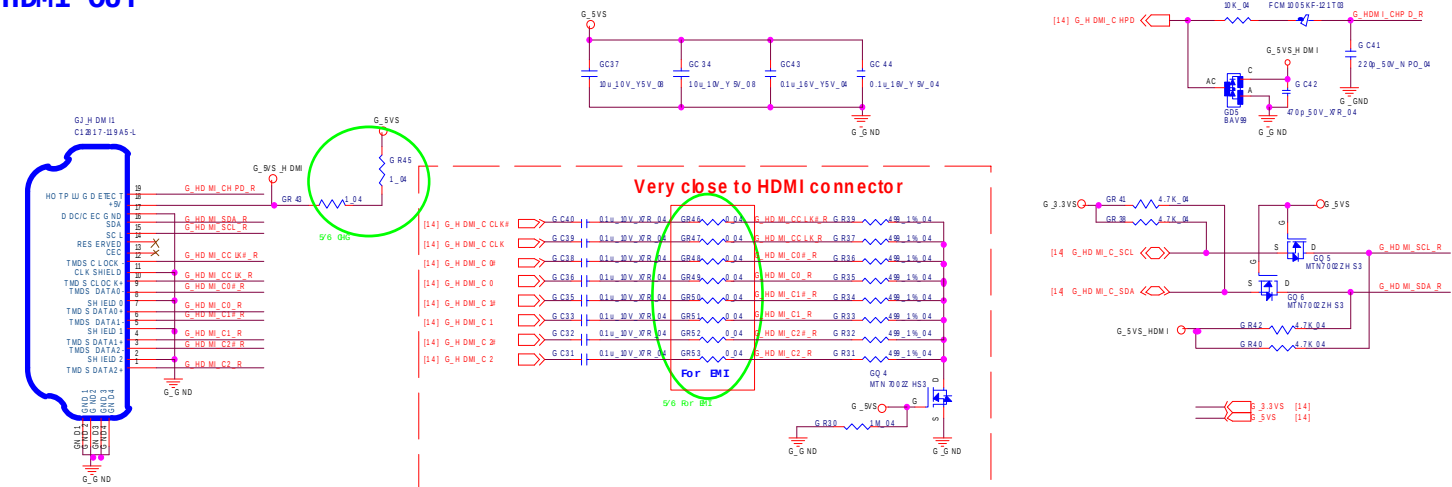
Schematic Diagrams

dGPU Output B'd, HDMI, DVI

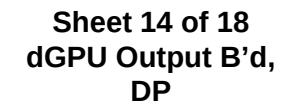
DVI PORT



HDMI OUT



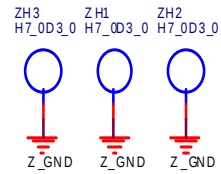
dGPU OUT PORT



dGPU Output B'd, DP B - 15

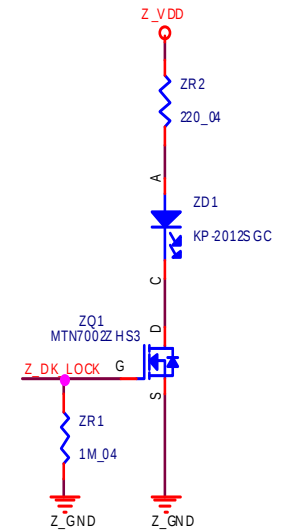
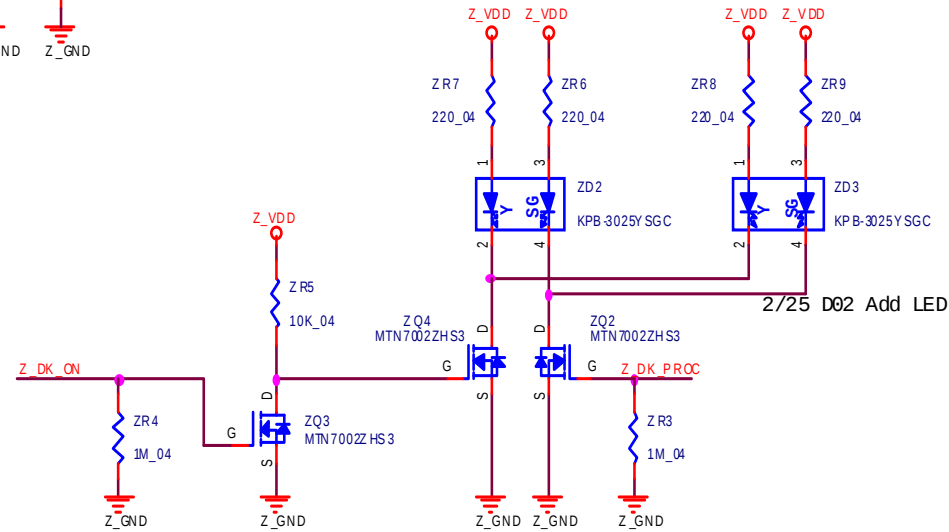
Schematic Diagrams

Power BTN, LED B'd

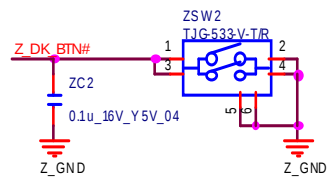


AC IN/READY/PROCESSING LED

DOCKING LOCK/UNLOCK LED



POWER Button



OTB Button

