

Liquid Crystal Display Television

Service Manual

K360 series

Ver 1.0

Hisense Electric Co., Ltd.

November, 2013

LCD TV Service Manual

Product type	Chassis
LEDN39K360P	MST6E182VG
LEDN40K360P	MST6E182VG
LEDN40K366P	MST6E182VG
LEDN40K366P (1)	MST6E182VG
LEDN50K360GP	MST6E182VG
LEDN40K360PAM	MST6M182VG
LEDN50K360GPAM	MST6M182VG

Difference:

Chassis MST6E182 has TELETEXT and NICAM but Chassis MST6M182 has not

Contents

Contents	- 3 -
Service Manual	- 4 -
1. Precautions and notices.....	- 4 -
1.1 Warning.....	- 5 -
1.2 Notes.....	- 8 -
2. Product Specifications:	- 10 -
2.1 Main board layout:.....	- 10 -
2.2 Chassis MST6E182VG& MST6E182VG includes products:	- 13 -
2.3 K360 series front cover and terminals	- 15 -
K366 series front cover and terminals	- 17 -
LEDN40K366P(1).....	- 17 -
2.4 spec	- 19 -
3. Factory/Service OSD Menu and Adjustment.....	- 21 -
3.1 To enter the Factory OSD Menu	- 21 -
3.2 Factory OSD Menu.....	- 21 -
4. Software Upgrading.....	- 25 -
Before upgrading, read the following	- 25 -
4.1 Get ready for upgrading.....	- 25 -
4.2 Upgrading with the ISP_TOOL4.5.0.4	- 29 -
4.3 USB Software upgrading.....	- 34 -
5. Power assign & Signal process.....	- 37 -
5.1 MST6E182VG Power assign.....	- 37 -
5.2 MST6E182VG Signal process.....	- 38 -
6. Troubleshooting.....	- 39 -
6.1 Troubleshooting for Remote Control	- 39 -
6.2 Troubleshooting for Function Key.....	- 40 -
6.3 TV won't Power On.....	- 41 -
6.4 Troubleshooting for Audio.....	- 42 -
6.5 Troubleshooting for TV/VGA/HDMI input.....	- 43 -
6.6 Troubleshooting for YPbPr input.....	- 44 -
6.7 Troubleshooting for Video/ input.....	- 45 -
7 Schematic circuit diagram	- 46 -
8 Explode view	- 46 -

Service Manual

1. Precautions and notices

BEFORE SERVICING THE LCD TV, READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

USE ONLY MANUFACTURER SPECIFIED REPLACEMENT PARTS WHEN SERVICING.

USE OF NON-AUTHORIZED PARTS WILL VOID THE MANUFACTURE'S WARRANTY

Proper service and repair is important to the safe, reliable operation of all Hisense Equipment. The service procedures recommended by Hisense and described in this Service Guide are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility is that improper service methods may damage the equipment and pose risk of personal injury

. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Service should only be performed by an experienced electronics

technician trained in the proper Television safety and service methods and procedures
Hereafter throughout this manual, Hisense will be referred to.

1.1 Warning

1.1.1

Critical components having special safety characteristics are identified with a ▲ by the Ref. No. in the parts list. Use of non-manufacturer's recommended parts may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Hisense assumes no liability, express or implied, arising out of any unauthorized modification of design. Service tech assumes all liability.

DANGER CAUTION

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE GUIDE.

1.1.2.

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, be sure to use antistatic table mats and properly use a grounding wrist strap. Keep components and tools also at this same potential.

IMPORTANT:

Always disconnect the power cord from AC outlet before replacing parts or modules.

1.1.3

To prevent electrical shock, use only a properly grounded 3 prong outlet or extension cord.

1.1.4

When replacement parts are required, be sure to use 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 and will void the manufacturer's warranty.

1.1.5

Safety regulations require that after a repair the set must be returned in its original condition. In addition, prior to closing set, check that:

>All wire harnesses and flex cables are properly routed and secured with factory tape and/or mounted cable clamps.

> All cables and connectors are properly insulated and do not have any bare wires/lead exposed.

1.1.6

(1) Do not supply a voltage higher than that specified to this product. This may damage the product and may cause a fire.

(2) Do not use this product:

> High humidity areas

> In an area where any water could enter or splash into the unit.

High humidity and water could damage the product and cause fire.

(3) If a foreign substance (such as water, metal, or liquid) gets inside the panel module, immediately turn off the power. Continuing to use the product may cause fire or electric shock.

(4) If the product emits smoke, and abnormal smell, or makes an abnormal sound, immediately turn off the power. Continuing to use the product, it may cause fire or electric shock.

(5) Do not pull out or insert the power cable from/to an outlet with wet hands. It may cause electric shock.

(6) Do not damage or modify the power cable. It may cause fire or electric shock.

(7) If the power cable is damaged, or if the connector is loose, do not use the product: otherwise, this can lead to fire or electric shock.

(8) If the power connector or the connector of the power cable becomes dirty or dusty, wipe it with a dry cloth. Otherwise, this can lead to fire.

(9) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

1.2 Notes

Notes on Safe Handling of the LCD panel and during service

The work procedures shown with the Note indication are important for ensuring the safety of the product and the servicing work. Be sure to follow these instructions.

- Before starting the work, secure a sufficient working space.
- At all times other than when adjusting and checking the product, be sure to turn OFF the POWER Button and disconnect the power cable from the power source of the TV during servicing.
- To prevent electric shock and breakage of PC board, start the servicing work at least 30 seconds after the main power has been turned off. Especially when installing and removing the power board, start servicing at least 2 minutes after the main power has been turned off.
- While the main power is on, do not touch any parts or circuits other than the ones specified. If any connection other than the one specified is made between the measuring equipment and the high voltage power supply block, it can result in electric shock or may trip the main circuit breaker. When installing the LCD module in, and removing it from the packing carton, be sure to have at least two persons perform the work.
- When the surface of the panel comes into contact with the cushioning materials, be sure to confirm that there is no foreign matter on top of the cushioning materials before the surface of the panel comes into contact with the cushioning materials.

Failure to observe this precaution may result in, the surface of the panel being scratched by foreign matter.

- Be sure to handle the circuit board by holding the large parts as the heat sink or transformer. Failure to observe this precaution may result in the occurrence of an abnormality in the soldered areas.
- Do not stack the circuit boards. Failure to observe this precaution may result in problems resulting from scratches on the parts, the deformation of parts, and short-circuits due to residual electric charge.
- Perform a safety check when servicing is completed. Verify that the peripherals of the serviced points have not undergone any deterioration during servicing. Also verify that the screws, parts and cables removed for servicing purposes have all been returned to their proper locations in accordance with the original setup.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of insinuated dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



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 literature accompanying the set.

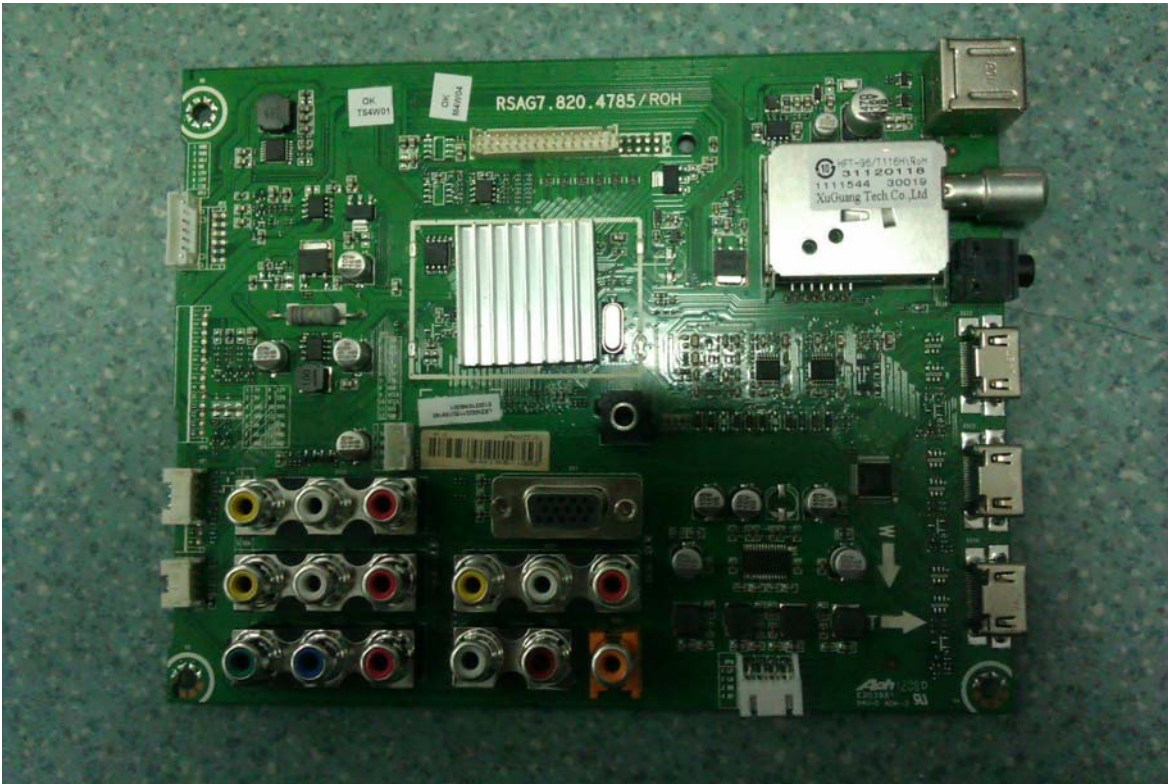
2. Product Specifications:

2.1 Main board layout:

LCD50C10P main board (4908) layout



LEDN32D11 Main board (4785) Layout



Note:

The above “main board image” is only for reference, other MST6E182 products refer to the actual units to determine the boards, please.

LCD TV Service Manual

Main board:RSAG7.820.4833 example for : LTDN39K300P(1) 、LEDN42K300P 、LEDN40K360P、LEDN50K360GP、LEDN50K360GPAM、LEDN39K360P



Note:

The above “main board images” are only for reference, other MST6E182 or MST6M182

TV refer to the actual units to determine the boards, please.

LCD TV Service Manual

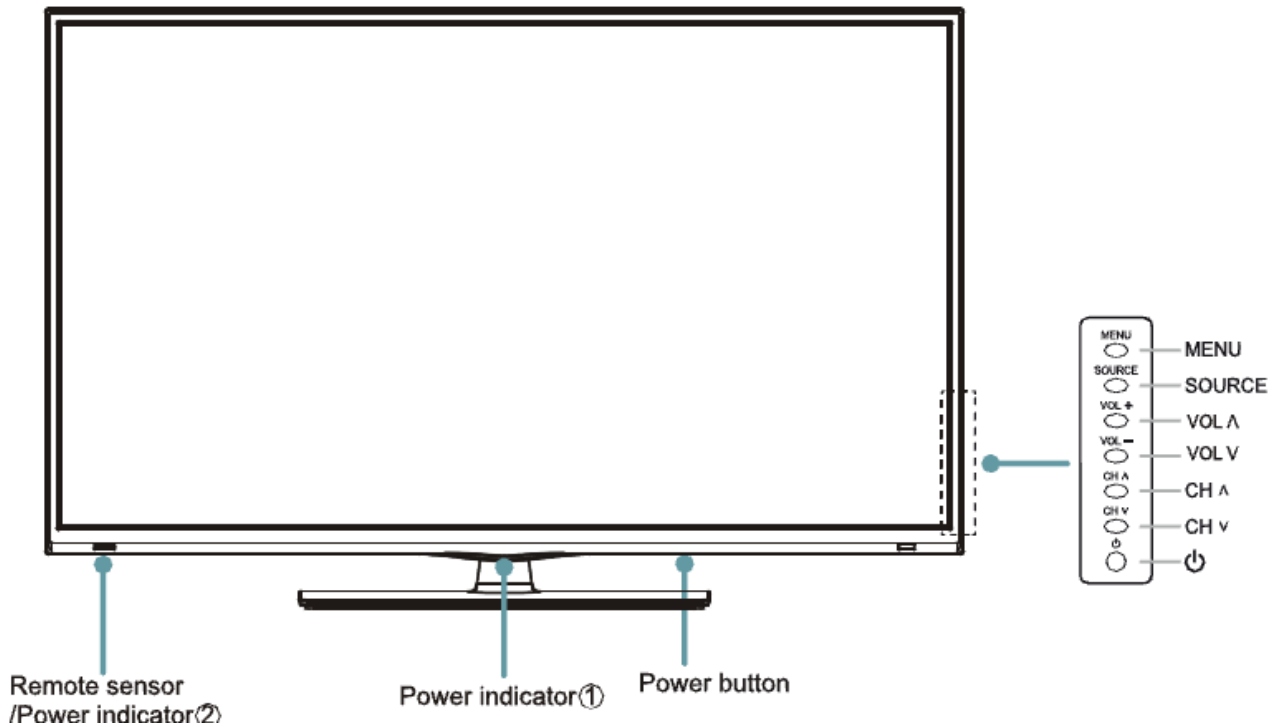
2.2 Chassis MST6E182VG& MST6E182VG includes products:

Main board PCB Version	Instruction	Use TV
RSAG7.820.4785	MST6E182 original Version, apply for LCD, DLED TV	LEDN32D11,LEDN42D11P
RSAG7.820.4833	MST6E182 LED TV. woofer	LEDN32K300 LEDN32K310, LEDN50K300P LEDN39K300P(1) LEDN42K300P LEDN50K316P LEDN39K316P LEDN39K360P LEDN42K316P LEDN40K360P LEDN40K366P LEDN50K360GP LEDN50K360GPAM
RSAG7.820.4908	Modify audio amplify on 4833, but no woofer	LCD50C10P
RSAG7.820.4745	MST6E181 original Version, apply for LED TV	LED32K26K
RSAG7.820.4395	MST6E181 LCD TV	LCD32V88K

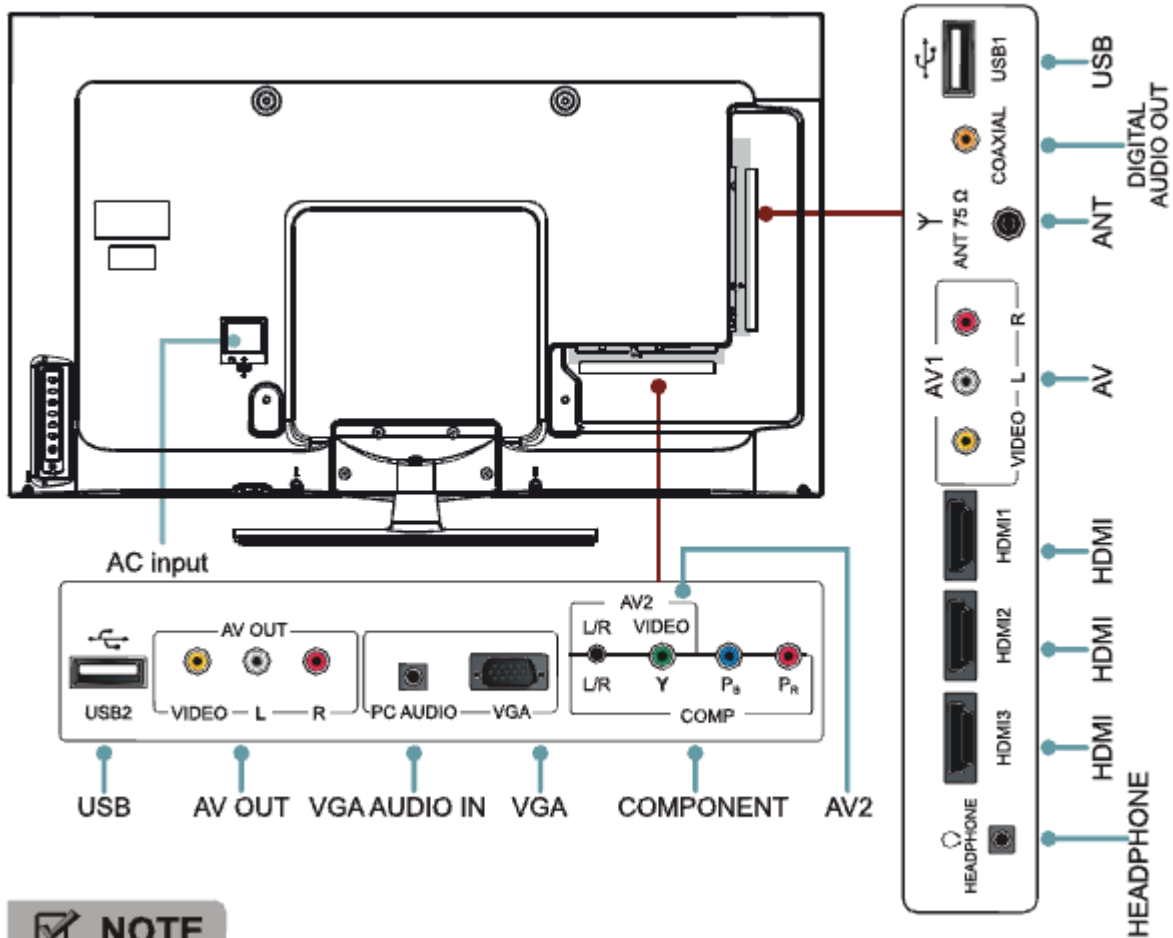
LCD TV Service Manual

Product	Panel Mode	LVDS (Main-Panel)	Main board
LEDN32D11	LC320DXN-SER1\JK\ROH	HX-0147\ROH	RSAG7. 820. 4785
LCD50C10P	V500HJ1-L01\JK\ROH	HX2-2X20KLB500P-HS\ROH	RSAG7. 820. 4908
LEDN32K310	HE315FH-E58\PW1\ROH	FFC-30-332\ROH	RSAG7. 820. 4833
LEDN32K300	HE315FH-E58\PW1\ROH	FFC-30-332\ROH	RSAG7. 820. 4833
LEDN39K300P(1)	V390HJ1-LE1\JK\ROH	HX2-2×22KLB500P-CMO-4\ROH	RSAG7. 820. 4833
LEDN39K360P	V390HJ1-LE1\JK\ROH	HX2-2×22KLB500P-CMO-4\ROH	RSAG7. 820. 4833
LEDN50K300P	V500HJ1-LE1\JK\ROH	HX2-2×22KLB500P-CMO-4\ROH	RSAG7. 820. 4833
LEDN40K360P	HE400GF-B31\S1\ROH	HX2-2X20KLB450-HS\ROH	RSAG7. 820. 4833
LEDN40K366P	HE400GF-B31\S3\FM	HX2-2X20KLB450-HS\ROH	RSAG7. 820. 4833
LEDN40K366P(1)	HE400GF-B31 (1000) \S4\PW1	HX2-2x22KLB500P-HS\ROH	RSAG7. 820. 4833
LEDN50K360GP	HE500HF-B52\PW1\ROH	HX2-2X22KLB450P-AUO\ROH	RSAG7. 820. 4833
LEDN50K360GPAM	HE500HF-B52\PW1\ROH	HX2-2X22KLB450P-AUO\ROH	RSAG7. 820. 4833
LEDN39K316P	HE390GF-E01\PW1\ROH	HX2-2x22KLB450P-CMO\ROH	RSAG7. 820. 4833
LEDN42K316P	HE420FF-B57 (1000) \ROH	HX2-2x22KLB450P-CMO\ROH	RSAG7. 820. 4833

2.3 K360 series front cover and terminals



Item	Description
Power button	Turn on/off the TV. Caution: The TV continues to receive power even in standby mode. Unplug the power cord to disconnect power.
Remote sensor	Receives remote signals from the remote control. Do not put anything near the sensor, as its function may be affected.
Power indicator	The indicator①is bright when turned on, and the indicator②is red in standby mode.
MENU	Display an on-screen menu to setup your TV's features.
SOURCE	Select among the different input signal sources.
VOL ▲ / ▼	Adjust the volume.
CH ▲ / ▼	Select the channel.
Standby button ⏻	Put the TV in standby mode.



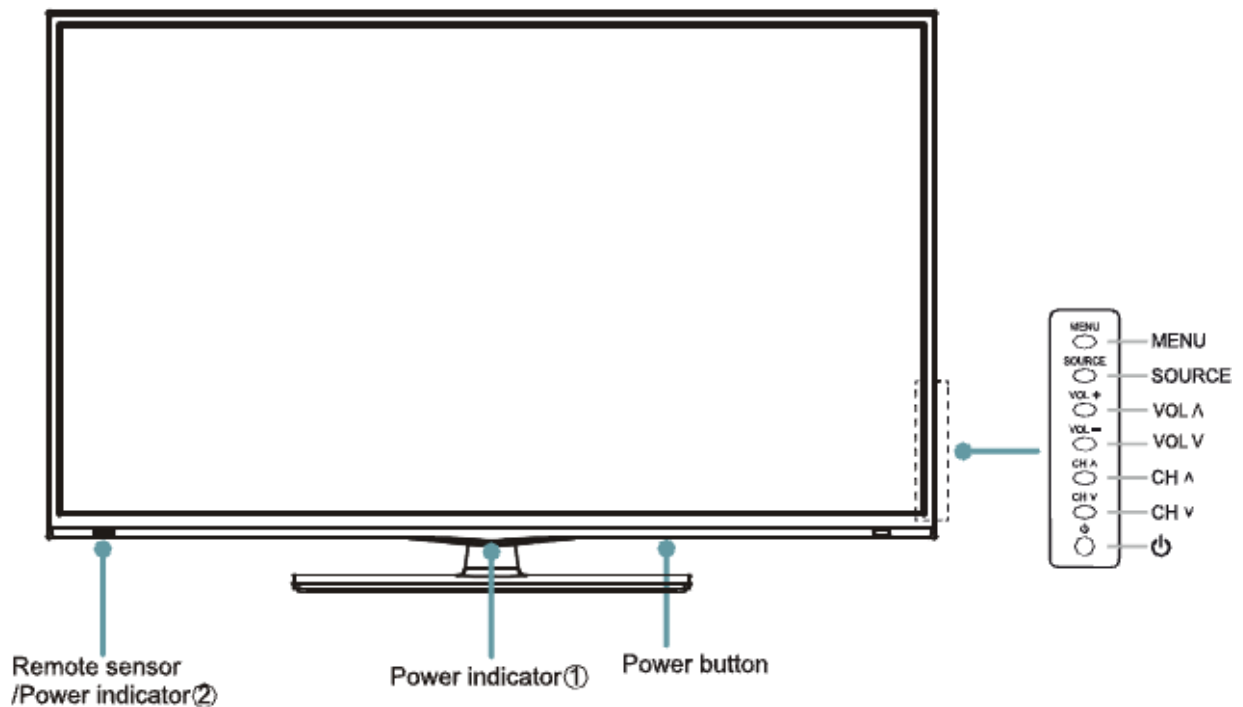
NOTE

- Some external devices impossible insert to this set for individual difference. Please replace with appropriate external signal cable or increase the adapter to match with the port in such case.

Item	Description
ANT	Connect an antenna or cable TV to this jack.
HDMI	HDMI (High-Definition Multimedia Interface) provides an uncompressed, all digital audio/video interface between this TV and any HDMI-device, such as a set-top box, Blu-ray disc player, or A/V receiver.
COMPONENT	Connect to a DVD player, Digital Set-Top-Box, or other A/V devices with component (Y _P B _R) video and audio output jacks.
AV	Connect to the composite video and audio (L/R) output jacks on external video devices.
VGA/PC AUDIO	Connect to a PC or other devices with a VGA interface.
AV OUT	Connect to external devices with video input function and transmit the video signals being played to these devices.
HEADPHONE	Connect headphone for private listening.
COAXIAL	Connect to an external digital audio device.
USB	Port for Digital Media Player.

K366 series front cover and terminals

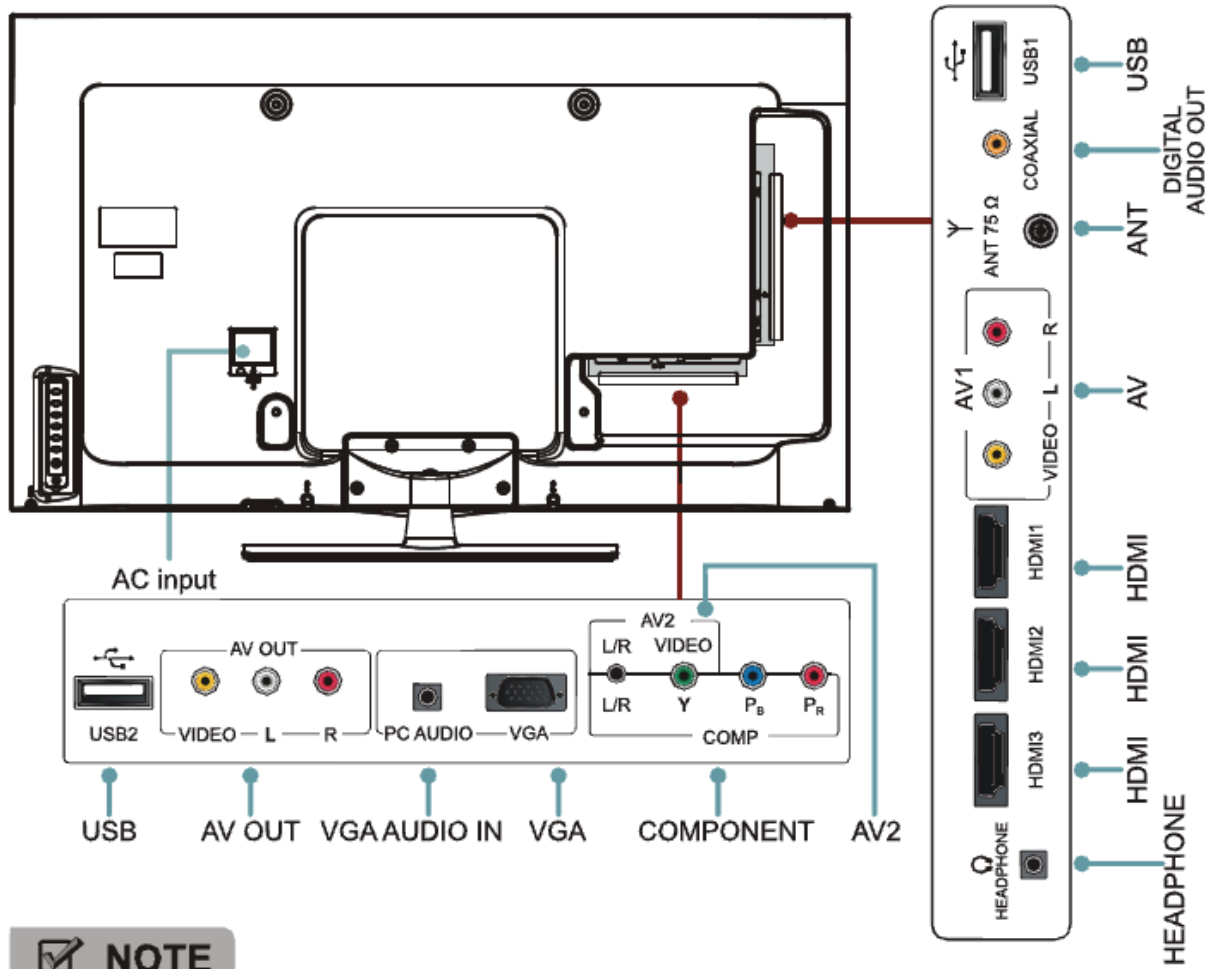
LEDN40K366P(1)



Item	Description
Power button	Turn on/off the TV. Caution: The TV continues to receive power even in standby mode. Unplug the power cord to disconnect power.
Remote sensor	Receives remote signals from the remote control. Do not put anything near the sensor, as its function may be affected.
Power indicator	The indicator ① is bright when turned on, and the indicator ② is red in standby mode.
MENU	Display an on-screen menu to setup your TV's features.
SOURCE	Select among the different input signal sources.
VOL ▲ / ▼	Adjust the volume.
CH ▲ / ▼	Select the channel.
Standby button (power icon)	Put the TV in standby mode.

NOTES

- FOR ILLUSTRATION ONLY.
- Powering up or down the TV requires several seconds of processing time. Do not rapidly turn the TV on/off as abnormal operation may occur.



2.4 spec

Model Name		LEDN40K360P	LEDN50K360GP
Dimension (mm)	Without Stand	921.8×552.3×57.9	1124 x 666 x 64
	With Stand	921.8×607.2×225	1124 x 729 x 281
Weight(kg)	Without Stand	11.5	18
	With Stand	13	21
LCD Panel Minimum size (diagonal)		40 inches (102 cm)	50 inches (126 cm)
Screen resolution		1920 x 1080	1920 x 1080
Audio power		7 W + 7 W	10 W + 10 W
Power consumption		70 W	90 W
Power supply		AC 100-240 V, 50/60 Hz	
Receiving systems	RF	PAL / SECAM-D / K,I,B/G	
	AV	PAL , NTSC , SECAM	
Environmental conditions		Temperature: 5°C~ 45°C Humidity: 20%-80% RH Atmospheric pressure: 86 kPa - 106 kPa	
Component Input		480 I / 60 Hz, 480 P / 60 Hz, 720 P / 60 Hz, 1080 I / 60 Hz, 1080 P / 60 Hz	
VGA Input		VGA (640×480 / 60 Hz), SVGA (800×600 / 60 Hz), XGA (1024×768 / 60 Hz)	
HDMI Input		RGB / 60 Hz (640×480, 800×600, 1024×768) YUV / 60 Hz (480 I, 480 P, 720 P, 1080 I, 1080 P)	

LCD TV Service Manual

Model Name		LEDN40K366P
Dimension (mm)	Without Stand	921.8×555.2×57.9
	With Stand	921.8×611.2×225
Weight(kg)	Without Stand	11.5
	With Stand	13
LCD Panel Minimum size (diagonal)		40 inches (102 cm)
Screen resolution		1920 x 1080
Audio power		7 W + 7 W
Power consumption		70 W
Power supply		AC 100-240 V, 50/60 Hz
Receiving systems	RF	PAL / SECAM-D / K,I,B/G
	AV	PAL , NTSC , SECAM
Environmental conditions		Temperature: 5°C~ 45°C Humidity: 20%-80% RH Atmospheric pressure: 86 kPa - 106 kPa
Component Input		480 I / 60 Hz, 480 P / 60 Hz, 720 P / 60 Hz, 1080 I / 60 Hz, 1080 P / 60 Hz
VGA Input		VGA (640×480 / 60 Hz), SVGA (800×600 / 60 Hz), XGA (1024×768 / 60 Hz)
HDMI Input		RGB / 60 Hz (640×480, 800×600, 1024×768) YUV / 60 Hz (480 I, 480 P, 720 P, 1080 I, 1080 P)

Made In China

3. Factory/Service OSD Menu and Adjustment

3.1 To enter the Factory OSD Menu

a. With factory RC (remote control)

1. Press “M” button and enter factory mode.
2. Press “Menu” button and enter factory OSD menu.
3. Press “▲”/“▼” button select the function menu, press “▶”/“◀” enter the selected function menu. Press “▶”/“◀” button adjust values in the menu.
4. Press “M” button exit factory mode in the factory OSD menu.

When TV outgoing factory, user can not enter factory OSD menu with Factory Remote

b. With user's RC

1. Power TV On
2. Press Menu button and call up User OSD Menu
3. Select Sound-> Balance
4. When Balance value is “0”, Enter 1->9->6 ->9 in sequence.
Note: If necessary, re-do number keys.
5. Factory OSD appears.
6. Press “Exit” button can exit factory OSD menu.

3.2 Factory OSD Menu

The Factory OSD Menu comprises Factory Menu and Design Menu .

3.2.1、 Factory Menu

FACTORY MENU

WHITE BALANCE
AUTO CALIBRATE
LOGO
OSD LANGUAGE
FUNCTION
INIT
WHITE PATTERN
INFORMATION

WHITE BALANCE

R DRV **132**
G DRV **128**
B DRV **132**
R CUT **128**
G CUT **128**
B CUT **128**

COL TEMP **STANDARD**
PANEL SELECT

AUTO CALIBRATE

Only in component and VGA
 SOURCE ,The “ADC Adjust”
 Can be chosen.

LOGO

NULL
HISENSE
WELCOME
LLOYD
 ...
 ...

FUNCTION

TOFAC	M
Software Upgrade	
Save NTSC Channel	0
Channel change	Freeze
Panel Life	0
IT6633EQ	7
HDMI Cable	Normal
HDCP	IN

INIT

[Hisense]
QINGDAO
HUANGDAO
GUIYANG
SHUNDE

CLEAR PROTECTLY
CLEAR UNPROTECTLY

WHITE PATTERN

(Red; Green ;White)

INFORMATION

BULLD TIME:

PANEL TYPE:

3.2.2、 Design Menu

DESIGN MENU

PICTURE MODE

AUDIO MODE

PICTURE CURVE

AUDIO CURVE

SSC ADJUST

SAVING MODE

OVERSCAN

VD NONSTAND

VIF NONSTAND

AUDIO NONSTAND

PQ1

PQ2

PICTURE MODE

MODE	STANDARD
BRIGHTNESS	62
CONTRAST	53
COLOUR	53
SHARPNESS	70

AUDIO MODE

MODE	USER
120HZ	50
500HZ	50
1.5KHZ	50
5KHZ	50
10KHZ	50

PICTURE MODE	CURVE	CONTRAST
CURVE 0		40
CURVE 25		88
CURVE 50		135
CURVE 75		145
CURVE 100		10

AUDIO MODE	CURVE	VOLUME
CURVE 0		0
CURVE 25		25
CURVE 50		50
CURVE 75		75
CURVE 100		100
PRESALE		158

AVCTHRESHOLD 1C

SSC ADJUST

SSC MIU	OFF
MIU SPAN	35
MIU STEP	10

SSC LVDS	ON
LVDS SPAN	350
LVDS STEP	100

SAVING MODE

USER_MIN	100
BRIGHT	2
SOFT	100

OVER SCAN

H_POS	26
H_SIZE	44
V_POS	15
V_SIZE	26

Note:

The above “Factory/Service OSD Menu” is reference only, please refer to the actual units to determine the appearances.

4. Software Upgrading**Before upgrading, read the following.**

- 1、 Before upgrading, Write down the ADC Calibration values of the channel of VGA and component.
- 2、 Upgrade the software.
- 3、 To clear the EEPROM .
 - A Select the item “Clear Unprotected”.
 - B Press VOL+ button to clear the EEPROM data.
 - C Close the OSD menu after 5 seconds.
 - D Restart the TV.
- 4 Write the ADC Calibration values copied just now into the channels of VGA and component.
- 5、 After the operation above all, necessarily, Renew search the channels for the users.

4.1 Get ready for upgrading

- 1、 The software is upgraded by a burning tool- ISP_TOOL.exe

4.1.1 Install the ISP_TOOL4.5.0.4-----only for the first time update.

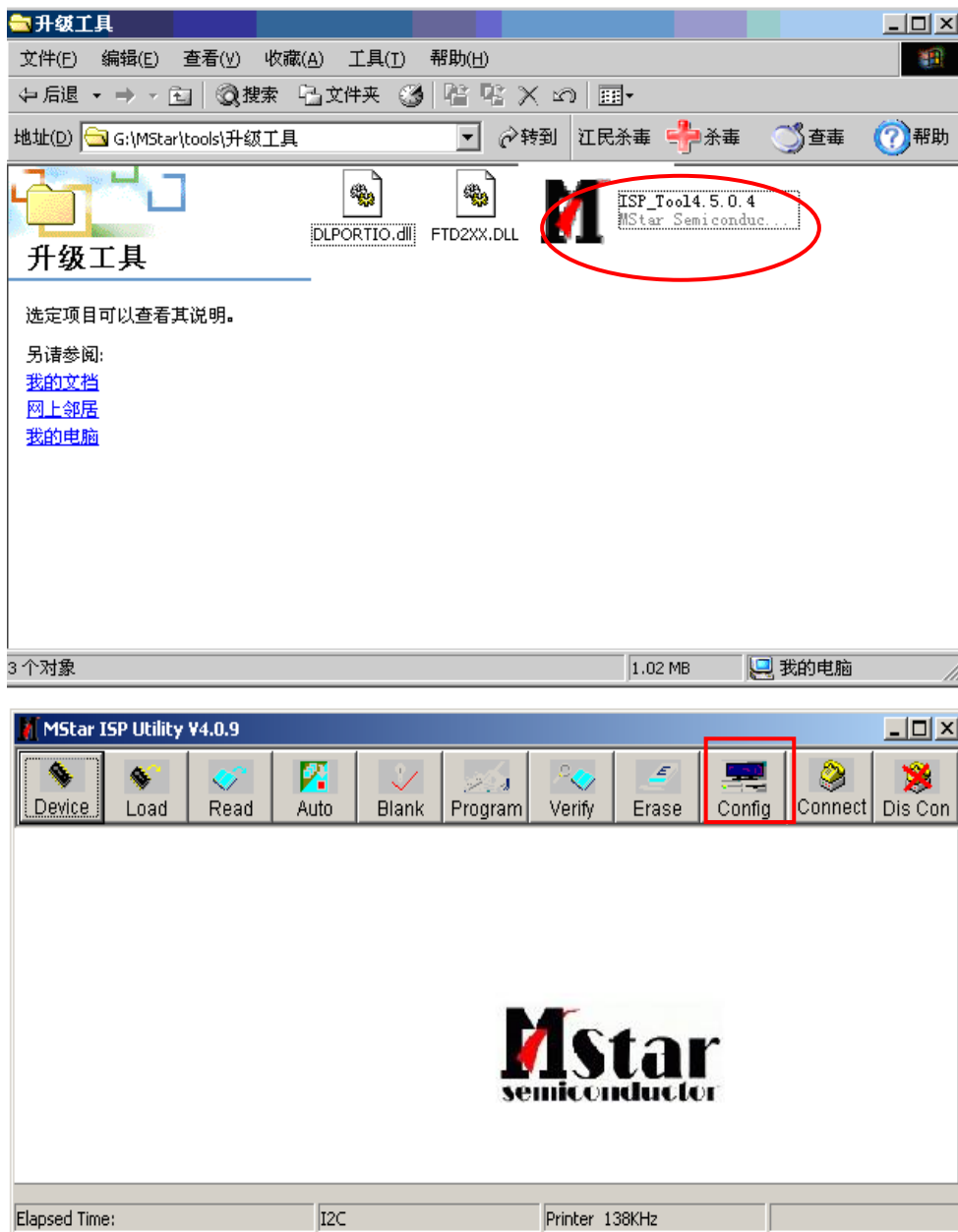
- 2、 Find the folder where the ISP_TOOL4.5.0.4 lies in.

LCD TV Service Manual

There are three folders/files in this folder together.
DLPORTIO.dll and FTD2XX.DLL must be in the same folder



Double click the ISP_TOOL4.5.0.4 icon, and then a dialog window will show as below.



Click the " **Config** "button. And then a dialog window will show as below.

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Draw  on the front of “Use USB”

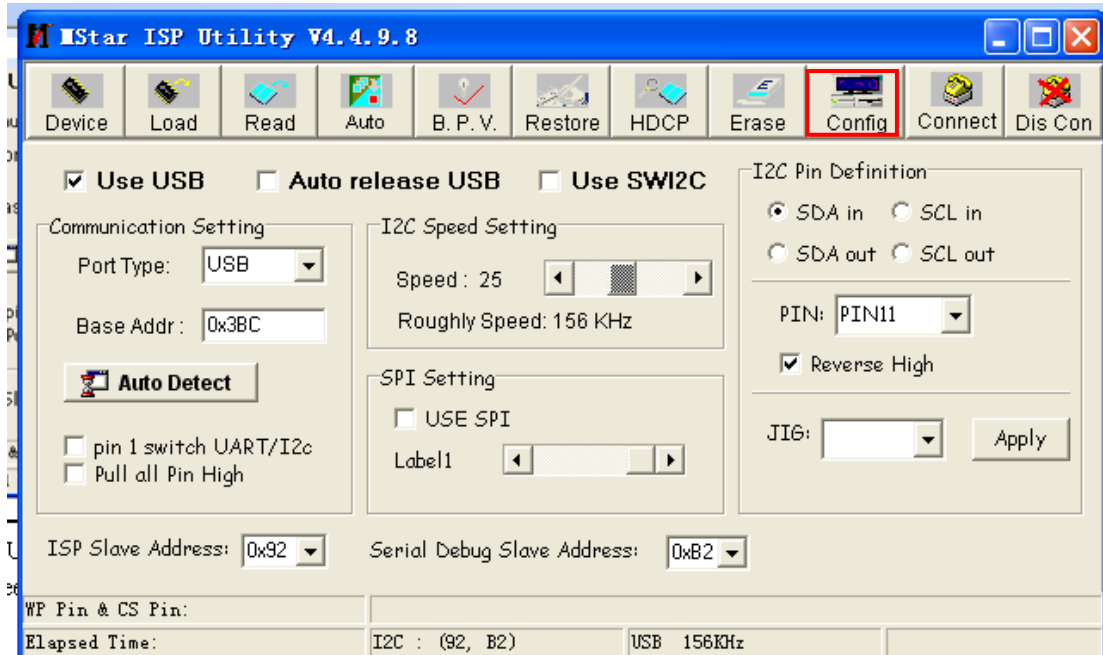
Port Type setting is USB

Base Addr setting is 0x38C

ISP Slave Address choose 0x92

Serial Debug Slave Address choose 0xB2,

As following



Click the “Connect” button, if appear the following figure, It indicates that the ISP_TOOL has connected.

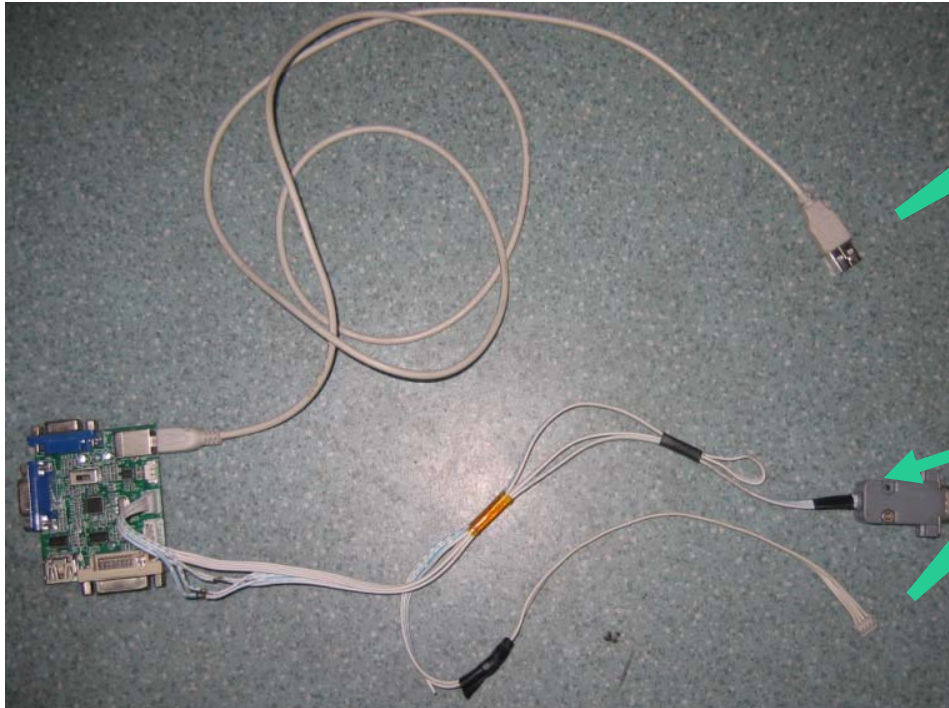


If appear the following figure, It indicates that the ISP_TOOL has not connected. Please click the “Dis Con” button and “Connect” button to connect..



4.1.2 Hardware connecting

You can update the software through a special tool (as following)



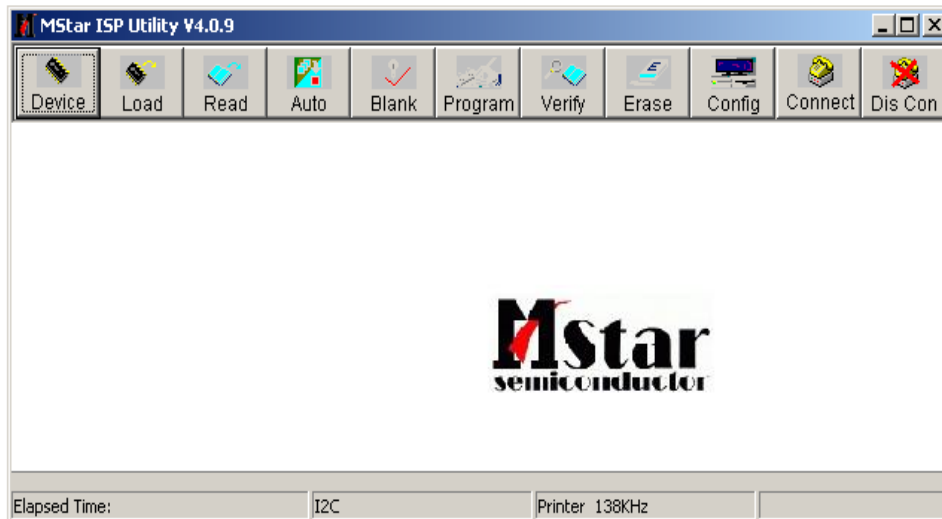
USB to the
computer

Connect to the TV
use VGA interface
or the RS232(4
pin)

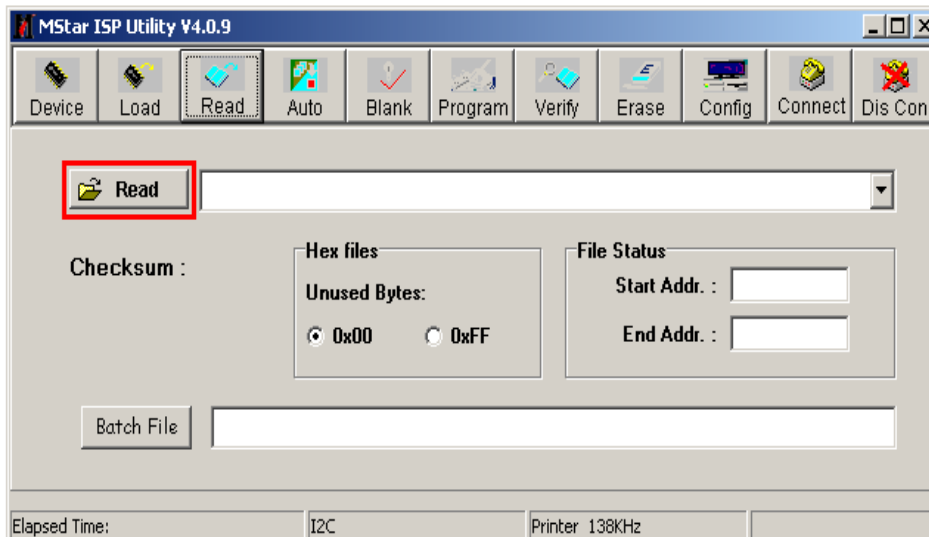
Connect the Debug board to the TV use VGA interface or the RS232 (4 pin), the other USB port to the compute.

4.2 Upgrading with the ISP_TOOL4.5.0.4

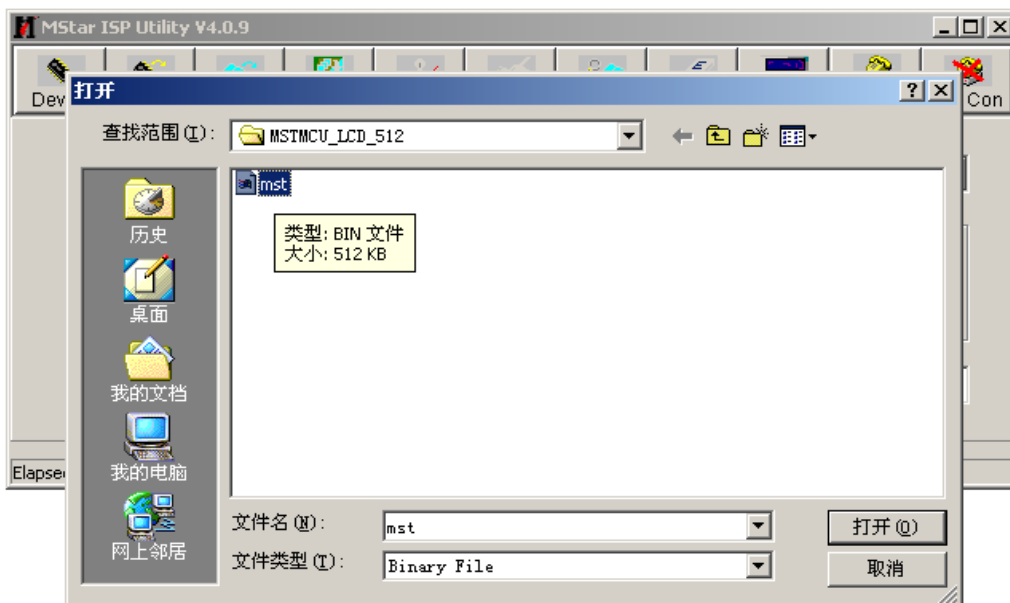
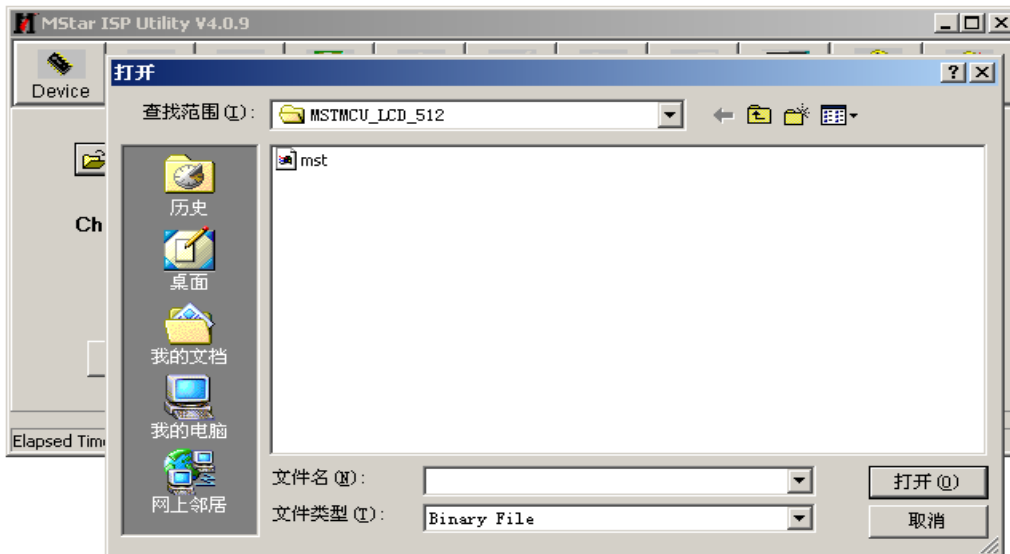
4.2.1 Double click the ISP_TOOL4.5.0.4 icon and a dialog window will show as following.



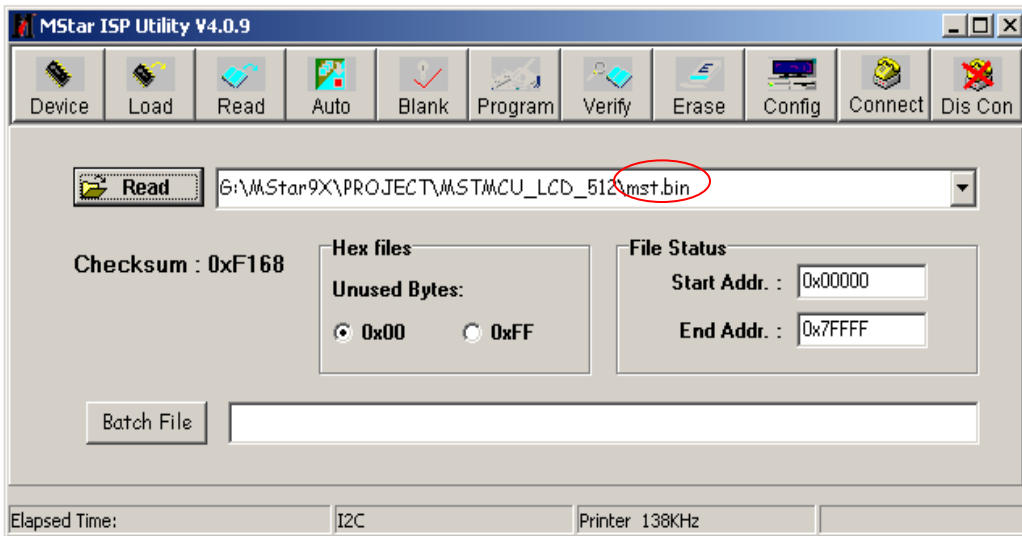
Click the "Read" button.



Choose the update file from the folder。

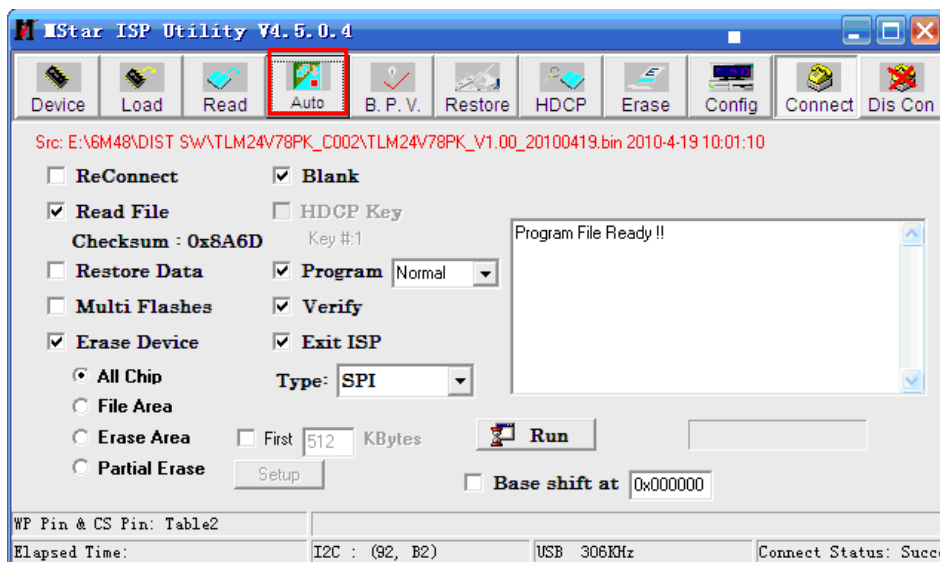


LCD TV Service Manual



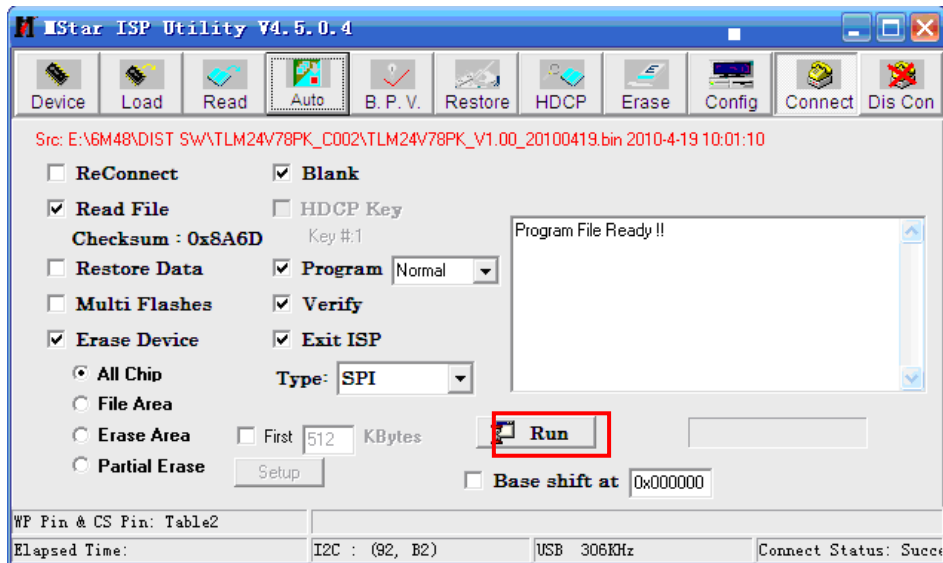
The update file has been chosen successfully.

Click the **“Auto”** button and choose parameters as following.



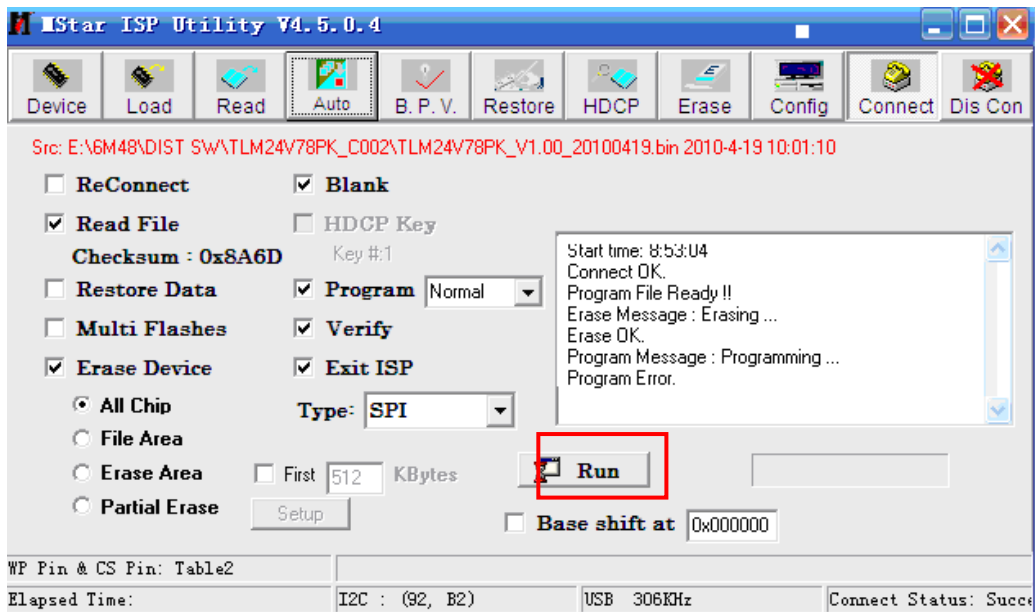
Click the **“Run”** button

LCD TV Service Manual

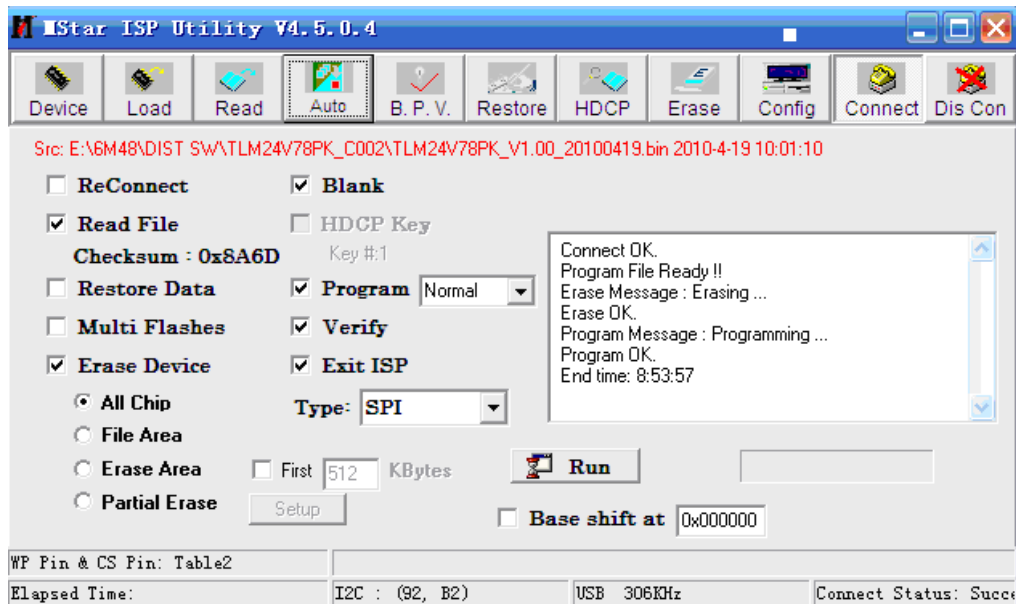
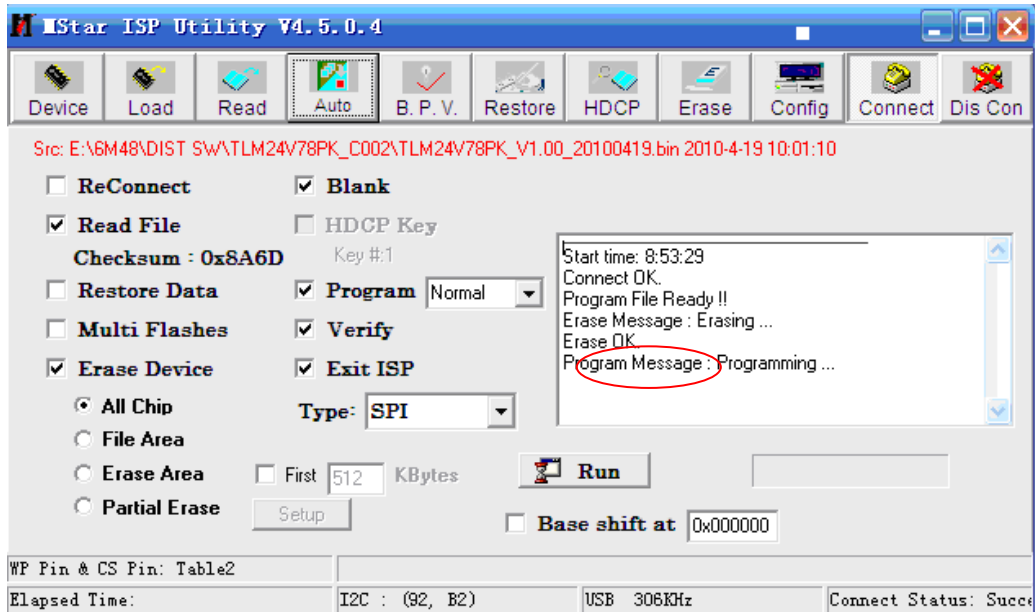


If appear green "PASS", it indicates that the "software written" is successful .

If show" error message "then click the "Run" button again and again, till show the following dialog window.



LCD TV Service Manual

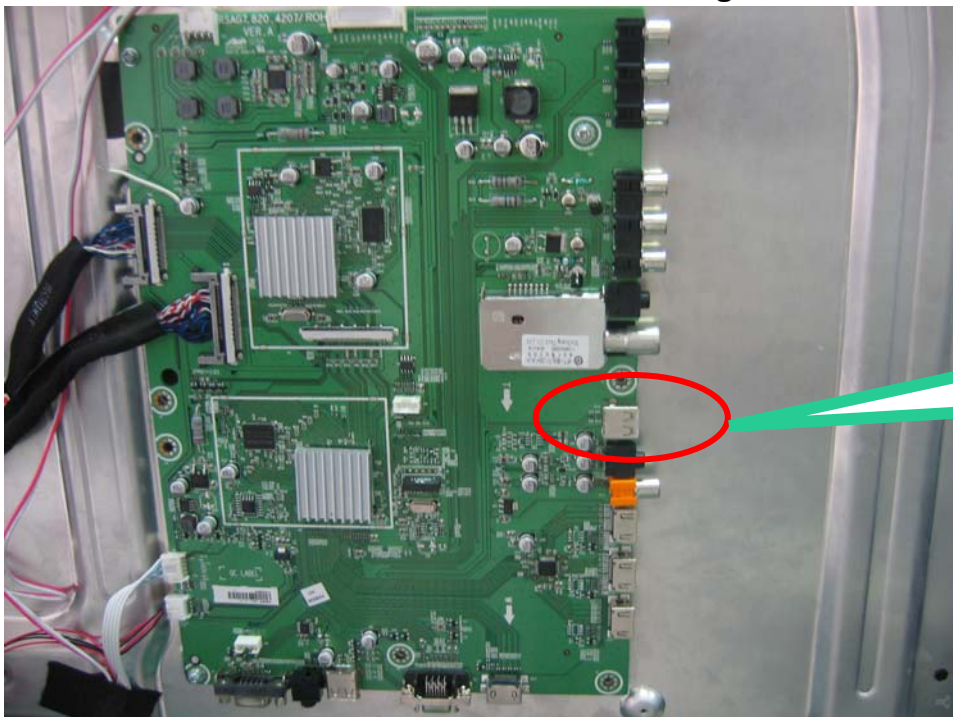


The above appears on the screen-the word “PASS” shows in the information displaying window, indicating upgrading is over.

4.3 USB Software upgrading

Upgrade the main software:

Copy the Updating software to the USB root directory, the software named *.bin. for example the TV LCD32V88K named LCD32V88K.bin. insert the USB disk to the side of the USB interface of the main board. As figure:



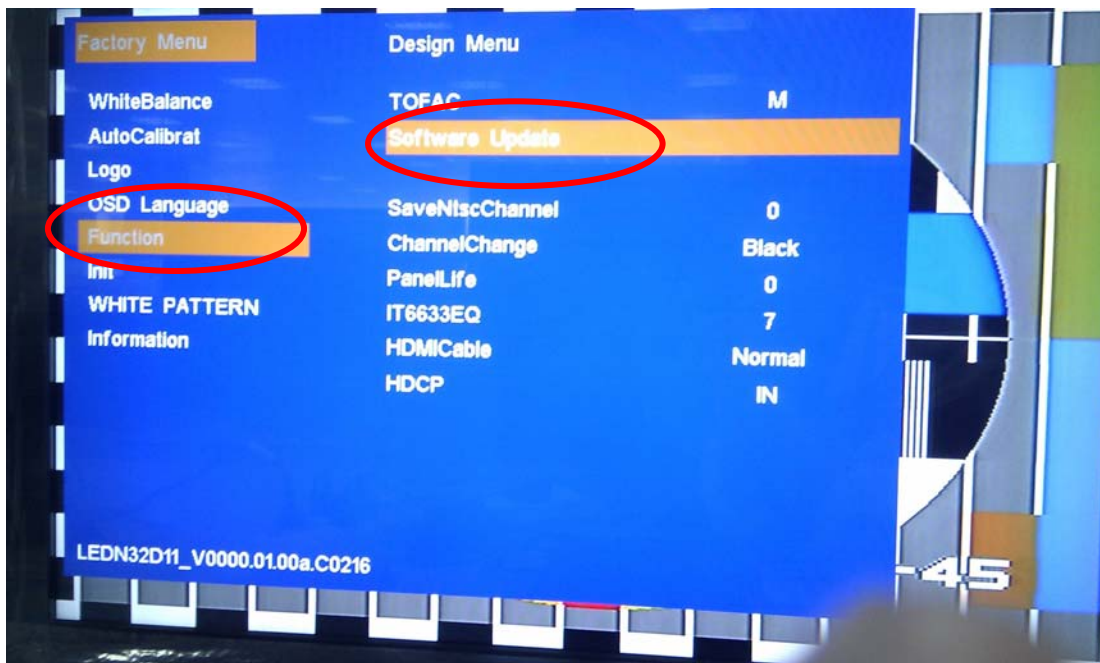
Note: the main board is only for reference.

Turn on the TV and enter the factory menu, when balance is "0", press the password "1969".

As figure:



Then choose "FUNCTION"----"Software update"--- enter " ok*" to begin upgrade. As figure:



Next



After update success, had better AC power off and restart the TV.

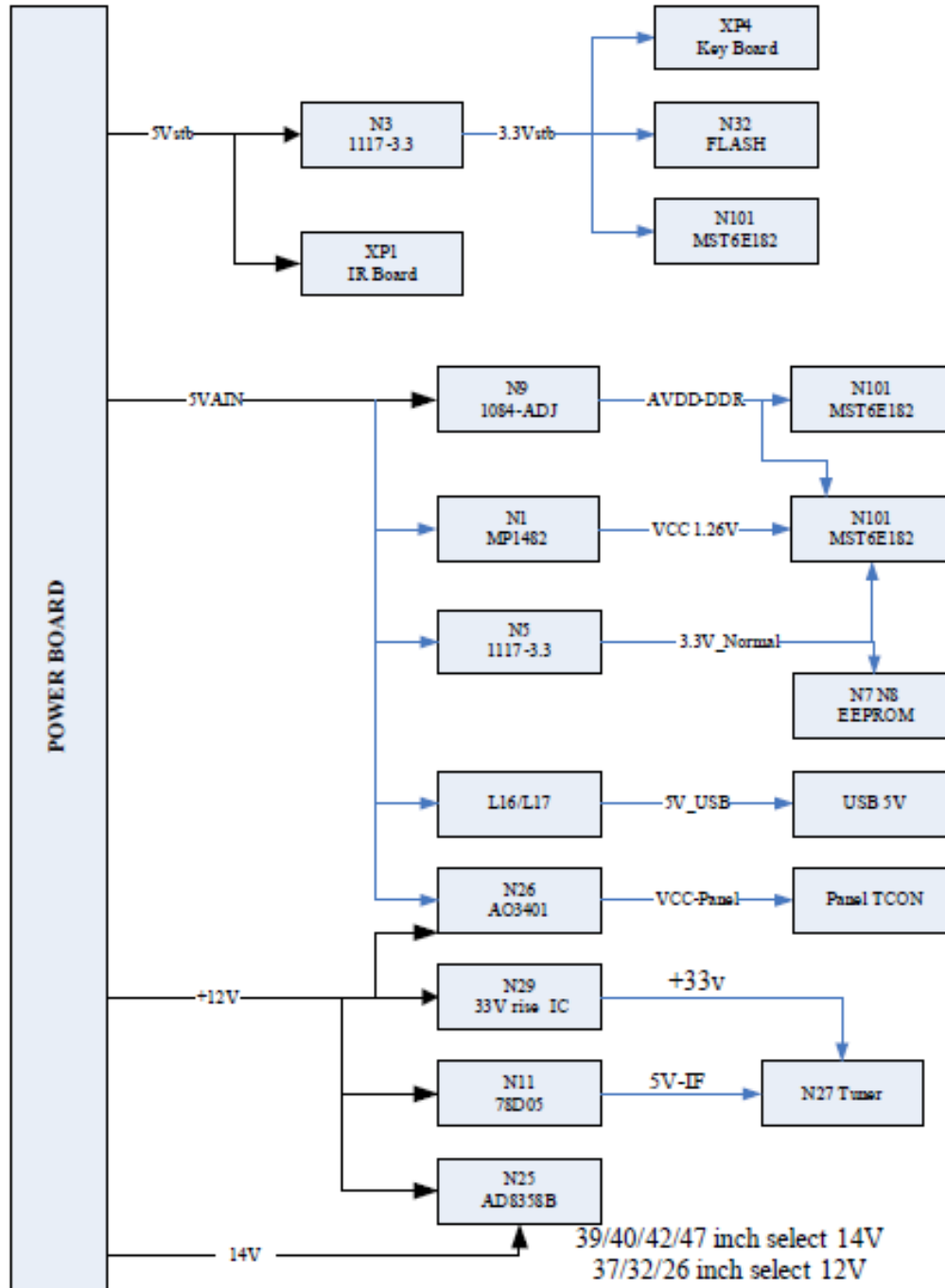
Confirm the software Version in the Version Menu. If the update is successful, enter Factory Init Menu and select "Clear Unprotectly"

- a. Press VOL+ button to clear the EEPROM data.
- b. When the "Clear Unprotectly " button becomes white, turn off the power.
- c. Restart the TV.

5. Power assign & Signal process

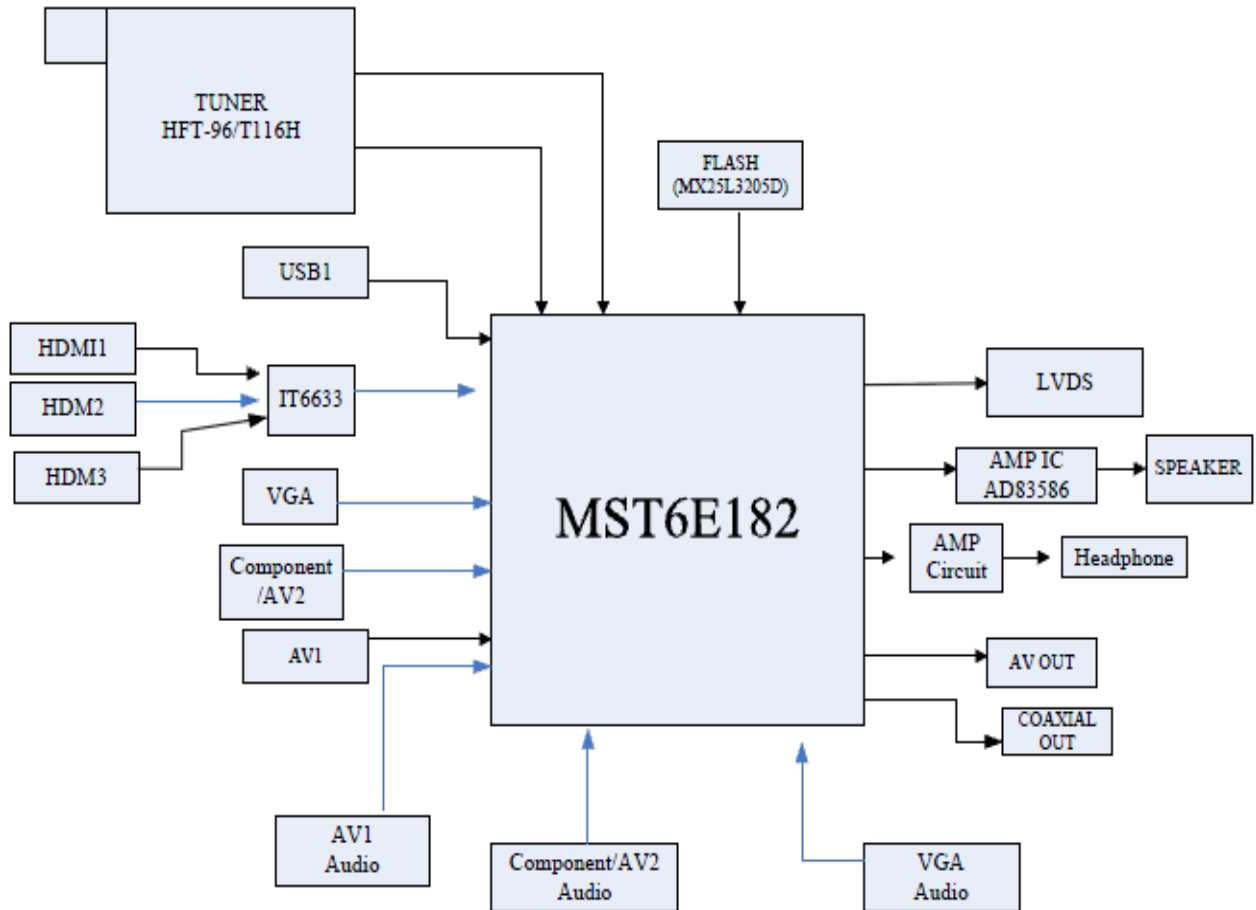
5.1 MST6E182VG Power assign

Take LCD50C10P for example



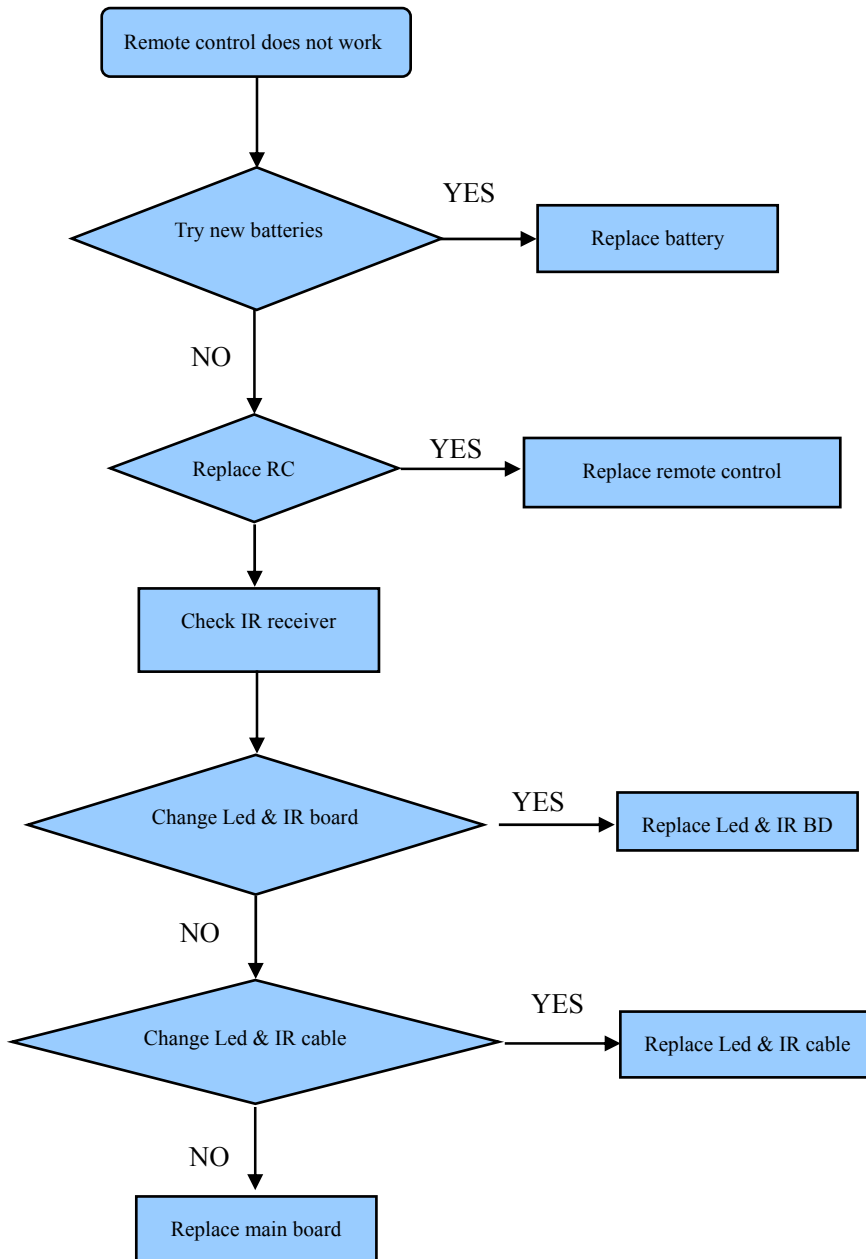
5.2 MST6E182VG Signal process

Take LCD50C10P main board:4908 for example

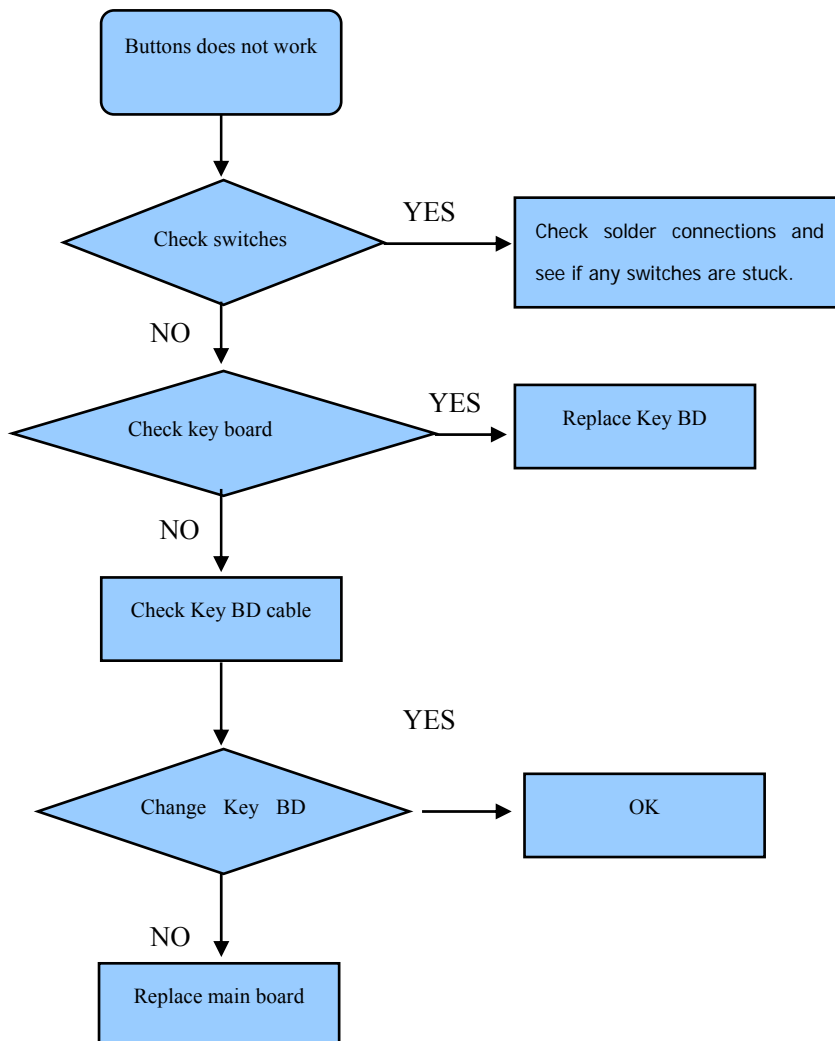


6. Troubleshooting

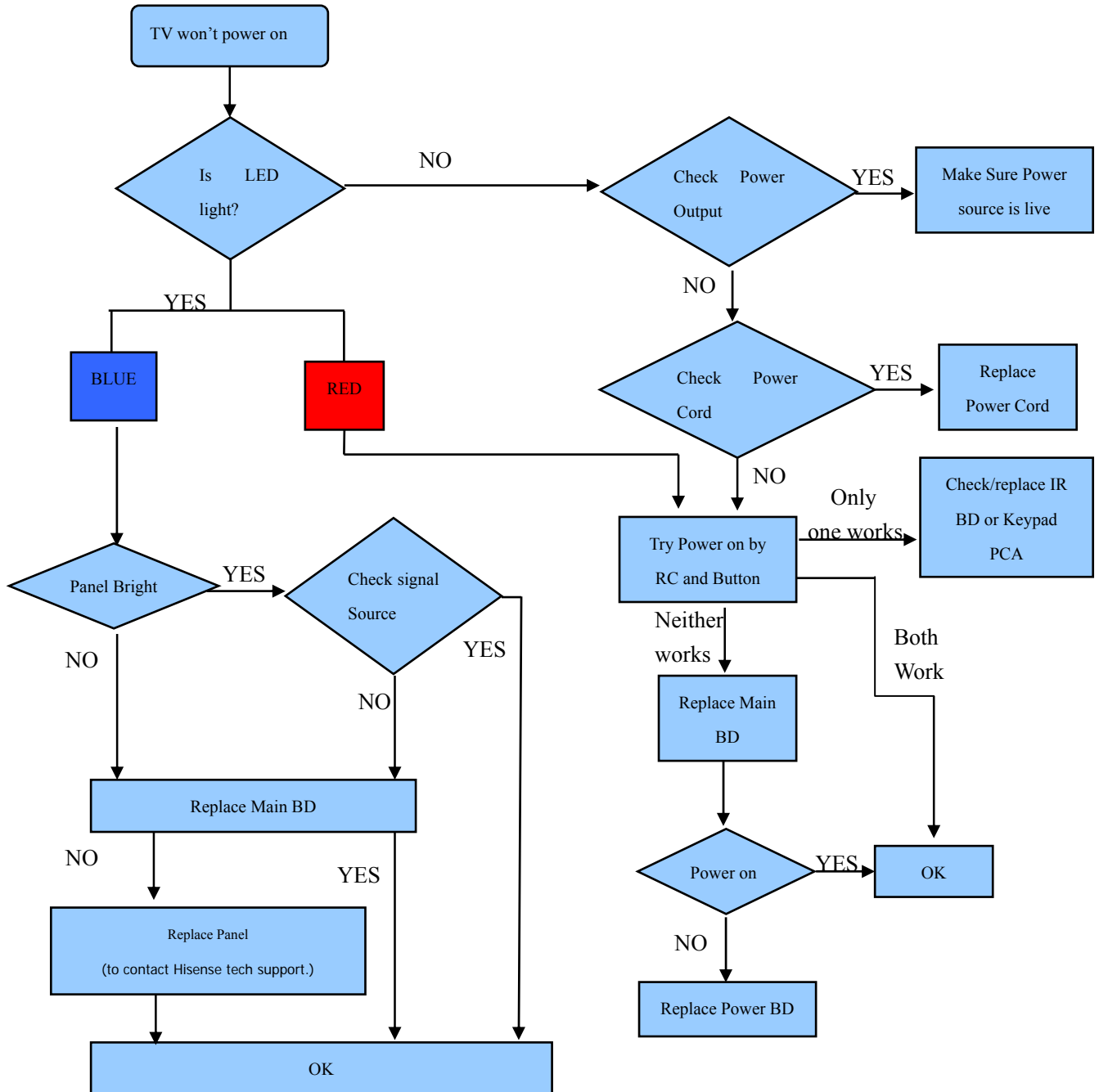
6.1 Troubleshooting for Remote Control



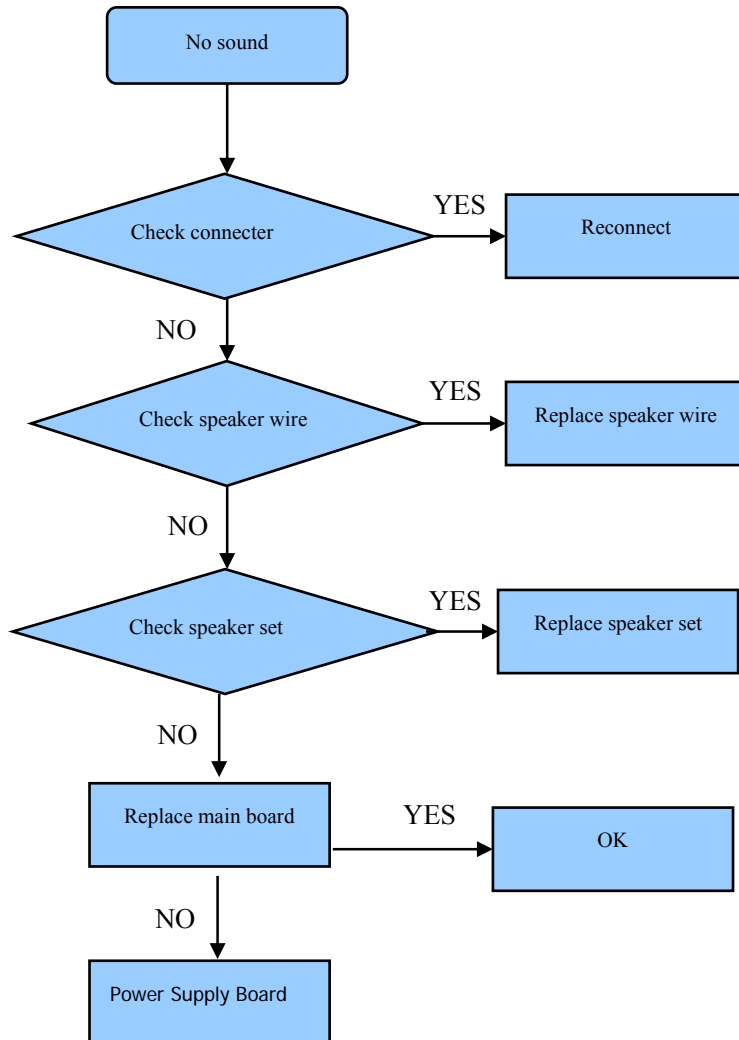
6.2 Troubleshooting for Function Key



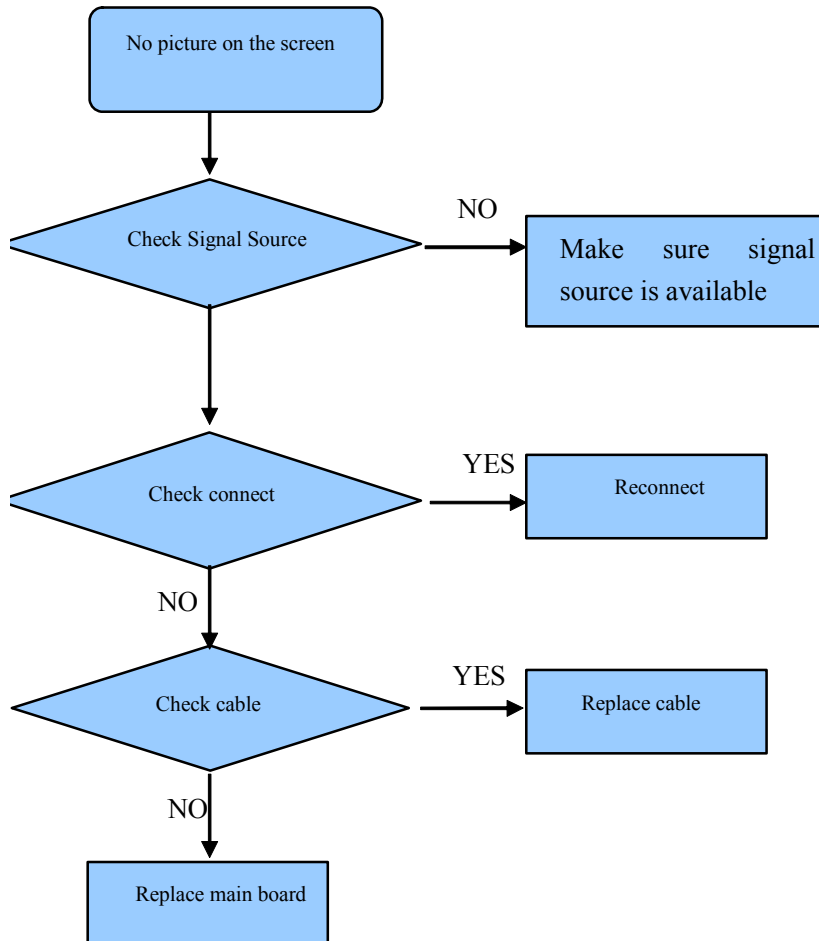
6.3 TV won't Power On



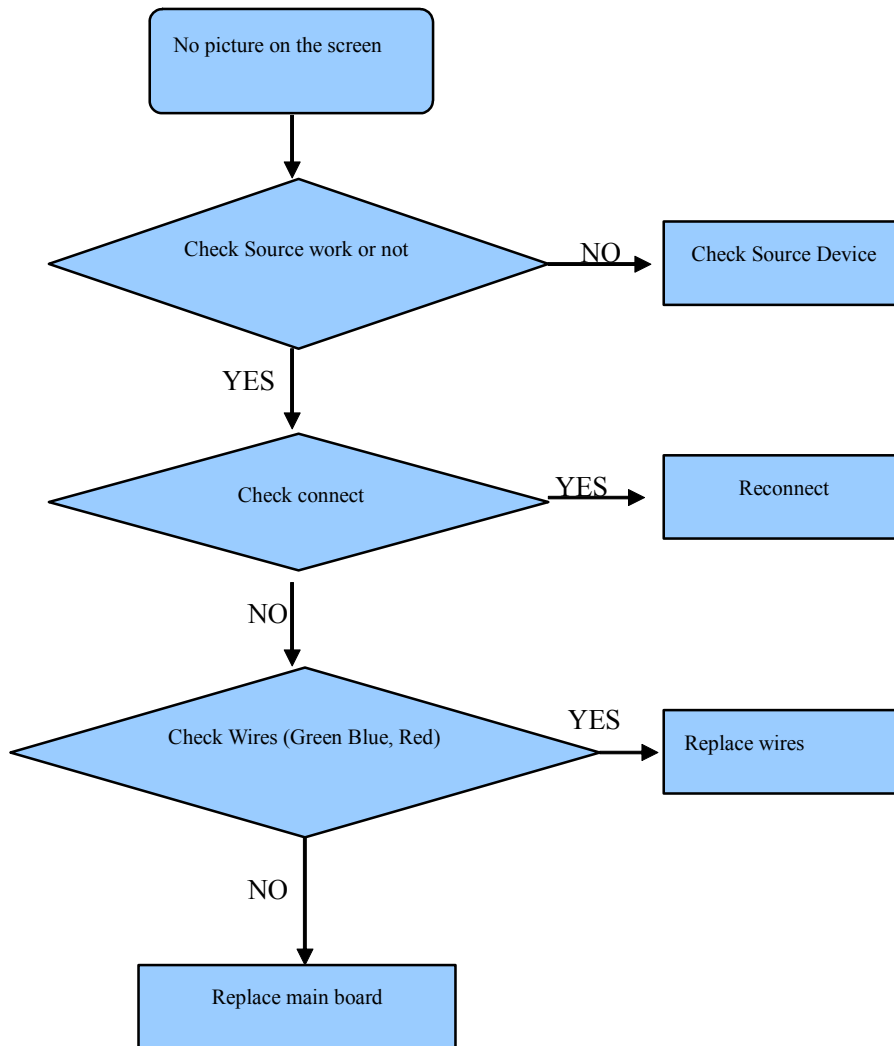
6.4 Troubleshooting for Audio



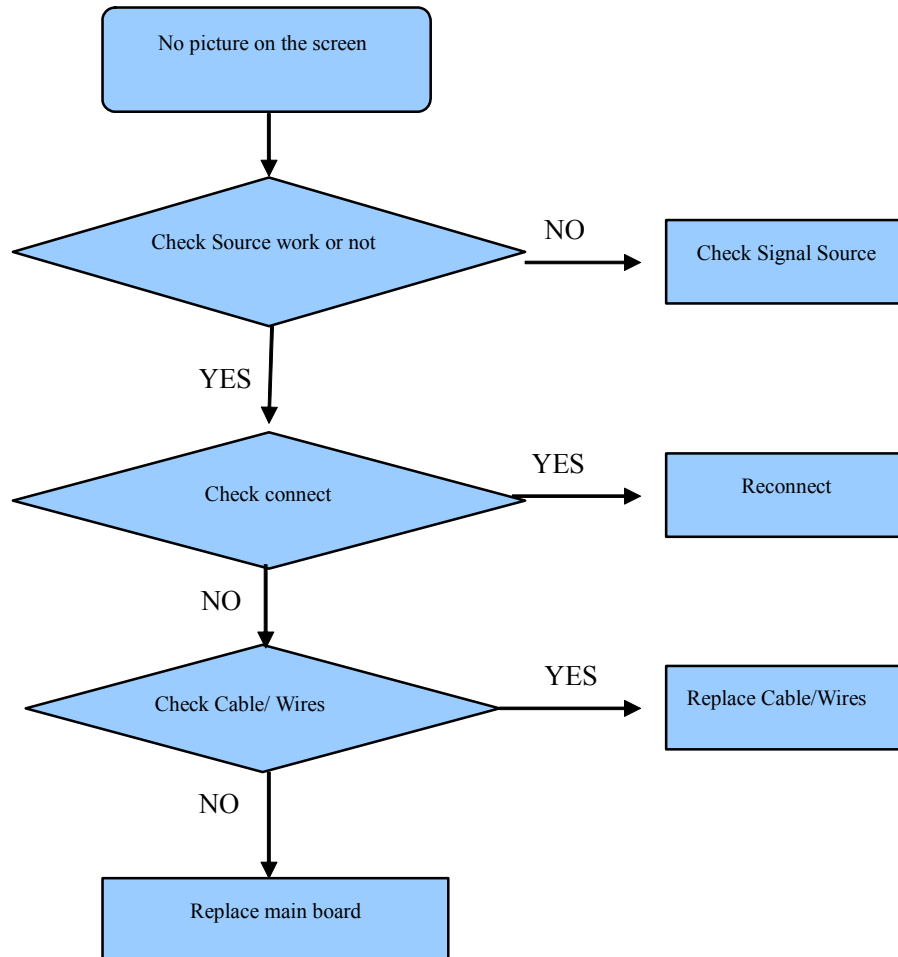
6.5 Troubleshooting for TV/VGA/HDMI input



6.6 Troubleshooting for YPbPr input



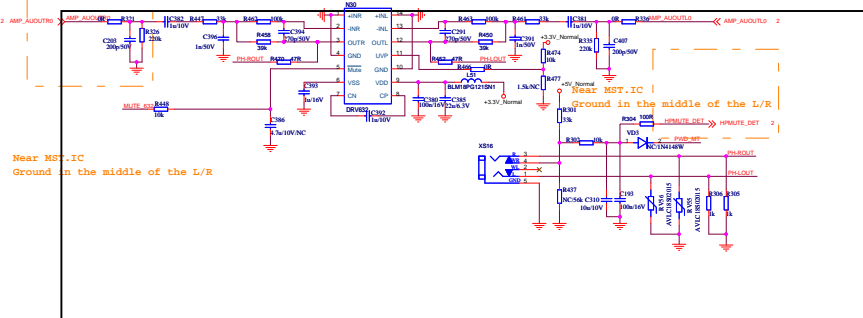
6.7 Troubleshooting for Video/ input



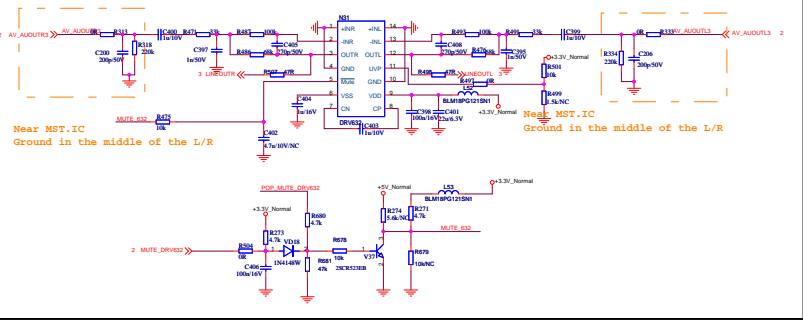
7 Schematic circuit diagram

8 Explode view

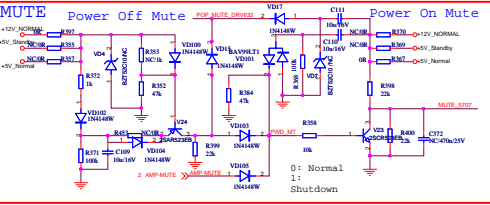
HEADPHONE MUTE



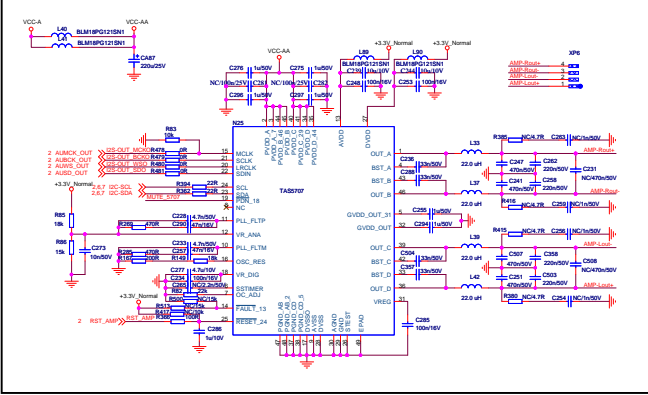
AUDIO OUT-MUTE



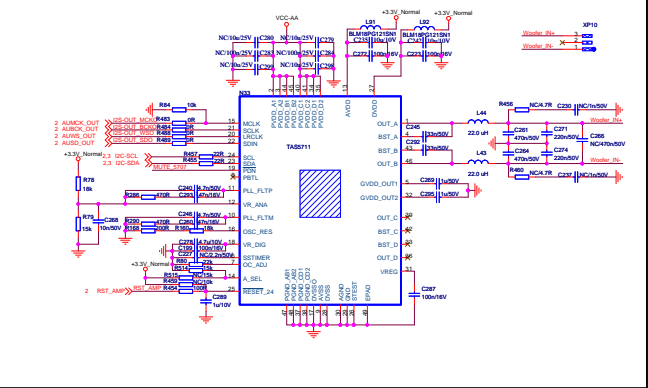
静音控制



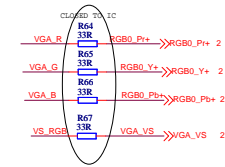
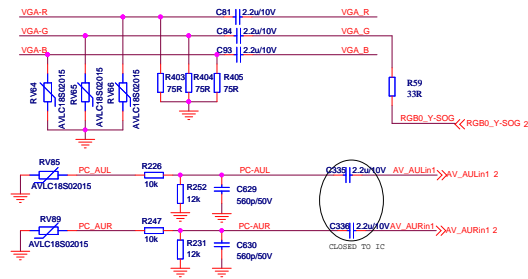
SPEAKER AMP



WOOFER AMP

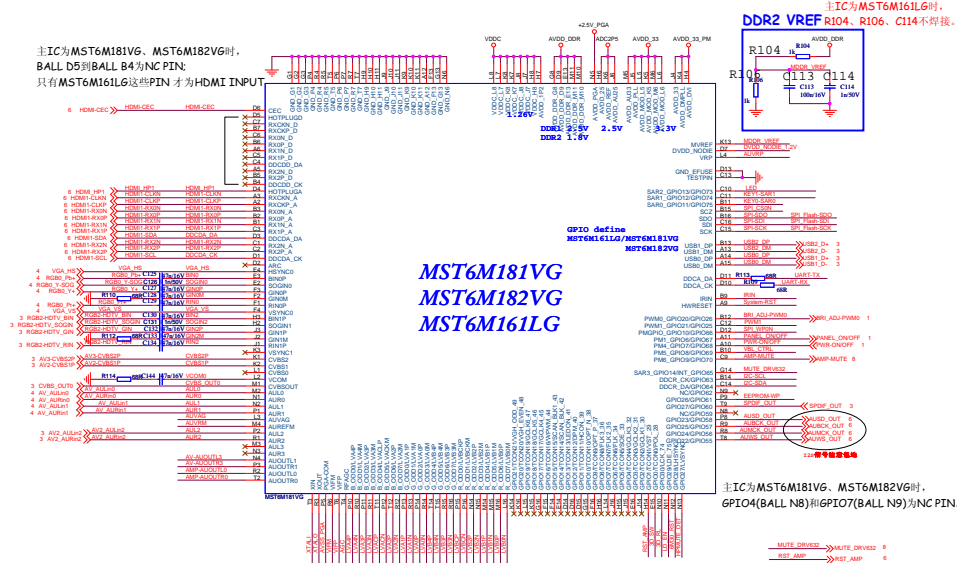


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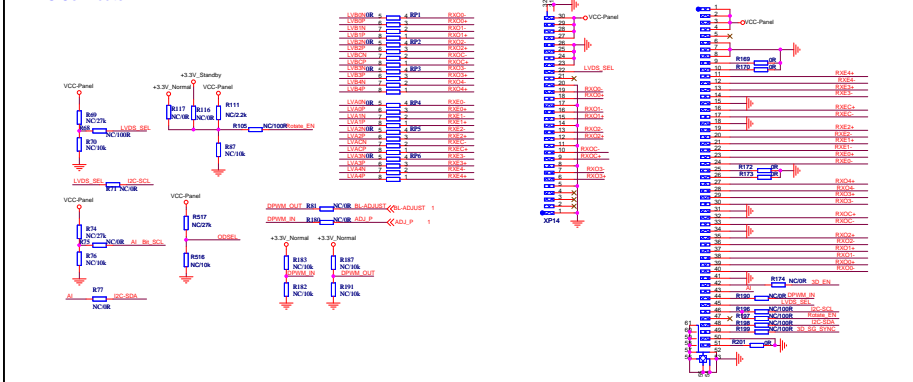
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LEDN39K360P MB: 4833

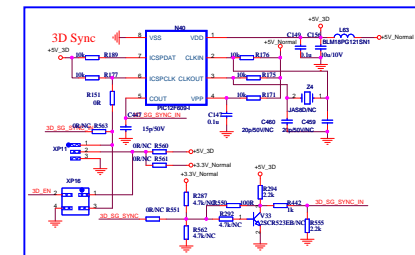
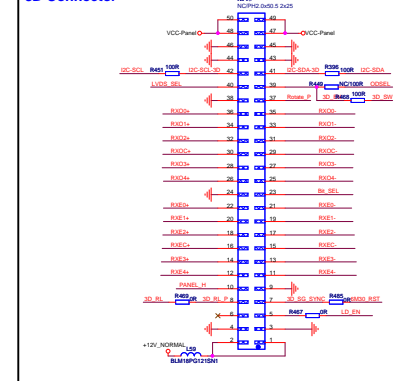
主IC为MST6M181VG、MST6M182VG时，
BALL D5到BALL B4为NC PIN;
只有MST6M161LG这些PIN才为HDMI INPUT



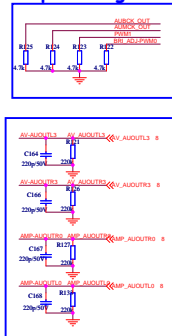
LVDS Connector



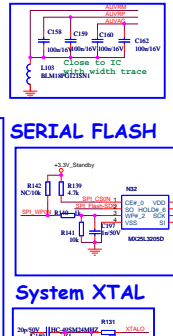
3D Connector



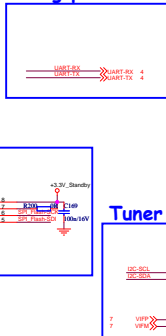
Chip Config



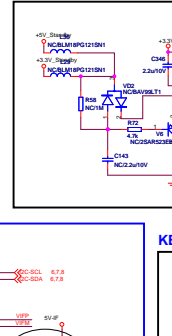
Audio



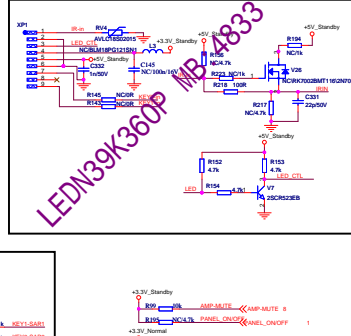
Debug port



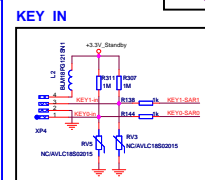
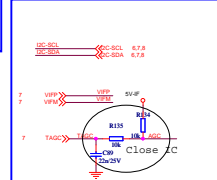
RESET



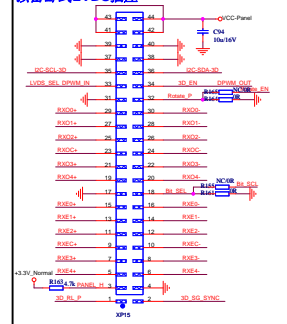
IR/LED



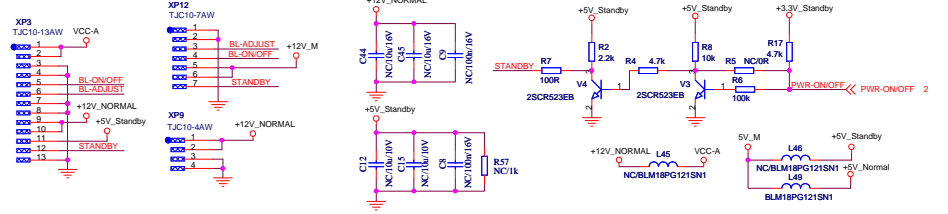
Tuner



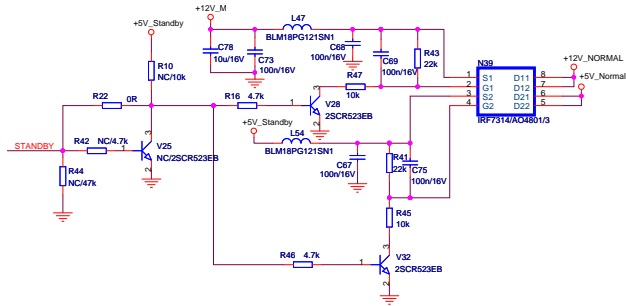
预留卧式LVDS插座



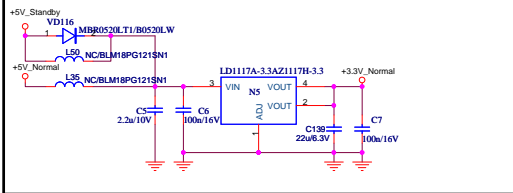
Power Input/Standby



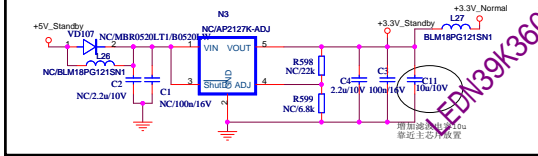
37寸以下机型预留待机切换电路 (需同时将L49/L38 NC掉, 改接L46/L48)



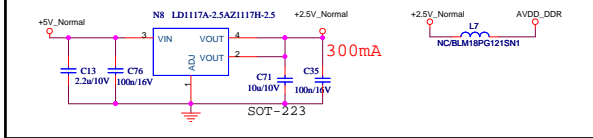
3.3V Power_Normal



3.3V Power_Standby

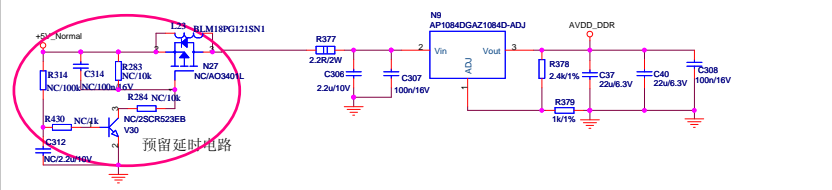


2.5V Power_Normal

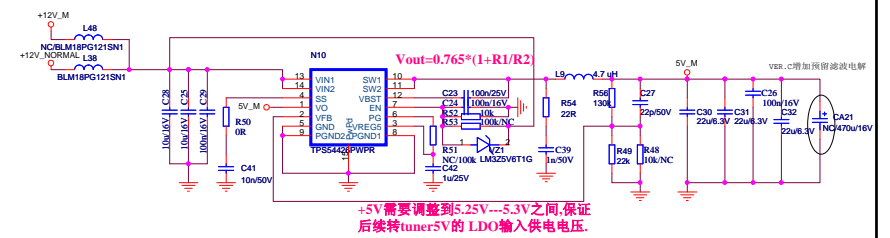


主IC为MST6M181V6、MST6M182V6, 则L4、L7不焊接,但要焊接L5;
主IC为MST6M161L6, 则L4、L7要焊接, 但不焊接L5。
如果主IC为MST6M161L6, 在使用过程中, N8温度太高无法满足要求, 则可将L7不焊接, 在N9上则可焊接一片AMS1117-2.5(1084-ADJ调出2.5V)。
N9为内存提供电源:
MST6M181V6/MST6M182V6:内存类型为DDR2,N9上
要焊接,输出为1.8V:L7不焊接。
MST6M161L6使用DDR1, 供电电压为2.5V。
如果N8不热, N9可以不焊接。如果N8太热, 这在N9上焊接1084, 输出2.5V

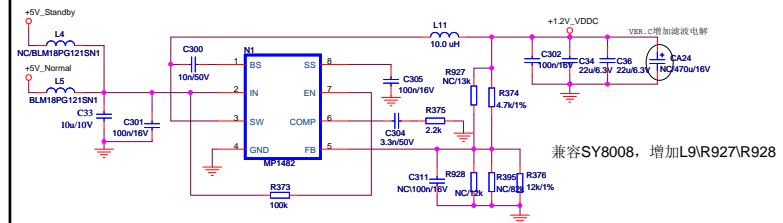
1.8V Power_DDR



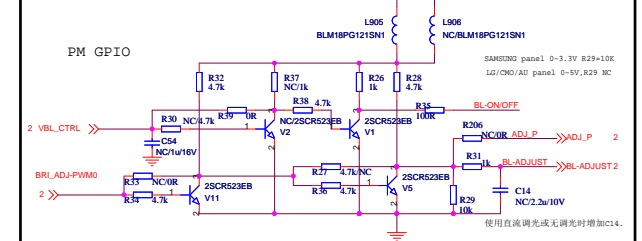
5V Power



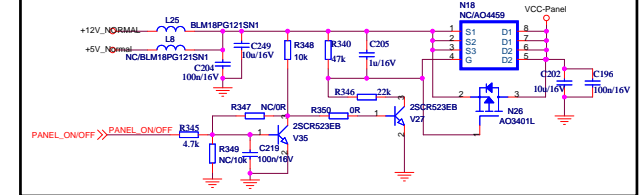
1.26V Power_MSTAR IC

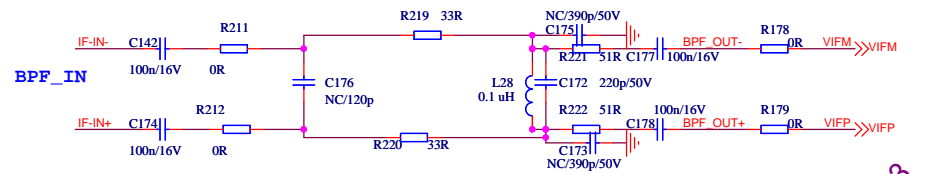
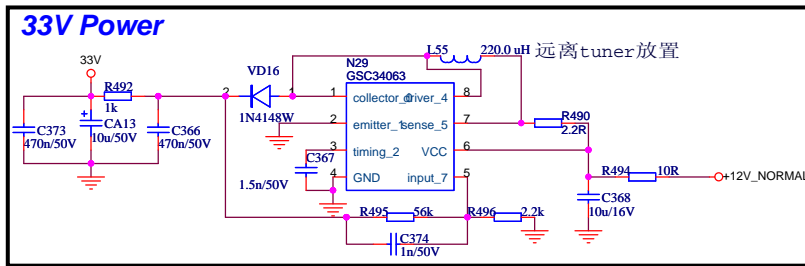


Backlight Control

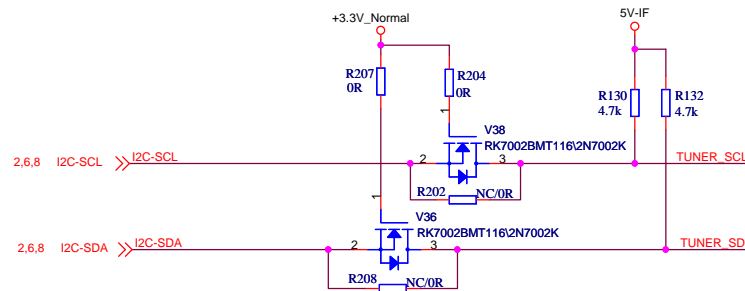
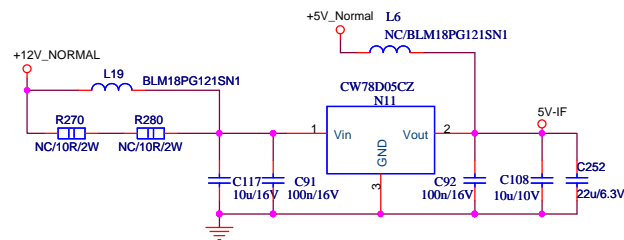
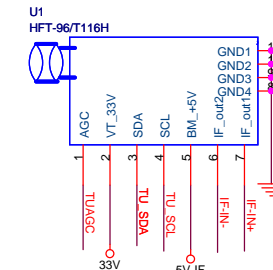
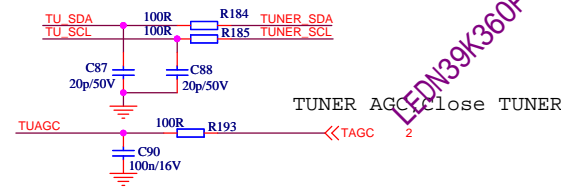


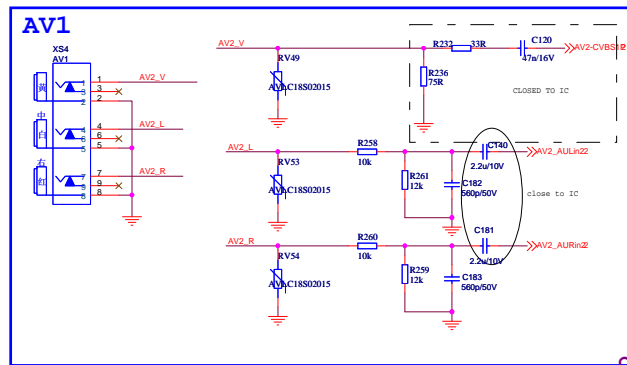
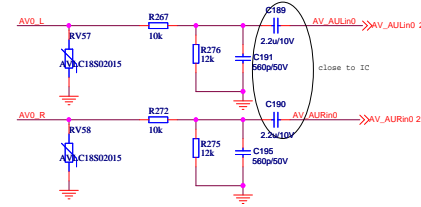
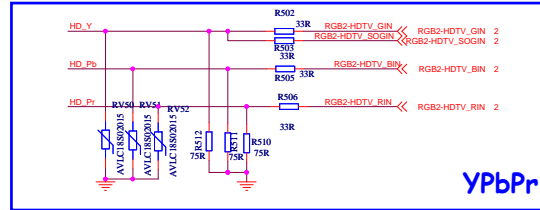
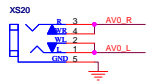
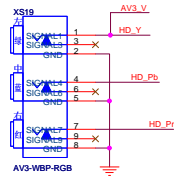
Power for Panel



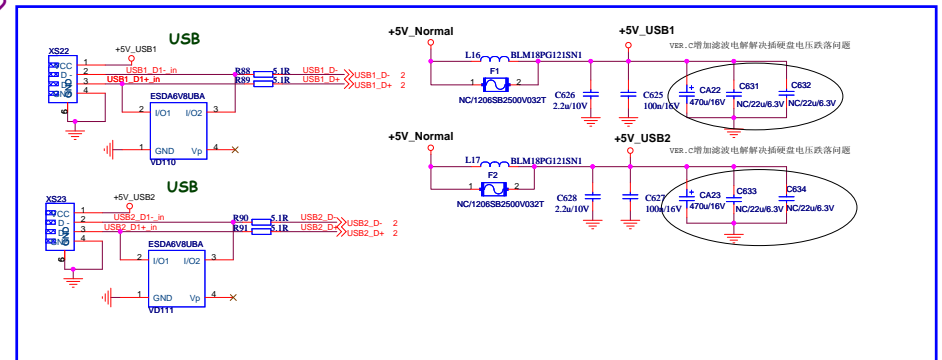
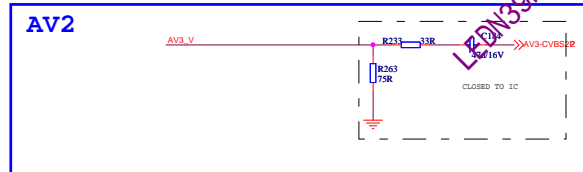
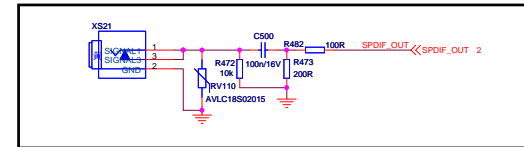


Tuner Connector

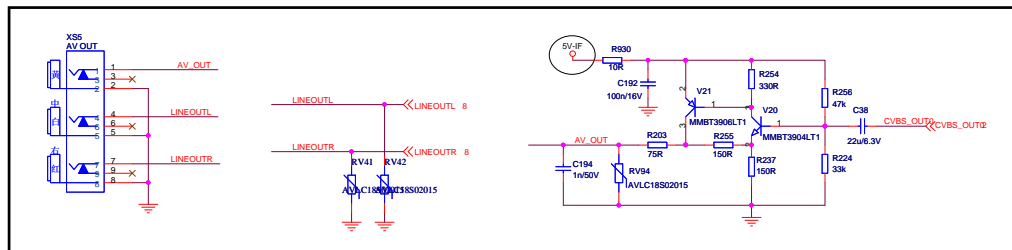


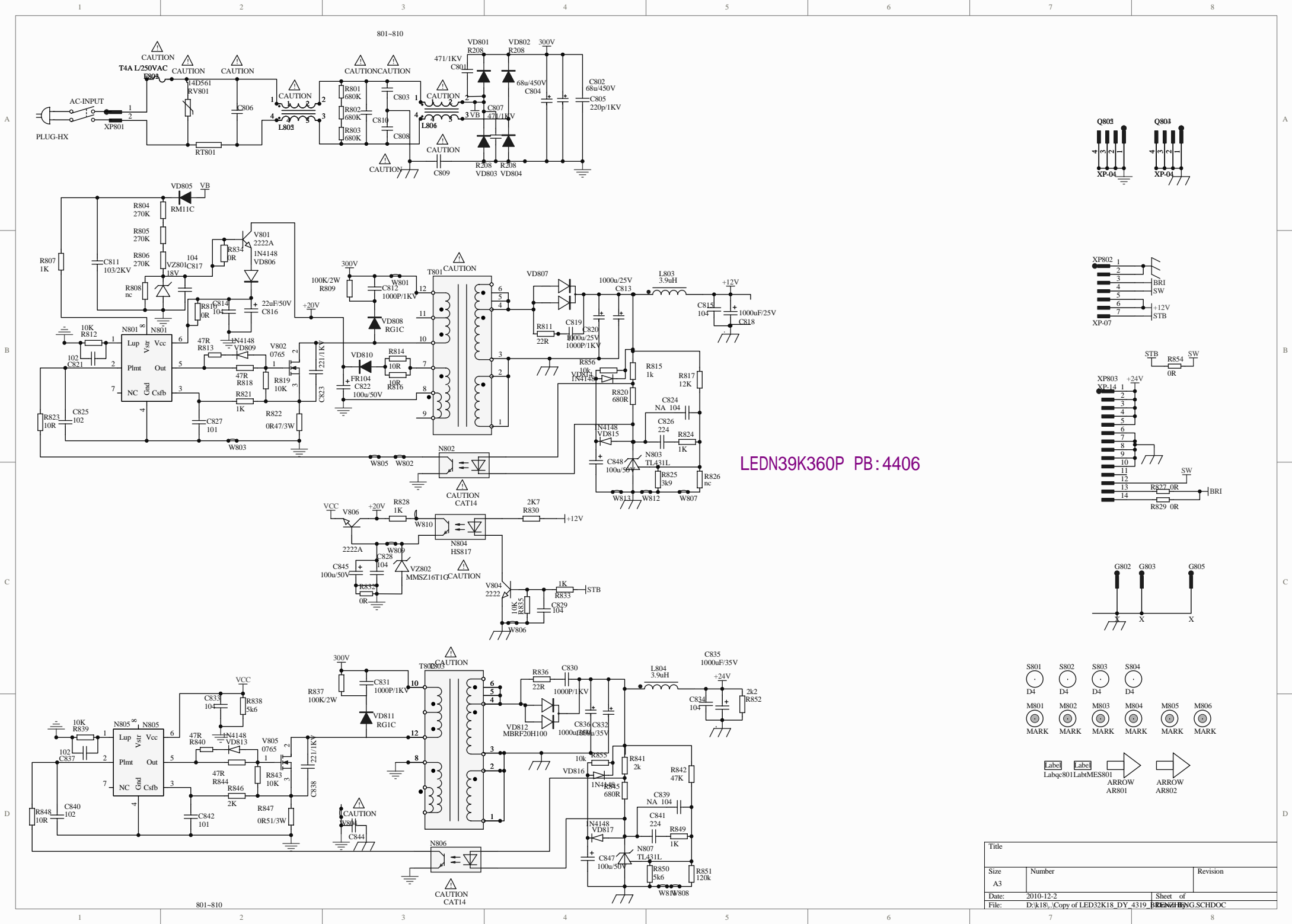


SPDIF OUT

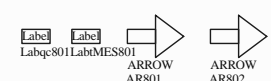
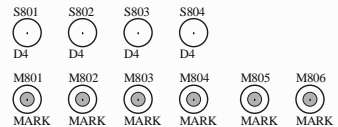
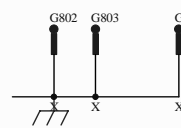
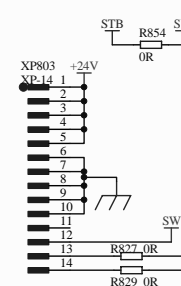
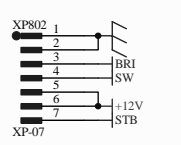
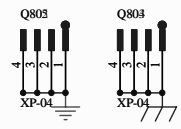


VIDEO OUT





LEDN39K360P PB:4406



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	更改版本			
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	V1.2			
	V1.3			
历	V1.4			
	V1.5			

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41	Stand	1	WG6. 121. 0264	
40	Keypad PCA (with buttons)	4	RSAG6. 356. 0106	
39	Screw	6	SI2824-87 ST3. 5X12F	
38	Cover	1	RSAG8. 634. 0221	
37	Rating Label	1	RSAG8. 807. 5000/EN	
36	Bottom Label	1	RSAG8. 804. 4590	
35	Side Label	1	RSAG8. 804. 4589	
34	Screw	16	M3 × 6	
33	Rear Cover	1	RSAG8. 074. 1840	
32	LED	1	GHW116X6-650-500	
31	Ornament bracket	1	RSAG8. 640. 1000	
30	Bracket Unit	1	RSAG8. 038. 3914	
29	Bracket Unit	1	RSAG8. 078. 3419	
28	IR Board	1	RSAG2. 908. 5200-01	
27	Lens Led	1	RSAG8. 640. 0331	
25	Screw	4	SI2836-87 M3X6	
24	Terminal Bracket	1	RSAG8. 041. 0999	
23	Screw	4	SI2832-87 ST3X6	
22	Main Board	1	RSAG2. 908. 4833-29	
21	Bracket Unit	1	RSAG8. 078. 2944	
20	Terminal Bracket	1	RSAG8. 041. 1080	
19	Bracket Unit	1	RSAG8. 038. 3918	
18	Screw	4	SI2836-87 M3X10	
17	LCD Panel	1	V390HJ1-LE1	
16	Bracket Unit	1	RSAG8. 038. 3917	
15	Bracket Unit	2	RSAG8. 038. 3327	
14	Power Board	1	RSAG2. 908. 4406	
13	Bracket Unit	1	RSAG8. 038. 3922	
12	Bracket Unit	1	RSAG8. 038. 3916	
11	Screw	2	SI2834-87 M6X6. 1111	
10	Bracket Unit	1	RSAG8. 038. 3915	
9	Front Cover	1	RSAG8. 074. 1838	
8	LED Lens	1	RSAG8. 640. 0332	
6	Screw	6	SI2824-87 ST3X10F	
5	Bracket Unit	1	RSAG8. 078. 3418	
4	Screw	5	SI2836-87 M4X8	
3	Speaker	2	VIT3016-8W8Ω-04	
2	Power Cord	1	YS-3-100-187DR	
1	Bracket Unit	1	RSAG8. 038. 3919	

序号	名称	数量	代 号	备 注
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LEDN39K360P		RSAG2. 025. 3805	
设计		审核	批准
更改标记		更改单号	日期
单位：mm		设计	赵利华
审 核		工 艺	
批 准		批 准	