



DVD Player Service Manual

Model: DVD-3118E

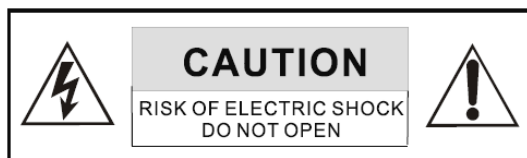
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CIRCUIT DIAGRAM

SAFETY PRECAUTIONS



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE UNIT'S CABINET THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE MANUAL ACCOMPANYING THE UNIT.

WARNING:

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE. NEVER ATTEMPT TO OPEN THE CABINET, DANGEROUS HIGH VOLTAGES ARE PRESENTED IN THE UNIT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE- BLADE PLUG WITH WIDE SLOT AND FULLY INSERT.
THE APPARATUS SHALL NOT BE EXPOSED TO WATER AND NO OBJECTS FILLED WITH LIQUID SUCH AS VASES SHALL BE PLACED ON THE APPARATUS.

CAUTION:

THE UNIT EMPLOYS A LASER SYSTEM. TO ENSURE THE PROPER USE OF THE UNIT, READ THIS MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

IF THE UNIT REQUIRES SERVICING, CONTACT THE SELLER OR SEE "TROUBLESHOOTING".

TO PREVENT DIRECT EXPOSURE TO THE LASER RADIATION, DO NOT OPEN THE CABINET. VISIBLE LASER MAY RADIATE WHEN THE CABINET IS OPENED OR THE INTERLOCKS ARE DEFEATED. DO NOT STARE INTO THE LASER BEAMS.

CAUTION:

THE DVD VIDEO PLAYER IS A CLASS 1 LASER PRODUCT. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AS THE LASER BEAM USED IN THIS DVD VIDEO PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET.

REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING:

FCC REGULATIONS STATE THAT ANY CHANGE OR MODIFICATION TO THE EQUIPMENT, NOT EXPRESSLY APPROVED BY MAKER OR ITS AUTHORIZED PARTIES, COULD VOID USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.

IMPORTANT SAFETY INSTRUCTIONS

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions

All operating instructions should be followed.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture

Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Portable Cart Warning

A product and cart combination should be moved with care. Quick stop, excessive force, and uneven surface may cause the product and cart combination to overturn.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.

12. Grounding or Polarization

This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power Cord Protection

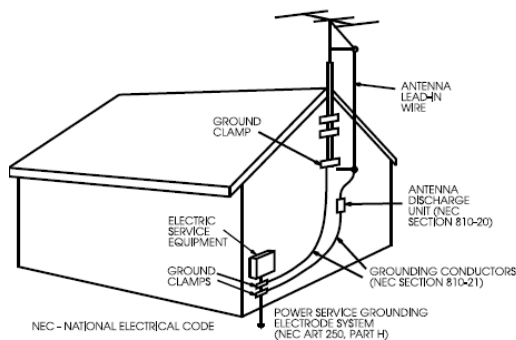
Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.



(Symbol provided by RETAC)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.



15. Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power lines surges.

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- A) When the power-supply cord or plug is damaged,
- B) If liquid has been spilled, or objects have fallen into the product,
- C) If the product has been exposed to rain or water,
- D) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
- E) If the product has been dropped or damaged in any way.
- F) When the product exhibits a distinct change in performance this indicates a need for service.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

SPECIFICATIONS

Power Requirements	AC 90 ~ 250V, 50/60Hz
Power Consumption	<25W
Signal System	NTSC/PAL
Weight	
Disc Played	DVD,AUDIO-CD,SVCD,VCD,MPEG4
Video Out:	
Video Out	1 Vp-p (75Ω)
S-Video Output Connector (Separate Y, C Signal Output Connector):	
Y Output:	1 Vp-p (75Ω)
C Output:	0.30 Vp-p (75Ω)
Audio Out	
Coaxial Out:	RCA Type
S/N Ratio:	65db (EIAJ)
Total Harmonic Distortion:	70db

Specification subject to change without prior notice.

CAUTION!

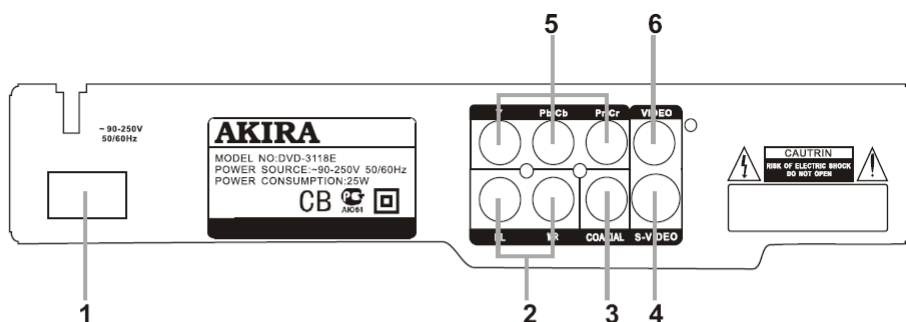
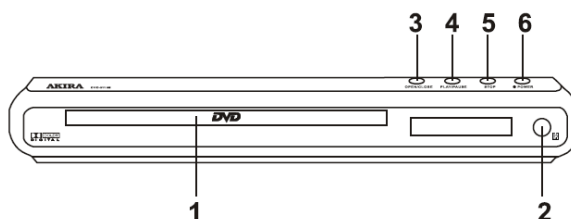
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR
PERFORMANCE OF PROCEDURES OTHER THAN THOSE
SPECIFIED HEREIN MAY RESULT IN HAZARDOUS
RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR
YOURSELF. REFER SERVICING TO QUALIFIED
PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR
PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS
TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND
THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS
VASES, SHALL BE PLACED ON THE APPARATUS.

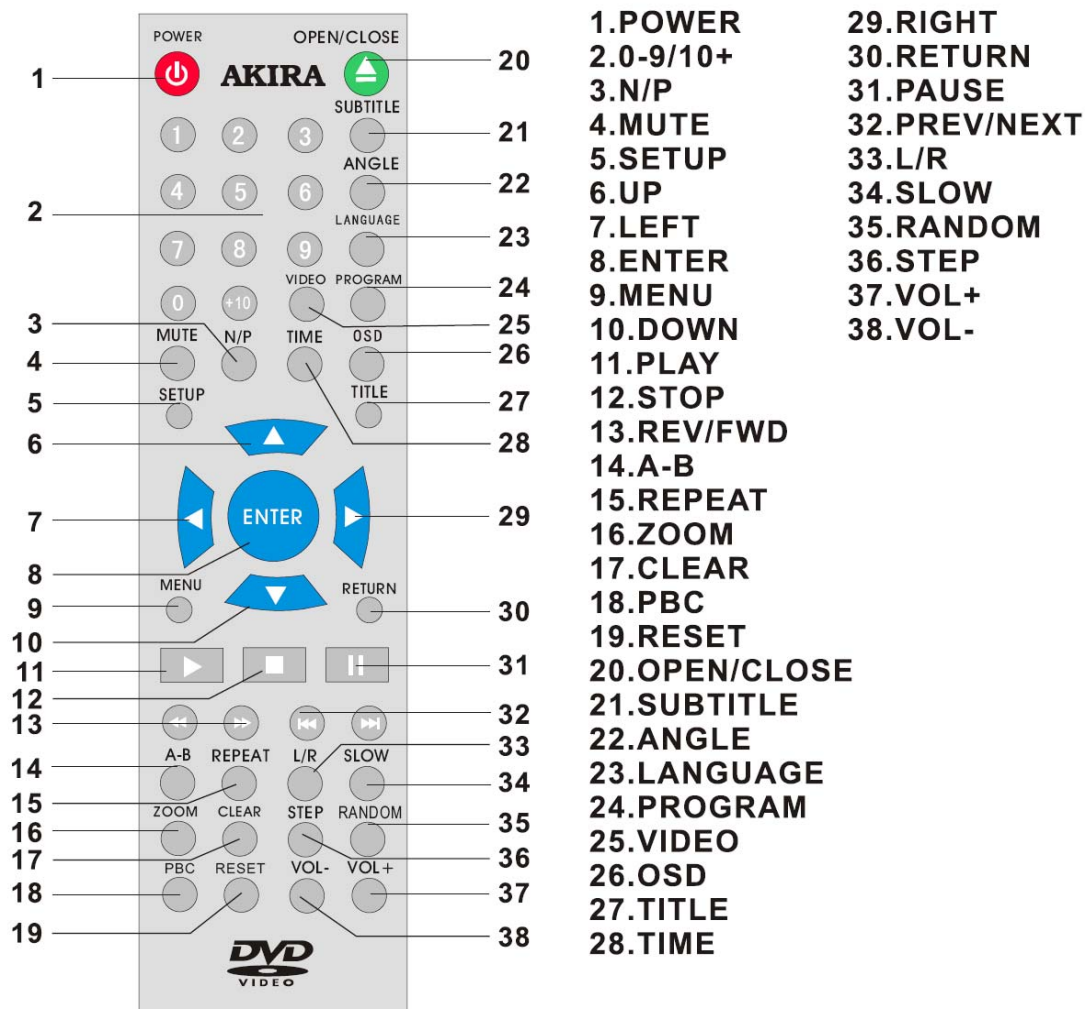
APPEARANCE VIEW & FUNCTION

1. DISC TRAY
2. REMOTE SENSOR
3. OPEN/CLOSE BUTTON
4. – To open or close the disc tray
- PLAY/PAUSE BUTTON
- To start disc playback.
- To interrupt disc playback.
5. STOP BUTTON
6. POWER BUTTON
- To switch power on/off.



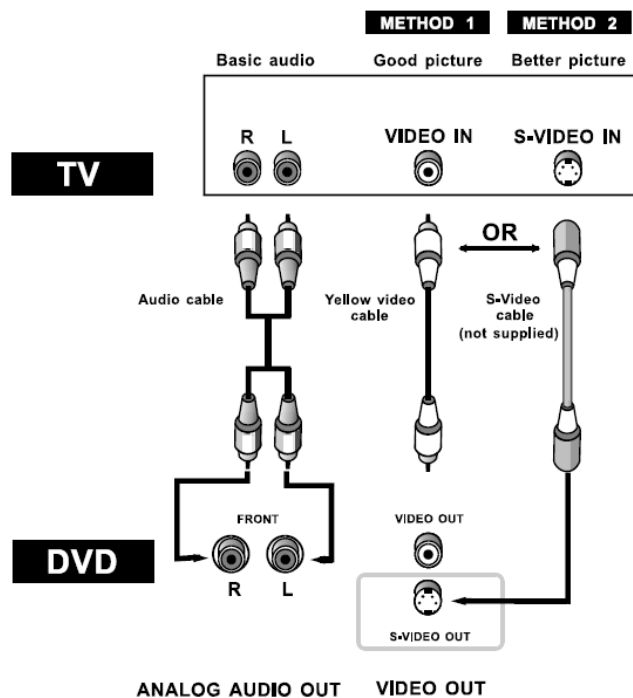
1. POWER SWITCH
2. L+R audio output jacks.
- Connect to stereo amplifier.
3. DIGITAL OUT-COAXIAL
- Connect to audio equipment with digital-coaxial audio input.
4. S-VIDEO OUT
- Connect to a TV with S-Video input.
5. Y.Pb/Cb.Pr/Cr OUT
- Connect to a TV with video input.
6. VIDEO OUT
- Connect to a TV with video input.

REMOTE CONTROL



CONNECTION

TV Monitor



METHOD 1 DVD Player + TV with Video input jack

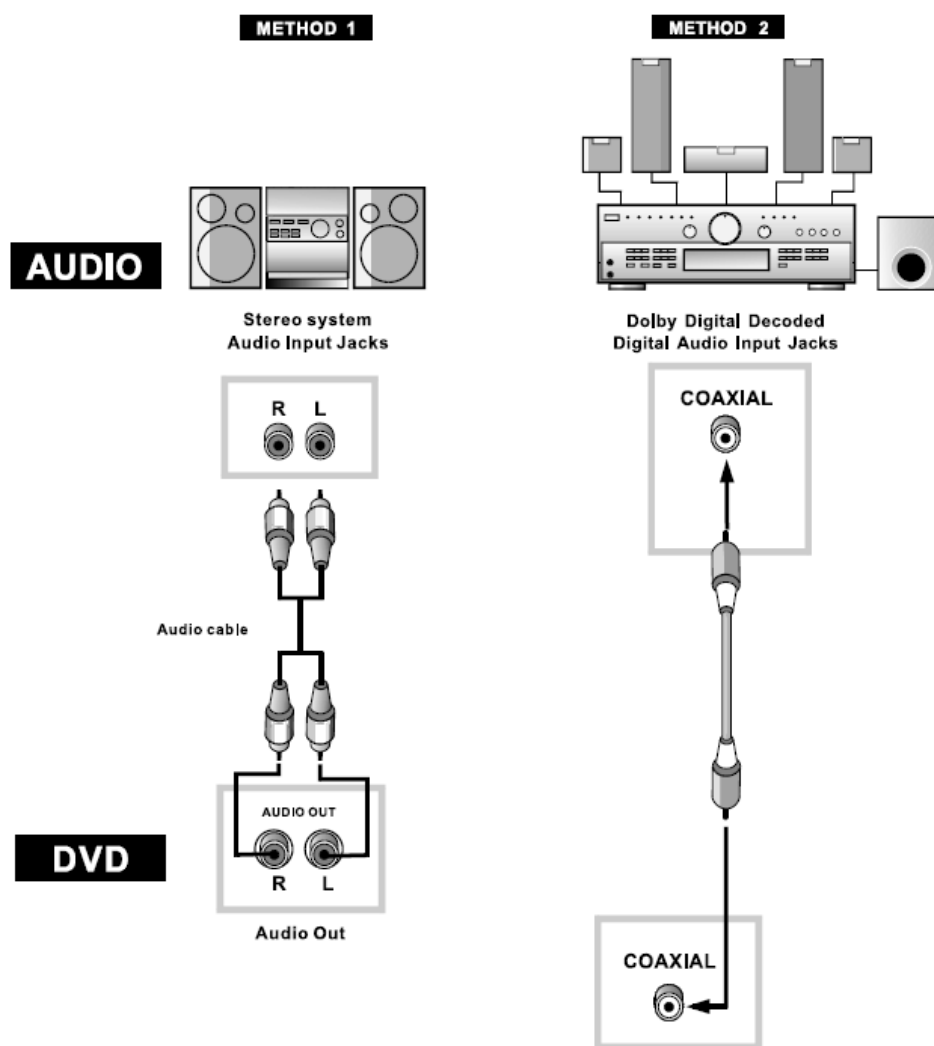
METHOD 2 DVD Player + TV with S-Video input jack

Audio System

The following diagram shows examples of connections commonly used to connect the DVD player to TV sets with other audio equipment.

Before Connecting the DVD player

- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the instruction Manuals for your TV, stereo system and other components to be connected to the DVD player.



- **METHOD 1** DVD Player + Stereo System
- **METHOD 2** DVD Player + Amplifier with Dolby Digital Decoder

OPERATION

BASIC PLAYBACK

Preparation

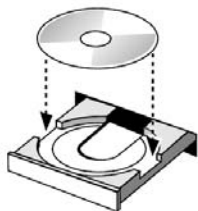
- When you want to play back DVD video discs, turn on the TV and select the video input source connected to the DVD receiver.
- When you want to enjoy the sound of the DVD video discs or audio CDs from the audio system, turn on the audio system and select the input source connected to the DVD receiver.
- For connection details, see pages 5 and 6.
- Set the playback picture size according to the aspect ratio of the connected TV at the SETUP menu (TV Aspect).

Powering on the player and playing the disc

- The DVD receiver turns on and the system began to work. Press POWER button on the front panel. The power indicator will lighted on and system is ready for playing. The power indicator also light on when use the remote control to turn the system on and standby.
- Press OPEN / CLOSE button to open the tray to either change the disc or insert a disc.



- Once the disc is in the tray, press OPEN / CLOSE button to close the tray. Once closed, the player will begin to play the disc.
- Place a disc on the disc tray with playback side down.
- There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD receiver to malfunction.
- Do not place anything except 3" disc or 5" disc on the disc tray.



Stopping playback

- Press STOP button once to stop playback and show the logo screen. The player memorizes the location where playback is stopped.
- Press PLAY button to resume playback from the location where playback is stopped.
- When the STOP button is pressed twice, the resume function will be cleared.

Pausing playback

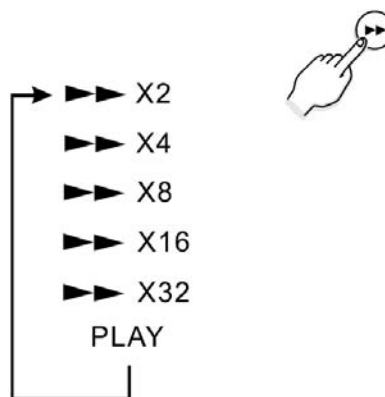
- Press PAUSE button once to pause playback. The sound is muted during PAUSE mode.
- Press PLAY button to resume normal playback.

Single Stepping (VCD & DVD only)

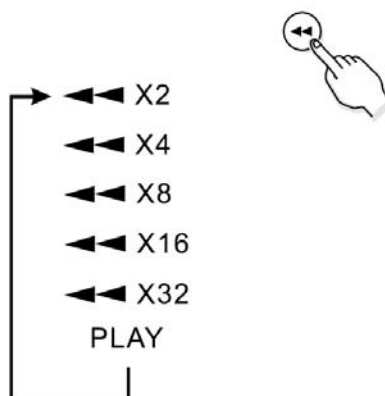
- Press STEP button to pause playback.
- Press STEP button again to single step forward to the next picture frame.
- Press PLAY button to resume normal playback.

Search Forward / Search backward

- Press FWD button to fast forward through the disc. The speed can be selected by pressing the key further (2x, 4x, 8x, 16x, 32x, normal).



- Press PLAY button to resume normal playback.
- Press REV button to fast reverse through the disc. The speed can be selected by pressing the key further (2x, 4x, 8x, 16x, 32x, normal).



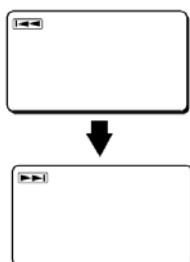
- Press PLAY to resume normal playback.

Slow motion Forward

- Press SLOW forward button to play a disc in slow motion.
- Each time the SLOW forward button is pressed, the slow motion speed changes (1/2, 1/4, 1/8, 1/16 of normal speed.)
- Press PLAY button to resume normal playback.

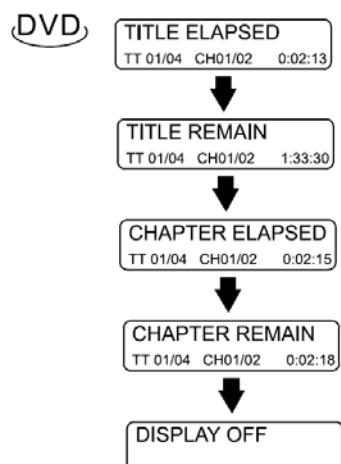
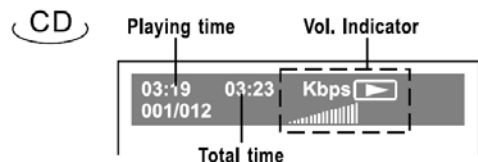
Skipping to the Next / Previous chapter/track

- Press NEXT button  to skip forward to the beginning of the next chapter (DVD) or track (Audio CD).
- Press PREV button  once to skip backward to the previous chapter (DVD) or backward to the previous track (Audio CD).



Checking the Remaining Time

- Press the DISPLAY button to check the elapsed time and remaining time as illustrated.



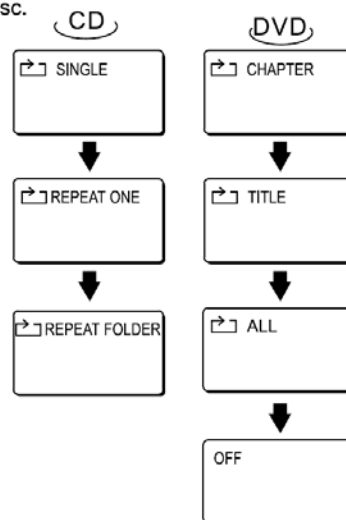
SOUND MODE

1. You can enjoy and adjust sound volume level (0–20 steps) simply by pressing VOLUME +/- button on the remote control handset.

REPEAT PLAY

Repeat Viewing / Listening

- Press REPEAT button to repeat the chapter, title and all for DVD disc; track and all for CD disc.



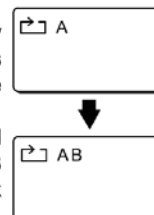
TITLE / ALL – repeat entire title
When playback reaches the end of the disc, playback resumes at the beginning.

CHAPTER – repeat current chapter
When playback reaches the end of the current chapter, playback jumps back to the beginning of the chapter.

TRACK – repeat current track
When playback reaches the end of the current track, playback jumps back to the beginning of the track.

A B Repeat playback

- Press A – B button once at the beginning of the segment (point A) you want to play repeatedly.
- Press A – B button again at the end of the segment (point B).
- The player automatically returns to point A and starts repeat playback of the selected segment (A – B).
- Press A – B button a third time to disable repeat A – B playback and allow playback to continue in normal.



Random play (shuffle)

- Press SHUFFLE button during playback to toggle between SHUFFLE and OFF. The setting are as follow:
SHUFFLE = Random mode enabled. When playback reaches the end of the current track, playback jumps to a random track.
OFF = Random model disabled.

USING DISC MENU / TITLE

To select the disc menu

- You can use the menus for the audio language, subtitle language, etc. DVD menu contents differ from disc to disc.
- Press the DVD MENU button during playback. The menu screen appears.
 - Use the up/down (▲/▼) or left/right (◀/▶) button to access the different features.
 - Press the ENTER button
 - The selected item will play.

Using the Title Menu

- For DVD's containing multiple titles, you can view the title of each movie. Depending on the disc, this function may either not work at all, or may work differently.

AUDIO LANGUAGE / SUBTITLE

LANGUAGE (only applicable to DVD disc)

Selecting the Audio Language

- Press AUDIO button to select different audio languages (eg. English, French, Spanish, German,depending on the number of languages recorded on a DVD disc).

Selecting the Subtitle Language

- Press SUBTITLE button to select different subtitle languages (eg. English, French, Spanish, German,depending on the number of languages recorded on a DVD disc).

ZOOM (VCD or DVD only)

- Press ZOOM button repeatedly during playback to select zoom 2x, 3x, 4x to change the size of the picture.
- While an image is enlarged, you can use UP/DOWN, LEFT / RIGHT buttons to shift the view and display the part you wanted.

ANGLE

- Press the ANGLE button during playback to select the desired angle.
- This function only works with discs on which multiple scenes were shot from different angles.

MOVE TO A TITLE, CHAPTER OR TIME DIRECTLY

- Press the TIME button.
- Each time the button is pressed, it repeats as shown below.

TITLE 01/02 CHAPTER 02/20



TITLE 01/02 TIME [: :]



CHAPTER 02/20 TIME [: :]

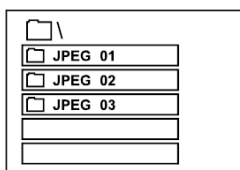
- The player will jump to the desired location immediately.
- In VCD2.0 playback. Press TIME button to choose a search mode (Disc Time/Track Time/Track Number)
- In CD or VCD discs, press TIME button and enter the track number.

JPEG Playback

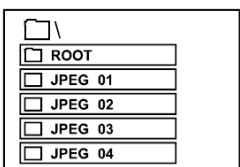
Some CD-Rs may contain pictures in a JPEG format. For example, you may have photographic film developed with pictures stored in JPEG format. Then you can playback those JPEG files in this player.

Some useful features are described below:

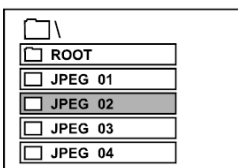
- When you insert a disc with JPEG files, the files or pictures available for playback will be listed on the screen.
- Press UP / DOWN buttons to select the folder or file and press ENTER.



- After you open one JPEG file, each subsequent file will appear automatically for a few seconds. To keep the JPEG image on the screen longer, press PAUSE button to pause the image.
- During playback, press UP / DOWN, LEFT / RIGHT to rotate or flip the image.
- During playback, press STOP button. Press UP / DOWN buttons to select PREV or NEXT, then press ENTER.



- Press UP / DOWN buttons to select the picture, then press ENTER and it will shift to slide show mode starting with the picture selected.

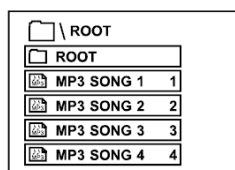
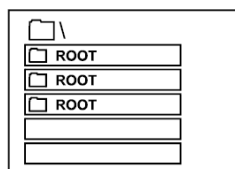


MP3 Playback

This system has a built in MP3 decoder. You can playback MP3 tracks (files) recorded on CD-R, CD-RW.

Starting playback

- It is recommended you turn on you TV when playing back an MP3 disc.
1. Press the OPEN/CLOSE button to load a disc.
 - The menu will show up the folders and the files in root directory.
 2. Use the ▲/▼ buttons to select the desired music folder, then press ENTER.
 3. Use the ▲/▼ buttons again to select a song file. Press ENTER to begin playback of the song file.



Play mode

- The indication corresponding to the selected mode appears on the TV screen.
1. Use the LEFT/RIGHT and up/down buttons to select play mode.
 2. Use the ◀/▶ buttons to select the desire music folder, then press ENTER.
 3. Use the ▶ / ▲ and ▼ buttons to select the song file, then press ENTER.

NOTE:

- FOLDER**
All the files in the current folder will be played once in sequence.
- REPEAT ONE**
The selected file will be repeated.
- REPEAT FOLDER**
All the files in the current folder will be repeated.

SETUP MENU

The SETUP MENU let you to customize the DVD player by allowing you to select various language preferences, set up a parental level, turn captions and screen saver on and off, adjust what type of television screen you have and more. Below, find the menu, and then find the corresponding page that describes the features of the selected menu option.

1. When you press SETUP button on the remote control, the SETUP MENU will be displayed.
2. Within the SETUP MENU, you can use ▲, ▼, ◀ and ▶ buttons on the remote control to move the cursor and then press the ENTER/PLAY button to make your selection. Press ◀ can return the previous menu.
3. To exit SETUP MENU, you can press setup menu.

General	Audio	Dolby	Video	Preference
.. General Setup page ..				
Tv Display	PS			
Angle Mark	On			
Osd Lang	Eng			
Captions	Off			
Screen Saver	On			
HDCD	1X			
Go To General Setup Page				

GENERAL MENU

Select GENERAL SETUP in the SETUP MENU and then select the desired option using the cursor (▲, ▼, ◀, ▶) buttons to navigate through the menus/screens and press the ENTER button to select.

TV Display

NORMAL/PS: Pan scan. Select when the unit is connected to a conventional TV. Video material formatted in the Pan Scan style is played back with the left and right edges are cut off.

NORMAL/LB: Letter Box. Select when the unit is connected to a normal TV. Wide-screen images are shown on the screen with a black band at the top and bottom.

WIDE: Select when the unit is connected to a wide-screen TV.

General	Audio	Dolby	Video	Preference
.. General Setup page ..				
Tv Display	PS	Normal/PS		
Angle Mark	On	Normal/LB		
Osd Lang	Eng	Wide		
Captions	Off			
Screen Saver	On			
HDCD	1X			
Set Tv Display Mode				

Note:

The displayable picture size is preset on the DVD disc. Therefore the playback picture of some DVD discs may not conform to the picture size you select.

Angle Mark

Some DVDs include scenes recorded from different angles. This selection can show the marking.

General	Audio	Dolby	Video	Preference
.. General Setup page ..				
Tv Display	PS			
Angle Mark	On	☒ On		
Osd Lang	Eng	☐ Off		
Captions	Off			
Screen Saver	On			
HDCD	1X			
Set Angle Mark				

On-Screen Display Language

You can set the SETUP and on-screen messages to appear in English or Russian. This language selection will not affect the languages of DVD disc or Title menus or any audio or subtitle languages.

General	Audio	Dolby	Video	Preference
.. General Setup page ..				
Tv Display	PS			
Angle Mark	On			
Osd Lang	Eng	English		
Captions	Off	Russian		
Screen Saver	On			
HDCD	1X			
Set Osd Language				

Captions

This option can show or hide the captions.

- ON (show captions)
- OFF (hide captions)

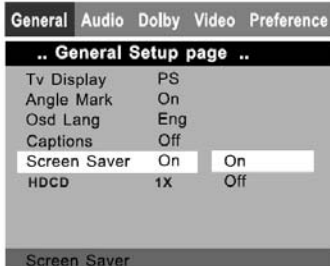
Note: This function can only be used for DVD disc with captions.

General	Audio	Dolby	Video	Preference
.. General Setup page ..				
Tv Display	PS			
Angle Mark	On			
Osd Lang	Eng			
Captions	Off	On		
Screen Saver	On	Off		
HDCD	1X			
Closed Caption				

The TV set must support closed captions function.

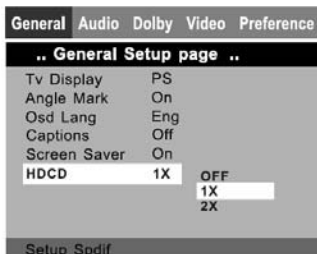
Screen Saver

The Screen Saver is the moving DVD logo that appears on your TV screen when Disc playback is stopped and you do not use the player or its remote control for about few minutes. The screen saver prevents damage to your TV caused by leaving a still image on the screen for a long time.



HDCD

• HDCD 1X

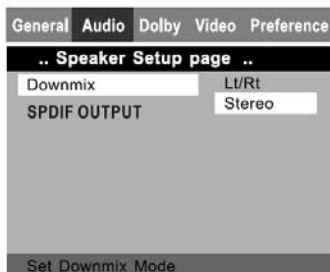


SPEAKER SETUP

Select speaker setup in the setup up menu and then select the desired option using the cursor (▲, ▼, ◀, ▶) buttons to select the desired option and press the ENTER button to select.

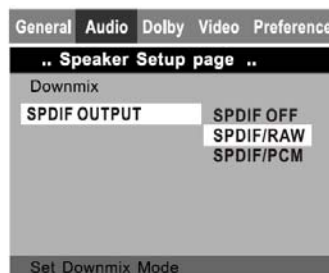
Downmix

- LT/RT
- A disc recorded multi channel soundtrack, the output signal will be incorporated to left and right channel.
- STEREO
- A disc recorded multi channel soundtrack, the output signal will be incorporated to stereo.



SPDIF OUTPUT

- Press ▲ or ▼ to select SPDIF output, then press ENTER.
- Press ▲ or ▼ to select OFF, RAW, or PCM, then press ENTER.
- Choose OFF if no external audio equipment is connected.
- Select RAW if the player is connected to a 5.1 home theatre system by a coaxial cable (not supplied).
- Select PCM to enable the internal Dolby Digital decoder of this player.



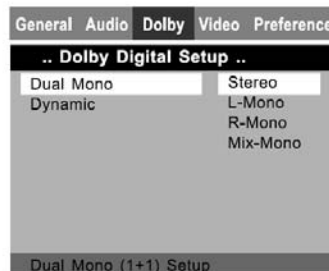
DOLBY DIGITAL SETUP

Select DOLBY DIGITAL SETUP in the setup menu then press ENTER button.

Dual Mono

This is the output mode of the L and R signals of the set audio output. If it is set to "MIX MONO", the function only works when the DVD being played is 2.0-channel.

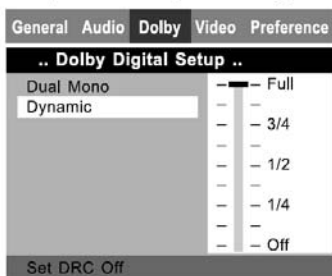
- STEREO
- Choose this option, the audio output should be dummy stereo signal.
- L-MONO
- R-MONO
- MIX-MONO



Dynamic Range Compression

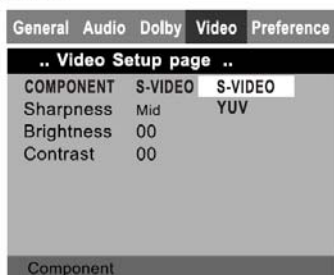
Dynamic Range Compression reduces volume changes by letting you adjust the difference between soft and loud sounds.

Press ▲ or ▼ to set Dynamic Range higher dynamic sound will be produced if dynamic range is selected.



VIDEO SETUP

Select VIDEO SETUP in the setup menu then press ENTER button.

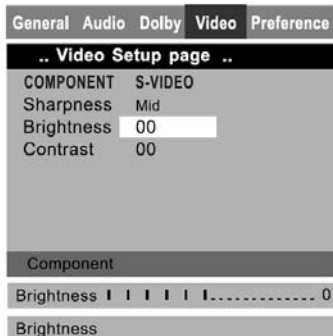


- Press ▼ or ▲ to select sharpness, brightness, contrast then press ► button.
- Press ◀ to go back and select another picture setting as needed.

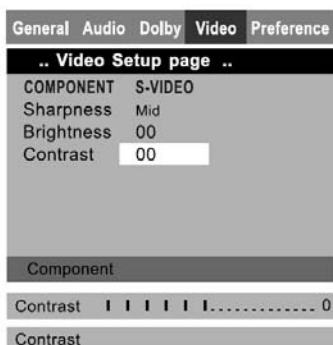
For sharpness, choose high, medium, low 3 different levels.



For BRIGHTNESS, the range is -20 to +20.



For CONTRAST, the range is -16 to +16.



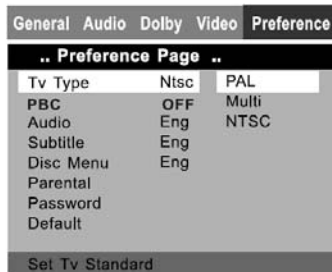
PREFERENCE SETUP MENU

Select PREFERENCE SETUP in the setup menu, then press ENTER.

TV Type

TV type will be selected. Press ►.

- Press ▲ or ▼ to select PAL, MULTI or NTSC then press ENTER.
 - Choose PAL if your TV is PAL -compatible.
 - Choose MULTI if you want the player to automatically select the color system of the current DVD. The TV system setting must be MULTI.
 - Choose NTSC if your TV is NTSC-compatible.



PBC

- PBC OFF

General	Audio	Dolby	Video	Preference
.. Preference Page ..				
Tv Type	Ntsc			
PBC	OFF	ON	OFF	
Audio	Eng			
Subtitle	Eng			
Disc Menu	Eng			
Parental				
Password				
Default				
Set Tv Standard				

Audio

Audio will be selected. Press ►.

- Press ▲ or ▼ to select the desired audio language and then press ENTER.

General Audio Dolby Video			Preference
.. Preference Page ..			
Tv Type	Ntsc		
PBC	OFF		
Audio	Eng	English	
Subtitle	Eng	French	
Disc Menu	Eng	Spanish	
Parental		Chinese	
Password		Japanese	
Default		Korean	
		RUSSIAN	
		Others	
Preferred Audio Language			

Subtitle

Subtitle will be selected. Press ►.

- Press ▲ or ▼ to select the desired subtitle language and then press ENTER.

General	Audio	Dolby	Video	Preference
.. Preference Page ..				
Tv Type	Ntsc			
PBC	OFF			
Audio	Eng	English		
Subtitle	Eng	French		
Disc Menu	Eng	Spanish		
Parental	Chinese			
Password	Japanese			
Default	Korean			
	RUSSIAN			
	Others			
Preferred Subtitle Language				

Disc Menu

Disc menu will be selected. Press ►.

Press ▲ or ▼ to select the desired disc menu language and then press ENTER.

General	Audio	Dolby	Video	Preference
.. Preference Page ..				
Tv Type	Ntsc			
PBC	OFF			
Audio	Eng	English		
Subtitle	Eng	French		
Disc Menu	Eng	Spanish		
Parental	Chinese			
Password	Japanese			
Default	Korean			
	RUSSIAN			
	Others			
Preferred Menu Language				

Parental control levels

Parental lock will be selected. Press ►.

- Press ▲ or ▼ to select a parental control level (1–8), then press enter or select off to completely turn off the parental controls.
- Press the number buttons to set password by yourself, then press ENTER.

You cannot play DVD discs rated higher than the level you selected unless you cancel the parental lock function.

General Audio Dolby Video		Preference
.. Preference Page ..		
Tv Type	Ntsc	
PBC	OFF	1. Kid Safe
Audio	Eng	2. G
Subtitle	Eng	3. Pg
Disc Menu	Eng	4. Pg 13
Parental		5. Pgr
Password		6. R
Default		7. Nc17
		8. Audlt
Set Parental Control		

RATING EXPLANATIONS

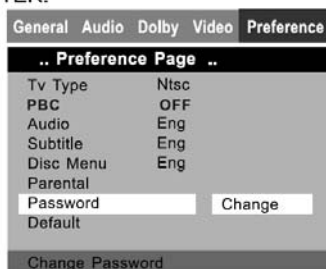
- KID SAF – Kid safe; it is safe even for kids.
- G – General Audience; recommended as acceptable for viewers of all ages.
- PG – Parental Guidance suggested.
- PG 13 – Material is unsuitable for children under age 13.
- PG-R – Parental Guidance-restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- R – Restricted, under 17 requires accompanying parent or adult guardian.
- NC-17 – NO children under age 17; not recommended viewing for children under age 17.
- ADULT – Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.

Notes: Parental control is a relatively new feature encoded into DVD discs. Currently very few DVD titles (if any) include parental control in the Australia and New Zealand region.

Parental control Password

Parental control limits viewing of DVDs when a DVD has movie rating that exceeds the parental level you selected.

To adjust the PARENTAL level so that DVDs cannot be played if the level has exceed, see PARENTAL CONTROL LEVELS. Press ▼ and ► to select password, CHANGE will be highlighted and then press ENTER.



- A box beside OLD password will be highlighted.
- Press the number buttons to enter your Old 4-digit password. The box beside NEW password will be highlighted automatically.
- Press the number buttons to enter new 4-digit password of your choice. The box beside CONFIRM PWD will be highlighted automatically.
- Press the number buttons to enter the same new 4-digit password you just entered for the NEW PASSWORD.
- Press ENTER to save the new password.

To clear 4-digit password if you forget your password, follow the procedure below.

1. At the change page enter 4-digit number "1369" (SUPERUSER PASSWORD) and then press ENTER.
2. Enter a new password.

NOTES: When first time to use this DVD player, "OLD PASSWORD" just press ENTER to bypass. Enter the NEW PASSWORD for this DVD player.

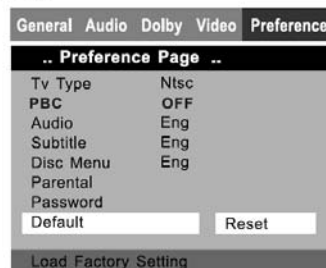
Default

To restore the original settings of the player, follow the steps below.

Press ▼ and ► to select DEFAULT.

RESET will be highlighted. Press ENTER.

- The original settings of the player will be restored.



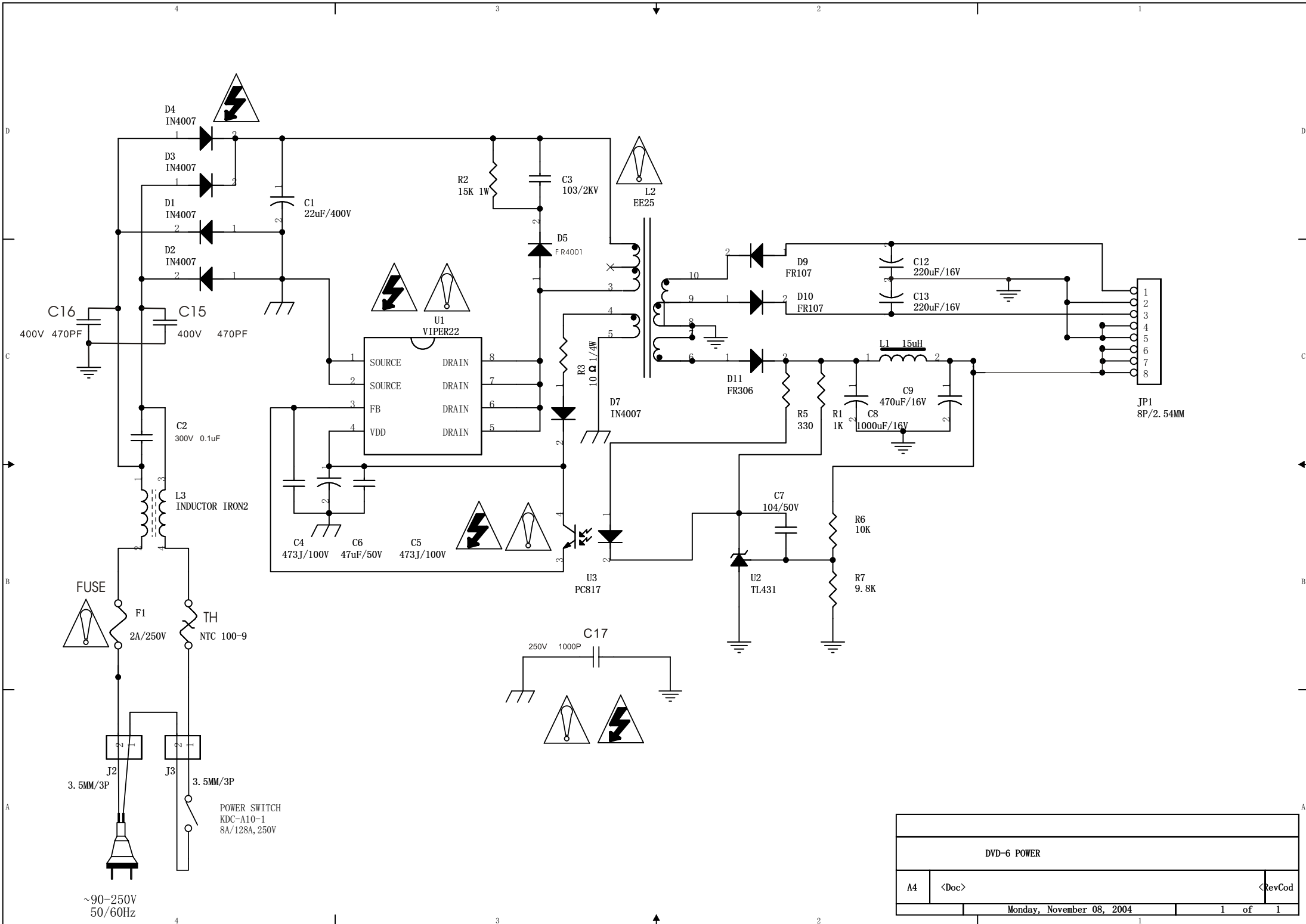
TROUBLE SHOOTING

Symptom	Correction
No power	Plug the power cord into the wall outlet securely.
No picture.	- Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen. - Connect the video cable into the jacks securely. - Turn on the TV.
No sound	- Check audio connections. - If you are using a HiFi amplifier, try another sound source.
The playback picture is poor	- Clean the disc. - Correct the TV / DVD player colour system.
The DVD player does not start playback.	- Insert a disc, if no disc inside the player. - Insert a playable disc. (Check the disc type, color system and Regional code.) - Place the disc with the playback side down. - Clean the disc. - Cancel the Rating function or change the rating level.
Severe hum or noise is heard.	- Wipe them with a cloth slightly moistened with alcohol. - Clean the disc. - Connect the speakers and components securely. - Move your TV away from the audio components.
The remote control does not work properly.	- Point the remote control at the remote sensor of the DVD receiver. - Operate the remote control within about 5m. - Remove the obstacle. - Replace the batteries with new ones.
Completely distorted picture or no colour	If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the colour system of your television.
The  icon appears on screen	- The DVD's software restricts it. - The DVD's software doesn't support the feature (eg., angles). - The feature is not available at the moment.

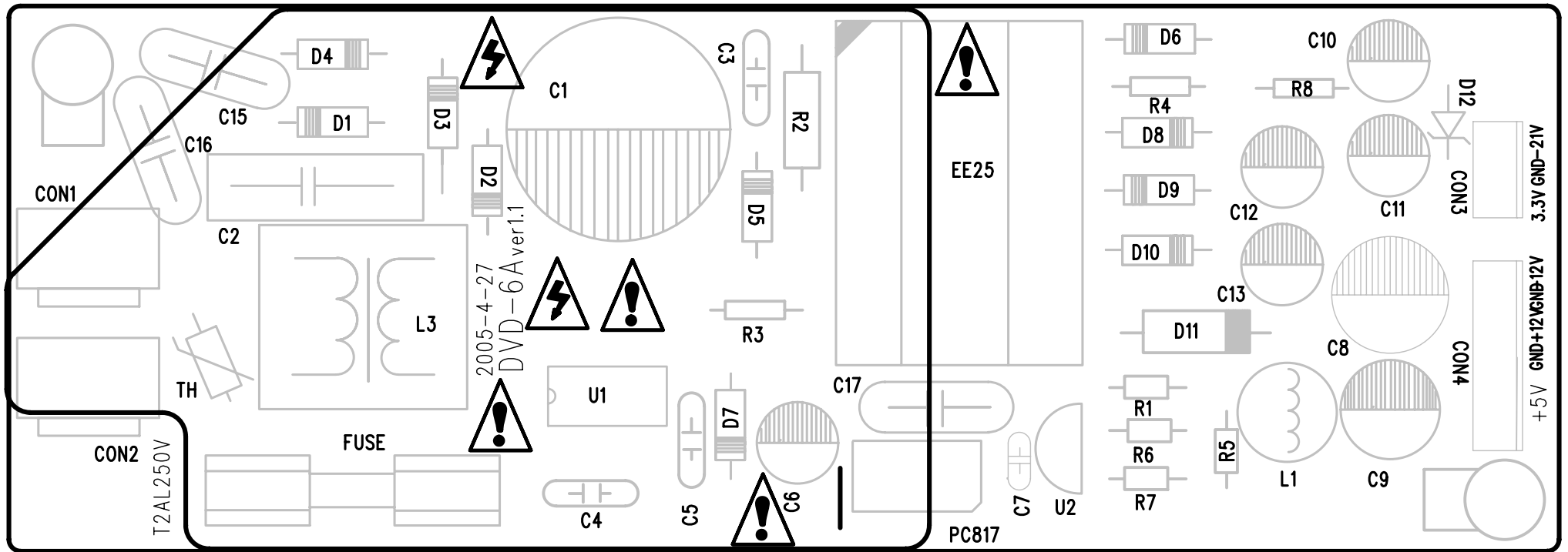
PART LIST

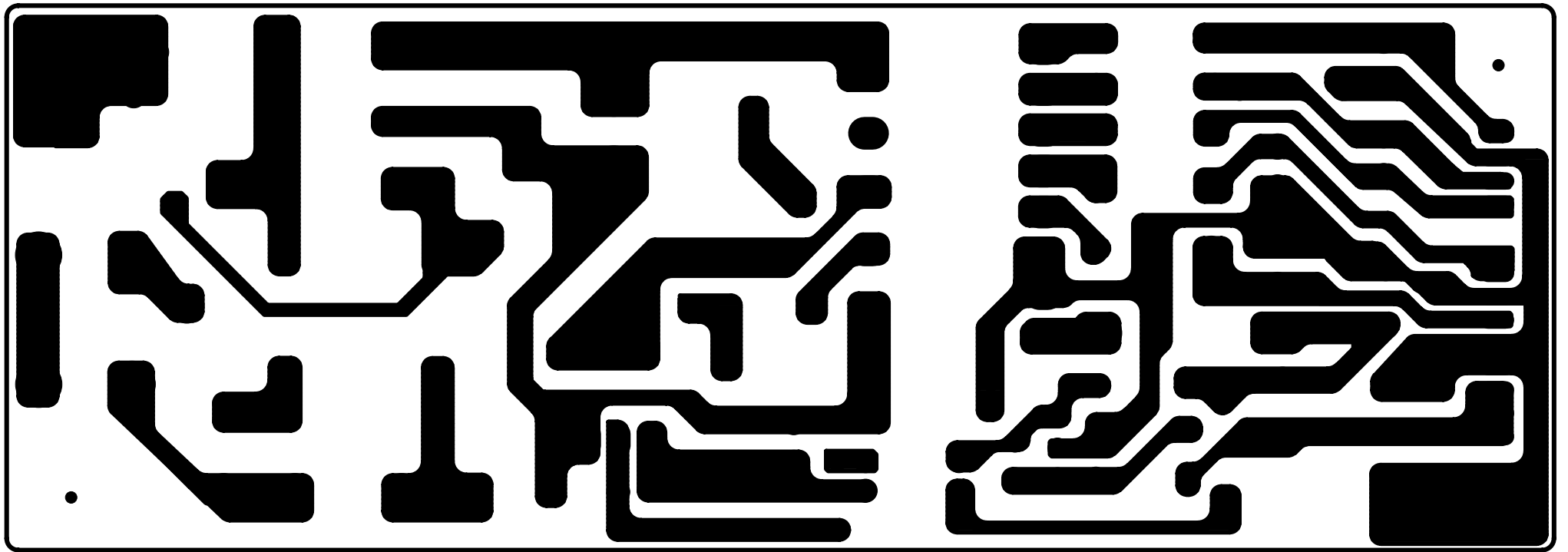
No.	Part Name	QTY	Unit	Location
1	Touch Switch (6*6*5MM 230g)	4	PCS	
2	C. Res (10Ω 1/4W)	2	PCS	
3	C. Res (47K 1/4W)	1	PCS	
4	C. Res (10K 1/6W)	3	PCS	
5	Electrolytic Cap (220UF/10V)	2	PCS	
6	IR (SM388B)	1	PCS	
7	Jump Wire (L=10MM)	3	PCS	
8	IC TM1628	1	PCS	
9	Display 6 x 8 (LED)	1	PCS	
10	Screw(PA3*8MM)	3	PCS	Ø6*7.5MM
11	Ceramic Cap (101/20V)	3	PCS	
12	DVD-3118E Panel	1	SET	
13	DVD-012 PCB Board	1	PCS	
14	Key-Press	1	SET	
15	CD Door	1	PCS	
16	Lens	1	PCS	
17	Loader Stand(JL-023)	1	PCS	DV-34 HD-65
18	DVD Loader(Sanyo DV-34 HD-65)	1	PCS	
19	Mpeg Board((MTK1389QE)	1	PCS	DV-34 HD-65
20	Power Board (DVD-6A)	1	PCS	
21	Casing (Top Cover, Rear Board, Bottom)	1	SET	
22	Power Cord(two pin 1.5M)	1	PCS	2*0.75 ,
23	54401 Connections(DVD-6A)	1	SET	
24	Nylon Fastener(100MM)	10	PCS	
25	Pyrocondensation pipe(Φ20*25MM)	1	PCS	Wrap Power Supply Switch
26	Aeroplane Stand (8MM)	2	PCS	Power Board
27	Screw(PA3*8MM)	1	PCS	for Optical Socket1
28	Screw(PB3*8MM)	3	PCS	for Mpeg Board
29	Screw(PWM3*6mm)	10	PCS	Top 6, Panel 3,Mpeg Board 1
30	Screw(PWM3*4mm)	3	PCS	Rear Board 3
31	Screw(PWM3*14mm)	2	PCS	for Power Board 2
32	Screw(FM3*6mm)	2	PCS	Side 2
33	Screw(PWM3*8mm)	4	PCS	Loader Stand
34	Plastic Socket (H=8MM)	2	PCS	Power Board
35	DVD-3118E manual (DVD)	1	PCS	English + Russian
36	Remote Control(GLD-04)	1	PCS	
37	Sponge Gasket ((Φ16MM x 5MM)	4	PCS	
38	Power Switch	1	PCS	
39	C. Res (1K 1/4W)	1	PCS	R1
40	C. Res (10Ω 1/4W)	1	PCS	R3
41	C. Res (10K 1/4W)	2	PCS	R6 R7 (R6 R7)
42	C. Res (15K 1W)	1	PCS	R2
43	C. Res (330Ω 1/4W)	1	PCS	R5
44	Electrolytic Cap(22UF/400V)	1	PCS	C1
45	Electrolytic Cap(1000U/16V)	1	PCS	C8 Ø10*17MM
46	Electrolytic Cap(220UF/16V)	2	PCS	C11 C12 Ø6*12MM
47	Electrolytic Cap(470UF/16V)	1	PCS	C9 Ø8*12MM
48	Electrolytic Cap(47UF/50V)	1	PCS	C6 Ø6*12MM
49	Ceramic Cap(104P/50V)	1	PCS	C7
50	Ceramic Cap(473P/50V)	1	PCS	C5
51	Terylene Cap(473P/50V)	1	PCS	C4
52	CBB Cap(0.1UF/300V)	1	PCS	C2
53	High Voltage Ceramic Cap(102/4KV)	1	PCS	C17
54	Diode(IN4007)	5	PCS	D1 D2 D3 D4 D7
55	Diode(FR360)	1	PCS	
56	Diode(FR107)	3	PCS	D5 D9 D10
57	IC(VIPER22)	1	PCS	U1
58	IC(TL431)	1	PCS	U2
59	Phototube(PC817)	1	PCS	U3
60	58703 Pulse Transformer(EI25B)	1	PCS	L3 LED
61	220V Filter	1	PCS	L3
62	Magnetic Core Inductance (15UH)	1	PCS	L1
63	Fuse Pipe(BLX-A Type)	1	PCS	
64	Fuse Pipe(T2AL250V)	1	PCS	
65	Pin Socket (8P2.0MM)	1	PCS	CON4
66	Pin Socket(3P3.5MM)	2	PCS	CON1 CON2
67	Jump Wire (L=10MM)	2	PCS	JMP1 TH
68	DVD-6A PCB Board 1.6MM	1	PCS	
69	High Voltage Ceramic Cap(103/1KV)	1	PCS	C3
70	Earth-Patch	2	PCS	
71	High Voltage Ceramic Cap(470K/4KV)	2	PCS	

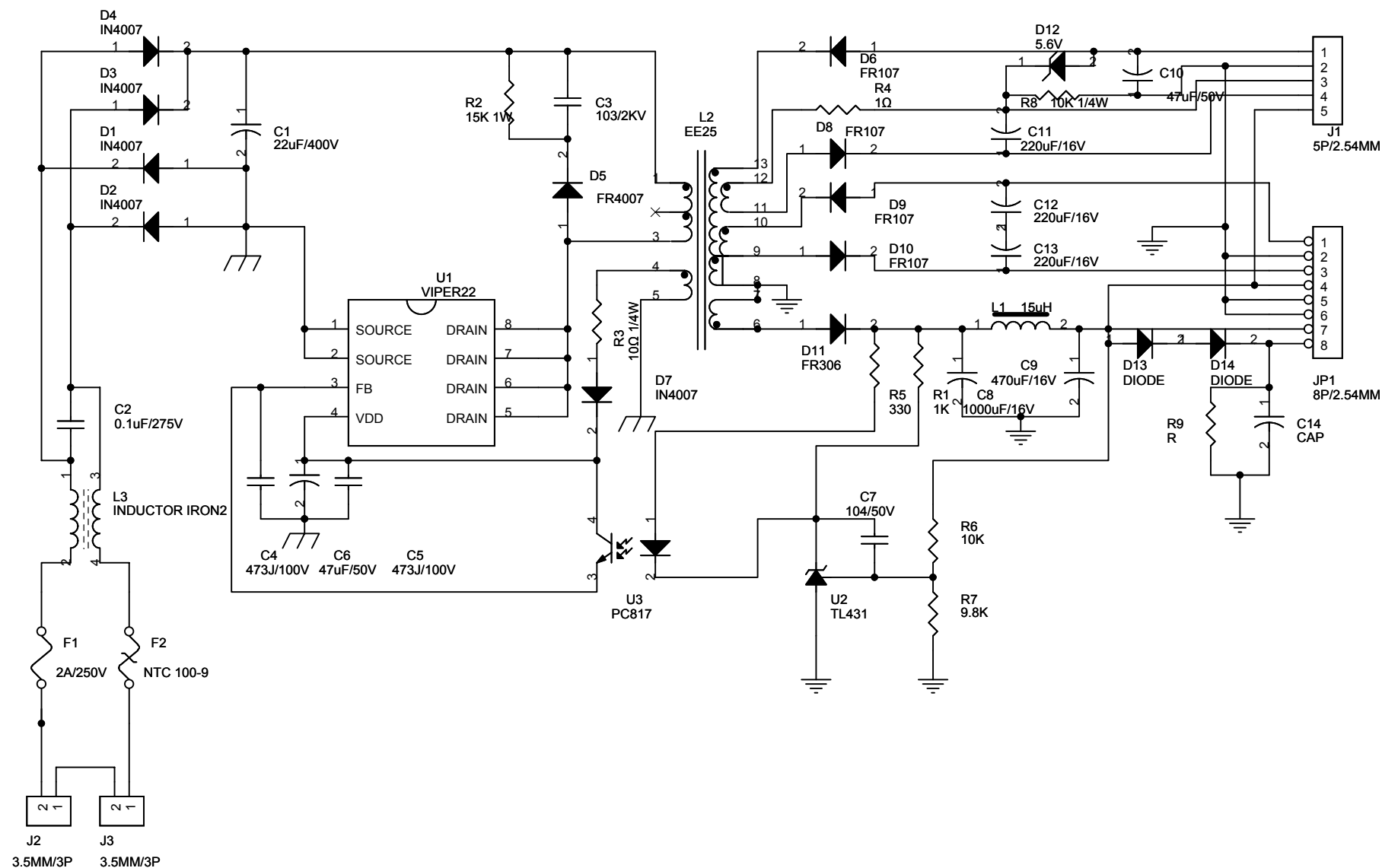
APPENDIX



DVD-6 POWER		
A4	<Doc>	<RevCod
Monday, November 08, 2004 1 of 1		







公司名称：好威电子（深圳）有限公司

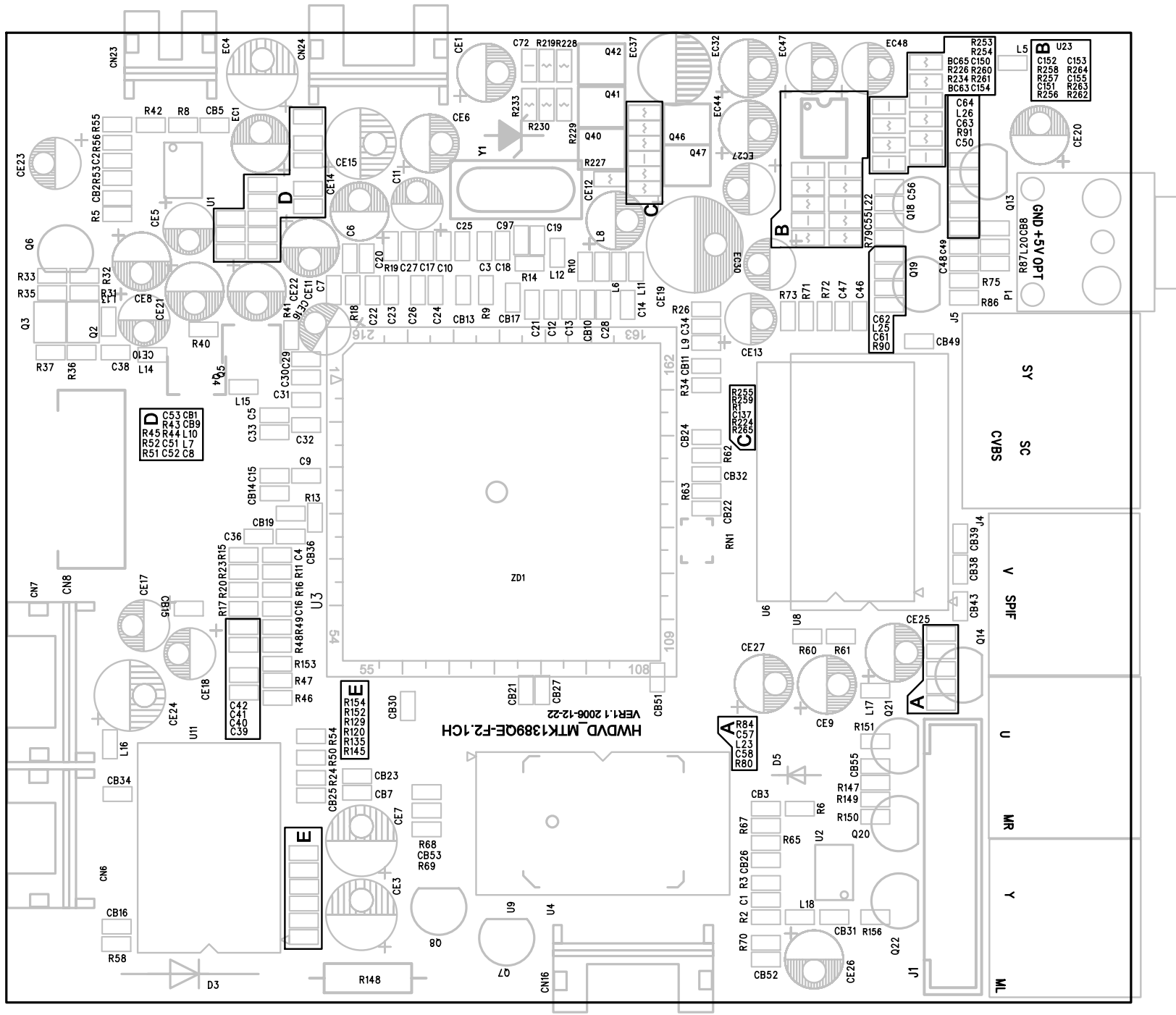
图纸名称：DVD-6 POWER

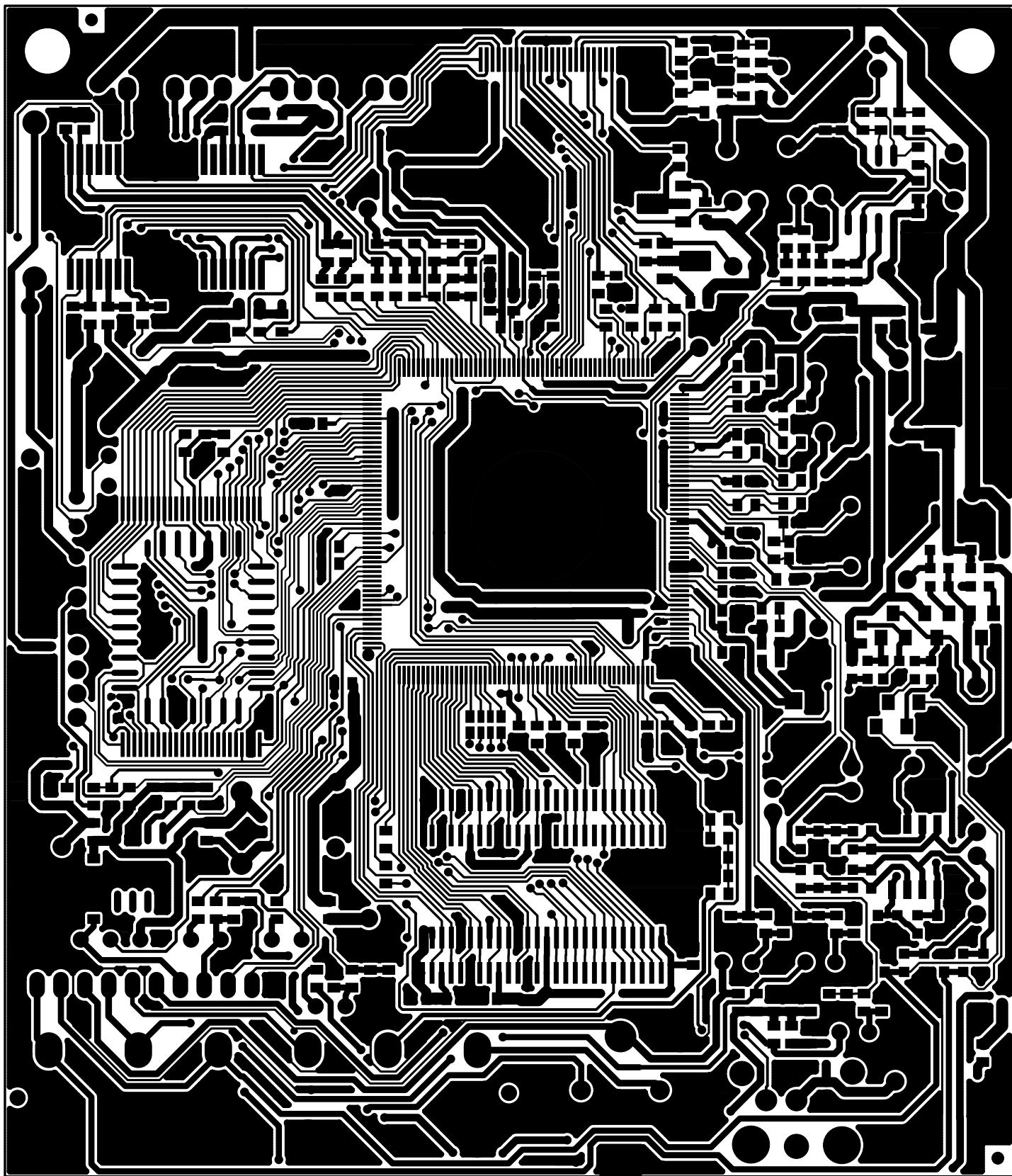
尺寸：A4

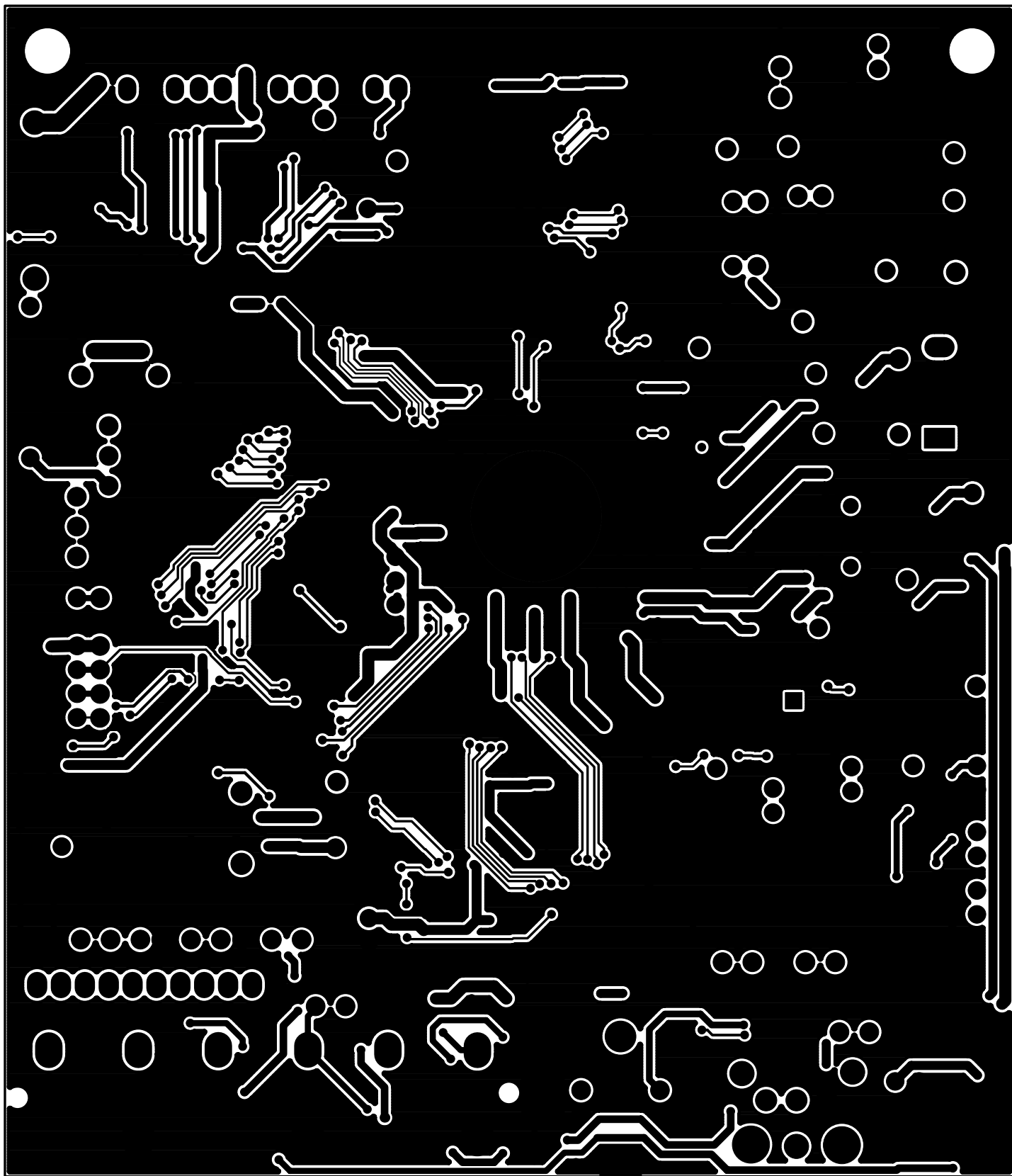
文件名：<Doc>

版本：<RevCode>

设计：熊青松日期：Monday, November 08, 2004 页码：1 of 1





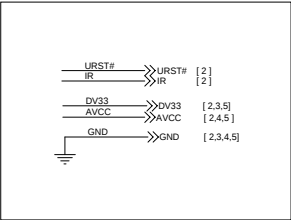
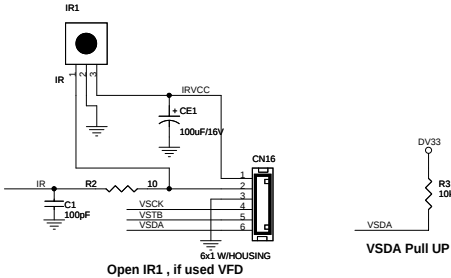


MT1389E (LQFP216) DVD MP Board for SANYO HD60 PUH

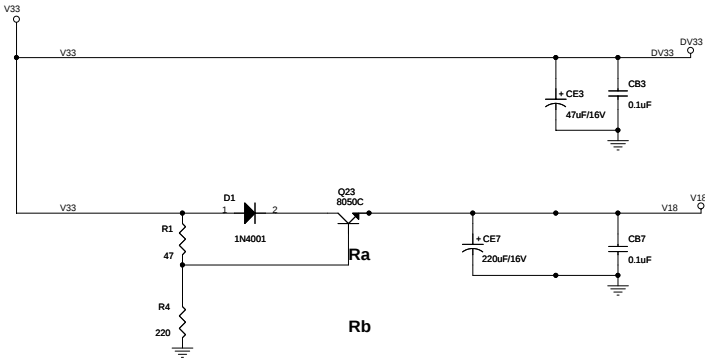
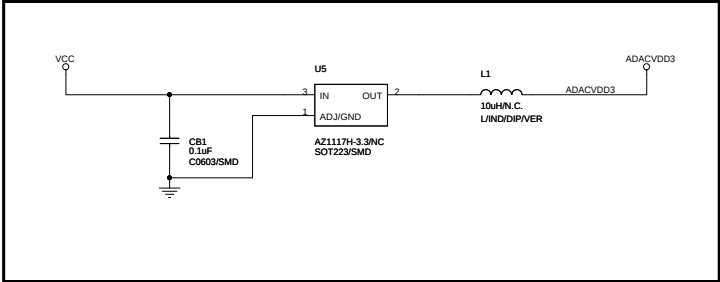
- 1 INDEX & POWER, RESET
- 2 MT1389E
- 3 SDRAM & FLASH
- 4 VIDEO OUT & AV-CON
- 5 AUDIO OUT - WM8766

Rev	History	P#	Date
V1	Initial released. Modified from 3-SY1389DP1-V11		2005.01.19
V2	Add SCART and VGA output		2005.03.01

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
AV33	Laser Diode 3.3V	
V18	Digital 1.8V	MT1389E
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
AVDD5	Audio 5V	Audio DAC
DVDD3	Audio 3.3V	



Reserved for testing



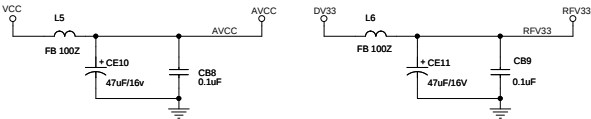
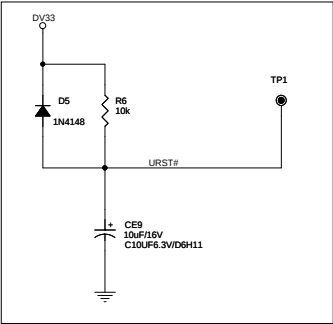
AZ1117	Rb	Ra
Fix regulator	0 ohm	OFF
Adj regulator	300 1%	680 1%

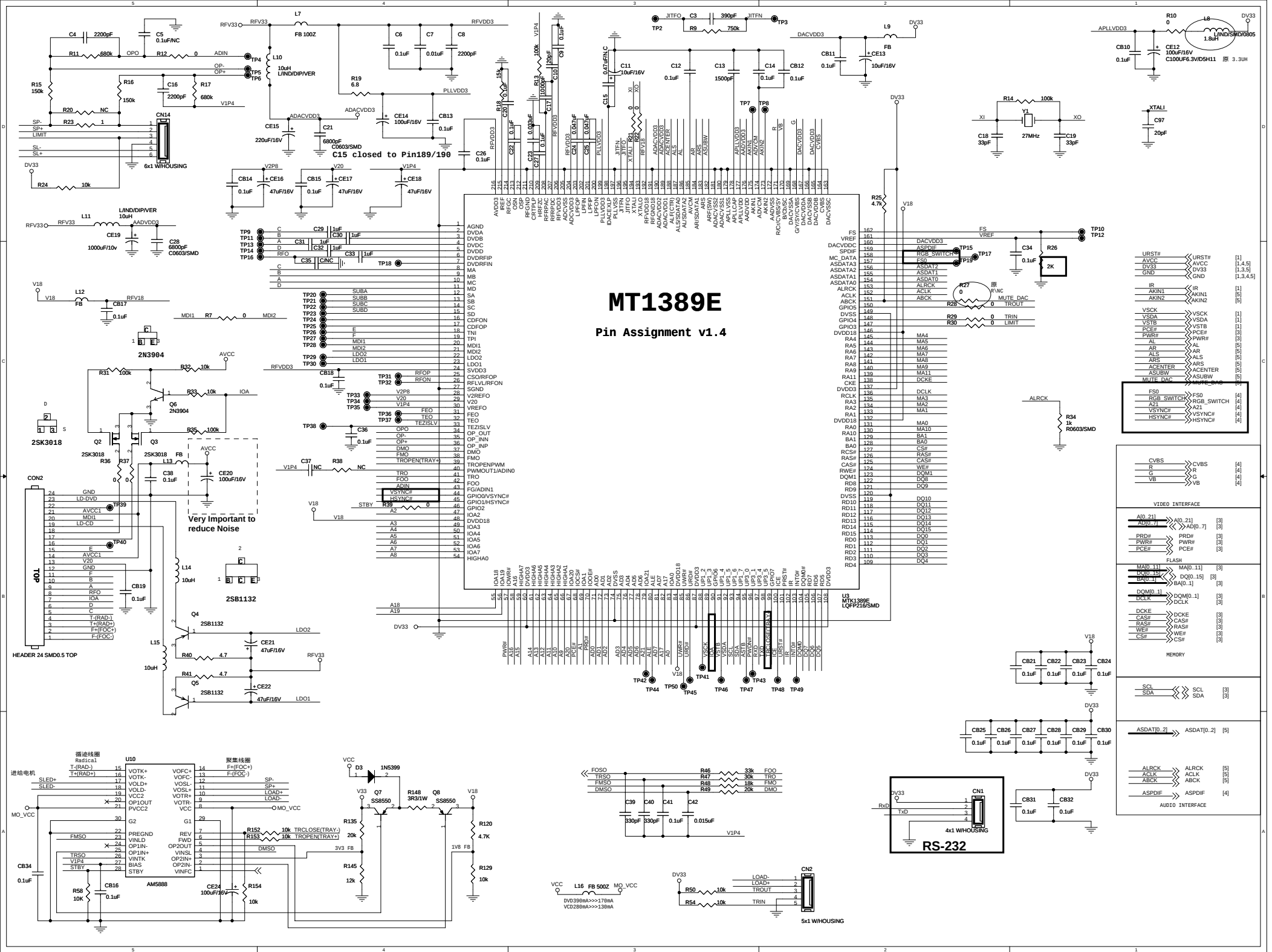
1.25x(1+Rb/Ra)

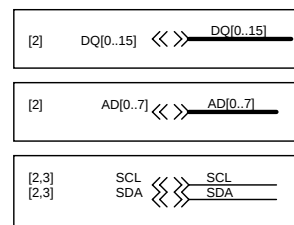
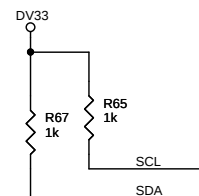
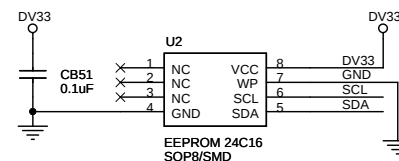
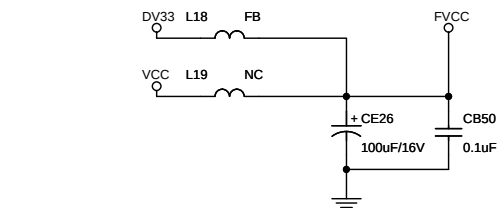
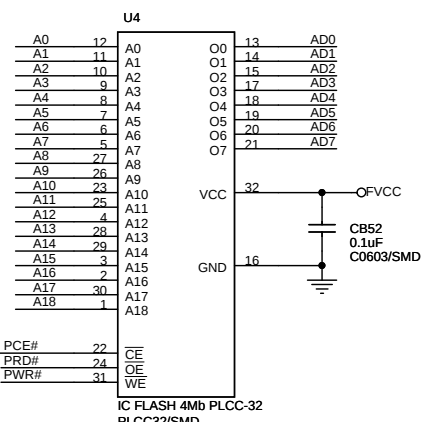
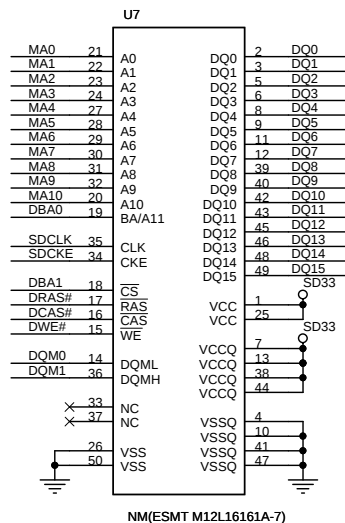
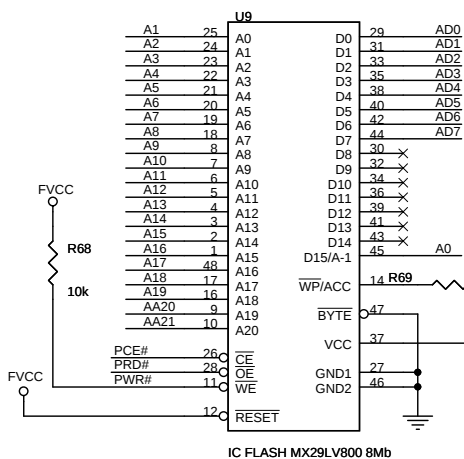
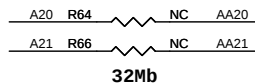
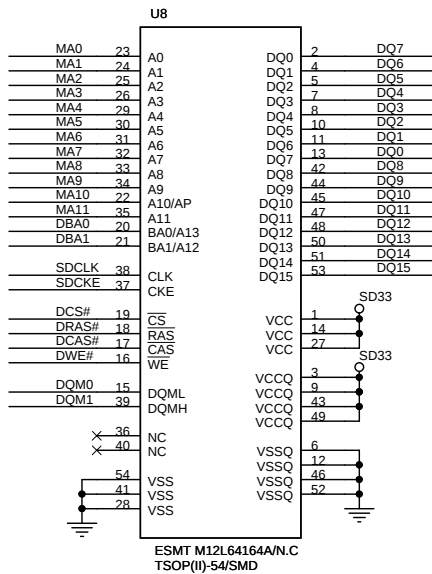
Note for Fix or Adj Regulator

Ra = 680 FOR 1.8V
Ra = 560 FOR 1.92V

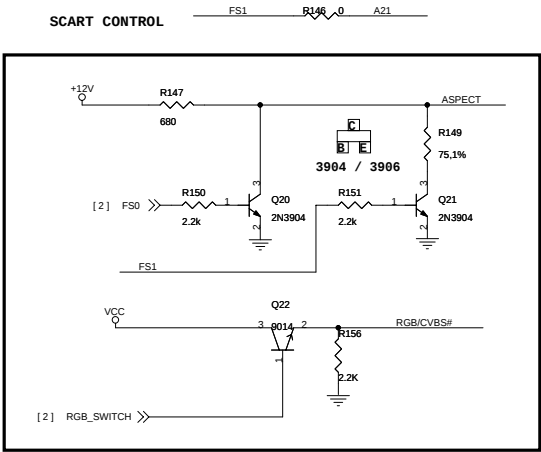
RESET Circuit



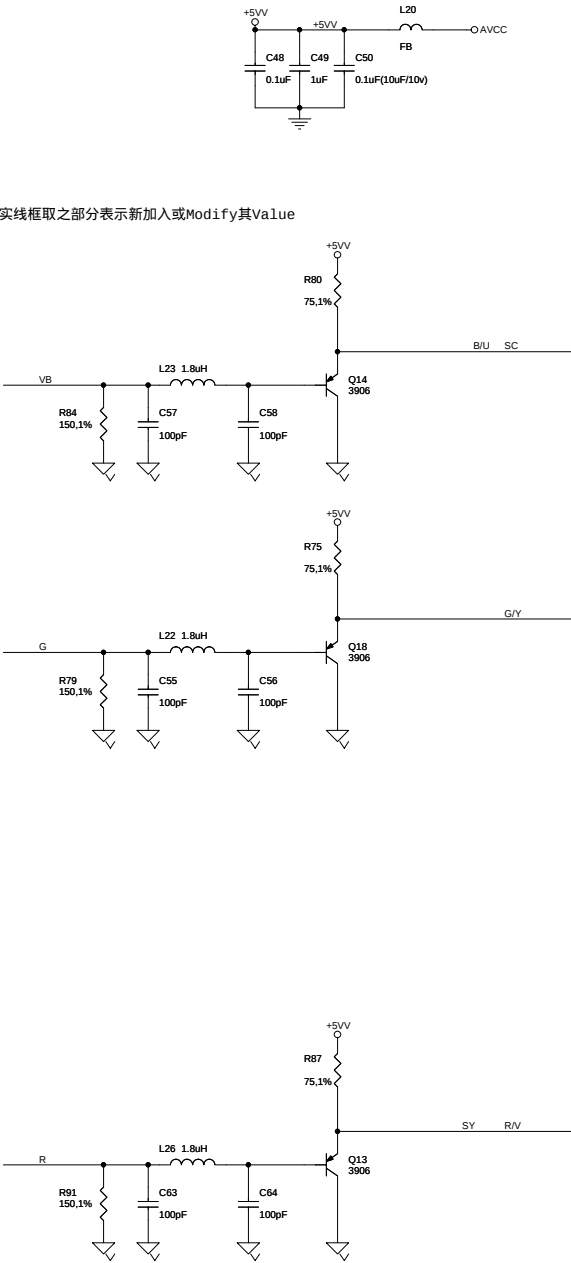




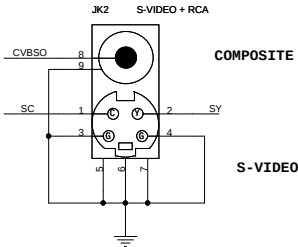
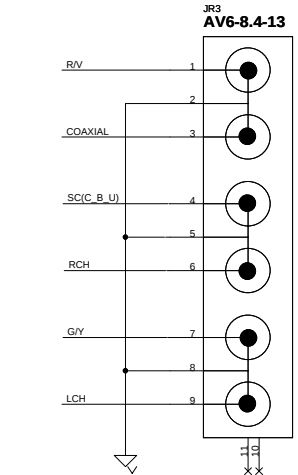
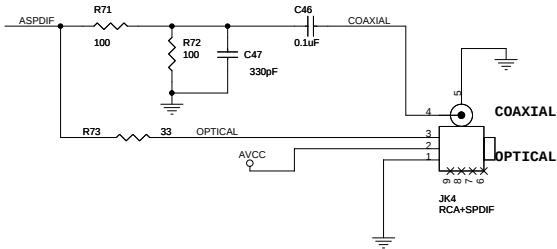
[1,2,5]	AVCC	AVCC
[1,2,3,5]	GND	GND
[2]	CVBS	CVBS
[2]	R	R
[2]	G	G
[2]	VB	VB
[2]	ASPDIF	ASPDIF
[5]	LCH	LCH
[5]	RCH	RCH
[5]	LSCH	LSCH
[5]	RSCH	RSCH
[5]	CENT	CENT
[5]	SUB	SUB
[2]	HSYNC#	HSYNC#
[2]	VSYNC#	VSYNC#
[2]	FS0	FS0
[2]	A21	A21
[2]	RGB_SWITCH	RGB_SWITCH



绿色实线框取之部分表示新加入或Modify其Value



Note:Video is the low resistance output



Title

Size Document Number

Date:

Rev

Checked: Sheet of

