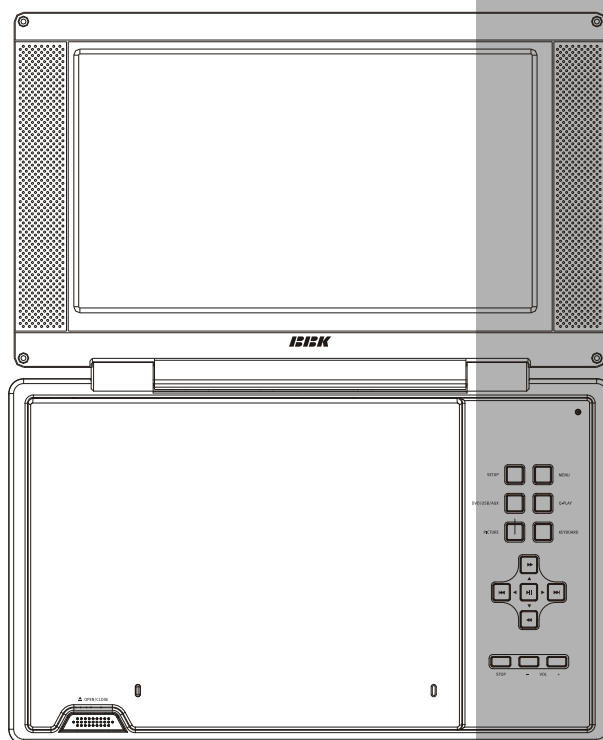


IBBK

DL386SI(RU)

Service Manual



Model version:SI2.00

Catalog

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Caution :

This Service Manual is only applicable to DL386SI(RU) SI2.00.

Chapter One About Maintenance

1.1 Safety precautions

1.1.1 Power Safety Warning

Voltage of Portable DVD is safe low voltage, but there is 220V AC high voltage on Power Adapter, it can cause damage to body ! Maintenance personnel should take extra care.

1.1.2 Precautions for antistatic

Movement and friction will both bring static electricity which causes serious damages to integrated IC. Though static charge is little, when a limited quantity of electric charge is added to large scale integrated IC, as the capacitance is very small in the meantime, now the integrated IC is very much easy to be struck through by static electricity or the performance will decrease. Thus static electricity prevention is of extraordinary importance. The following are several measures to prevent static electricity:

1. Use a piece of electric conduction metal with the length of about 2 metres to insert into the earth, and Fetch the lead wire from the top of the surplus metal and connect to the required static electricity device. The length and depth of the metal embedded under the earth should be determined according to the wettability of the local soil. For humid places, it may be shorter, and longer and deeper for dry places. If possible, it can be distributed and layed in terms of “#” shape.

2. On operating table-board, the antistatic table cushion should be covered and grounded.

3. All devices and equipments should be placed on the antistatic table cushion and grounded.

4. Maintenance personnel should wear antistatic wrist ring which should be grounded.

5. Places around the operating position should also be covered with electric conduction cushion or Painted with antistatic paint.

1.1.3 Precautions for display screen

1. Display screen is breakable article, so please protect carefully when carrying and prevent fingers or hard objects striking the screen to damage structure of the screen.

2. When cleaning screen, do not use organic chemicals. You should use cloth and use small amount of special cleaning liquid in places difficult to clean.

1.1.4 Precautions for laser head

1. Do not stare at laser head directly, for laser emission will occur when laser head is working, which will Hurt your eyes!
2. Do not use wiping water or alcohol to clean laser head, and you may use cotton swab.

1.1.5 About placement position

1. Never place TV in positions with high temperature and humidity.
2. Avoid placing near high magnetic fields, such as loudspeaker or magnet.
3. Positions for placement should be stable and secure.

1.2 Maintenance method

1.2.1 Electric resistance method

Set the multimeter in resistance position and test whether the numerical value of resistance of each point in the circuit has difference from the normal value to judge the trouble spot. But in the circuit the tested numerical value of resistance is not accurate, and the tested numerical value of integrated IC's pins can only be used for reference, so the elements should be broken down for test.

1.2.2 Voltage method

Voltage method is relatively convenient, quick and accurate. Set the multimeter in voltage position and test power supply voltage of the player and voltage of a certain point to judge the trouble spot according to the tested voltage variation.

1.2.3 Current method

Set the multimeter in current position and test current of the player of a certain point to judge the trouble spot. But when testing in current method, the multimeter should be series connected in the circuit, which makes this method too trivial and troublesome, so it is less frequently used in reality.

1.2.4 Element substitution method

When some elements cannot be judged good or bad, substitution method may be adopted directly.

1.2.5 Cutting method

Cutting method should be combined with electric resistance method and voltage method to use. This method is mainly used in phenomena of short circuit and current leakage of the circuit. When cutting the input terminal voltage of a certain level, if voltage of the player rises again, it means that the trouble lies in this level.

1.2.6 Visualized method

Directly view whether abnormalities of collision, lack of element, joint welding, shedding welding, rosin joint, copper foil turning up, lead wire disconnection and elements burning up among pins of Elements appear. Check power supply of the machine and then use hands to touch the casing of part of elements and check whether they are hot to judge the trouble spot. You should pay more attention when using this method to check in high voltage parts.

1.2.7 Comparison method

A same good PC board is usually used to test the correct voltage and waveform. Compared these data with those tested through fault PC board, the cause of troubles may be found.

Through the above maintenance method, theoretical knowledge and maintenance experience, all difficulties and troubles will be readily solved.

1.3 Required device for maintenance

- ◆ Audio Generator
- ◆ Digital oscillograph ($\geq 100\text{MHE}$)
- ◆ SMD rework station
- ◆ Multimeter
- ◆ Soldering iron
- ◆ Pointed-month pincers
- ◆ Cutting nippers
- ◆ Forceps
- ◆ Electric screw driver
- ◆ Terminals connecting cord
- ◆ Headphone
- ◆ Microphone

Chapter Two

Functions and Operation Instructions

2.1 Features

This portable DVD player has a color large-format TFT LCD and the newest decoding processor, and due to this fact enables you to enjoy high-quality picture and sound. The reading discs mechanism has the latest error protection, so it can work in difficult conditions of shaking and vibration.

Compatible Disc Types:

#Digital video playback: DVD-Video, Super VCD, VCD compatibility

#MPEG-4 standard support: compatibility with Divx3.11, Divx4, Divx5, Divx Pro, XviD compressed video files

#Digital audio playback: CD-DA and HDCD compatibility

#Fully compatible with compressed audio files such as OGG and WMA

#Digital graphic albums playback: Kodak Picture CD, JPEG compatibility

Video:

#Color TFT LCD

#Composite video inputs for external signal source

Audio:

#Stereo signal input for external signal connection

#Digital decoders, providing Dolby Digital/DTS audio stream playing

#Built-in stereo audio system

#Headphones output (All models except DL374SI, DL386SI have two headphones outputs).

Storage battery:

Model	WMA playback(closed lid)	WMA+JPEG playback	DVD playback
DL370SI, DL372SI, DL374SI, DL386SI, DL3103SI	5h.	2.5h.	3h.
DL375SI, DL376SI	6h.	3h.	3.5h.
DL377SI, DL387SI	6h.	2h.	2.5h.

Others:

#Compatible disc types: CD-R/CD-RW, DVD-R/DVD-RW, DVD+R/DVD+RW

#Russia, CIS and Baltic States adaptation interface and filenames, ID3-tags and CD-Text support simplifies device operation

#"Memory" function enables to save the last point after stop playback

#"Q-Play" function provides direct playback and allows to skip commercial that is not possible to rewind

#"Virtual Keyboard" function provides more convenient DVD playback control

#"Browser" function provides easy access to playback control

#Parental control function to protect children from watching inappropriate discs

#Large capacity battery enables to watch movies outdoors

#Electrical connector for external equipment(5V)

#Modern shaking and vibration protection technology

#Good transportation bag

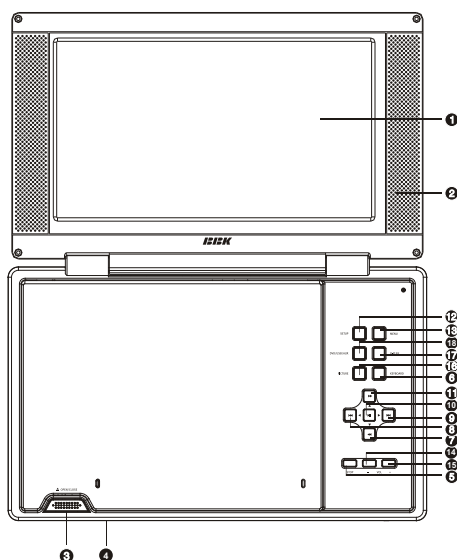
2.2 Set list

Portable DVD player	1pcs
Battery	1pcs
Charger/adapter	1pcs
Adapter cable	1pcs
Car charger/adapter	1pcs
AV cabler	1pcs
Remote control	1pcs
Battery (AAA s i z e)	2pcs
Audio cable	1pcs
Video cable	1pcs
Transportation bag	1pcs
Headphones	1pcs
Warranty card	1pcs
User manual	1pcs

2.3 Controls and functions

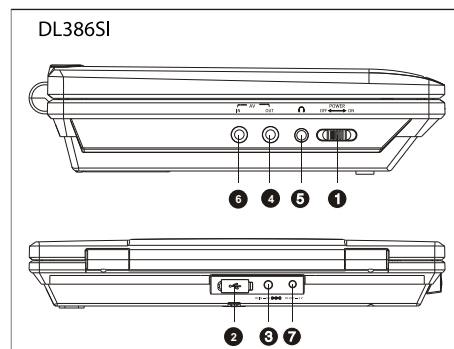
Portable DVD player overview

DL386SI



- ① **TFT LCD**
- ② **Built-in loud-speaker**
- ③ **OPEN/CLOSE button**
- ④ **Sensor of infrared beams**
- ⑤ **STOP button**
Press to stop the playback.
- ⑥ **KEYBOARD/SWITCH button**
- ⑦ **REW/DOWN button**
Press to skip reverse/down.
- ⑧ **RREV /LEFT button**
Press to play from previous mark/left.

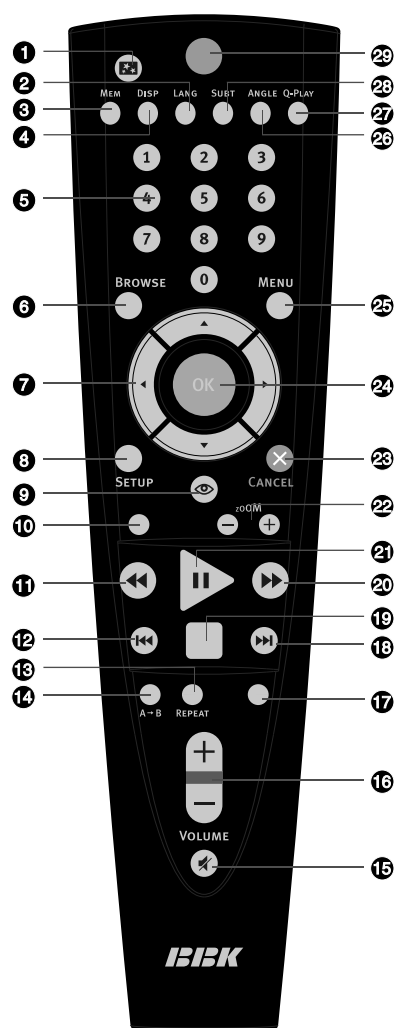
- ⑨ **NEXT/RIGHT button**
Press to play next/right.
- ⑩ **PLAY/PAUSE button**
- ⑪ **FWD/UP button**
Press to skip forward/up.
- ⑫ **SETUP button**
Press to switch setup mode.
- ⑬ **MENU button**
Press to switch disc menu.
- ⑭ **VOL-button**
- ⑮ **VOL+button**
- ⑯ **PICTURE button**
Press to adjust picture.
- ⑰ **Q-PLAY button**
Press to turn Q-Play mode on.
- ⑱ **DVD/USB/AUX button**
Press to change signal source.



- ① **Power button**
Press to switch off the player.
- ② **USB port**
- ③ **Power socket**
- ④ **AV OUT**
- ⑤ **Headphones output-1**
- ⑥ **AV IN**
- ⑦ **External devices socket**

2.4 Remote control general view

- ❶ **Screensaver button**
Activation of screensaver function.
- ❷ **LANG button**
Press to change language.
- ❸ **MEM button**
Press to memorize the point where playback was stopped/playback from the previously memorized point.
- ❹ **DISP button**
Press to display the disc information.
- ❺ **Numeric buttons**
- ❻ **BROWSE button**
Press to turn on/off the browser function.
- ❼ **CURSOR buttons**
- ❽ **SETUP button**
Press to switch to setup mode.
- ❾ **Button** 
Press to turn on/off the virtual control panel.
- ❿ ** /SOURCE button**
 Button (for DL370SI, DL372SI, DL375SI, DL3103SI)
Press to change image settings.
SOURCE button (for DL374SI, DL376SI, DL377SI, DL386SI, DL387SI)
Press to change signal source.
- ⓫ **Button** 
Press to start rewind/rewind scanning.
- ⓬ **Button** 
Press to skip backward.
- ⓭ **REPEAT button**
Press to repeat playback.
- ⓮ **A-B button**
Press to repeat the selected portion.
- ⓯ **Button** 
Press to turn on/off the sound.



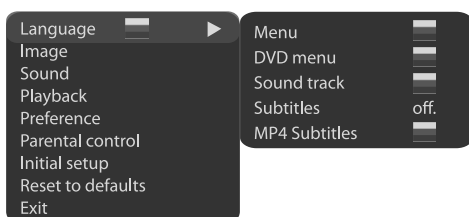
- ⓯ **VOLUME+/- button**
Press to adjust the volume.
- ⓰ **CAPTURE/SOURCE/PICTURE button**
CAPTURE button (for DL370SI, DL372SI)
Press to save picture as a screensaver.
SOURCE button (for DL375SI, DL385SI, DL3103SI)
Press to change signal source.
PICTURE button (for DL374SI, DL376SI, DL377SI, DL386SI, DL387SI)
Press to change picture mode.
- ⓱ **Button** 
Press to skip forward.
- ⓲ **Button** 
Press to stop the playback.

- 20 **Button**  Press to start forward/forward scanning.
- 21 **Button**  Press to normal playback/pause.
- 22 **ZOOM+/- button** Press to zoom in/out.
- 23 **CANCEL button** Press to go one level back/cancel current operation.
- 24 **OK button**
- 25 **MENU button** DVD disc menu/PBC function.
- 26 **ANGEL button** Press to change the camera angel.
- 27 **Q-PLAY button** Press to turn the Q-Play mode on.
- 28 **SUBT button** Press to change the subtitles language.
- 29 ** Button** Button  (for DL370SI, DL372SI, DL374SI, DL376SI, DL377SI, DL386SI, DL3103SI) Press to switch on/off the device.
Button  (for DL375SI, DL387SI) Press to switch on/into standby mode.

2.5 FUNCTION SETTINGS

2.5.1 Function selection and change

- #Press the SETUP button to show the setup menu. You will see the following image on the screen, as shown on the figure:
- #Select the desired menu item using the UP/DOWN buttons button; press the OK button for confirmation.



1. For example, if you wish to change the image settings, You have to select the image item and press the OK or RIGHT key.
2. Using the UP/DOWN buttons, select the desired item and press OK or RIGHT button. For example, select the TV format item. Settings will appear on the screen. Then select the desired TV 16:9 and press OK for confirmation.
3. Press LEFT for exit to previous menu level.
4. Press SETUP to exit setup menu.



2.5.2 Language settings

1. Menu: interface language set-up
#Options: Russian, English, Ukrainian, Romanian.
#Default option: Russian.
 2. DVD menu: selection of disc menu language
 3. Sound: selection of translation language
#Disc menu/translation language options: Russian, English, Estonian, Lithuanian, Kazakh, Romanian, Belarusian, Ukrainian, Chinese.
#Default menu/translation language option: English.
#Selection of other languages: select the OTHERS item using the wheel and press OK. Enter the language code using the numeric buttons and press OK.
- #If the language you selected is not recorded on the DVD disc, another available language will be used.



4. DVD Subtitles: selection of subtitles language
#Options: Off, Russian, English, Estonian, Lithuanian, Kazakh, Romanian, Belarusian, Ukrainian, and Chinese.
#Default option: Off.
#Selection of other languages: select the OTHERS item using the wheel and press OK. Enter the language code using numeric buttons and press OK.

#If the language you selected is not recorded on the DVD disc, another available language will be displayed.

5. DVD Subtitles: selection of subtitles language
#Options: Russian, English, Romanian and Ukrainian.

#Default option: Russian.

2.5.3 Image settings menu

1. TV system: TV system selection

#Options: Auto, PAL, NTSC.

#Default option: Auto.

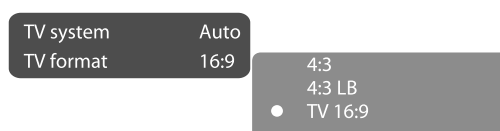
2. TV Format: image ratio settings

#Options: 4:3 pan&scan, 4:3 letterbox and 16:9 TV.

#Default option: 16:9 TV.

#Some discs are recorded with support of only one ratio.

The selected ratio must comply with the TV screen.



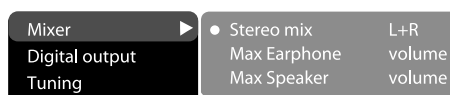
2.5.4 Sound settings menu

1. Mixer

a) Configuration: setting of the mode for conversion Of L+R to L or R.

#Options: L+R, R, L.

#Default option: L+R.



B)Max volume of headphone: this item is used to set the maximum volume headphone.

#Options: Low, Medium, High.

#Default: Low.

C)Max volume of speaker: this item is used to set the maximum volume of speaker.

#Options: Low, Medium, High.

#Default: Medium.



3. Tuning

A)Max volume: max volume limiting

#Using the cursor buttons, adjust the max volume level.

#Press the LEFT key to return to sound correction set-up menu.

B)Equalizer: equalizer modes

#Options: Off, rock, pop, live dance, techno, classics, soft.

#Default option: Off.

C)Echo:echo effects

#Options: Off, concert, living room, hall, bathroom, cave, arena, church.

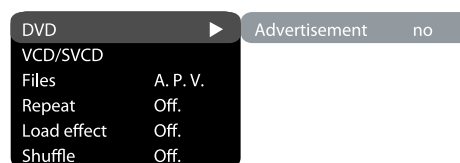
#Default option: Off.

D)Tone balance: adjustment of tone balance level.

#Adjust the tone balance level using the cursor buttons.

#Press the LEFT button to return to sound correction set-up menu.

2.5.5 Playback settings



1.DVD

Advertisement skip: skip the unskippable block while playing a DVD disc.

#Options: Yes, No.

#Default option: No.

2.VCD/SVCD

PBS menu: PBS menu on/off

#Options: On, Off.

#Default option: On.

#If On option is set , while reproducing discs, a menu will appear, in which you can select the order of playing the disc content. If the Off option is set, the reproducing of content is performed in the order, in which it is recorded on the disc.

3.Files: selection of reproduced files on the disc

#Options: Audio, Pictures, Video.

#Default option: A. P. V

4.Repeat: file repeat mode

#Options: Off, Single, All.

#Default option: Off.

5.Shuffle: shuffle files from the playlist

#Options: Off, On.

#Default option: Off.

2.5.6 Preference settings



1.Equalizer: spectrum analyzer

#Options: On, Off.

#Default option: Off.

2.Screensaver: screen saver on/off

#Options: On, Off.

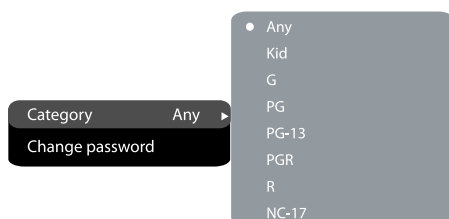
#Default option: On.

2.5.7 Family filter settings

1.Category: set-up of age restrictions to prevent children from seeing undesirable discs.

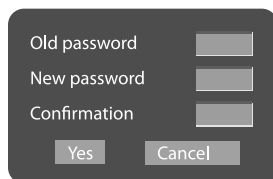
#Options: Any, Kid, G, PG, PG-13, PGR, R, NC-17

#Default option: Any.



2.Change password: set-up of a four-digit password to change the level of age restrictions.

Default option:7890.



2.6 OTHERS

2.6.1 Useful notes

#To extend the service life of your DVD player make pauses of not less than 30 seconds between switching off and repeatedly switching on the DVD player.

#Disconnect the DVD player from the wall outlet after shutdown.

#Some DVD player's functions may not be applied to some discs.

#Use supply sources of rated voltage, otherwise the DVD player may not function or be damaged.

#In case of the DVD player's occasional stops, please switch the power supply off and then on again.

2.6.2 Trouble shooting

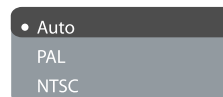
Please check probable causes of malfunction before addressing the service center.

Sign of trouble	Cause of trouble	Actions to eliminate the trouble
No sound	1.Poor audio cable connection. 2.Disc dirty or damaged. 3.Sound disabled by the MUTE button.	1.Make proper connection. 2.Clean the disc. 3.Press the MUTE button.
No image	1.Poor video cable connection.	1.Make proper connection.

2.5.8 Initial settings menu

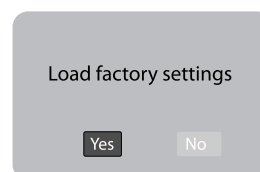
#Press the RIGHT key to enter the initial settings menu, then select the desired item using the cursor buttons and press OK key for confirmation.

#While being in this menu section, you cannot return to the previous level by pressing the LEFT key.



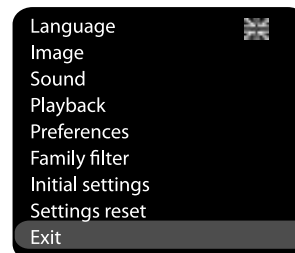
2.5.9 Reset settings to default

#Resetting all settings and restoring default options, except age restrictions level and password.



2.5.10 Exit settings menu

#Select the exit item using the UP/DOWN buttons and press the OK key to exit the menu.



Black and white image	1.Color level adjusted incorrectly.	1.Readjust the color system .
Discs cannot be read	1.Disc not inserted. 2.Disc inserted incorrectly. 3.Condensate on the DVD player's laser head.	1.Insert the disc . 2.Install the disc with the label side facing up. 3.Switch the DVD player on without disc for an hour.
Remote control does not operate	1.Remote control is incorrectly directed at the DVD player's screen. 2.Distance to the DVD player is in excess of 8 meters. 3.Run out batteries.	1.Use the remote control according to the manual. 2.Decrease the distance to the DVD player. 3.Replace both batteries.
Some functions do not work	1.Disc is recorded incorrectly. 2.Incorrect key sequence. 3.Static voltage on the DVD player's housing.	1.Wait 5-10 seconds and the DVD player will automatically return to normal state. 2.Repeat the operation one more time. 3.Switch the DVD player off for 1-2 minutes and then switch it on again.
Image fault	1.Battery charge is consumed.	1.Charge your battery or connect adapter.
Errors in normal disc playback	1.Defective disc. 2.Wrong button is pressed. 3.Static discharge.	1.Check the disc. 2.Press the right button. 3.Switch off the player for 1-2 minutes.

2.6.3 Technical characteristics

		DL370SI	DL372SI	DL374SI	DL375SI	DL376SI	DL377SI	DL386SI	DL387SI	DL3103SI
Disc types	DVD-Video, DivX3.11, DivX4, DivX5, DivXPro, XviD, SuperVCS, VCD 1.0, 2.0, CD-DA, HDCD, OGG, WMA, Kodak Picture CD, JPEG									
Medium types		CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW								
	SD, MMC, MS Cards	—	—	—	+	+	+	—	+	+
Outputs	Headphone output	1	2	1	2	2	2	1	2	2
	Analogue stereophonic audio output	—	+	+	+	+	+	+	+	+
	Optical digital audio output	—	—	—	—	—	—	—	—	—
	Composite video outputs	—	+	+	+	+	+	+	+	+
	S-Video output	—	—	—	—	—	—	—	—	+
	Coaxial digital audio output	—	—	—	+	+	—	—	+	+
Inputs	Stereo audio input	1								
	Composite video input	1								
Video characteristics	Video amplitude	1.0 Vp-p (75H)								
	Amplitude of video signal on S-Video output	Y: 1.0 Vp-p (75H) C: 0,286 Vp-p (75H)								

Audio characteristics	Frequency	20-20000 Hz (1 dB)								
	Signal-to-noise Ratio	>100 dB								
	Total harmonic distortion	<0,01%								
General Specifications	TFT color display	7"	7"	7"	7"	7"	7"	8"	8"	10"
	Power supply, V; Hz	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60	~110-250; 50/60
	Power consumption, w	12	16	15	16	15	13	15	15	37
	Dimensions, mm	205 149 39.5	190 163 38.2	220 147.5 38	190 151.2 29.6	224 163.6 44.5	220 149 41.7	248 157 40	245.5 167.8 30.7	266 183 28
	Mass, kg	0.735	0.835	0.685	0.759	0.814	0.775	0.863	0.88	1.2
Operating temperature		5-35 C								
Operating Humidity		15-75% (no condensation)								

#Specifications are subject to change without notice.

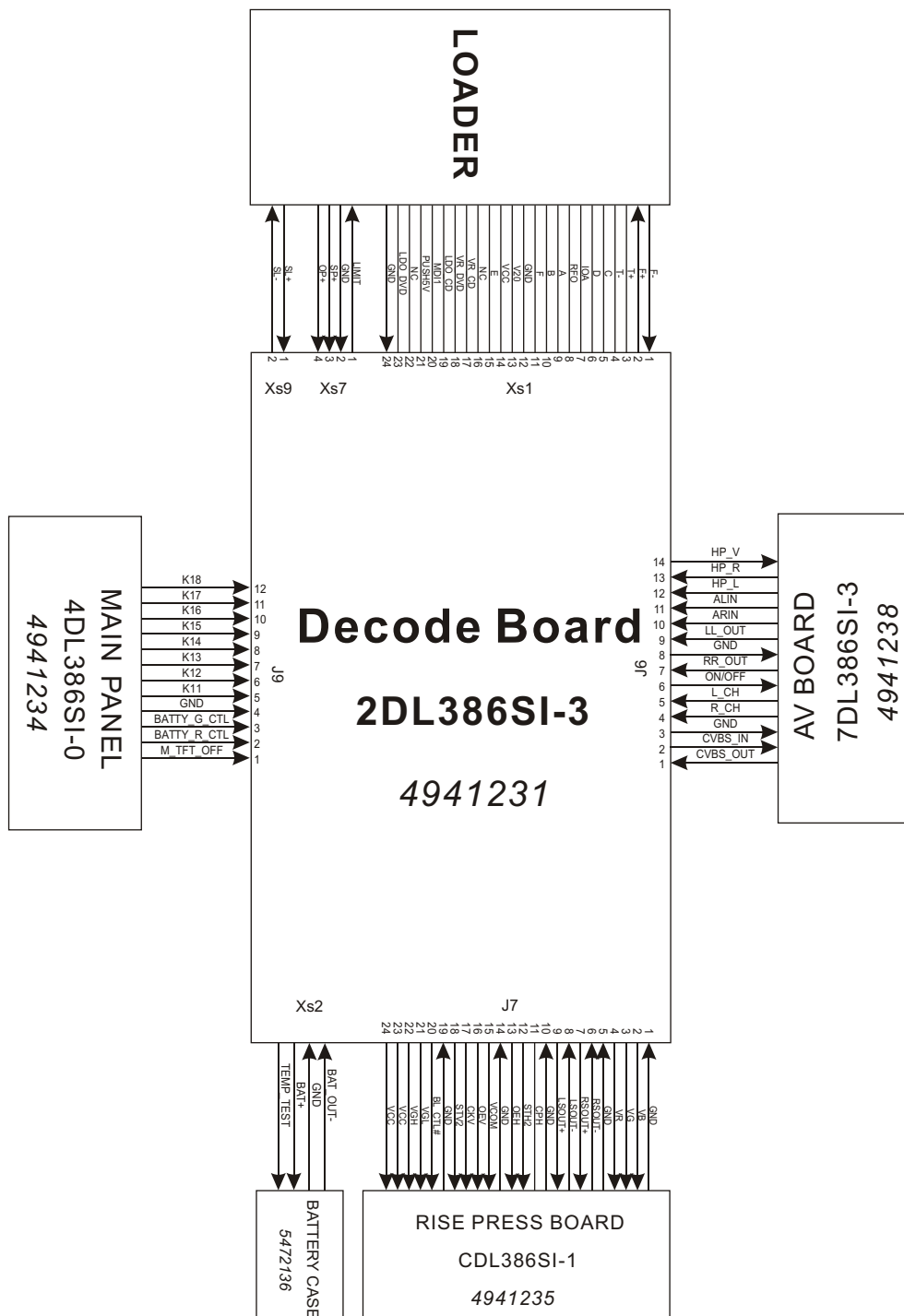
#We do not guarantee that all discs can be played smoothly due to the disc quality, disc recording quality and recording format.

Chapter Three Block Diagram

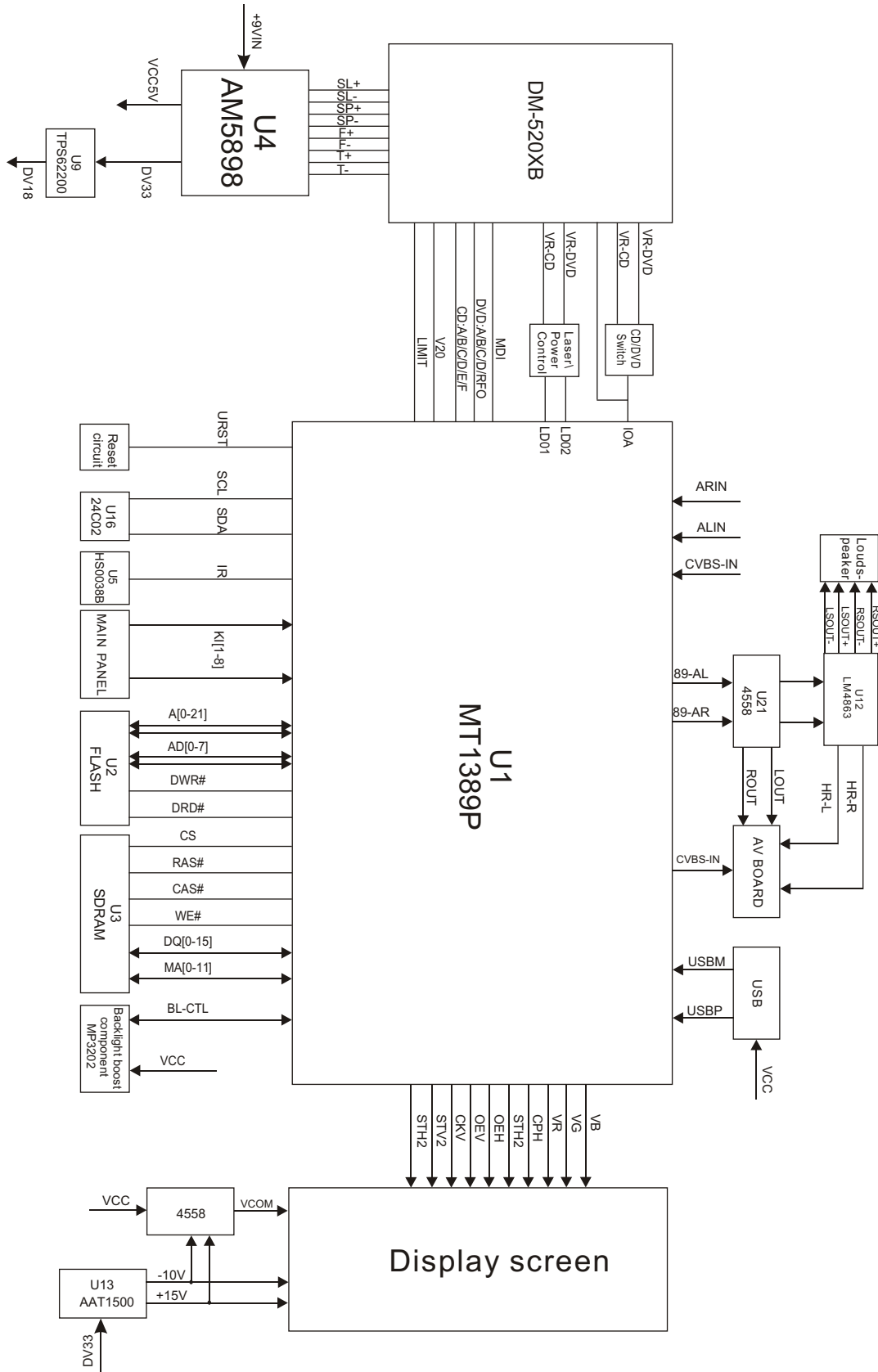
Section One PCB

diagram and block diagram of player

3.1.1 Overall wiring diagram for player.



3.1.2 Block diagram for player.



Section Two Unit circuit principle

3.2.1 Servo process circuit.

DL386SI adopts SONY loader and MTK1389P decode scheme MT1389P+FLASH (16M) +SDRAM (64M). Servo circuit is mainly composed of front signal processing, digital servo processing, digital signal processing chip MT1389P and drive circuit AM5898. MT1389P is the main composing part of decode circuit. Servo processing circuit block diagram is shown in 3.2.1.1:

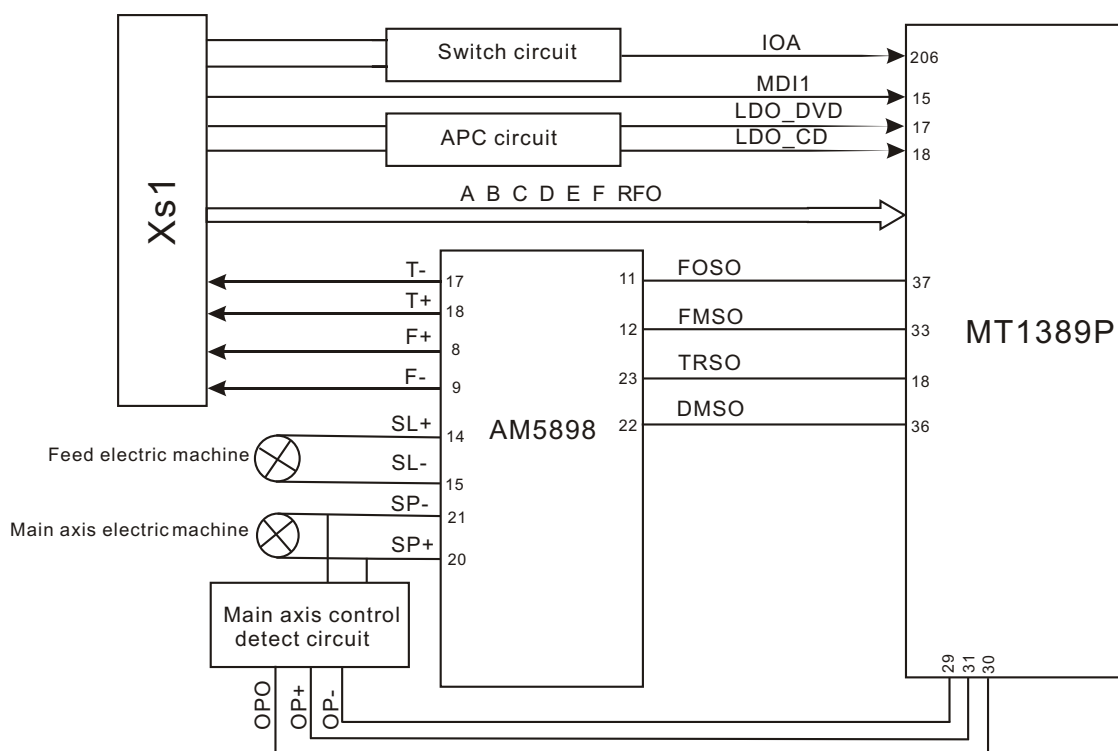


Figure 3.2.1.1 Block diagram of servo processing circuit

3.2.2 Decode circuit .

1.Block diagram of decode circuit, shown in figure 3.2.2.1:

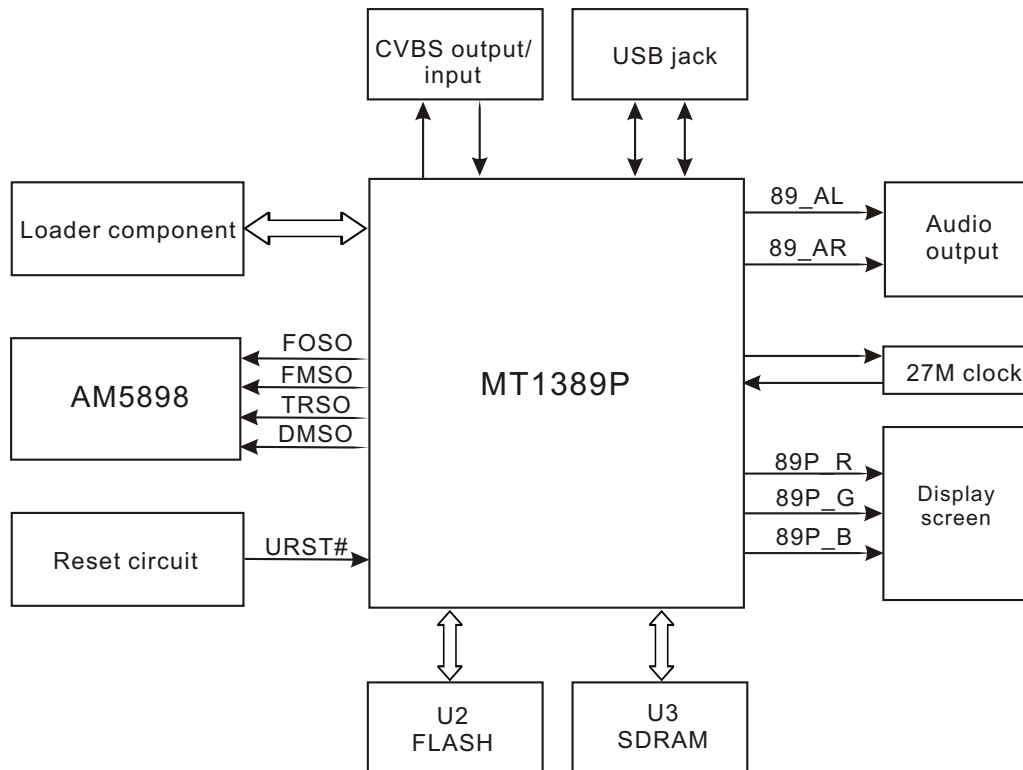


Figure 3.2.2.1 Block diagram of decode circuit

3.2.3 Block diagram of video circuit.

1.MT1389P built-in Video decoder is able to output analog/digital audio signal. The amplified signal can output to terminal . Block diagram of Video circuit is shown in figure 3.2.3.1:

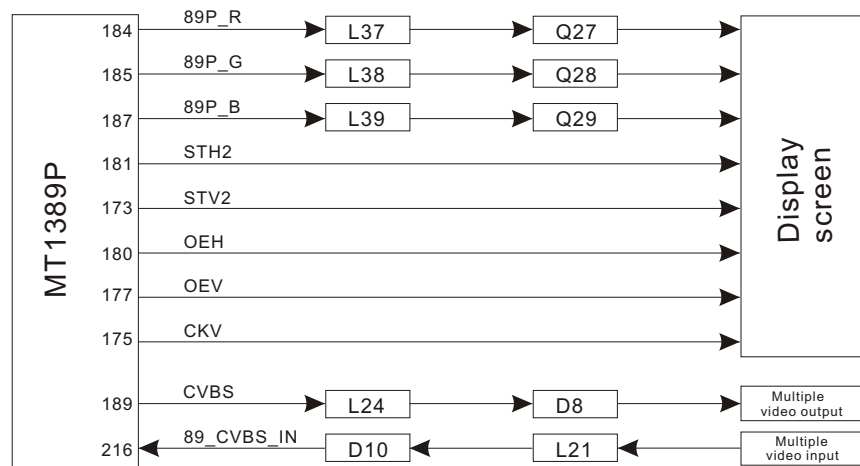


Figure 3.2.3.1 Block diagram of Video circuit

3.2.4 Block diagram of audio circuit.

1.MT1389P built-in audio decoder can output analog/digital signal. The signal outputs to terminal or headphone and loudspeaker directly after amplifying. Block diagram of audio circuit is shown 3.2.4.1:

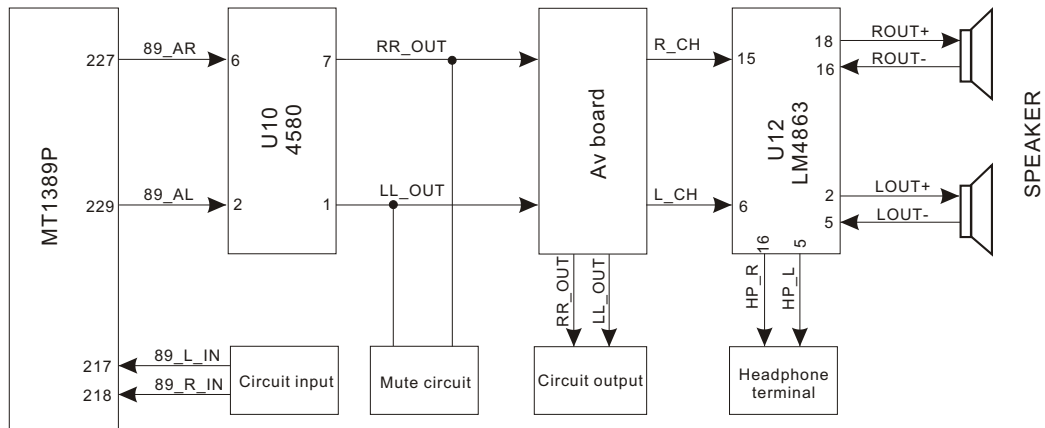
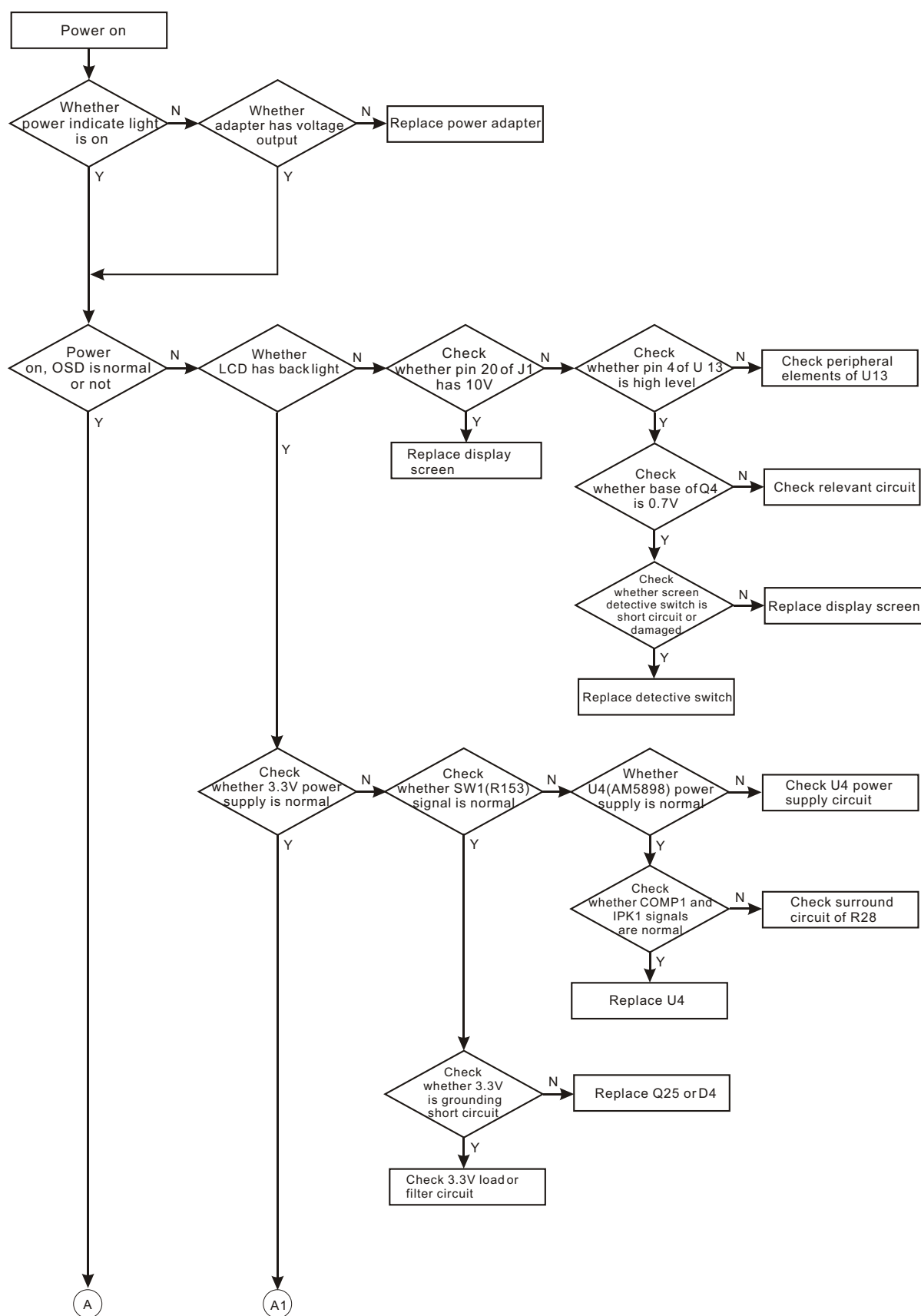
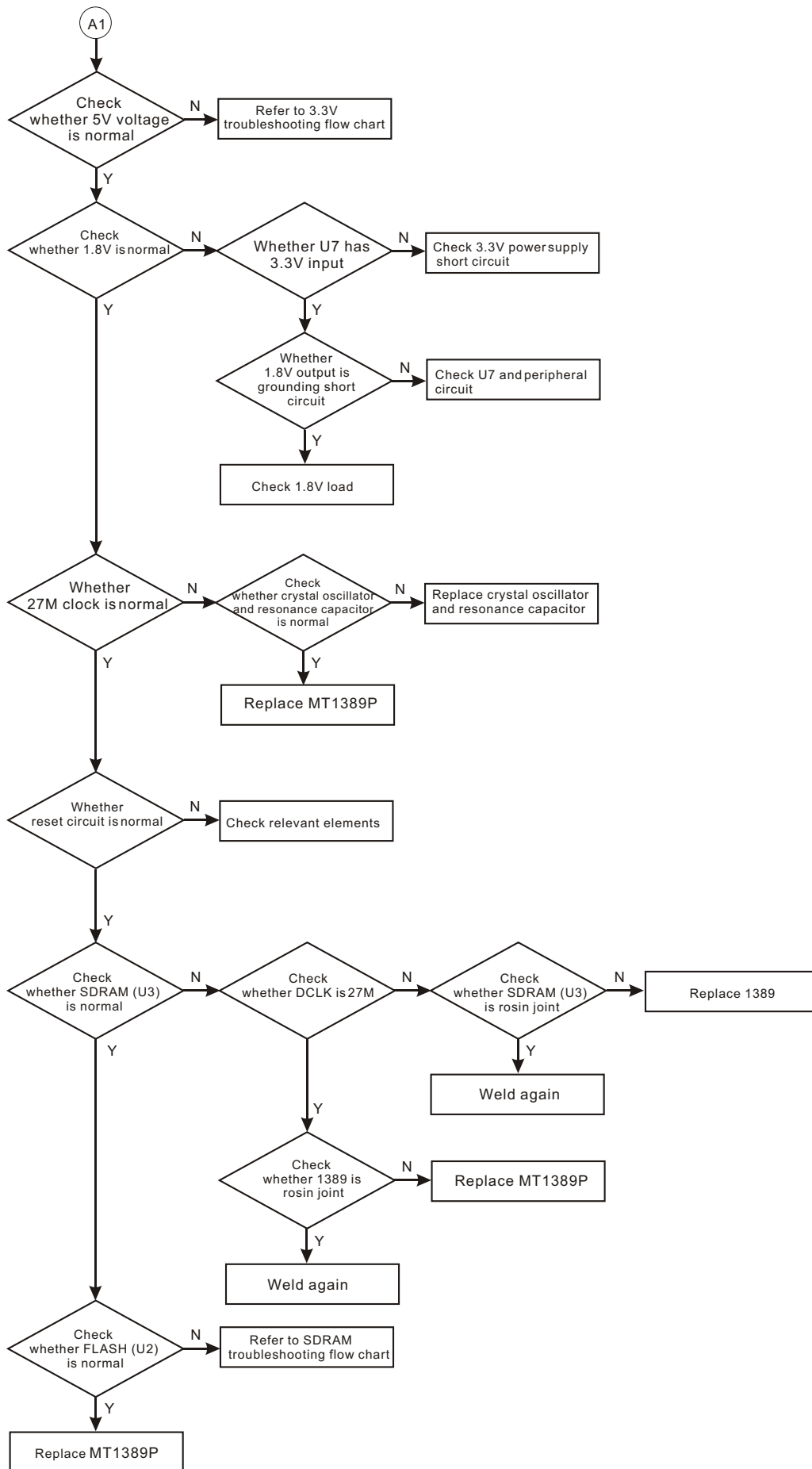
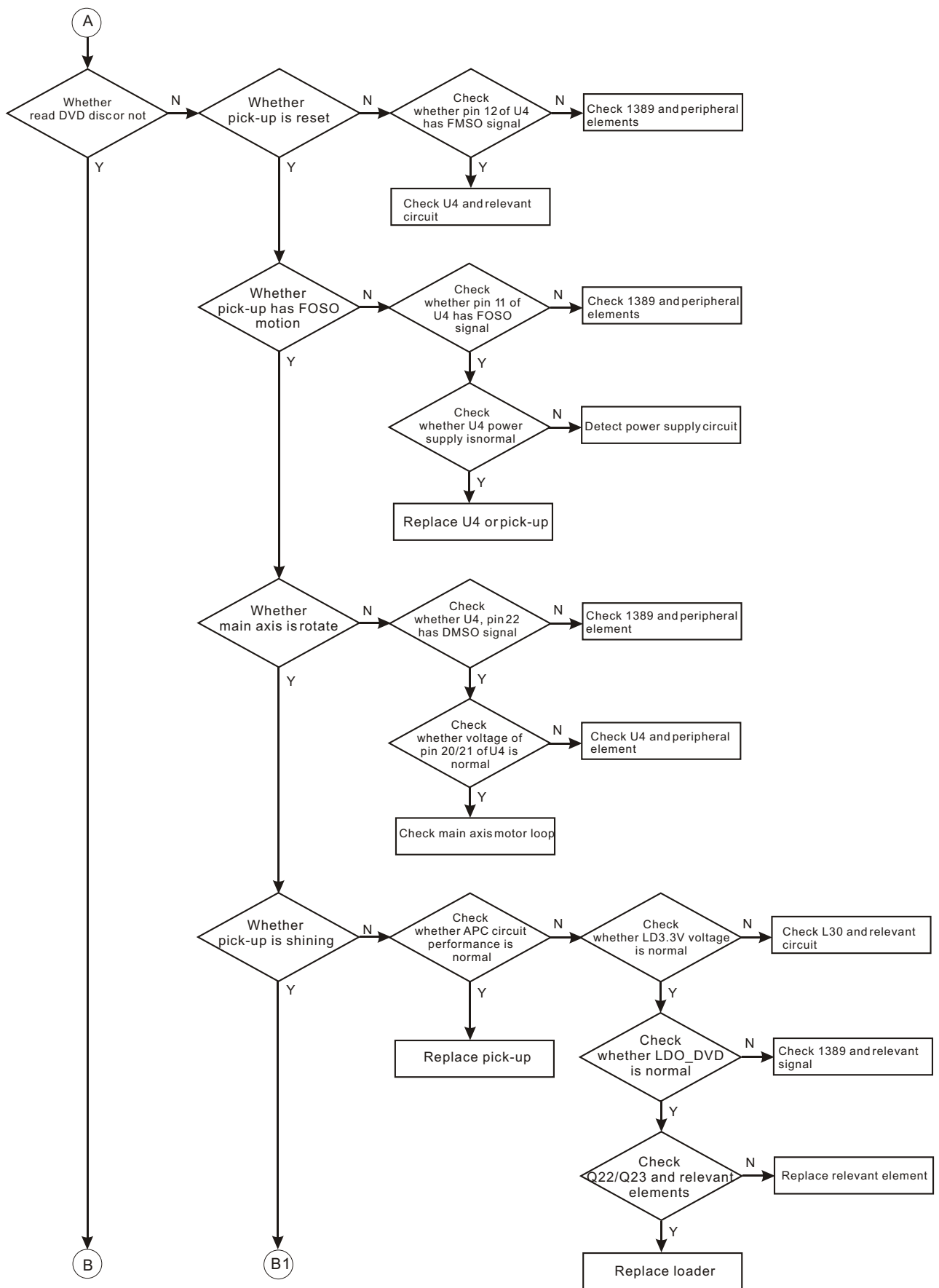


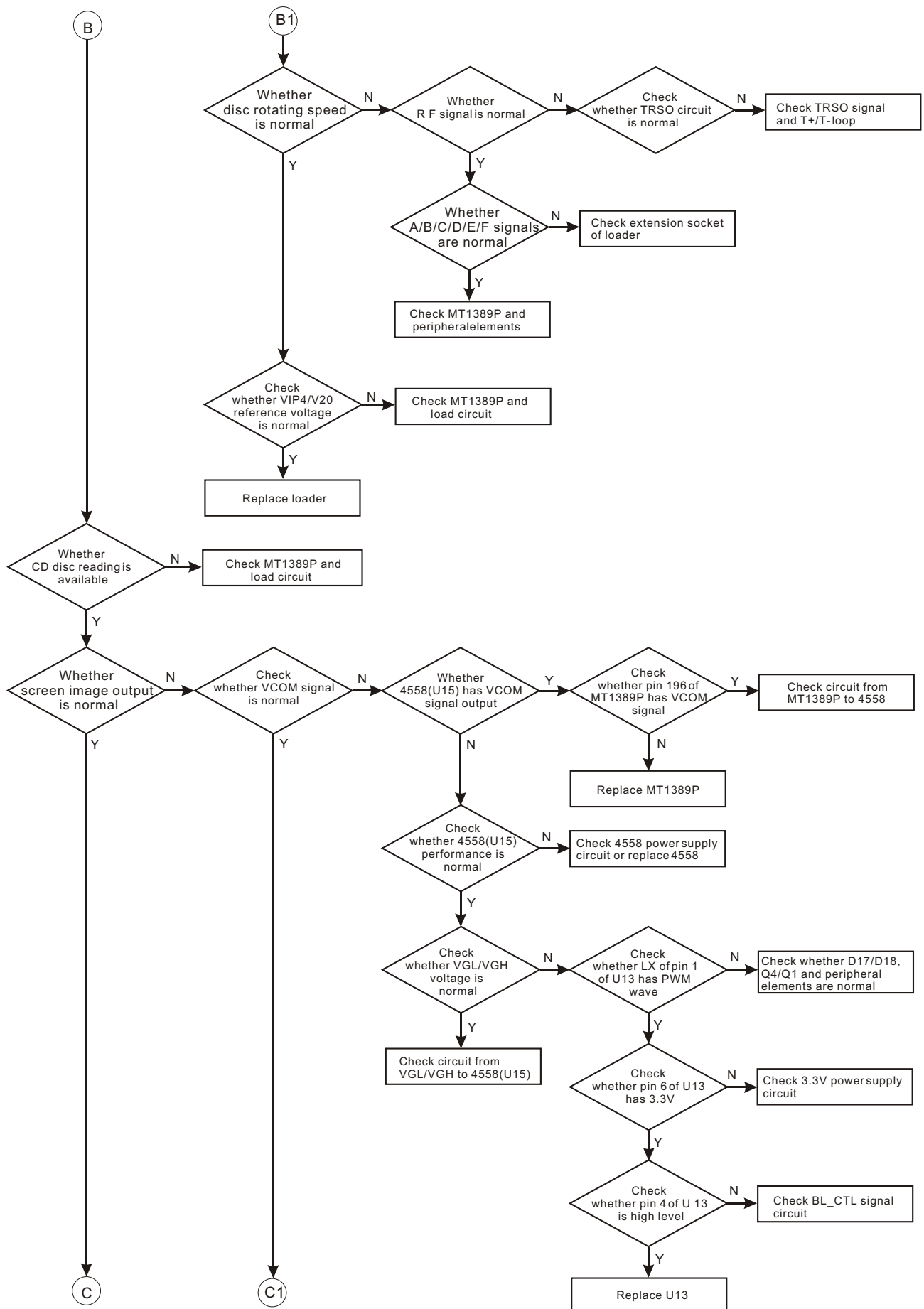
Figure 3.2.4.1 Block Aiaogram of audio circuit

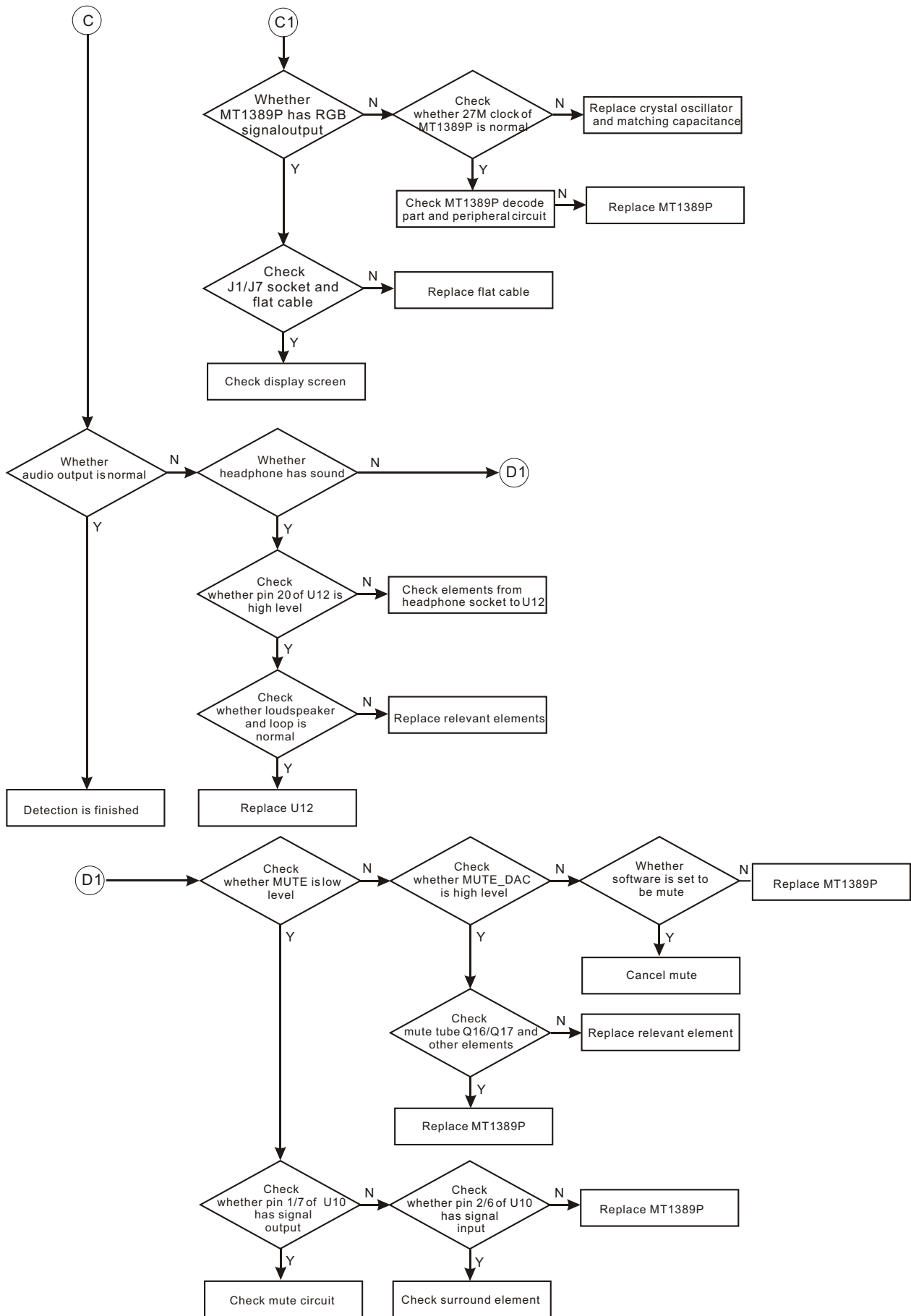
Section Three Troubleshooting Flow Chart







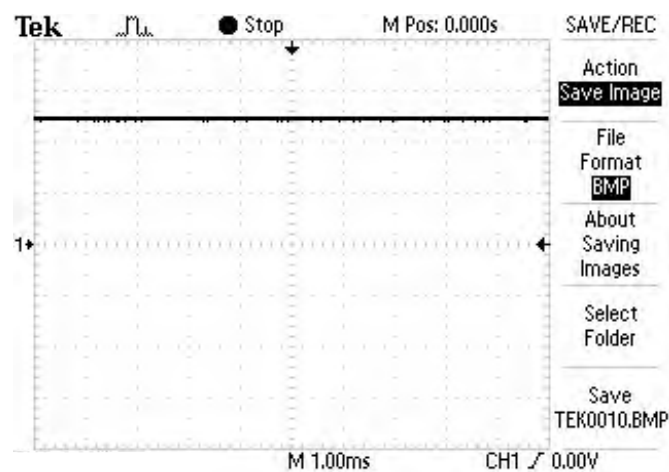




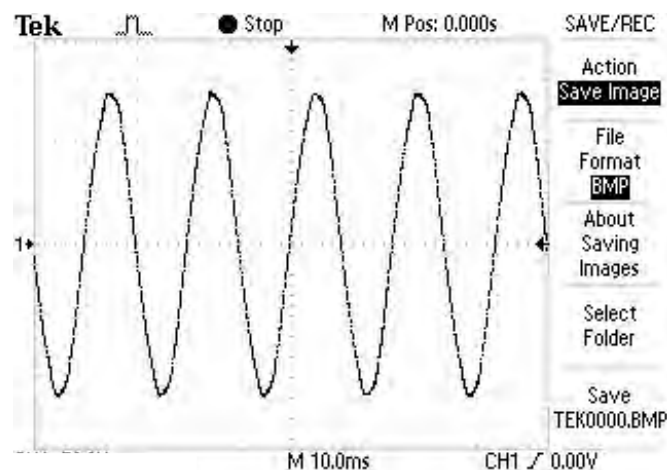
Section Four Servicing Parameters

This section collects signal waveform diagram of audio, video and each unit circuit with the purpose to help servicing personnel to judge where trouble lies in accurately and quickly to improve servicing skills. For the difference of oscillograph's type, model and tuner, a certain difference may exist, so the servicing personnel are expected to pay more attention to check in daily operation.

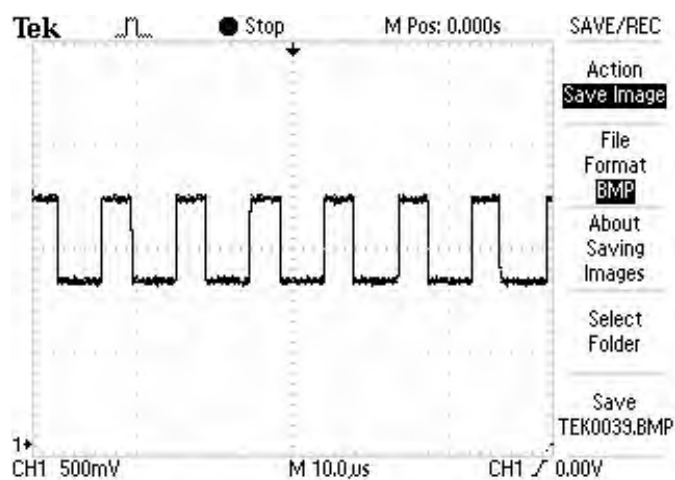
1. Waveform diagram of digital power supply DVD D33.



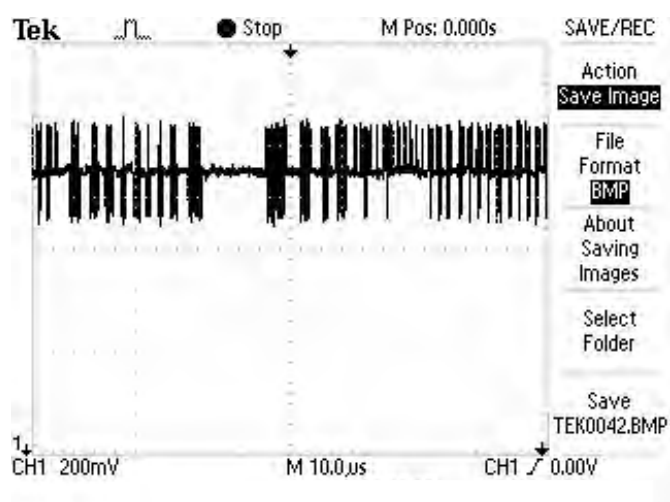
2. 27M(Y2) crystal oscillator of system main clock.



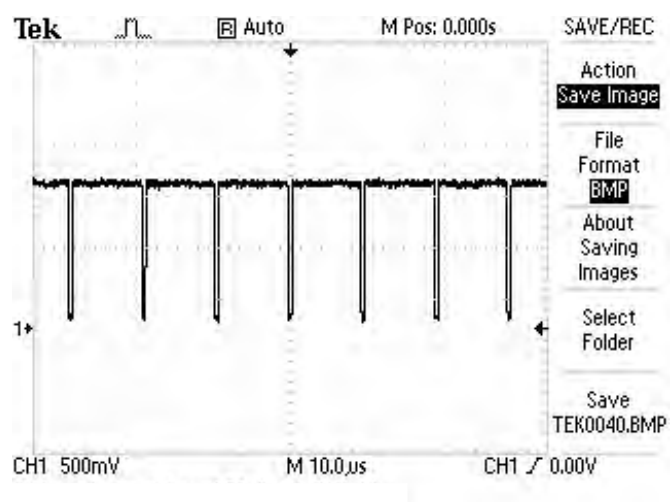
3.DMO waveform diagram output by decode chipMT1389. (when main axis has motion)



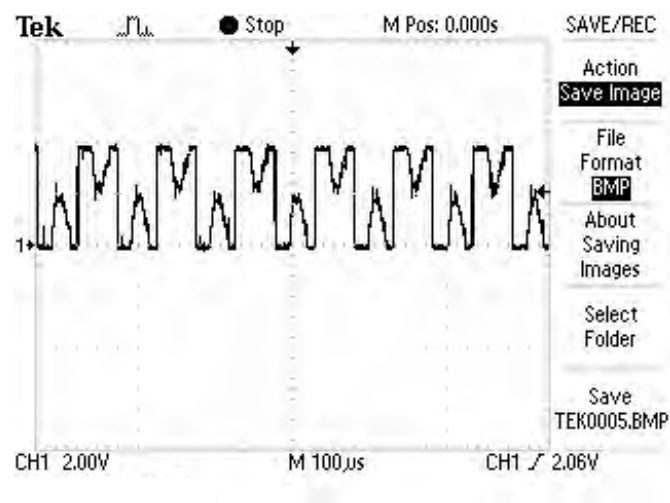
4.FOO waveform diagram output by decode chip MT1389. (When pick-up has focus motion)



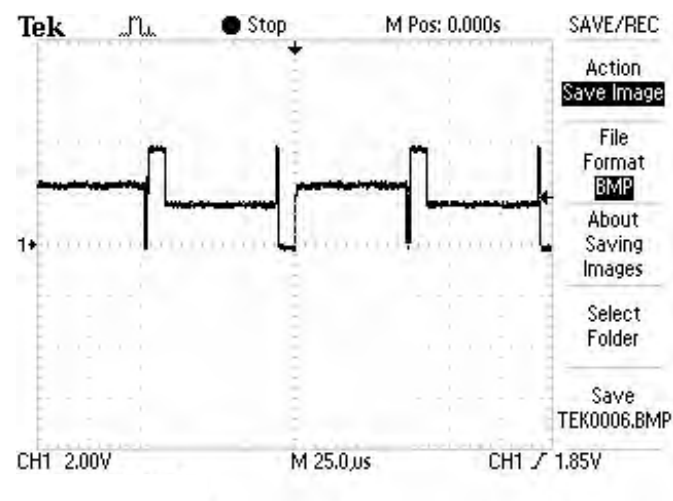
5.FMO waveform diagram output by decode chip MT1389.(when pick-up has focus motion)



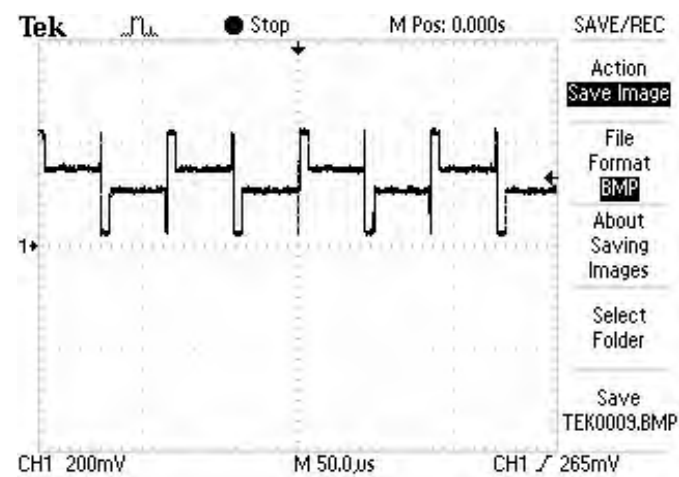
6. Waveform diagram of VB .(pin2 of J7)



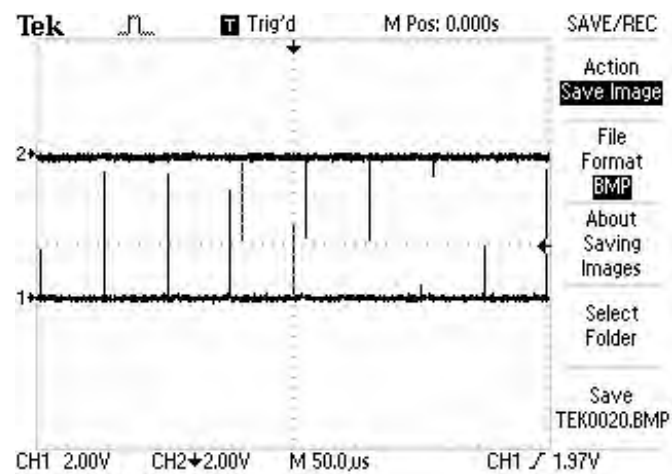
7. waveform diagram of VG(pin 3 of J7) signal.



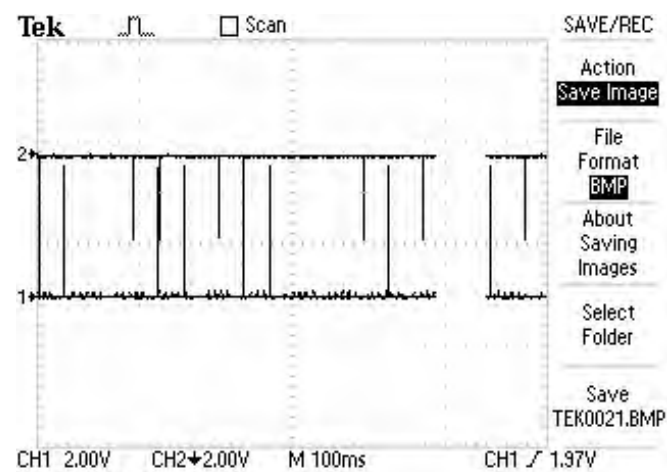
8. Waveform diagram of VR(pin 4 of J7)signal.



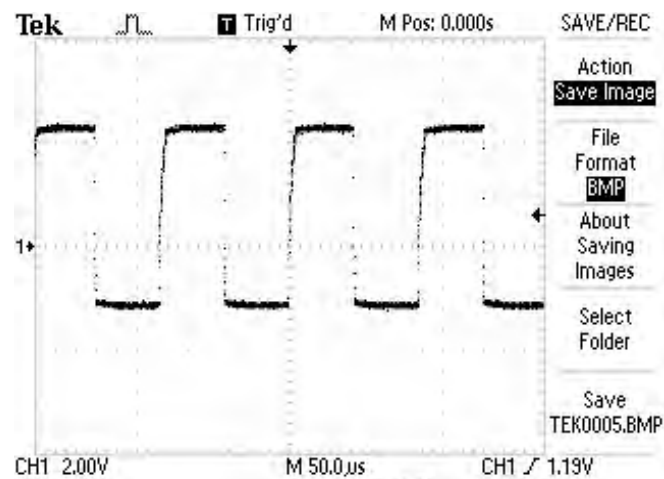
9. Waveform diagram of STH2(pin 12 of J7).



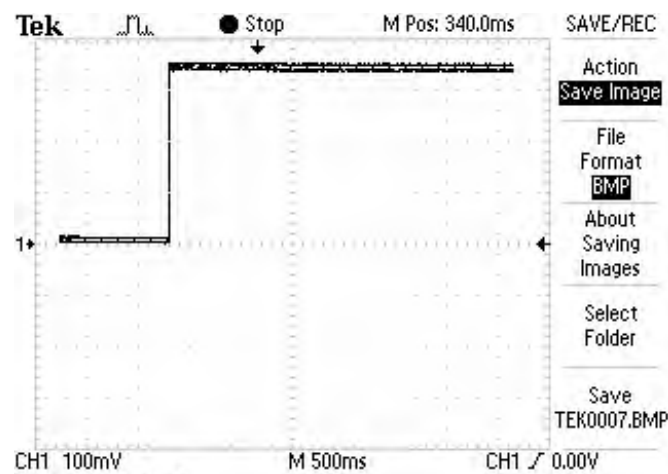
10. Waveform diagram of STV2(pin 18 of J7).



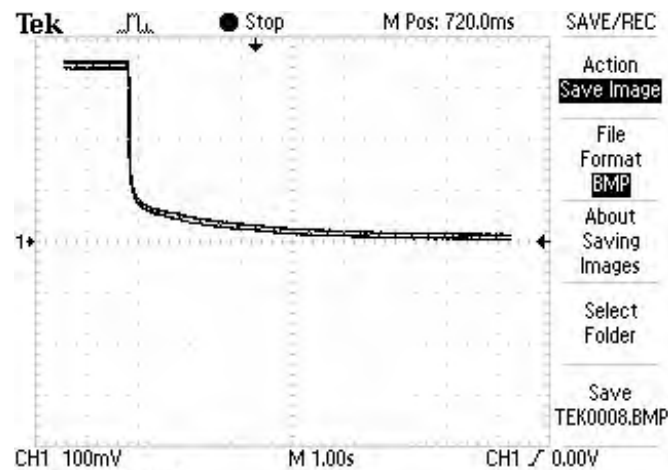
11. Waveform diagram of VCOM (pin 15 of J7).



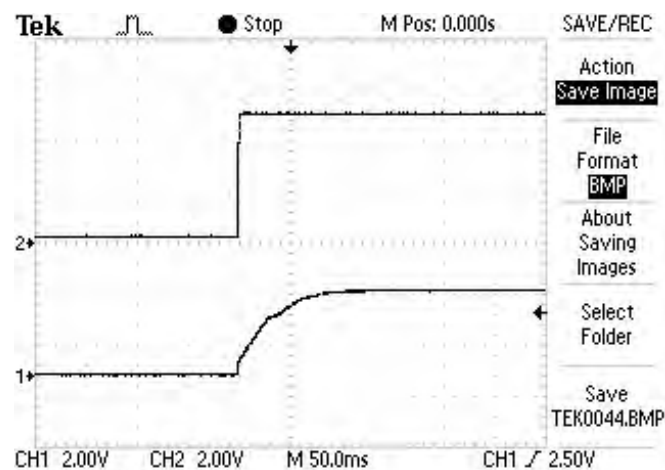
12. Power on waveform diagram of pin 11 of Flsah(U2).



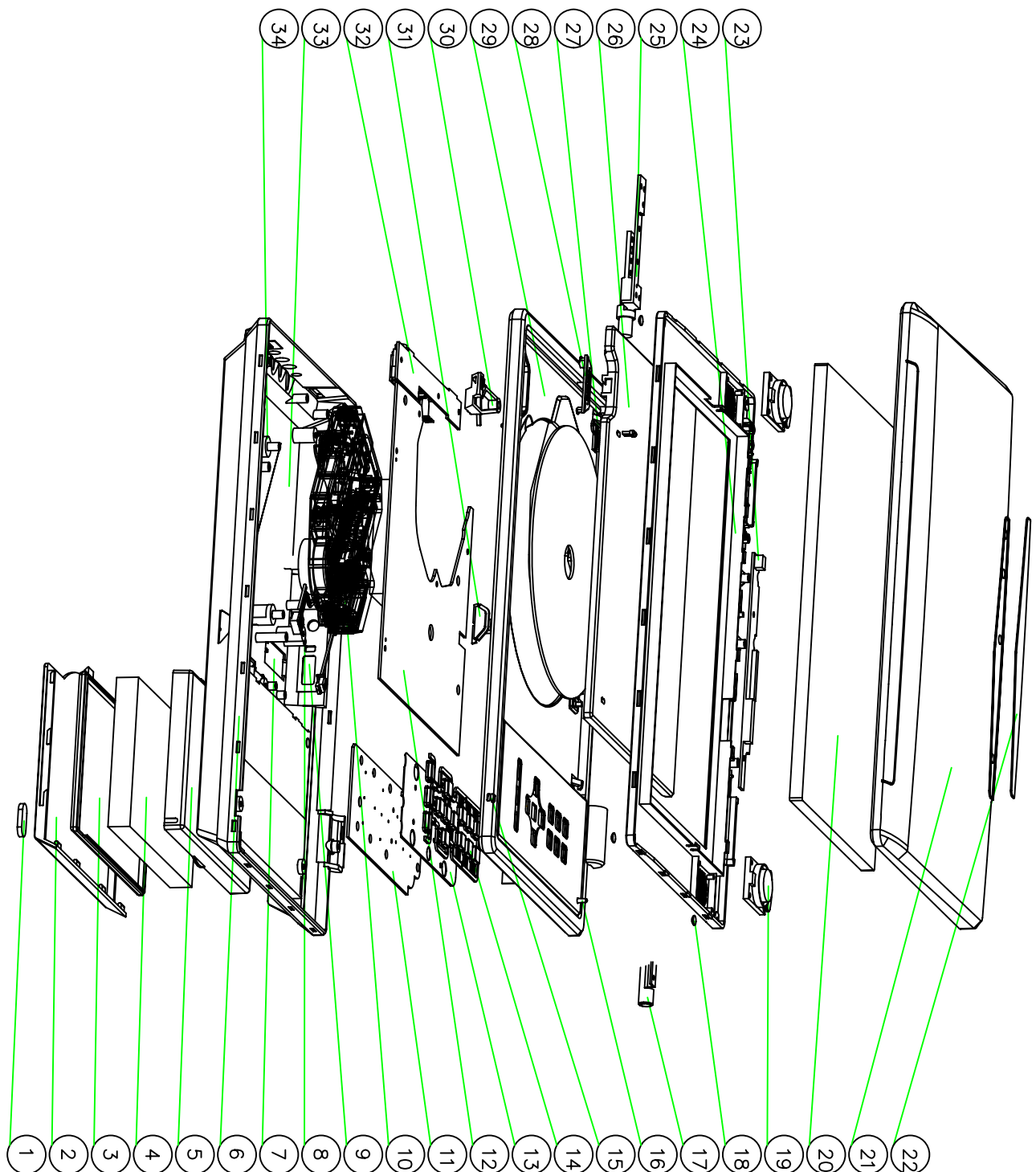
13. Power off waveform diagram of pin 11 of Flsah(U2).



14. URST# waveform diagram of system reset signal.



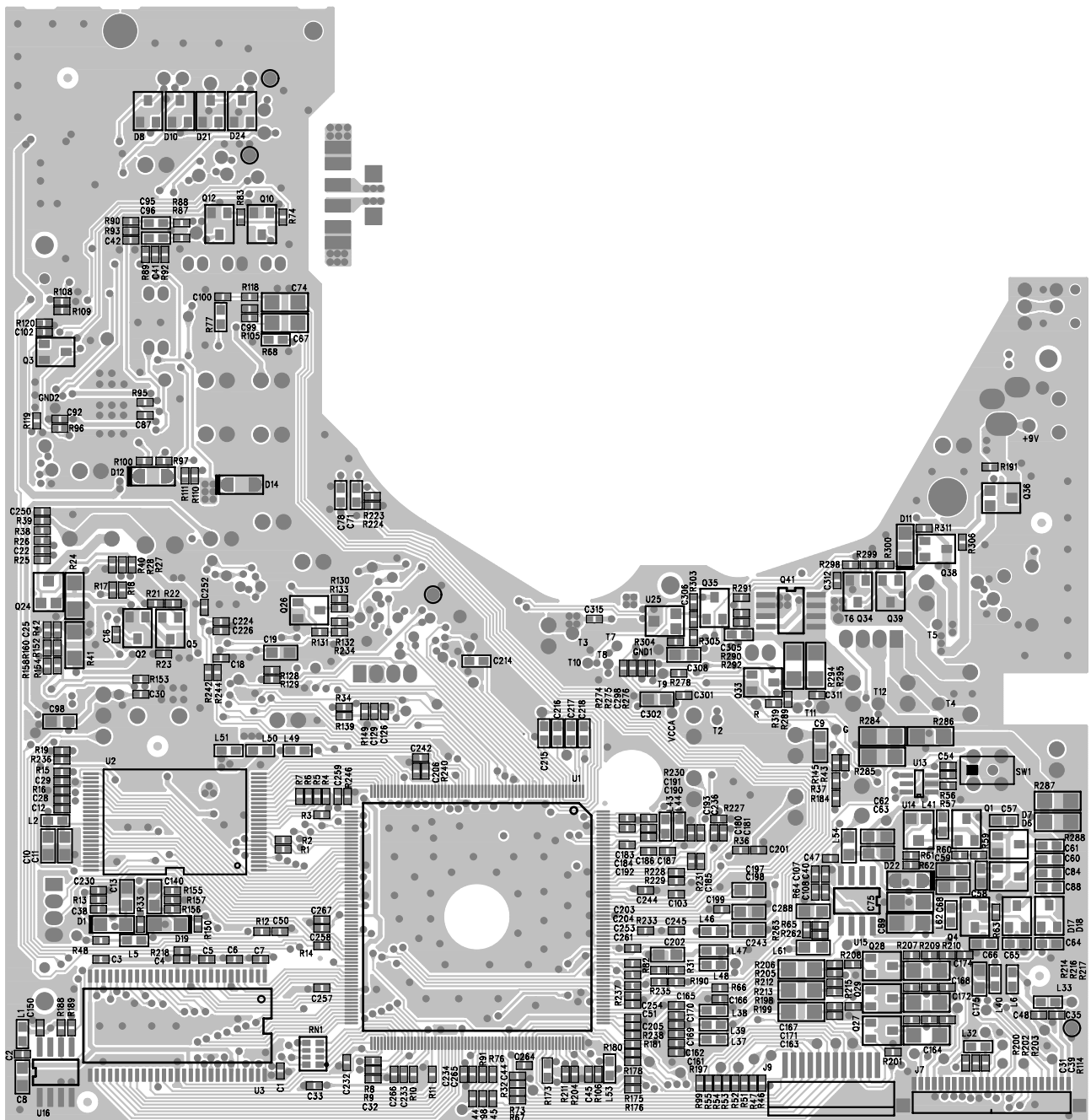
Chapter Four Explosion Chart



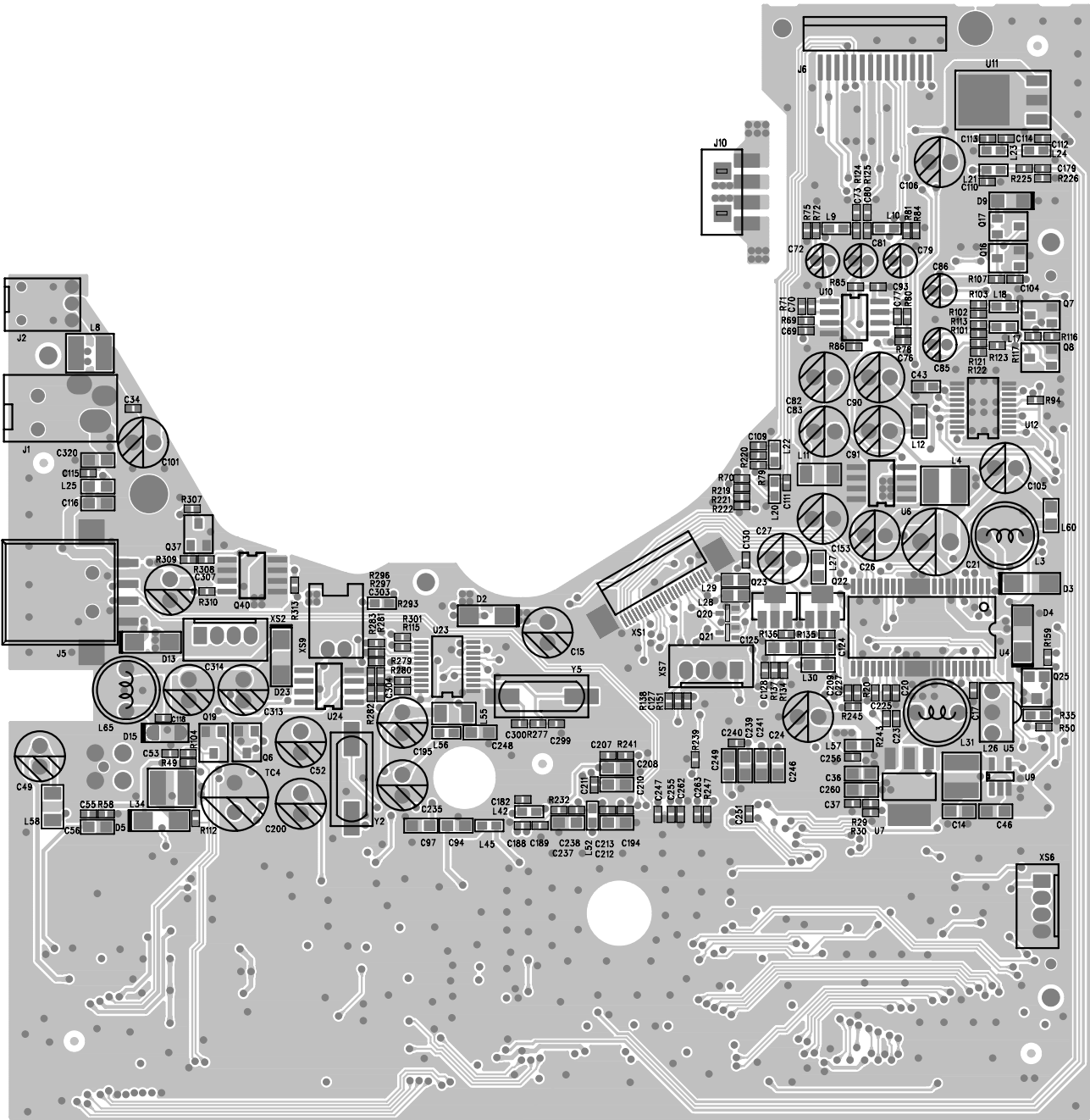
SERIAL NUMBER	MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	QUANTITY
34	3060681	LOADER BRACKET	386SI(RU)	3
33	3013001	BOTTOM CASING	386SI(RU) DARK GREY	1
32	4941231	PCB SEMI-FINISHED PRODUCT	2 386SI-0 386SI(RU)	1
31	3074959	REMOTE CONTROL LENSES	355 TRANSPARENT PURPLE	1
30	3073895	OPEN SLIDE BLOCK	387SI(RU)	1
29	3005560	SURFACE CASING	386SI(RU) SILVER WHITE	1
28	3075535	OPEN BUTTON	386SI(RU) SILVER	1
27	3820108	GATE COVER WRING SPRING	386SI(RU)	1
26	3073869	GATE COVER	387SI(RU) SILVER	1
25	3872726	MAIN ROTATED AXIS	386SI(RU) 2#	1
24	3075897	LOWER COVER OF DISPLAY	386SI(RU) BLACK 2#	1
23	4941235	PCB SEMI-FINISHED PRODUCT	C386SI-0 386SI(RU)	1
22	3872627	ALUMINIUM DECORATIVE BOARD	386SI(RU) SILVER	1
21	3075893	UPPER COVER OF DISPLAY	386SI(RU) SILVER WHITE 2#	1
20	1200925	DISPLAY SCREEN	A085FW01 V7	1
19	1100797	LOUDHAILER	1W 8Ω MAGNETISM OUTSIDE 27 ×19×6.8	2
18	5236290	BOLT OUT PLUG	379K BLACK , SILICA GEL SINGLE-FACED WITH GLUE IN REAR SIDE	2
17	3075894	SUBORDINATE ROTARY AXIS	386SI(RU) 2#	1
16	3075536	TESTING SWITCH CAP	386SI(RU) SILVER	1
15	3074950	INDICATOR LIGHT MIRROR	355 TRANSPARENT	1
14	3075896	FUNCTION PRESS-BUTTON	386SI(RU) SILVER 2#	1
13	5236812	SILICA GEL BUTTON	355 BLACK	1
12	4941237	PCB SEMI-FINISHED PRODUCT	G386SI-0 386SI(RU)	1
11	4941236	PCB SEMI-FINISHED PRODUCT	9 386SI-0 386SI(RU)	1
10	5462561	LOADER COMPONENTS	D520XB(SV1 PICUP)	1
9	3075622	USB RUBBER PLUG	386SI(RU) DARK GREY	1
8	3075540	CLASP FOR USB PLUG	386SI(RU)	1
7	3872258	IRON BRACKET	387SI(RU) SILVER WHITE STOVING VARNISH	1
6	3013001	BOTTOM CASING	386SI(RU) DARK GREY	1
5	3075542	UPPER COVER OF BATTERY CASE	386SI(RU) DARK GREY	1
4	1510201	RECHARGEABLE BATTERY	2750MAH 7.2V LITHIUM 102×68×4.1	1
3	3070167	LOWER COVER OF BATTERY	371 DEEP GREY	1
2	3075538	BATTERY GATE	386SI(RU) DARK GREY	1
1	5231264	FOOT SPACER	Φ7×1 RUBBER	2

Section One PCB Board

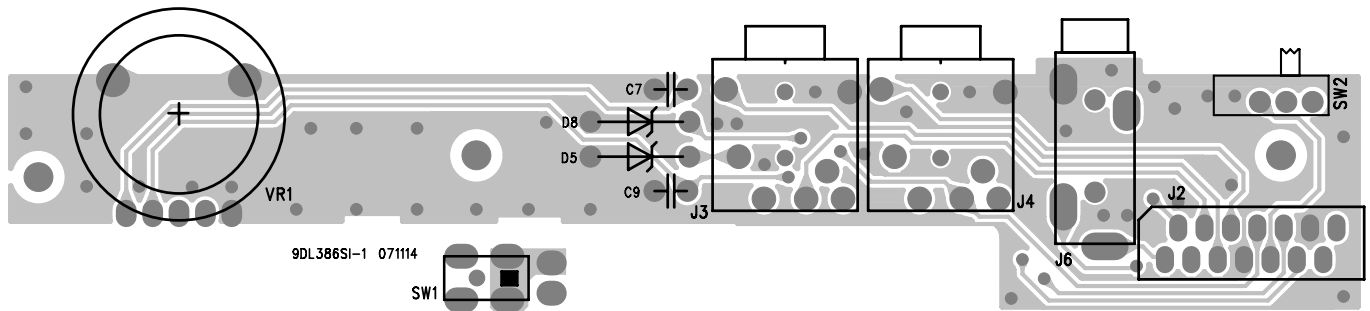
5.1.1 Surface layer of Decode Board(2DL386SI-3)4941231.



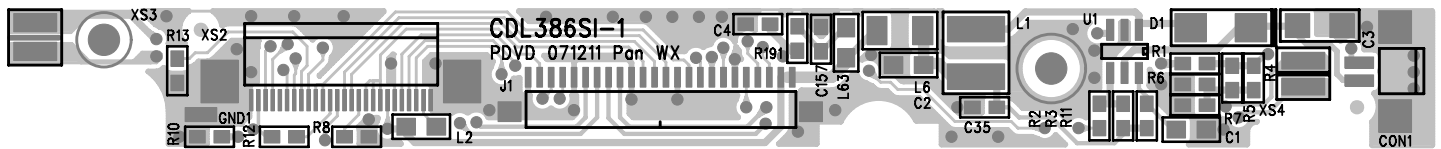
5.1.2 Bottom layer of Decode Board(2DL386SI-3)4941231.



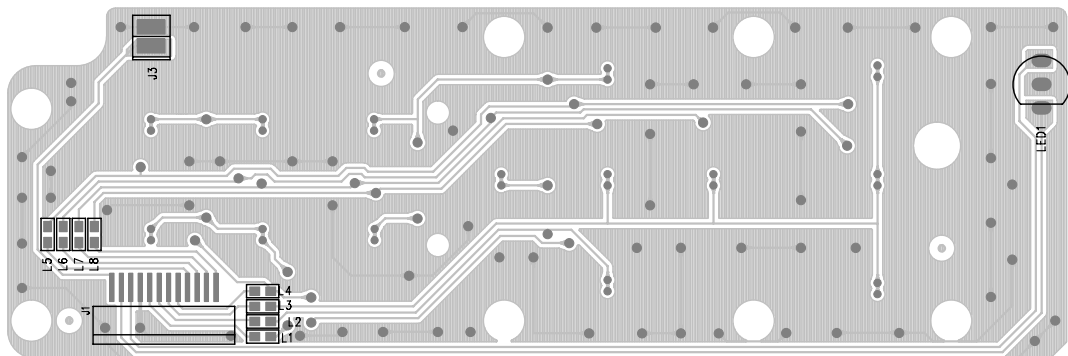
5.1.3 AV Board(7DL386SI-3)4941238.



5.1.4 RISE PRESS BOARD(CDL386SI-1)4941235.

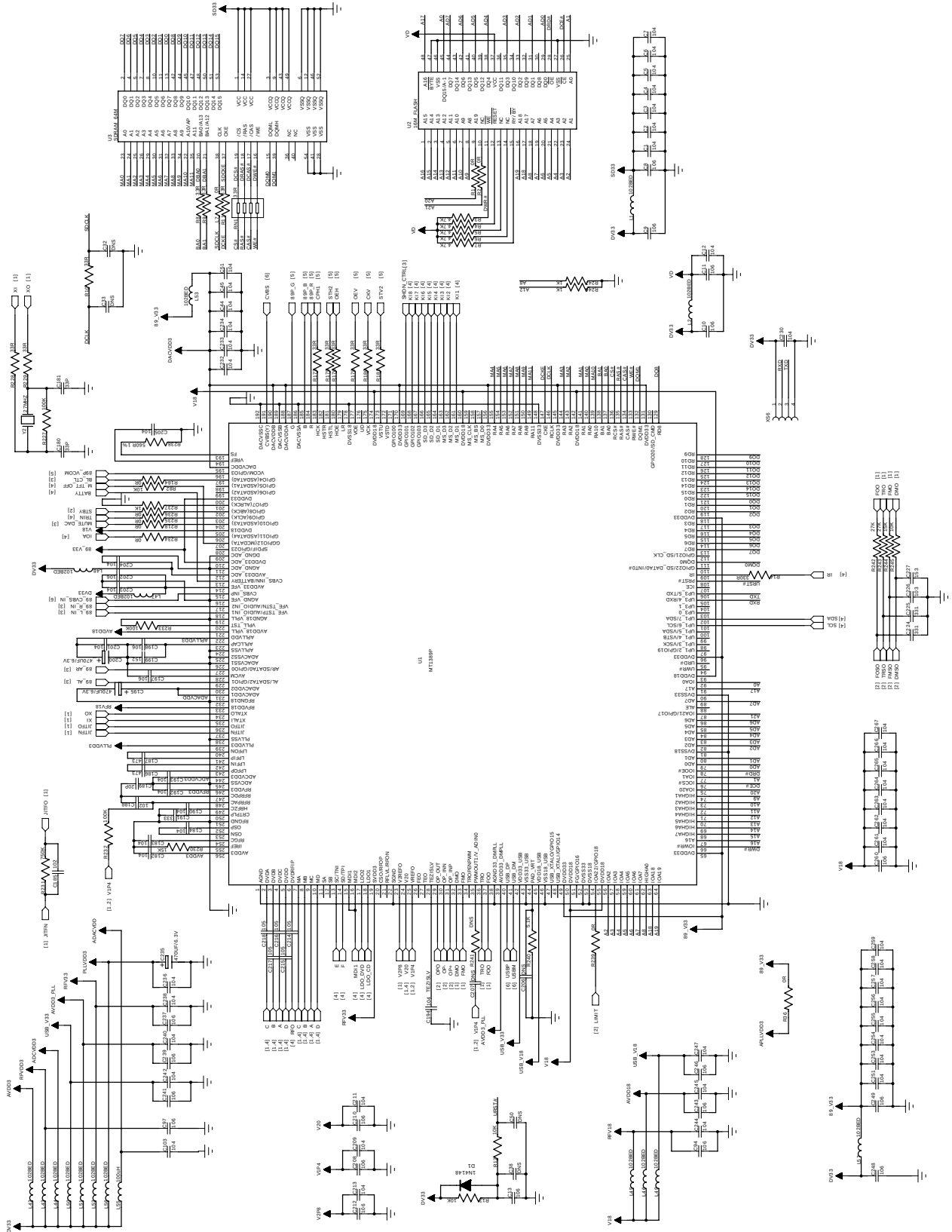


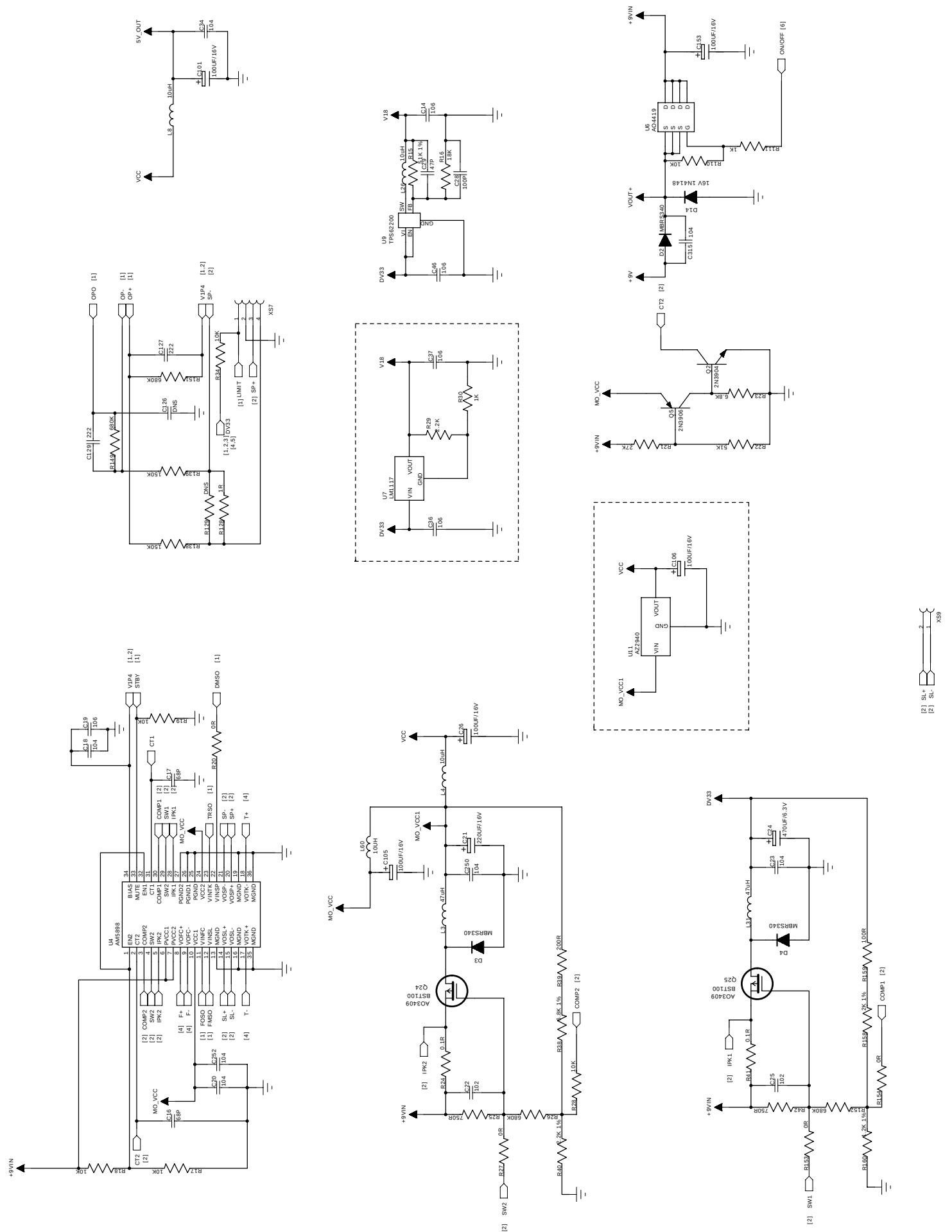
5.1.5 Main panel Board(4DL386SI-0)4941234.

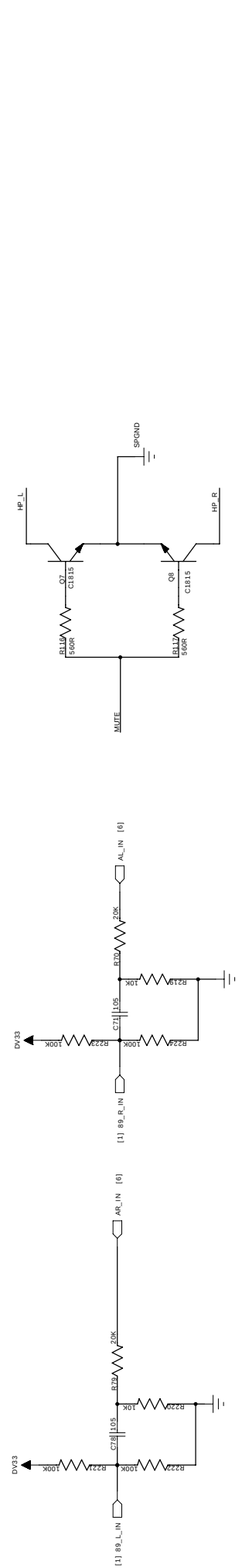


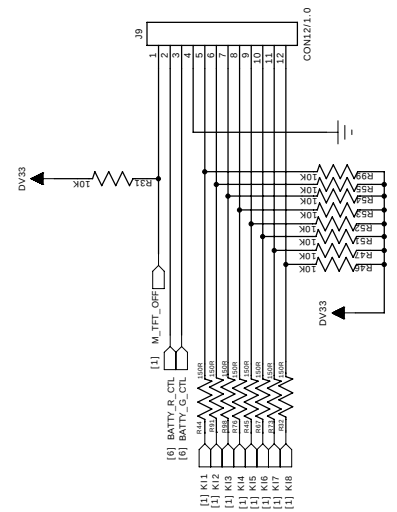
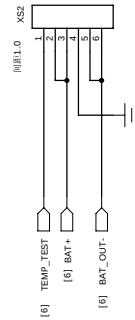
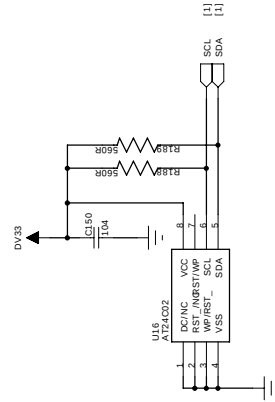
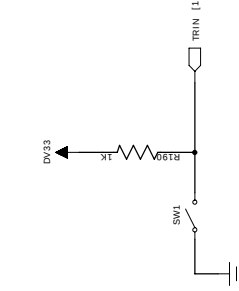
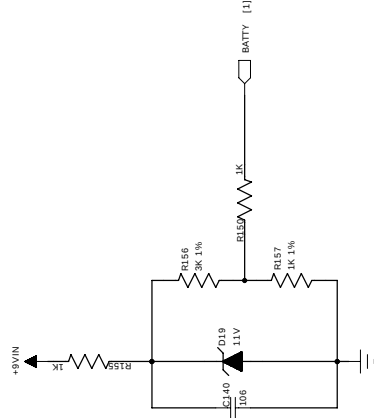
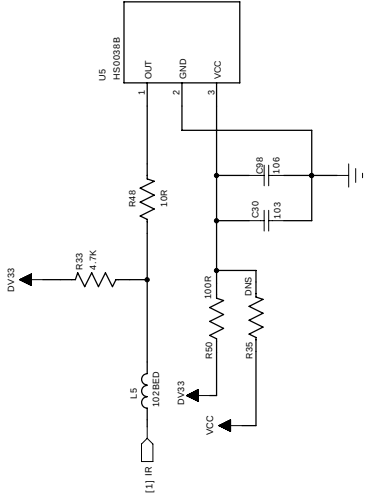
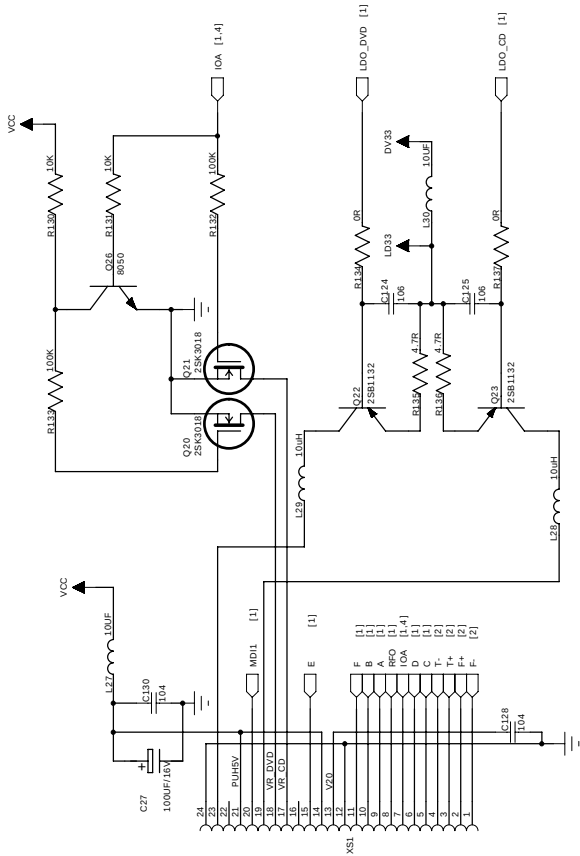
Section Two circuit diagram

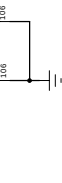
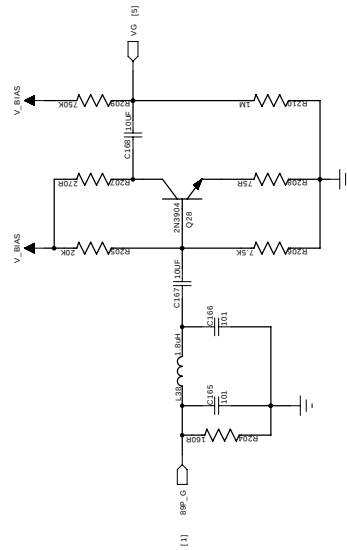
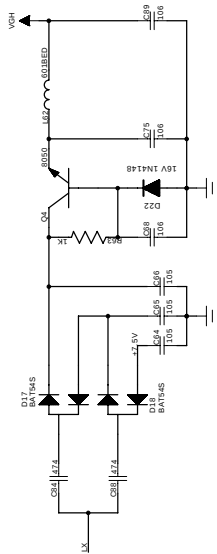
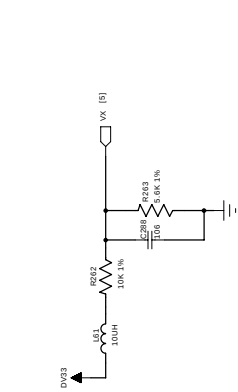
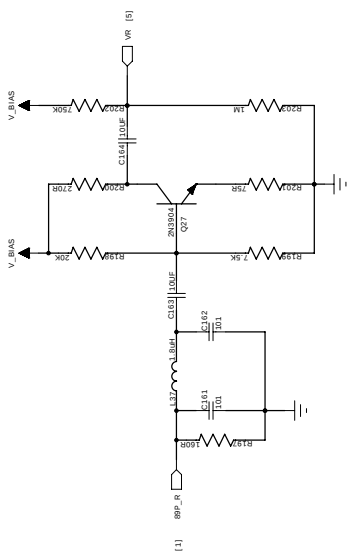
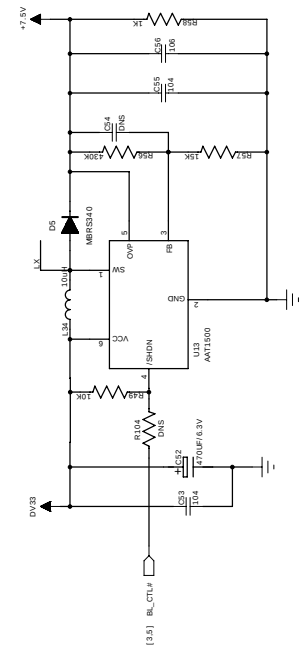
5.2.1 Decode Board.

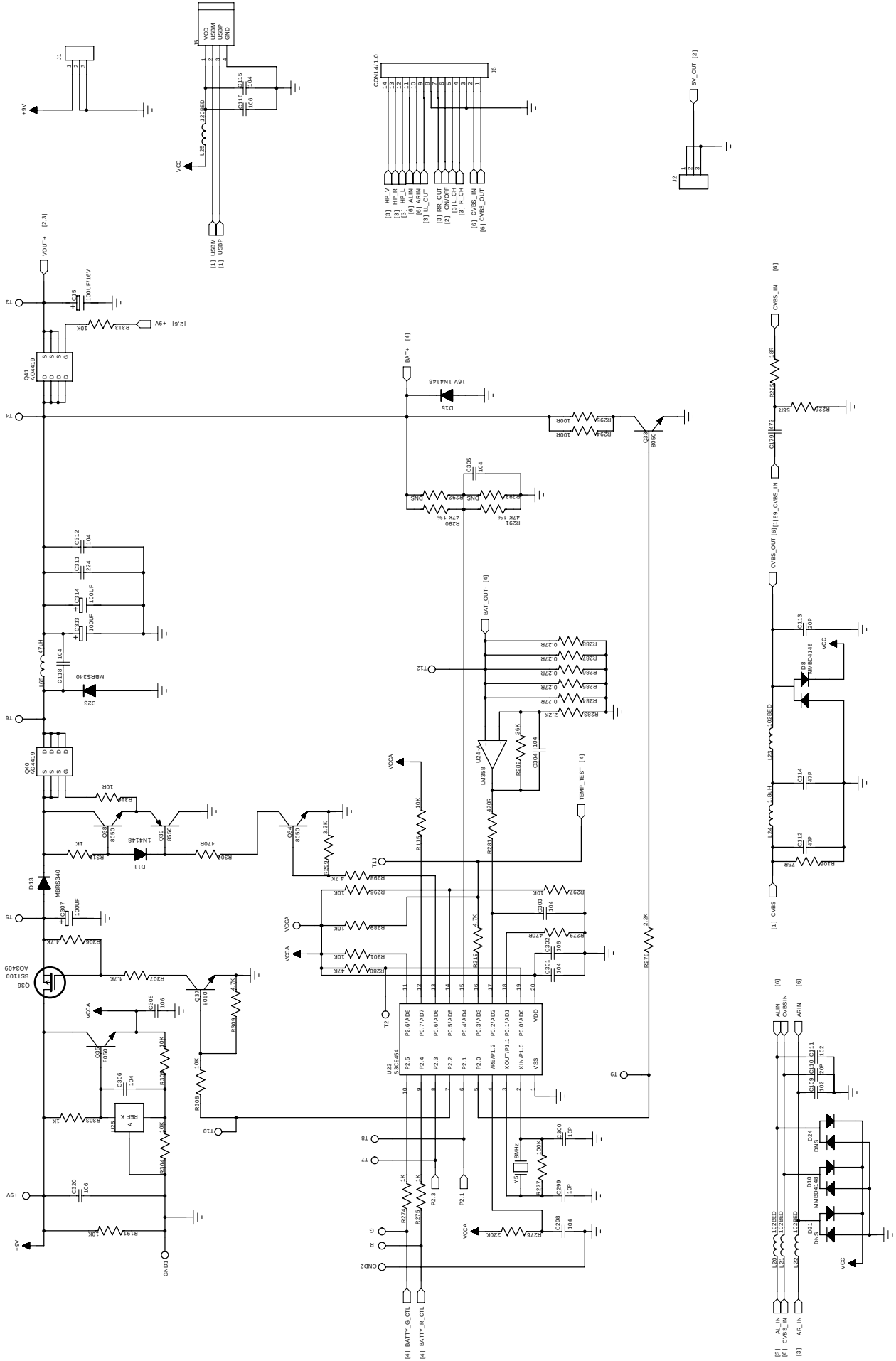




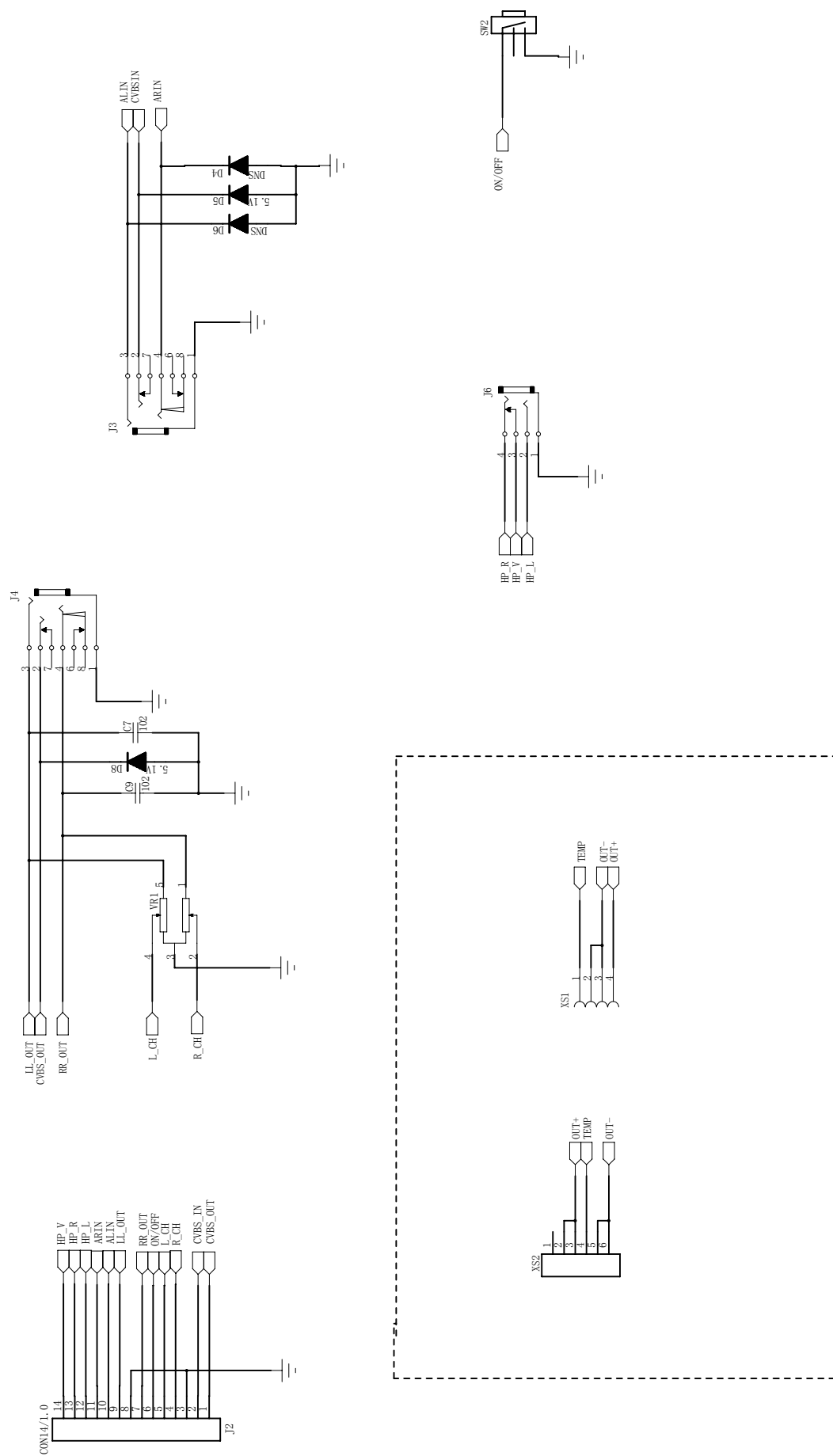




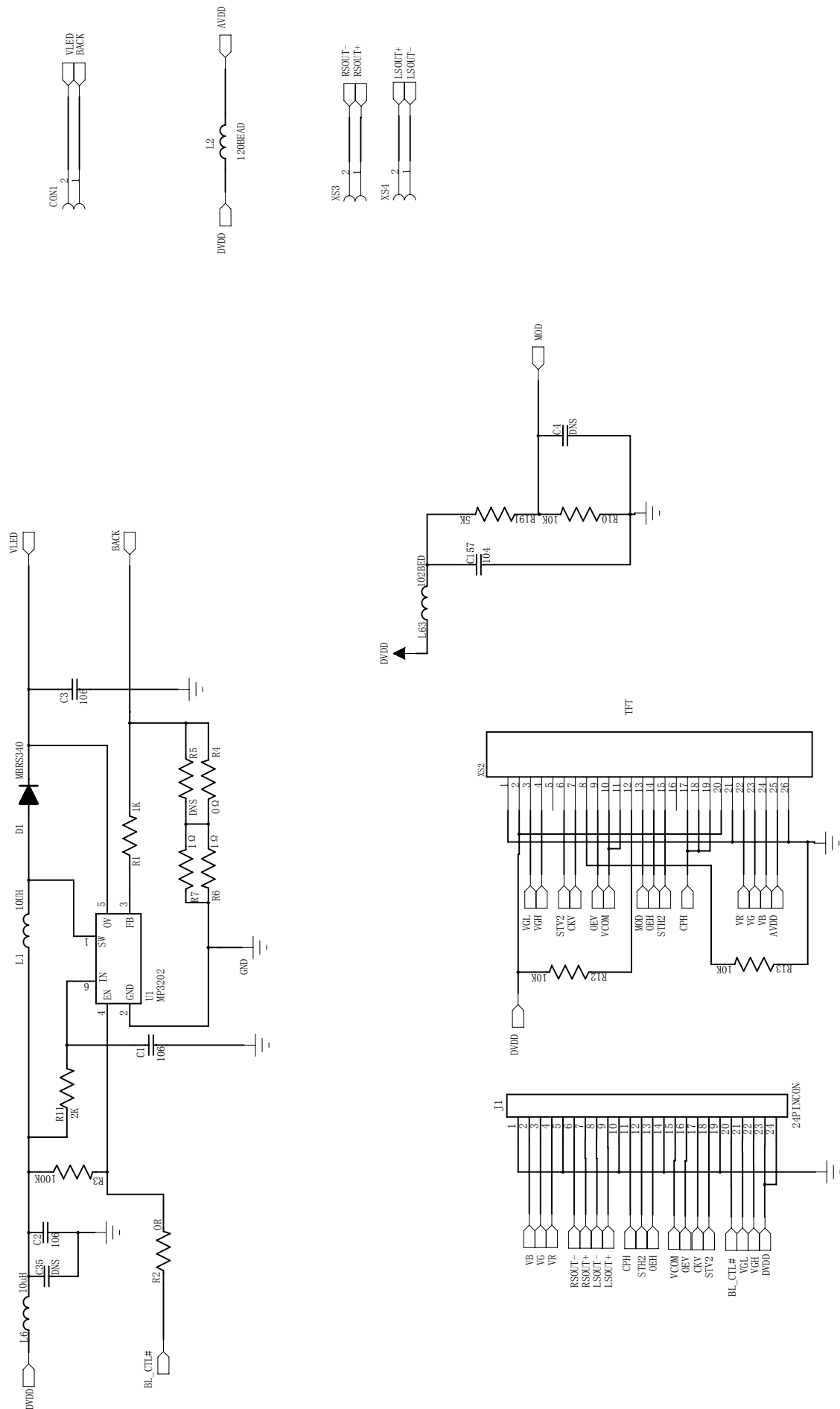




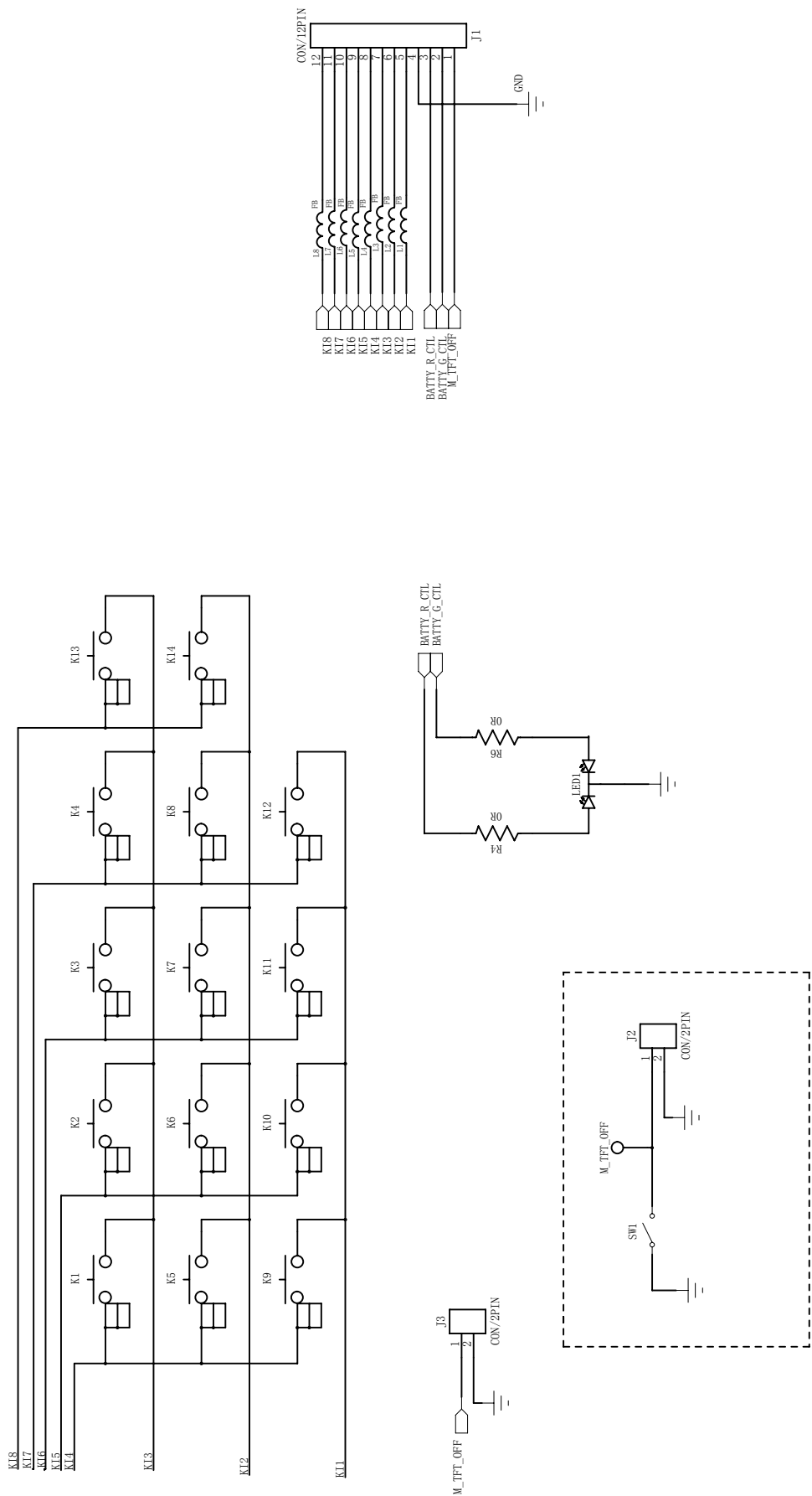
5.2.2 AV Board.



5.2.3 RISE PRESS BOARD.



5.2.4 Main panel .



Chapter Six BOM List

DL386SI(RU)SILVER(1389P)

REMOTE CONTROL 5471929			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0970003	CERAMIC RESONATOR	455E	X801
0880220	IC	P2222 SOP	U801
0700007	SMD DIODE	14148	D801~D803 ①
0700001	SMD DIODE	LS4148	D801~D803 ①
0700001	SMD DIODE	LS4148	D801~D803 ①
0310048	SMD CAPACITOR	50V 151±5% NPO 0603	C802,C803
0090272	SMD RESISTOR	1/16W 1Ω±5% 0603	R801
0630009	EMISSION PIPE	TSAL4400	LED801 ②
0630010	EMISSION PIPE	LTE-4206	LED801 ②
0780130	SMD TRIODE	STC3265	Q801
5070070	PLASTIC BAG	85×250	
4000038	SELF-TAPPING SCREW	PB 2.3×6 COLOR ZINC	FOR CONNECTING UPPER AND LOWER COVER
3850126	ANODE/CATHODE SPRING	RC026	
3051273	GLASS OF REMOTE CONTROLLER	026 MING PURPLE	
3850124	ANODE SPRING	RC026	
3850125	CATHODE SPRING	RC026	
3041399	BOTTOM CASING OF REMOTE CONTROL	026 BLACK 2#	
3051319	BATTERY CASE DOOR OF REMOTE CONTROL	026 BLACK 2#	
1564324	PCB	8516SI-3	
4631081	CONDUCT GLUE OF REMOTE CONTROL	RC026-09R	
3032040	SURFACE CASING OF REMOTE CONTROL	RC026-13R BLACK	

DL386SI(RU)SILVER(1389P)

BATTERY CASE 5472136			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
3070167	LOWER COVER OF BATTERY	371 DEEP GREY	

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
5446634	PCB SEMI-FINISHED PRODUCT	E371-3 371D(RU)	
1510201	RECHARGEABLE BATTERY	2750MAH 7.2V LITHIUM 102×68×4.6	
5448114	PCB SEMI-FINISHED PRODUCT	D3752 370D(RU)	
3075542	UPPER COVER OF BATTERY CASE	386SI(RU) DARK GREY	
5142620	SN LABEL	PORFABLE DVD BATTEMETAL OXIDE FILM RESISTOR WITH BAR CODE NUMBER	
1050024	HEAT SENSITIVITY RESISTOR	NTC 10K±5% B:3950K 120MM	

DL386SI(RU)SILVER(1389P)

BATTERY CONNECTOR PLATE BOARD E371-3 5446634			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
1632077	PCB	E371-3	
3630280	BATTEMETAL OXIDE FILM RESISTOR POLARITY LABEL	371 GILD	

DL386SI(RU)SILVER(1389P)

BATTERY PROTECT BOARD D375K-2 5448114			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0090014	SMD RESISTOR	1/16W 1K±5% 0603	RB1,RB3,RB4,RB5
0310594	SMD CAPACITOR	25V 104±10% 0603	CB1,CB2,CB3,CB4,CB5 ③
0310543	SMD CAPACITOR	50V 104 ±10% 7R 0603	CB1,CB2,CB3,CB4,CB5 ③
0090233	SMD RESISTOR	1/16W 4.7MΩ±5% 0603	RB2
0310219	SMD CAPACITOR	16V 106 +80%-20% 1206	CB6
2300023	SMD FUSE	3AL 125V	FB1
0790040	FIELD EFFECT TRANSISTOR	UP1870 SSOP	QB1
0881941	IC	S8232AUFT TSSOP	UB1
5140257	VERSION LABEL	2.0 SQUARE	
1632920	PCB	D375K-2	
1050024	HEAT SENSITIVITY RESISTOR	NTC 10K±5% B:3950K 120MM	RP1

DL386SI(RU)SILVER(1389P)

POWER ADAPTER 5471935			
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MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
4000119	SELF-TAPPING SCREW	PB 3×8 WHITE	
5231264	FOOT SPACER	φ7×1 RUBBER	
3051356	INDICATOR LIGHT MANTLE O POWER CASE	021 TRANSPARENCE	
5235873	PVC PIECE	20×15×0.2 WHITE SINGLE-FACED WITH GLUE IN REAR SIDE	
3041506	BOTTOM COVER OF POWER CASE	021 BLACK	
3032041	UPPER COVER OF POWER CASE	021 BLACK	
5449774	PCB SEMI-FINISHED PRODUCT	5 021-2 387SI(RU)	

DL386SI(RU)SILVER(1389P)

POWER BOARD @AK5021-2 5449774			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0210070	TERYLENE CAPACITOR	275V 104±10% 15mm	C1
0090057	SMD RESISTOR	1/10W 4.7K±5% 0805	R18
0090125	SMD RESISTOR	1/8W 22Ω±5% 1206	R10,R11
0200166	PORCELAIN CAPACITOR	500V 103±20% 5mm	C3
0200232	PORCELAIN CAPACITOR	500V 101±10% 5mm	C10
0090050	SMD RESISTOR	1/10W 1K±5% 0805	R16
0090052	SMD RESISTOR	1/10W 2.2K±5% 0805	R8,R17
0090054	SMD RESISTOR	1/10W 3K±5% 0805	R5
0090063	SMD RESISTOR	1/10W 10K±5% 0805	R15
0570005	=VLOOKUP(D12,Sheet1!A:B,2,0)	1N4007	D1~D4
0310092	SMD CAPACITOR	50V 103±20% 7R 0805	C14
0310038	SMD CAPACITOR	50V 104+80%-20% Y5V 0805	C13,C15
0390052	MAGNETIC BEADS INDUCTOR	FB	J2
0700001	SMD DIODE	LS4148	D6
0090141	SMD RESISTOR	1/10W 3.3Ω±5% 0805	R7
0620025	LIGHT-EMITTING DIODE	3R 4SD RED	LED
0570014	=VLOOKUP(D19,Sheet1!A:B,2,0)	HER107	D5
0310182	SMD CAPACITOR	50V 473±20% 7R 0805	C6,C7

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0200277	CERAMIC CAPACITOR	1000V222±20% SHAPED 7.5mm	C5
1870029	POWER SUPPLY SOCKET	S2S (UL)	JK1
0390273	=VLOOKUP(D23,Sheet1!A:B,2,0)	75uH±25%3A $\phi 9 \times \phi 5 \times 3$ 4mm	LF2
0881934	IC	F0565R TO-2206L	IC1
0200341	CERAMIC CAPACITOR	C81 250VAC 102±20% 10mm	C17,C2
0090653	SMD RESISTOR	1/8W 2K±5% 1206	R6,R9
0882462	IC	AZ431AZ-A TO-92	IC3 ④
08824629	IC	AZ431AZ-A TO-92 BELT	IC3 ④
4400001	NUT	3	1PC FOR EACH LEFT AND RIGHT HEAT RADIATION
4230014	MACHINE-TAPPING SCREW	FM 3×8 WHITE NICKEL	1PC FOR EACH LEFT AND RIGHT HEAT RADIATION
5141895	=VLOOKUP(D30,Sheet1!A:B,2,0)	4.00 SQUARE WHITE	
1080037	PHOTOELECTRIC COUPLER	@HS817 CQC	IC2
0090750	SMD RESISTOR	1/8W 680K±5% 1206	R1,R2
2140350	POWER SUPPLY WIRE	2P1.2m $\phi 4.0$ DC FLEX INSERT	
0090777	PRECISION SMD RESISTOR	1/10W1.2K±1% 0805	R13
0090778	PRECISION SMD RESISTOR	1/10W430 Ω ±1% 0805	R14
0260790	CD	CD11 105℃ 50V47U M 6×12 2.5	C8
0260792	CD	GS 105℃ 400V47U M 16×25 7.5	C4
0090770	SMD RESISTOR	1/8W240K±5% 1206	R5A,R5B,R6A,R6B
0460603	SWITCH POWER TRANSFORMER	@BC25-0106 SJ	TR1
0680093	SCHOTTKY DIODE	SB10100CT PLASTIC SEALED TO-220	D10
1000060	POWER GRID FILTER	@JLB1020 30MH $+\infty-0\%$ SJ	LF1
2300058	FUSE	@1.6AL 250V WITH CANNULA CQC	F1
5235224	INSULATION PLATISC BAND	PZ-281 LENGTH:60M WIDTH:65MM DEEP YELLOW	WIND 3 LAYERS FOR CORRESPONDING PLACE OF LEFT HEAT RADIATION
3580229	HEAT RADIATION PIECE	90×19×2	
3580230	HEAT RADIATION PIECE	21	
0260794	CD	CD288H 25V1000U±20%10×16 5	C11,C12
0090816	SMD RESISTOR	1/4W47K±5% 1206	R4

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
5235791	INSULATION PLATISC BAND	PZ-281 LENGTH:60M WIDTH:18MM DEEP YELLOW	WIND 3 LAYERS AROUND SWITCH POWER TRANSFORMER
0090817	SMD RESISTOR	1/4W39K±5% 1206	R3
1564487	PCB	@5021-2 CQC	
2100062	CONNETION CORDS	Φ0.8 SHAPED 5MM	L2

DL386SI(RU)SILVER(1389P)

CAR POWER LINKER D333S-0 5472106			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0000283	CARBON FILM RESISTOR	1/4W1K±5% SHAPED 10	R1
2110002	LEAD	24# 30mm RED	
2110004	LEAD	24# 40mm BLACK	
2300018	FUSE	3.15AL 250V (VDE/UL)	
0680065	SCHOTTKY DIODE	SR560 DO-27 SHAPED 20mm	VD1,VD3
5232168	DUST-PROOF NET	008 BLACK	
5232167	FIBRE SLEEVE	Φ1 WHITE	
3810034	SPRING	8	
3870754	SPACER	8	
3040843	LOWER COVER OF CAR POWER CONNECTING CASE	008 BLACK	
3630186	SHRAPNEL	8	
3031156	UPPER COVER OF CAR POWER CONNECTING CASE	008 BLACK	
3870756	FUSE HOLDER	8	
5071052	DOUBLE-FACE GAS BEAD BAG	120×350	
0620184	LIGHT-EMITTING DIODE	3O 3PD ORANGE	VD2
1632718	PCB	D333S-0	
2140367	POWER SUPPLY WIRE	2P 2m WITH Φ4.0DC CURVE PLUG	P+,P-
3872547	TOUCH HEAD	008(RU)	
3060670	TOUCH HEAD COVER	008(RU)BLACK	

DL386SI(RU)SILVER(1389P)

RISE PRESS BOARD CDL386SI-1 4941235			
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MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0090002	SMD RESISTOR	1/16W 2.2Ω ±5% 0603	R7
0390021	SMD INDUCTOR	10UH ±10% 3216	L6
0090034	SMD RESISTOR	1/16W 100K±5% 0603	R3
0090020	SMD RESISTOR	1/16W 5.1K±5% 0603	R191
0090014	SMD RESISTOR	1/16W 1K±5% 0603	R1
0090223	SMD RESISTOR	1/16W 2K±5%	R11
0310389	SMD CAPACITOR	10V 106 +80%-20% Y5V 0805	C2,C1
0090023	SMD RESISTOR	1/16W 10K±5% 0603	R10,R12,R13
0090001	SMD RESISTOR	1/16W 0Ω±5% 0603	R2,R4
0680028	SMD SCHOTTKY DIODE	MBRS340	D1
0390259	SMD MAGNETIC BEADS	FC2012-1202A	L2 ⑤
0390444	SMD MAGNETIC BEADS	PZ2012U121	L2 ⑤
0390444	SMD MAGNETIC BEADS	PZ2012U121	L2 ⑤
1940194	CABLE SOCKET	26P 0.5mm SMD,SUBMIT MEET WITH CLASP	XS2
0310695	SMD CAPACITOR	10V 104±5% 7R 0603	C157
0310752	SMD CAPACITOR	25V 106±10% 5R 1206	C3
0390302	SMD MAGNETIC BEADS	MGHB1608S102	L63
1940238	SOCKET	2P 1.25mm SMD	CON1
5141757	VERSION LABEL	2.02 SQUARE WHITE	
1940291	SOCKET	24P 0.8mm SMD	J1
0390455	SMD CORES INDUCTOR	10UH±20% SRD0403	L1
0090838	SMD RESISTOR	1/10W1Ω±5% 0603	R6
0883116	IC	MP3202DJ TSOT23-6	U1
1634792	PCB	C 386SI-1 FR4 D1.0 PX	

DL386SI(RU)SILVER(1389P)

DECODE BOARD 2DL386SI-3 4941231			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0780085	SMD TRIODE	8050D	Q3,Q4,Q16,Q19,Q26,Q33~Q35,Q37,Q38

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0880176	IC	L358M SOP	U24
0700007	SMD DIODE	14148	D1,D9,D11,D12 ⑥
0700001	SMD DIODE	LS4148	D1,D9,D11,D12 ⑥
0700001	SMD DIODE	LS4148	D1,D9,D11,D12 ⑥
0390044	SMD INDUCTOR	10UH±10% 2012	L12,L27~L30,L54,L60,L61
0390021	SMD INDUCTOR	10UH±10% 3216	L58
0090507	SMD RESISTOR	1/16W 4.7Ω±5% 0402	R135,R136
0310413	SMD CAPACITOR	50V 15P±5% NPO 0402	C108
0310392	SMD CAPACITOR	50V 102±10% 7R 0402	C22,C25,C73,C80,C99,C100,C109,C111,C185,C188,C118
0310394	SMD CAPACITOR	50V 222±10% 7R 0402	C127,C129
0310453	SMD CAPACITOR	25V 103±10% 7R 0402	C30,C226
0310480	SMD CAPACITOR	10V 104±10% 5R 0402	C1~C7,C12,C18,C20,C23,C34,C44,C45,C51,C53,C55,C87,C92,C93,C115,C128,C130,C150,C174,C182~C184,C190,C192~C194,C201,C203~C205,C209,C211,C213,C230,C232~C234,C236,C238,C240,C242,C244,C245,C247,C250~C259,C261~C267,C298,C301,C303~C306,C312,C102,C103,C104,C315
0090185	SMD RESISTOR	1/16W 6.2K±5% 0603	R68,R77
0090401	SMD RESISTOR	1/16W 51K±5% 0402	R22
0310389	SMD CAPACITOR	10V 106 +80%-20% Y5V 0805	C8~C11,C13,C14,C19,C46,C59,C68,C94,C97,C98,C116,C124,C125,C140,C175,C197,C198,C202,C208,C210,C212,C237,C239,C241,C243,C246,C248,C249,C260,C288,C302,C308,C320
1940170	SOCKET	2P 2.0mm STRAIGHT CURVING	XS9
1940022	SOCKET	4P 2.0mm	XS2,XS7
0780129	SMD TRIODE	8550D	Q1,Q17,Q39
0090454	PRECISION SMD RESISTOR	1/16W 22K±1% 0402	R62
0090462	PRECISION SMD RESISTOR	1/16W 10K±1% 0402	R262,R304,R305
0780040	SMD TRIODE	3904(100-300) SO23	Q2,Q27~Q29
0780041	SMD TRIODE	3906(100-300) SO23	Q5
0880768	IC	C4558 SOP	U10,U15

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0390096	SMD INDUCTOR	1.8UH±10% 1608	L24,L37~L39,L40
0780115	SMD TRIODE	2SB1132	Q22,Q23
0310445	SMD CAPACITOR	50V 122±10% 7R 0402	C69,C76
0090005	SMD RESISTOR	1/16W 33Ω±5% 0603	R173
0090339	SMD RESISTOR	1/16W 100Ω±5% 0402	R50,R159
0090326	SMD RESISTOR	1/16W 10Ω±5% 0402	R48,R310
0090330	SMD RESISTOR	1/16W 33Ω±5% 0402	R8~R11,R175,R176,R178,R180,R181,R228,R229
0090324	SMD RESISTOR	1/16W 0Ω±5% 0402	R1,R20,R27,R36,R103,R113,R134,R137,R145,R153,R154,R184,R218,R234~R236,R239,R66,R87,R88,R124,R125
0090354	SMD RESISTOR	1/16W 470Ω±5% 0402	R279,R281,R300
0090356	SMD RESISTOR	1/16560Ω±5% 0402	R74,R83,R116,R117,R188,R189,R238
0090359	SMD RESISTOR	1/16W 750Ω±5% 0402	R25,R42
0090362	SMD RESISTOR	1/16W 1K±5% 0402	R37,R58,R60,R63,R101,R102,R111,R150,R155,R190,R237,R246,R247,R274,R275,R303,R311,R123
0090342	SMD RESISTOR	1/16W150Ω±5% 0402	R32,R44,R45,R67,R73,R76,R91,R98
0090345	SMD RESISTOR	1/16W 200Ω±5% 0402	R39,R59
0090348	SMD RESISTOR	1/16W270Ω±5% 0402	R200,R207,R214
0090350	SMD RESISTOR	1/16330Ω±5% 0402	R14,R72,R81
0090394	SMD RESISTOR	1/16W 27K±5% 0402	R21,R242,R243
0090395	SMD RESISTOR	1/16W 30K±5% 0402	R71,R80
0090397	SMD RESISTOR	1/1636K±5% 0402	R282
0090382	SMD RESISTOR	1/16W7.5K±5% 0402	R120,R199,R206,R213
0090385	SMD RESISTOR	1/16W 10K±5% 0402	R12,R13,R17~R19,R28,R31,R34,R43,R46,R47,R49,R51~R55,R82,R121,R122,R96,R99,R108,R110,R112,R119,R130,R131,R115,R219,R220,R245,R289,R296,R297,R301,R191,R308,R313
0090389	SMD RESISTOR	1/1615K±5% 0402	R57,R230,R244
0090390	SMD RESISTOR	1/16W 18K±5% 0402	R16

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0090391	SMD RESISTOR	1/16W 20K±5% 0402	R70,R79,R89,R90,R198,R205,R212,R94,R95
0090369	SMD RESISTOR	1/16W 2.2K±5% 0402	R278,R283
0090371	SMD RESISTOR	1/16W2.7K±5% 0402	R107
0090377	SMD RESISTOR	1/16W 4.7K±5% 0402	R3~R7,R33,R69,R78,R105,R109,R118,R298,R306,R307,R309,R319
0090381	SMD RESISTOR	1/1639Ω±5% 0402	R23
0090412	SMD RESISTOR	1/16W 150K±5% 0402	R138,R139
0090417	SMD RESISTOR	1/16W 220K±5% 0402	R276
0090424	SMD RESISTOR	1/16W430K±5% 0402	R56
0090398	SMD RESISTOR	1/16W 39K±5% 0402	R85
0090400	SMD RESISTOR	1/16W 47K±5% 0402	R86,R280
0090408	SMD RESISTOR	1/16W 100K±5% 0402	R64,R75,R84,R97,R100,R132,R133,R221~R224,R227,R232,R233,R277
0090429	SMD RESISTOR	1/16W 680K±5% 0402	R26,R149,R151,R152,R202,R209,R216
0090430	SMD RESISTOR	1/16W750K±5% 0402	R231,R203,R210,R217
0090445	SMD RESISTOR	1/16W 1Ω±5% 0402	R128
0310429	SMD CAPACITOR	50V 68P ±5% NPO 0402	C16,C17
0310446	SMD CAPACITOR	50V 152±10% 7R 0402	C199
0310476	SMD CAPACITOR	10V 106 +80%-20% Y5V 1206	C67,C74
0390142	SMD MAGNETIC BEADS	FC1608-60102	L6,L33,L41,L62
0310234	SMD CAPACITOR	16V 105 +80%-20% Y5V 0603	C57,C58,C64~C66
0960236	SMD CRYSTAL OSCILLATOR	27.00MHz 49-S	Y2
0100019	SMD RESISTOR NETWORKS	1/16W 33Ω±5% 8P	RN1
2360016	IR SENSOR	HS0038B3V	U5
0680028	SMD SCHOTTKY DIODE	MBRS340	D2~D5,D23,D13
0310362	SMD CAPACITOR	16V474 +80%-20% Y5V 0603	C60,C61,C84,C88,C43
0881672	IC	L4863MTE TSSOP	U12
0780197	SMD TRIODE	C1815	Q7,Q8,Q10,Q12
0260441	CD	CD11E 10V220U±20%8×5 3.5	C21
0780193	SMD TRIODE	2S3018	Q20,Q21

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0700056	SMD DOUBLE DIODE	MMBD4148SE SO23	D8,D10
1940094	CABLE SOCKET	24P 0.5mm SMD SUBMIT MEET WITH CLASP	XS1
0390259	SMD MAGNETIC BEADS	FC2012-1202A	L25 ⑦
0390444	SMD MAGNETIC BEADS	PZ2012U121	L25 ⑦
0390444	SMD MAGNETIC BEADS	PZ2012U121	L25 ⑦
1350062	TESTING SWITCH	DS-24	SW1
0680042	SMD SCHOTTKY DIODE	B54S SO23	D6,D7,D17,D18
0390279	SMD COIL THREAD INDUCTOR	100uH±10% 3225	L11,L55
0090135	SMD RESISTOR	1/8W 100Ω±5% 1206	R294,R295
0260671	CD	CD288H 25V100U±20%6.3×11 2.5	C153
0090648	PRECISION SMD RESISTOR	1/16W 75Ω±1% 0402	R106,R201,R208,R215,R114
0090652	PRECISION SMD RESISTOR	1/16W 1K±1% 0402	R157
0310721	SMD CAPACITOR	50V 331±5% NPO 0402	C224,C225
0310710	SMD CAPACITOR	16V 333±10% 5R 0402	C191
0882322	IC	AZ431-2.5V SO23	U14,U25
0700136	SMD VOLTAGE REGULATOR DIODE	16V±5% 1/2W MINIMELF	D22,D14,D15
0700137	SMD VOLTAGE REGULATOR DIODE	11V±5% 1/2W MINIMELF	D19
0310415	SMD CAPACITOR	50V 20P±5% NPO 0402	C31,C35,C39,C48,C110,C113,C189
0090666	PRECISION SMD RESISTOR	1/16W 47K±1% 0402	R65,R290,R291
0310454	SMD CAPACITOR	16V 153±10% 7R 0402	C227
0310408	SMD CAPACITOR	50V 10P±0.5P NPO 0402	C299,C300
0310756	SMD CAPACITOR	16V 106 +80%-20% Y5V 0805	C62,C63,C56
0310483	SMD CAPACITOR	10V 105±10% 5R 0603	C71,C78,C95,C96,C214~C218
0310752	SMD CAPACITOR	25V 106±10% 5R 1206	C75,C89
0090644	SMD RESISTOR	1/16W 18Ω±5% 0402	R225
0882476	IC	TP62200 SO23-5	U9
0090673	PRECISION SMD RESISTOR	1/16W 51K±1% 0402	R15
0310712	SMD CAPACITOR	10V 473±10% 5R 0402	C179,C186,C187

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0310416	SMD CAPACITOR	50V 22P±5% NPO 0402	C107
0310420	SMD CAPACITOR	50V 33P±5% NPO 0402	C180,C181
0310424	SMD CAPACITOR	50V 47P±5% NPO 0402	C29,C112,C114
0310432	SMD CAPACITOR	50V 101±5% NPO 0402	C28,C161,C162,C165,C166,C169,C170,C70,C77
0090536	SMD RESISTOR	1/8W 0.27Ω±5% 1206	R284~R288
0260569	CD	CD11E 16V10U±20%4×5 1.5	C72,C79,C81,C85,C86
0390302	SMD MAGNETIC BEADS	MGHB1608S102	L1,L2,L5,L9,L10,L17,L18,L20~L23,L32,L42~L53,L56,L57
0960245	SMD CRYSTAL OSCILLATOR	8.00MHz±20ppm 49-S	Y5
5141761	VERSION LABEL	2.06 SQUARE WHITE	
1940291	SOCKET	24P 0.8mm SMD	J7
1940301	CABLE SOCKET	14P 1.0mm DUAL RANK TOUCH POINT,SMD,HORIZONTAL	J6
0882749	IC	24C02 SOP	U16
0882868	IC	S39454ZZ TSSOP(379R/G)	U23
0090739	PRECISION SMD RESISTOR	1/16W 2K±1% 0402	R158
0882886	IC	5898N HSOP	U4
0090735	SMD RESISTOR	1/4W 0.1Ω±5% 1206	R24,R41
0790095	SMD FIELD EFFECT TRANSISTOR	AO3409 SO23	Q24,Q25,Q36
0390433	VERTICAL INDUCTOR	47uH±10% 8×5 5mm	L3,L31,L65
0090759	SMD RESISTOR	1/16W 150Ω±5% 0402	R197,R204,R211
0390455	SMD CORES INDUCTOR	10UH±20% SRD0403	L4,L8,L26,L34
0883187	IC	1500 SO26	U13
0090796	SMD RESISTOR	1/1656Ω±5% 0402	R226
0310839	SMD CAPACITOR	16V 106±10% 5R 1206	C163,C164,C167,C168,C171,C172
1870070	POWER SUPPLY SOCKET	DS-0341D00-130-310	J2
1870071	POWER SUPPLY SOCKET	DC-023-01	J1
0260819	CD	CD11ET 16V100U±20%6.3×5 2.5	C307,C313,C314,C15,C26,C27,C49,C82,C83,C90,C91,C101,C105
0260811	CD	CD11C 6.3V330U±20%6.3×7 2.5	C24,C52,C195,C200,C235
0090820	PRECISION SMD RESISTOR	1/161.2K±1% 0402	R160

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0310844	SMD CAPACITOR	10V 224±20% 5R 0402	C311
0090834	PRECISION SMD RESISTOR	1/16W 5.1K±1% 0402	R61,R240
0883435	IC	MT1389FE/P(P EDITION) LQFP	U1
0090839	PRECISION SMD RESISTOR	1/16W3K±1% 0402	R156,R299
1940414	CABLE SOCKET	12P 1.0MM DUAL LINE TOUCH POINT,SMD,HORIZONTAL	J9
0090843	PRECISION SMD RESISTOR	1/16W6.8K±1% 0402	R38
0090850	PRECISION SMD RESISTOR	1/16W2.2K±1% 0402	R40
0090851	PRECISION SMD RESISTOR	1/16W5.6K±1% 0402	R263
0883532	IC	HY57V641620FTP-7 SOP	U3
1860177	USB SOCKET	USB-A04-004	J5
0912074	PROGRAM FLASH	ROM386SIRU-0A(16M)	U2
0790146	SMD FIELD EFFECT TRANSISTOR	AM4835P SO8	U6,Q40,Q41
1634866	PCB	2 386SI-3 FR4 D1.0 PX	

DL386SI(RU)SILVER(1389P)

PROGRAM FLASH 0912074			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0882665	IC	S29AL016D70TFI02 TSOP	U2

DL386SI(RU)SILVER(1389P)

AV BOARD 7DL386SI-3 4941238			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0200077	PORCELAIN CAPACITOR	50V 102±10% 2.5mm	C7,C9
0580006	VOLTAGE REGULATOR DIODE	5.1V±5% 1/2W	D5,D8
1310083	STIR SWITCH	S12D06-D2	SW2
0160157	ROTATED POTENTIOMETER	WHE101GB-2B5016	VR1
1940225	CABLE SOCKET	7P 1.0mm DUAL RANK TOUCH POINT,DUAL RANK STRAIGHT INSERT	J2
5141757	VERSION LABEL	2.02 SQUARE WHITE	
1980098	EARPHONE SOCKET	S0290D00-040-100	J6
1980110	EARPHONE SOCKET	S0250D00-077-410	J3,J4

MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
1634832	PCB	7 386SI-3 FR4 D1.0 PX	

DL386SI(RU)SILVER(1389P)

BATTERY LINKER GDL386SI-0 4941237			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
1860063	BATTERY LINKER	4P 2.5mm DC-001-040-100	J10
1634624	PCB	G386SI-0 FR4 D1.0 PX	
2122838	SOFT FLAT CABLE	4P50 2.0 T1 22#CORD	FROM BATTERY LINKER BOARD TO DECODE BOARD

DL386SI(RU)SILVER(1389P)

TESTING SWITCH BOARD 9DL386SI-2 4941236			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
2110066	DUAL-CORD	26# 50mm RED BLACK	DETECTIVE SWITCH BOARD OF SCREEN TO MAIN PANEL
1350062	TESTING SWITCH	DS-24	SW1
1634883	PCB	9 386SI-2 FR4 D1.0 PX	

DL386SI(RU)SILVER(1389P)

MAIN PANEL 4DL386SI-0 4941234			
MATERIAL CODE	MATERIAL NAME	SPECIFICATIONS	LOCATION
0090014	SMD RESISTOR	1/16W 1K±5% 0603	L1~L8
0620032	DUAL COLOR LIGHT-EMITTING DIODE	2RG 59SW RED GREEN 2×5×7	LED1
1940414	CABLE SOCKET	12P 1.0MM DUAL LINE TOUCH POINT,SMD,HORIZONTAL	J1
1634620	PCB	4 386SI-0 FR4 D1.0 PX	