



LCD-TV

Chassis GRM23HEU
GRM26HEU

Model LE23R32B
LE26R32B

SERVICE Manual

LCD-TV



Features

- HDMI/DVI, PC(Analog), 1 Component, 2 SCART, 1 Composite, S-Video, RF
- Brightness : 500cd/m²
- Contrast Ratio : 800:1
- Response time : 8ms

Contents

1	Precautions	1-1
1-1	Safety Precautions	1-1
1-2	Servicing Precautions	1-2
1-3	Electrostatically Sensitive Devices (ESD) Precautions	1-2
1-4	Installation Precautions	1-3
2	Product specifications	2-1
2-1	Special Features	2-1
2-2	LE23R71B Specifications	2-2
2-3	Spec Comparison	2-3
2-4	Option Specification	2-4
3	Alignments and Adjustments	3-1
3-1	General Alignment Instruction	3-1
3-2	Factory Mode Adjustments	3-2
3-3	White Balance - Calibration	3-4
3-4	Bordeaux Micom Update	3-7
4	Troubleshooting	4-1
4-1	No Power	4-1
4-2	No Video (Analog PC Signal)	4-2
4-3	No Video (HDMI/DVI-Digital Signal)	4-4
4-4	No Picture (Tuner_CVBS)	4-6
4-5	No Picture (Video_CVBS)	4-8
4-6	No Picture (S-VIDEO_Y,C)	4-10
4-7	No Sound	4-12
5	Exploded View and Parts List	5-1
5-1	LE23R32B Exploded View	5-1
5-2	LE23R32B Parts List	5-2
5-3	LE26R32B Exploded View	5-3
5-4	LE26R32B Parts List	5-3
6	Electrical Parts List	6-1
6-1	LE23R32BX Parts List	6-1
6-2	LE26R32BX Parts List	6-15
7	Block Diagram	7-1
8	Wiring Diagram	8-1
8-1	LE23R32B / LE26R32B Wiring Diagram	8-1
8-2	Main Board Layout	8-2
8-3	PIN characteristic	8-3
8-4	Power Board Layout	8-6

Contents

9	Schematic Diagrams	9-1
9-1	Power & Function Schematic Diagram	9-1
9-2	In_Out_Jack Schematic Diagram	9-2
9-3	In-Out-Jack Schmetic Diagram	9-3
9-4	Video Decoder & Sound Processing IC Schematic Diagram	9-4
9-5	Sound Amp Schmetic Diagram	9-5
9-6	Scaler IC Schmetic Diagram	9-6
9-7	Memory & LVDS Output Schmetic Diagram	9-7
10	Operating Instructions and Installation	10-1
10-1	Front	10-1
10-2	Connection Panel	10-3
10-3	Remote Control	10-4
10-4	Installing the Stand	10-5
10-5	Installing the Wall Mount Kit.....	10-5
11	Disassembly and Reassembly	11-1
11-1	LE23R32B / LE26R32B Disassembly	11-5
12	Schematic Diagram.....	12-1
12-1	Main PCB Diagram	12-1
12-2	Power Inverter	12-2
13	Circuit Descriptions	13-1
13-1	Block description	13-1
13-2	Main Block	13-2
13-3	SMPS Board	13-3
14	Reference Infomation	14-1
14-1	Technical Terms	14-1
14-2	Pin Assignments Main PCB Diagram	14-4
14-3	Timing Chart	14-6
14-4	Panel Description.....	14-10

1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

WARNING : Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

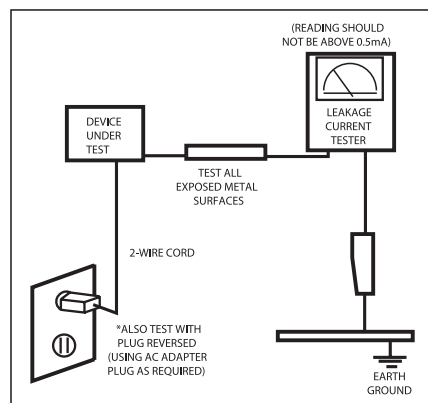


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by \triangle on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1 Precautions

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4 Installation Precautions

1. For safety reasons, more than two people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. "Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture."
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (10cm) between the product and the wall for ventilation purposes.
A rise in temperature within the product may cause fire.

※ Execute the command list file. For it enter 'batch file name.txt'.
If you can get 'Batch: command Successful' message Download

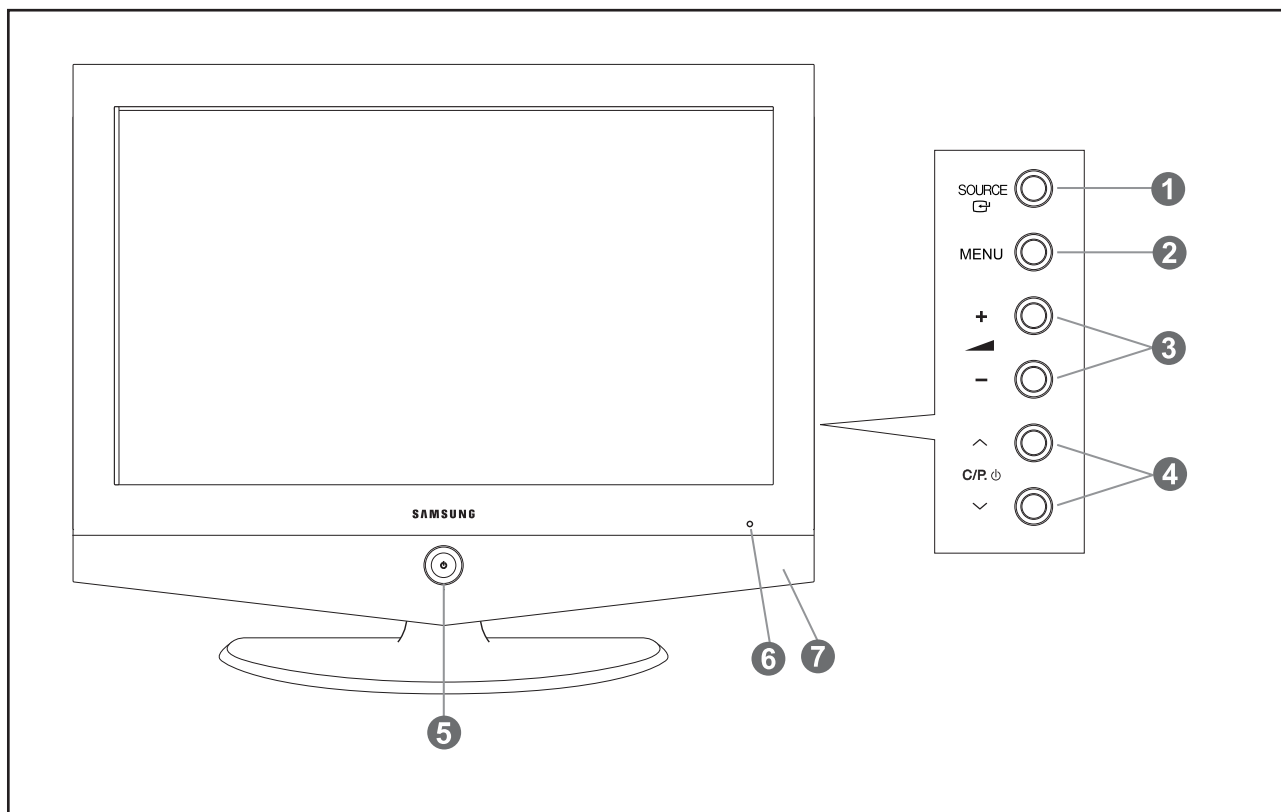
```

batch insam.txt
DebugOn: Command Successful.
SetBuffer: Command Successful.
Delay: Command Successful.
Reset: Command Successful.
Delay: Command Successful.
RAMWrite: Command Successful.
Run: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
Erasing FLASH... Done.
// accordingly
//FLASHCRC 0x80000 0x20000
// to reset the monitor after programming the flash usi
Test passed.
Test passed.
Test passed.
Test passed.
0x00=0x0E
0x00=0x0E
0x00=0x0E
0x00=0x0E
DebugOn: Command Successful.
SetBuffer: Command Successful.
Delay: Command Successful.
Reset: Command Successful.
Delay: Command Successful.
RAMWrite: Command Successful.
Run: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
Erasing FLASH... Done.
SetDelay: Command Successful.
Writing FLASH... Done.
Execution time: 75.27s
Batch: Command Successful.

```

10 Operating Instructions and Installation

10-1 Front



- The product color and shape may vary depending on the model.

1. SOURCE

Toggles between all the available sources (TV, Ext.1, Ext.2, AV, S-Video, Component, PC, HDMI).




In the on-screen menu, use this button as you use the **ENTER** button on the remote control.

2. MENU

Press to see an on-screen menu of your TV's features.



3. + -

Press to decrease or increase the volume.

In the on-screen menu, use the +  - buttons as you use the  and  buttons on the remote control.

4. < C/P. >

Press to change channels.

In the on-screen menu, use the < C/P. > buttons as you use the  and  buttons on the remote control.

5. (Power)

Press to turn the TV on and off.

Power Indicator

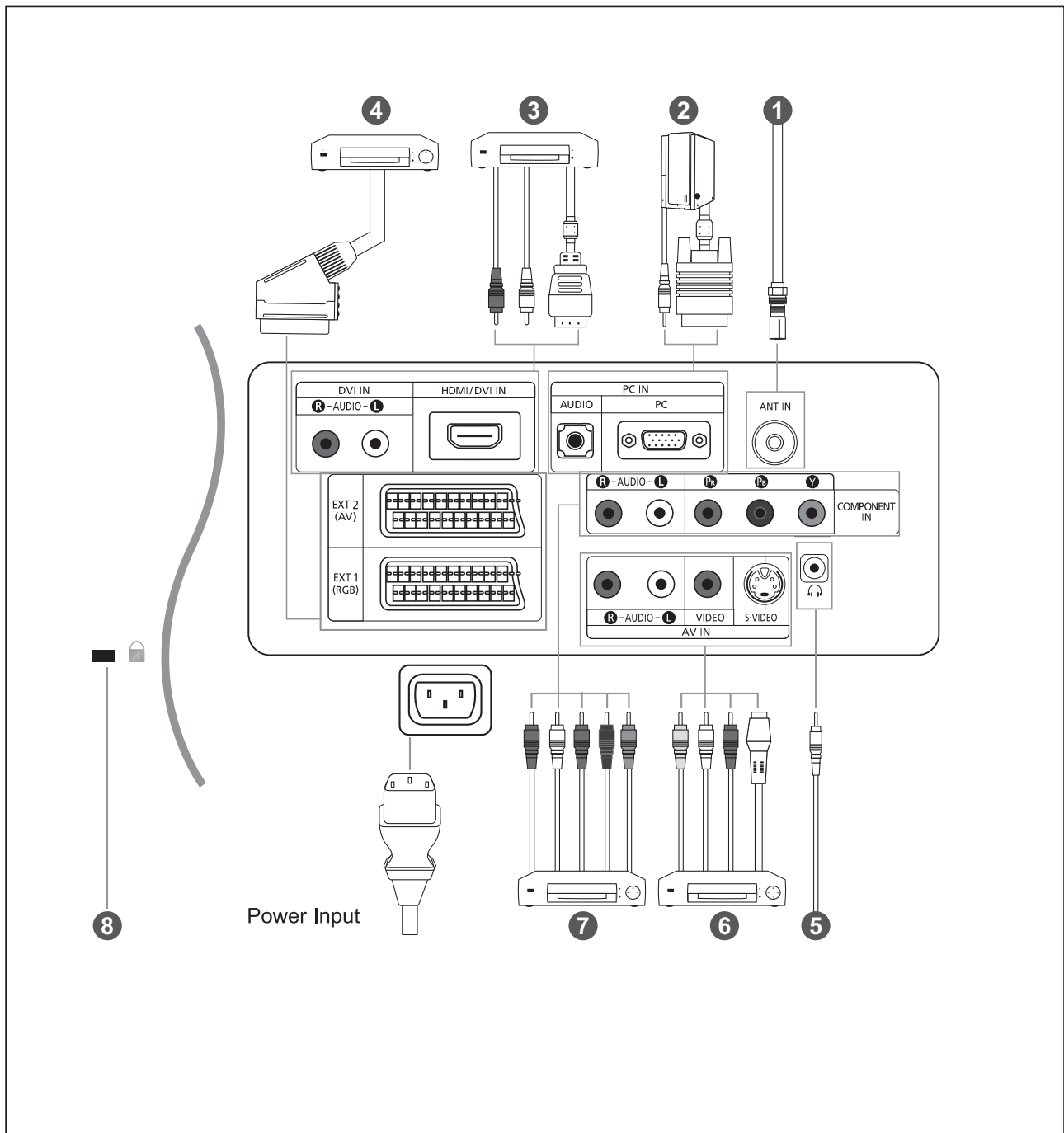
Blinks and turns off when the power is on and lights up in stand-by mode.

6. Remote Control Sensor

Aim the remote control towards this spot on the TV.

7. Speakers

10-2 Connection Panel



- Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
- When connecting an external device, match the colour of the connection terminal to the cable.

1. Connecting an Aerial or Cable Television Network

To view television channels correctly, a signal must be received by the set from one of the following sources:

- An outdoor aerial / A cable television network / A satellite network

2. Connecting Computer

- Connect the D-Sub cable (optional) to "PC (PC IN)" on the rear of your set and the other end to the Video Card of your computer.
- Connect the stereo audio cable (optional) to "AUDIO (PC IN)" on the rear of your set and the other end to "Audio Out" of the sound card on your computer.

3. Connecting HDMI/DVI

- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players, AV receivers and digital TVs).
- No additional Audio connection is needed for an HDMI to HDMI connection.
- **What is HDMI?**
- "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio (5.1 channels).
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio. You should use the DVI-to-HDMI cable or DVI-HDMI Adapter for the connection, and the "R - AUDIO - L" terminal on DVI for sound output.
- When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console etc, make sure that it has been set to a compatible video output mode as shown in the table below. Failure to observe this may result in picture distortion, image breakup or no picture.
- Do not attempt to connect the HDMI/DVI connector to a PC or Laptop Graphics Card. (This will result in a blank screen being displayed)

4. Connecting Set-Top Box, VCR or DVD

- Connect the VCR or DVD SCART cable (optional) to the SCART connector of the VCR or DVD.

6. Connecting External A/V Devices

- Connect RCA (optional) or S-VIDEO cable (optional) to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.
- Headphone may be connected to the headphone output (5) on the rear of your set. While the headphone is connected, the sound from the built-in speakers will be disabled.

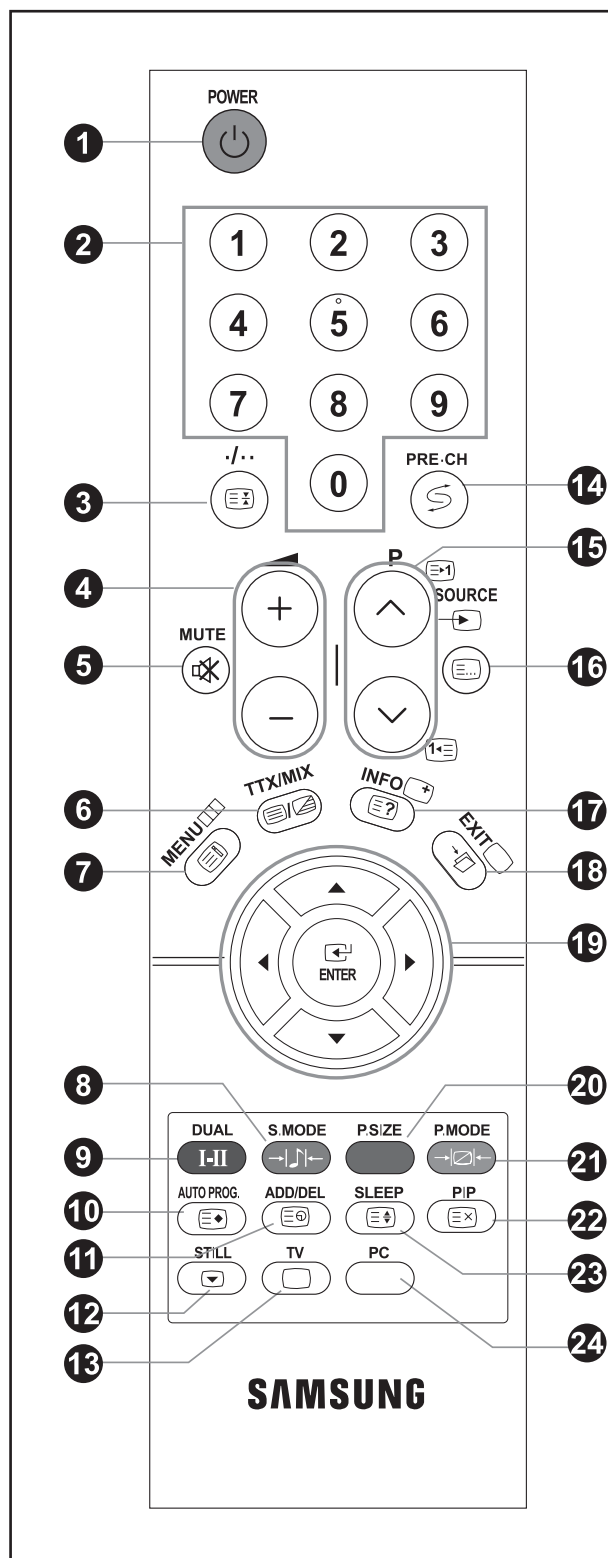
7. Connecting Component Devices (DTV/DVD)

- Connect component video cables (optional) to component connector ("Pr", "Pb", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DTV or DVD.
- If you wish to connect both the Set-Top Box and DTV (or DVD), you should connect the Set-Top Box to the DTV (or DVD) and connect the DTV (or DVD) to component connector ("Pr", "Pb", "Y") on your set.
- The PR, PB and Y connectors on your component devices (DTV or DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DTV or DVD.

8. Kensington Lock

- The Kensington lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.

10-3 Remote Control



1. Television Standby button
2. Number buttons for direct channel access
3. One/Two-digit channel selection
4. + Volume increase
- Volume decrease
5. Temporary sound switch-off
7. Displays the main on-screen menu
8. Sound mode selection
9. Sound effect selection
10. Press to automatically store selected TV/cable channels

11. Use to store and delete channels to/from memory

12. Picture freeze

13. Selects the TV mode directly

14. Previous channel

15. P (Next channel)

P (Previous channel)

16. Available source selection

17. Use to see information on the current broadcast

18. Exit the on-screen menu

19. Control the cursor in the menu

20. Picture size selection

21. Picture effect selection

22. Picture-In-Picture On/Off

23. Automatic Power-off

24. Selects the PC mode directly

Teletext Functions

3. Teletext hold

6. Teletext display/mix both teletext information and the normal broadcast

7. Teletext index

10. Teletext store

11. Teletext sub page

13, 18. Exit from the teletext display

15. P (Teletext next page)

P (Teletext previous page)

16. Teletext mode selection (LIST/FLOF)

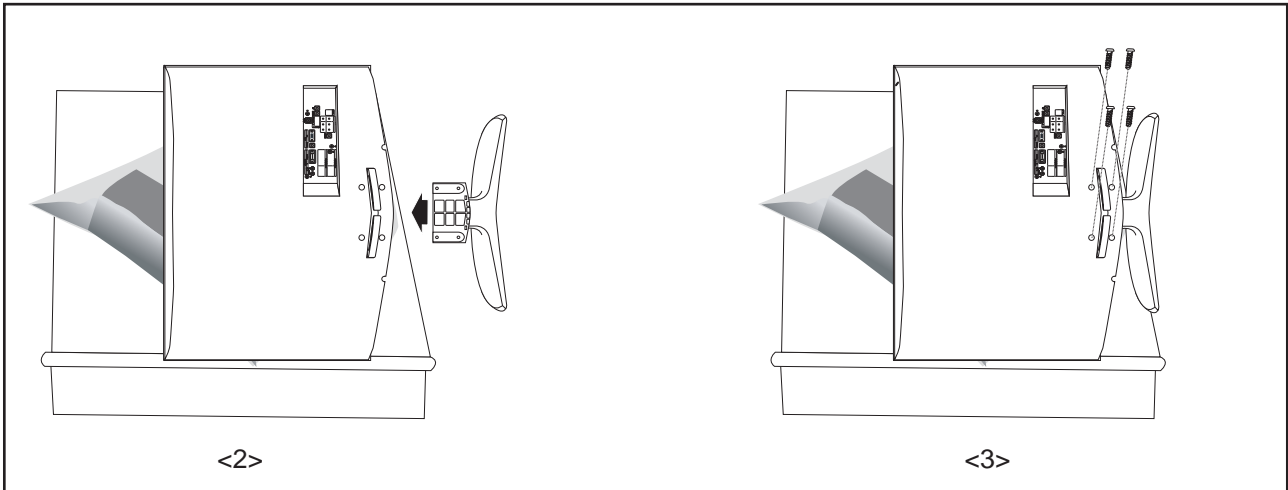
17. Teletext reveal

22. Teletext cancel

23. Teletext size selection

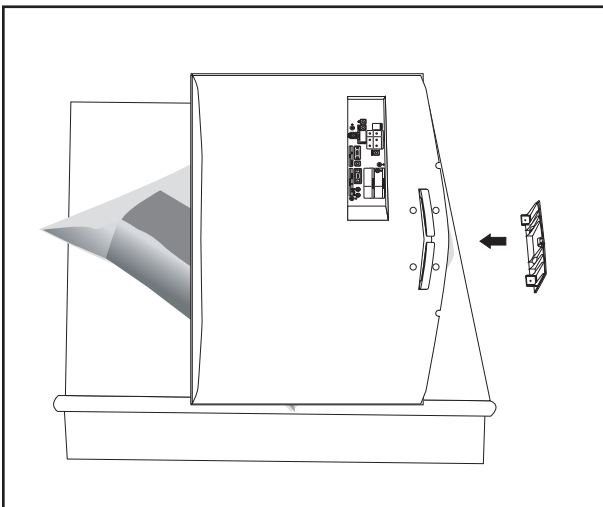
8, 9, 20, 21. Fasttext topic selection

10-4 Installing the Stand



1. Place the TV faced down on a soft cloth or cushion on a table.
2. Put the stand into the hole at the bottom of the TV.
3. Insert screw into the hole indicated and tighten

10-5 Installing the Wall Mount Kit



Wall mount items (sold separately) allow you to mount the TV on the wall. For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items.

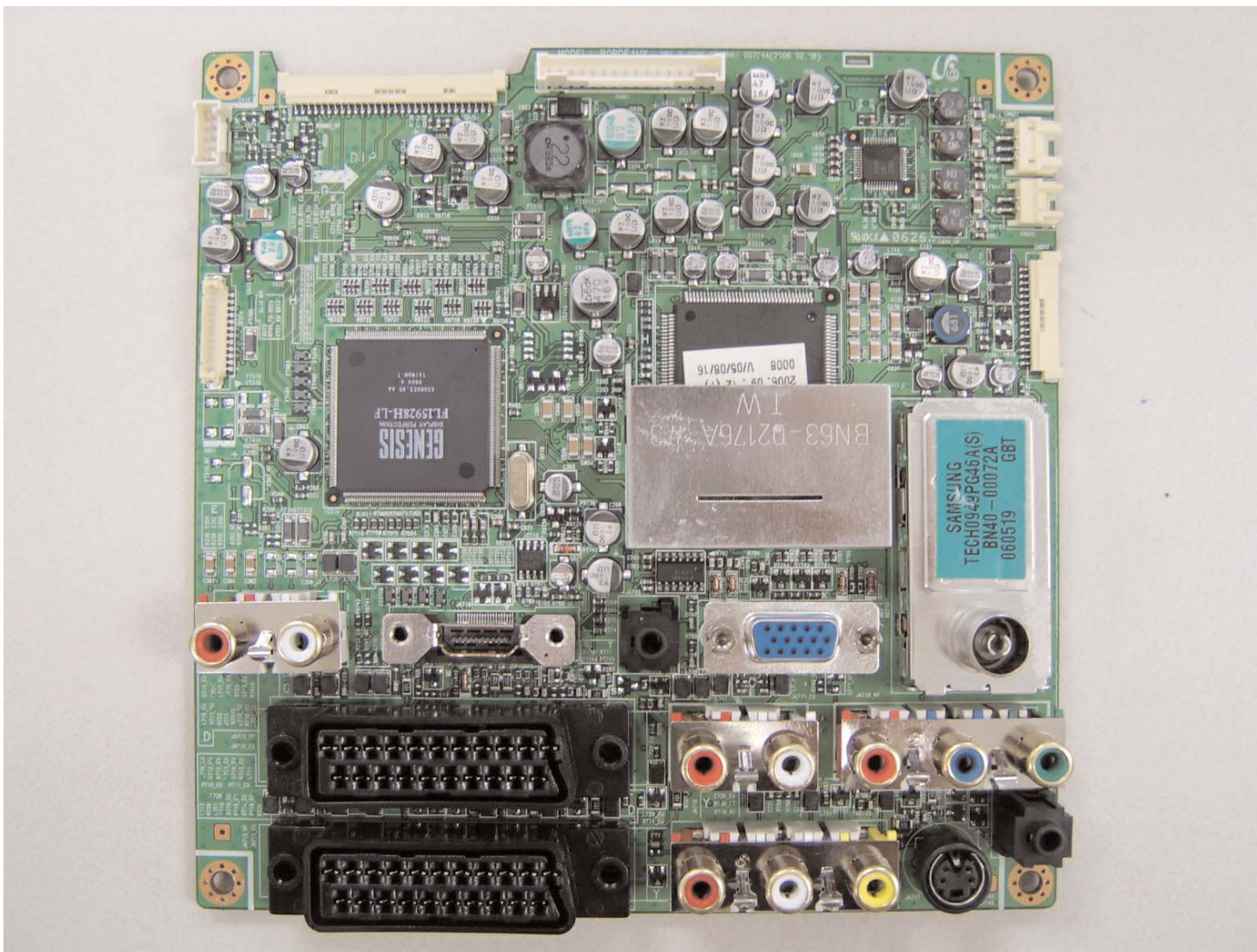
Contact a technician for assistance when installing the wall mounted bracket.

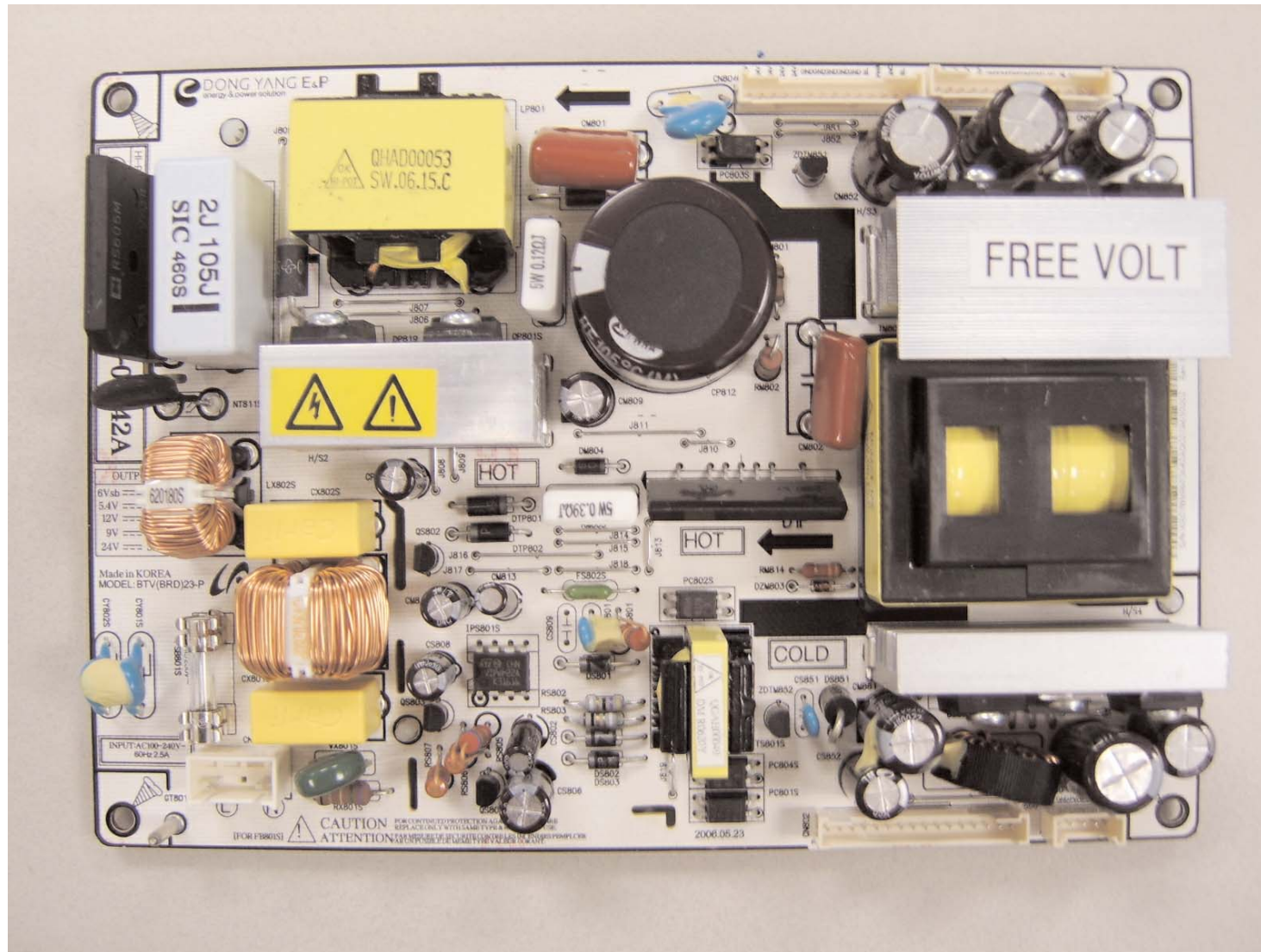
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Remove the stand and cover the bottom hole with a cap and fasten with two screws.

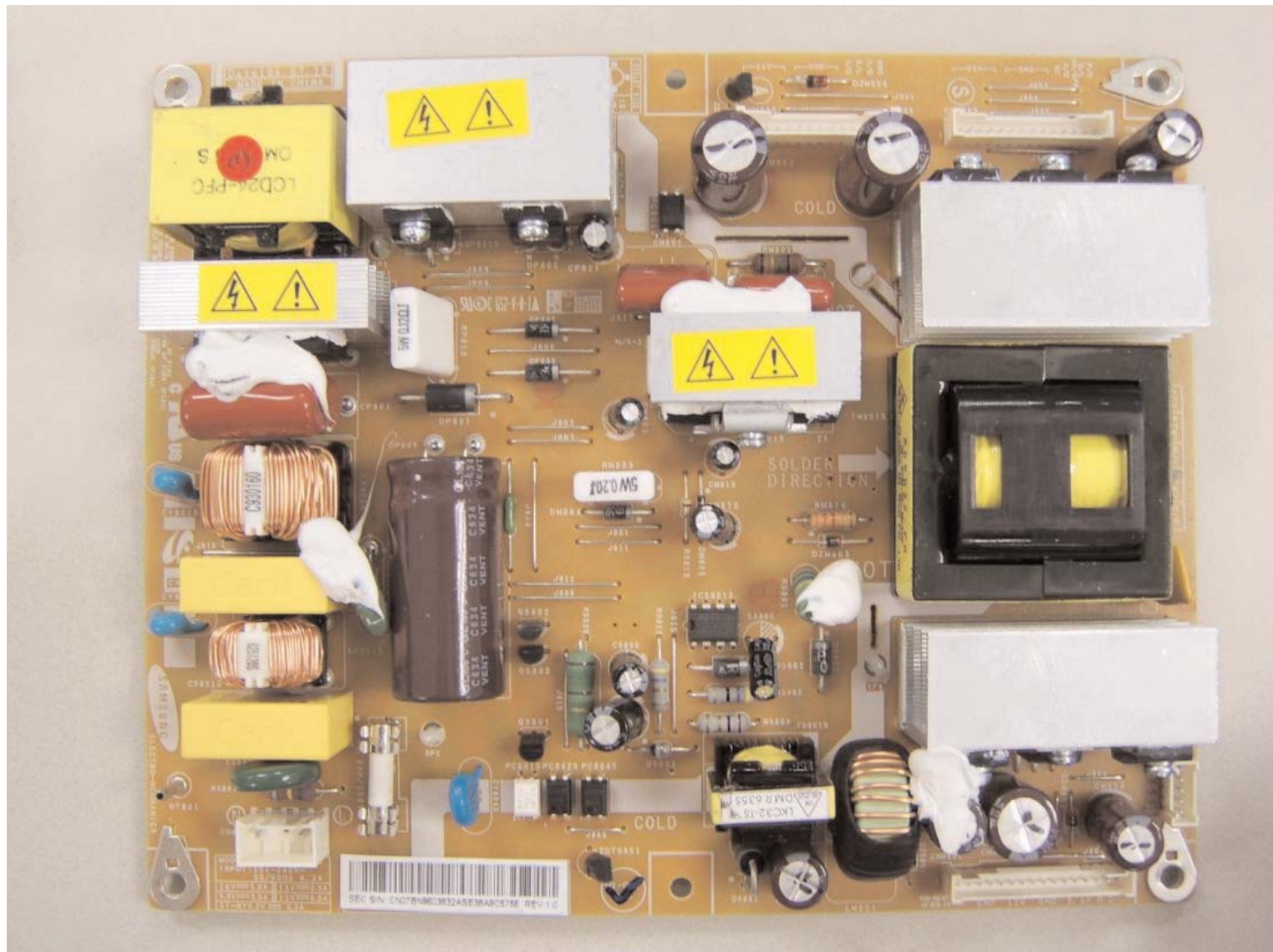
12 PCB Diagram

12-1 Main PCB Diagram





12-3 26inch Power Inverter



14 Reference Information

14-1 Technical Terms

- AC Adapter

Device that converts AC(90V~240V) to DC(+12V or 14V)

- ADC(Analog to Digital Converter)

This is a circuit that converts from analog signal to digital signals.

- Auto Configuration(Auto adjustment)

This is an algorithm to adjust monitor to optimum condition by pushing one key.

- BTSC

Broadcast Television System Committee
The stereo broadcasting system that is used in most of the countries that have adopted the NTSC system, including the United States, Canada, Chile, Venezuela and Taiwan. It also refers to the organization that has been organized to promote its development and management.

- Cable TV

Whereas the terrestrial broadcasting is delivered via frequency signals through the air, cable broadcasting is transmitted via a cable network. In order to view cable TV, one must purchase a cable receiver and hook it up to the cable network.

- CATV

"CATV" refers to the broadcasting service offered at hotels, schools and other buildings through their own broadcasting system, apart from VHF or UHF broadcasting by terrestrial broadcasters. The CATV programs may include movies, entertainment and educational programs. (Different from cable TV.)

CATV can be viewed only within the area in which the CATV service is offered.

- Channel Fine Tuning

This feature allows the viewer to fine-tune the TV channel to obtain the best viewing conditions. The Samsung LCD TV has both automatic and manual channel fine-tuning features to enable the viewer to adjust their desired settings.

- COARSE

This is a adjustment by tuning with Video clock and PLL clock.

- DDC(Display data channel)

It is a communication method between Host Computer and related equipment.
It can make it Plug and Play between PC and Monitor.

- Dot Pitch

The image on a monitor is composed of red, green and blue dots. The closer the dots, the higher the resolution. The distance between two dots of the same color is called the 'Dot Pitch'. Unit: mm

- DVI (Digital Visual Interface)

The Digital Visual Interface uses transition minimized differential signaling for the base electrical interconnection.

- EDID

Extended Display Identification Data PC can recognize the monitor information as Product data, Product name, Display mode, Serial number and Signal source, etc through DDC Line communicating with PC and Monitor.

- EIAJ

Electronic Industries Association of Japan.

- External Device Input

External device input refers to video input from such external video devices as VCRs, camcorders and DVD players, separate from a TV broadcast.

- FINE

"Fine" adjustment is used to adjust visibility by control phase difference.

- FRC(Frame Rate Controller)

Technology that changes image frame quantity displayed on screen for one second.

Actually TFT-LCD panel require 60 pcs of frame for one second.

so, this technology is needed to convert input image to 60 pcs regardless input frame quantity.

- Horizontal Frequency

The time to scan one line connecting the right edge to the left edge of the screen horizontally is called Horizontal Cycle. The inverse number of the Horizontal Cycle is called Horizontal Frequency.

Unit: kHz

- Interlace and Non-Interlace Methods

Showing the horizontal lines of the screen from the top to the bottom in order is called the Non-Interlace method while showing odd lines and then even lines in turn is called the Interlace method. The Non-Interlace method is used for the majority of monitors to ensure a clear image. The Interlace method is the same as that used in TVs.

- Inverter

Device that supplies Power to LCD panel lamp. this device generate about 1,500~2,000V.

- Image Lock

This means " Manual Fineness adjustment". use " Fine" and "Coarse"

- Image Scaler

Technology that converts various input resolution to other resolution.(ex. 640* 480 to 1024*768)

- L.V.D.S.(Low Voltage Differential Signaling)

a kind of transmission method for Digital. It can be used from Main PBA to Panel.

- OSD(On Screen Display)

On screen display. customer can control the screen easily with this.

- PLL(Phase Locked Loop)

During progressing ADC, Device makes clock synchronizing HSYNC with Video clock

- Plug & Play

This is a function that provides the best quality screen for the user by allowing the computer and the monitor to exchange information automatically. This monitor follows the international standard VESA DDC for the Plug & Play function.

- Resolution

The number of horizontal and vertical dots used to compose the screen image is called 'resolution'. This number shows the accuracy of the display. High resolution is good for performing multiple tasks as more image information can be shown on the screen.

Example: If the resolution is 1280 x 1024 , this means the screen is composed of 1280 horizontal dots (horizontal resolution) and 1024 vertical lines (vertical resolution).

- RF Cable

A round signal cable generally used for TV antennas.

- Satellite Broadcasting

Broadcasting service provided via satellite.

Enables high picture quality and clear sound throughout the country regardless of the location of the viewer.

- SMPS(Switching Mode Power Supply)

Switching Mode Power supply. This design technology is used to step up/down the input power by switching on/off

- Sound Balance

Balances the levels of the sound coming from each speaker in televisions with two speakers.

- S-Video

Short for "Super Video." S-Video allows up to 800 lines of horizontal resolution, enabling high-quality video.

- TFT-LCD

(Thin film Transistor Liquid Crystal Display)

- T.M.D.S

(Transition minimized Differential Signaling)

a kind of transmission method for Digital.

It can be used from Video card to Main PBA.

- Vertical Frequency

The screen must be redrawn several times per second in order to create and display an image for the user. The frequency of this repetition per second is called Vertical Frequency or Refresh Rate.

Unit: Hz

Example: If the same light repeats itself 60 times per second, this is regarded as 60 Hz.

- VHF/UHF

VHF indicates TV channels 2 to 13, and UHF indicates channels 14 through 69.

14-2 Pin Assignments

14-2-1 HDMI

Type A pin	Signal Name	Wire
1	TMDS Data2+	TMDS Signal wire
2	TMDS Data2 Shield	TMDS Shield
3	TMDS Data2-	TMDS Signal wire
4	TMDS Data1+	TMDS Signal wire
5	TMDS Data1 Shield	TMDS Shield
6	TMDS Data1-	TMDS Signal wire
7	TMDS Data0+	TMDS Signal wire
8	TMDS Data0 Shield	TMDS Shield
9	TMDS Data0-	TMDS Signal wire
10	TMDS Clock+	TMDS Signal wire
11	TMDS Clock Shield	TMDS Clock Shield
12	TMDS Clock-	TMDS Shield
13	CEC	Control
14	Reserved (in cable but N.C. on device)	Control
15	SCL	Control
16	SDA	Control
17	DDC/CEC Ground	Control
18	+5V Power	5 Volts Power wire
19	Hot Plug Detect	Control

14-2-2 Component

RCA Green	Y
	GND
RCA Blue	Pb (Cb)
	GND
RCA Red	Pr (Cr)
	GND
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

14-2-4 A/V

RCA Yellow	CVBS
RCA White	Audio L
	GND
RCA Red	Audio R
	GND

14-2-3 S-Video

Pin	Separate
1	GND
2	Y
3	C
4	GND
5	GND

14-2-5 D-SUB

Pin	Separate
1	Red
2	Green
3	Blue
4	GND
5	GND
6	GND Red
7	GND Green
8	GND Blue
9	DDC Input power(+5V)
10	IDENT PC
11	GND
12	DDC Data(SDA)
13	H SYNC
14	V SYNC
15	DDC Clock(SCL)

14-2-6 PC Display mode

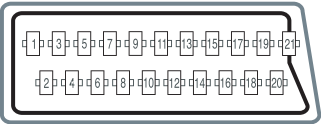
Both screen position and size will vary depending on the type of PC monitor and its resolution.

The resolutions in the table are recommended. (All resolutions between the supported limits are supported)

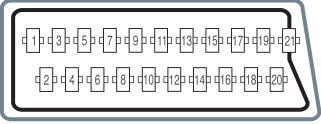
Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 480	31.469	59.940	25.175	- / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	48.364	60.000	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ / +
	1360 x 768	47.712	60.015	85.800	+ / +

- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.
- DVI does not support PC function.

14-2-7 Scart 1



Pin Signal
1 Audio output R
2 Audio input R
3 Audio output L
4 Audio common GND
5 Video GND (RGB blue)
6 Audio input L
7 RGB blue input
8 Switching voltage
9 Video GND (RGB green)
10 NC
11 RGB green input



Pin Signal
1 Audio output R
2 Audio input R
3 Audio output L
4 Audio common GND
5 Video GND (RGB blue)
6 Audio input L
7 RGB blue input
8 Switching voltage
9 Video GND (RGB green)
10 NC
11 RGB green input

Pin Signal
12 NC
13 Video GND (RGB red)
14 GND
15 RGB red input
16 Fast Blanking signal (RGB switching)
17 Video output GND
18 Video input GND
19 Video output (CVBS out)
20 Video input (CVBS in)
21 Common GND

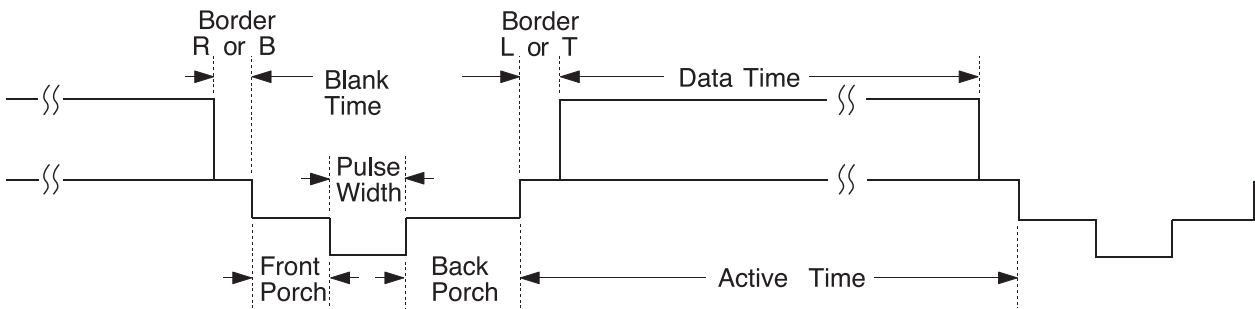
Pin Signal
12 NC
13 Video GND (RGB red)
14 GND
15 RGB red input
16 NC
17 Video output GND
18 Video input GND
19 Video output (CVBS out)
20 Video input (CVBS in)
21 Common GND

14-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

14-3-1 LCD Panel Mode1 mode

Timing No.	LTA400W2
Originator	VESA
Mode Name	1366/60Hz
Resolution (HxV)	1366x768
HORIZONTAL	
Frequency	47.712kHz
Total time	20.959 μ s
Activetime	15.906 μ s
Blank time	5.053 μ s
Border(L / R)	0.000 μ s
Data time	15.906 μ s
Front porch	0.749 μ s
Sync. width	1.702 μ s
Back porch	2.994 μ s
Sync. polarity	Positive
VERTICAL	
Frequency	60.015Hz
Total time	16.662 ms
Active time	16.097ms
Blank time	0.566 ms
Border(T/ B)	0.000 ms
Data time	16.097ms
Front porch	0.063 ms
Sync. width	0.105 ms
Back porch	0.377ms
Sync polarity	Positive
Dot Clock	85.500MHz
Sync. Type	Separate
Scan Type	N/I



14-3-2 Supported Modes (1)

Timing No. Originator Mode Name Resolution (HxV)	2 IBM VGA2 720x400	3 IBM VGA3 640x480	11 VESA 640/72Hz 640x480	17 VESA 640/75Hz 640x480	32 MAC 640/67Hz 640x480
HORIZONTAL Frequency	31.469kHz	31.469kHz	37.861kHz	37.500kHz	35.000kHz
Total time	31.777μs	31.778μs	26.413μs	26.667μs	28.571μs
Activetime	26.058μs	26.058μs	20.825μs	20.317μs	21.164μs
Blank time	5.720μs	5.720μs	5.588μs	6.350μs	7.407μs
Border(L / R)	0.318μs	0.318μs	0.254μs	0.000μs	0.000μs
Data time	25.422μs	25.422μs	20.317μs	20.317μs	21.164μs
Front porch	0.318μs	0.318μs	0.508μs	0.508μs	2.116μs
Sync. width	3.813μs	3.813μs	1.270μs	2.032μs	2.116μs
Back porch	1.589μs	1.589μs	3.810μs	3.810μs	3.175μs
Sync. polarity	Negative	Negative	Negative	Negative	Negative
VERTICAL Frequency	70.087Hz	59.940Hz	72.809Hz	75.000Hz	66.667Hz
Total time	14.268ms	16.683ms	13.735ms	13.333ms	15.000ms
Active time	13.155ms	15.761ms	13.100ms	12.800ms	13.714ms
Blank time	1.113ms	0.922ms	0.635ms	0.533ms	1.286ms
Border(T / B)	0.222ms	0.254ms	0.211ms	0.000ms	0.000ms
Data time	12.711ms	15.253ms	12.678ms	12.800ms	13.714ms
Front porch	0.191ms	0.064ms	0.026ms	0.027ms	0.086ms
Sync. width	0.064ms	0.064ms	0.079ms	0.080ms	0.086ms
Back porch	0.858ms	0.794ms	0.528ms	0.427ms	1.114ms
Sync polarity	Positive	Negative	Negative	Negative	Negative
Dot Clock	28.322MHz	25.175MHz	31.500MHz	31.500MHz	30.240MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

14-3-3 Supported Modes (2)

Timing No.	13	14	18
Originator	VESA	VESA	VESA
Mode Name	800/60Hz	800/72Hz	800/75Hz
Resolution (HxV)	800x600	800x600	800x600
HORIZONTAL			
Frequency	37.879kHz	48.077kHz	46.875kHz
Total time	26.400 μ s	20.800 μ s	21.333 μ s
Active time	20.000 μ s	16.000 μ s	16.162 μ s
Blank time	6.400 μ s	4.800 μ s	5.171 μ s
Border(L / R)	0.000 μ s	0.000 μ s	0.000 μ s
Data time	20.000 μ s	16.000 μ s	16.162 μ s
Front porch	1.000 μ s	1.120 μ s	0.323 μ s
Sync. width	3.200 μ s	2.400 μ s	1.616 μ s
Back porch	2.200 μ s	1.280 μ s	3.232 μ s
Sync. polarity	Positive	Positive	Positive
VERTICAL			
Frequency	60.317Hz	72.188Hz	75.000Hz
Total time	16.579ms	13.853ms	13.333ms
Active time	15.840ms	12.480ms	12.800ms
Blank time	0.739ms	1.373ms	0.533ms
Border(T / B)	0.000ms	0.000ms	0.000ms
Data time	15.840ms	12.480ms	12.800ms
Front porch	0.026ms	0.770ms	0.021ms
Sync. width	0.106ms	0.125ms	0.064ms
Back porch	0.607ms	0.478ms	0.448ms
Sync polarity	Positive	Positive	Positive
Dot Clock	40.000MHz	50.000MHz	49.500MHz
Sync. Type	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I

14-3-4 Supported Modes (3)

Timing No. Originator Mode Name Resolution (HxV)	15 VESA 1024/60Hz 1024x768	16 VESA 1024/70Hz 1024x768	19 VESA 1024/75Hz 1024x768	VESA 1360/60Hz 1360x768
HORIZONTAL Frequency Total time Activetime Blank time Border(L / R) Data time Front porch Sync. width Back porch Sync. polarity	48.363kHz 20.677 μ s 15.754 μ s 4.923 μ s 0.000 μ s 15.754 μ s 0.369 μ s 2.092 μ s 2.462 μ s Negative	56.476kHz 17.707 μ s 13.653 μ s 4.053 μ s 0.000 μ s 13.653 μ s 0.320 μ s 1.813 μ s 1.920 μ s Negative	60.023kHz 16.660 μ s 13.003 μ s 3.777 μ s 0.000 μ s 13.003 μ s 0.323 μ s 1.219 μ s 2.235 μ s Positive	47.712kHz 20.959 μ s 15.906 μ s 5.053 μ s 0.000 μ s 15.906 μ s 0.749 μ s 1.702 μ s 2.994 μ s Positive
VERTICAL Frequency Total time Active time Blank time Border(T / B) Data time Front porch Sync. width Back porch Sync polarity	60.004Hz 16.666ms 15.880ms 0.786ms 0.000ms 15.880ms 0.062ms 0.124ms 0.600ms Negative	70.069Hz 14.272ms 13.599ms 0.672ms 0.000ms 13.599ms 0.053ms 0.106ms 0.513ms Negative	75.029Hz 13.328ms 12.795ms 0.533ms 0.000ms 12.795ms 0.017ms 0.050ms 0.466ms Positive	60.015Hz 16.662 ms 16.097ms 0.566 ms 0.000 ms 16.097ms 0.063 ms 0.105 ms 0.377ms Positive
Dot Clock	65.000MHz	75.000MHz	78.750MHz	85.500MHz
Sync. Type	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I

14-4 Panel Description

After replacing panel check Panel Code.

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LT140X1-002	BN07-00004A	SA	BN68-00239H	-
SEC	LT150XS-L01	BN07-00009A	SB		-
SEC	LT150XS-L01-B	BN07-00022A	SC		-
SEC	LTM150XS-L02	BN07-00005A	SD		-
SEC	LT181E2-132	BN07-00001A	SE		-
SEC	LT150XS-T01	BN07-00010A	SF		-
SEC	LTM181E3-132	BN07-00019A	SG		-
SEC	LT170E2-131	BN07-10001D	SH		-
SEC	LT181E2-131	BN07-10001E	SJ		-
SEC	LTM170E4-L01	BN07-00018A	SK		-
SEC	LTM240W1-L01	BN07-00015A	SL		-
SEC	LTM213U3-L01	BN07-00016A	SM		-
SEC	LTM150XH-L01	BN07-00026A	SN		-
SEC	LTM150XH-L03	BN07-00027A	SP		-
SEC	LTM150XS-L01	BN07-00032A	SQ		DELL(ZPD)
SEC	LTM181E4-L01	BN07-00034A	SR		PVA
SEC	LTM170EH-L01	BN07-00036A	SS		TN
SEC	LTM170E5-L01	BN07-00037A	SU		PVA
SEC	LTM150XH-L11	BN07-00041A	SV		-
SEC	LTM213U4-L01	BN07-00039A	SW		PVA
SEC	LTM150XH-L01(ZPD)	BN07-00045A	SX		ZPD
SEC	LTM150XH-L04	BN07-00046A	SY		New panel with high brightness
SEC	LTM170W1-L01	BN07-00047A	SZ		Panel for TV
SEC	LTM150XH-L06	BN07-00053A	EA		Panel for TV/ High luminance for 450cd _ SONY&EOS Team Panel for TV
SEC	LTM153W1-L01	BN07-00054A	EB		Use NIKE MODEL
SEC	LTM170EH-L05	BN07-00055A	EC		Panel EOS proj. for high brightness of 17" EH-L05
SEC	LTM170E5-L03	BN07-00056A	ED		Dell 1702FP pro. E4. EH mechanical Compatible
SEC	LTM190E1-L01	BN07-00057A	EE		DELL 1900 FP
SEC	LTM181E5-L01	BN07-00061A	EF		18" narrow bezel GH18PS
SEC	LTM150XP-L01	BN07-00065A	EG		AMLCD PVA PANEL
SEC	LTM240W1-L02	BN07-00062A	EH		Panel for 15" Wide TV
SEC	LTM170EU-L01	BN07-00071A	EJ		Slim design, TN
SEC	LTM170E5-L04	BN07-00072A	EK		E5-L04 6 bits FRC... for IBM
SEC	LTA220W1-L01	BN07-00074A	EL		Panel for 22" TV
SEC	LTM170E6-L02	BN07-00075A	EM		AMLCD Narrow & slim design 17" PVA mode
SEC	LTM170W1-L01	BN07-00082A	EN		LTM170W1-L01 ZPD panel
SEC	LTM170EH-L01	BN07-00080A	EP		LTM170EH-L01 ZPD panel
SEC	LTM170E5-L01	BN07-00081A	EQ		LTM170E5-L01 ZPD panel
SEC	LTM170EH-L05	BN07-00083A	ER		LTM170EH-L05 ZPD panel
SEC	LTM170E5-L03	BN07-00084A	ES		LTM170E5-L03 ZPD panel
SEC	LTM170EU-L01	BN07-00085A	ET		LTM170EU-L01 ZPD panel
SEC	LTM170E5-L04	BN07-00086A	EU		LTM170E5-L04 ZPD panel
SEC	LTM170E6-L02	BN07-00087A	EV		LTM170E6-L02 ZPD panel
SEC	LTM150XH-L06	BN07-00091A	EW		Color coordinates change for LCD TV
SEC	LTM153W1-L01	BN07-00092A	EX		AMLCD WIDE 15",9/10
SEC	LTM170W1-L01	BN07-00100A	EY		Color Coordinates change code management
SEC	LTM170EH-L05	BN07-00097A	EZ		LTM170E5-L05 Color Coordinates Change Panel Code
SEC	LTA400W1-L01	BN07-00109A	S1		PANEL of AMLCD 40" TV
SEC	LTM153W1-L01	BN07-00110A	S2		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM150XH-L06	BN07-00111A	S3		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM170W1-L01	BN07-00112A	S4		Color coordinates change 0.280/0.290, 10000k & ZPD Panel
SEC	LTM170EH-L05	BN07-00113A	S5		Color coordinates change 0.280/0.290, 10000k & ZPD Panel

14 Reference Information

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTM220W1-L01	BN07-00114A	S6		ZPD Panel for AMLCD 22" TV
SEC	LTM150XH-L06	BN07-00117A	S7		ZPD Panel code
SEC	LTM153W1-L01	BN07-00118A	S8		ZPD Panel code
SEC	LTM170WP-L01	BN07-00119A	S9		PVA Panel for NIKE
SEC	LTM213U4-L01	BN07-00039A	E1		21.3" NARROW
SEC	LTA260W1-L01	BN07-00121A	E2		VENUS
SEC	LTA220W1-L01	BN07-00074B	E3		"Panel B-level panel code for 22" TV Panel "
SEC	LTA320W1-L01	BN07-00108A	E4		"Panel for AMLCD 32" TV"
SEC	LTM213U4-L01	BN07-00124A	E5		NARROW BEZEL 21 " PANEL
SEC	LTM170E6-L04	BN07-00129A	E6		"HIGHLAND 17"" LOW PANEL (Panel only for TCO03)"
SEC	LTM190E1-L01	BN07-00088A	E7		LTM190E1-L01 ZPD panel
SEC	M150X4-L06	BN07-00137A	E8		15" Narrow & Slim panel
SEC	LTA170V1	BN07-00139A	E9		"17"" Panel for Muse 4:3 VGA TV"
SEC	LTM190E1-L02	BN07-00128A	E10		"New Panel from AMLCDI, Specification : 6bit Driver IC"
SEC	LTM170EX-L01	BN07-00143A	E11		"Development new Panel from AMLCD"
SEC	LTM170E8-L01	BN07-00144A	E12		"Development new Panel from AMLCD"
SEC	LTM170E6-L04	BN07-00129B	E13		"ZPD panel for AMLCD (Panel only for TCO03)"
SEC	LTA320W1-L02	BN07-00108B	E14		"Creat B-level Panel code for AMLCD 32"" TV"
SEC	LTM190E1-L03	BN07-00151A	E15		"Development new 19"" Panel form AMLCD (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134A	E16		"AMLCD 24"" panel development"
SEC	LTM190E1-L02	BN07-00128B	E17		"New Panel from AMLCD, Specification : 6bit Driver IC(ZPD)"
SEC	LTM190E4-L01	BN07-00145A	E18		"AMLCD 24"" new panel development"
SEC	LTM170E8-L01	BN07-00158A	E19		"ZPD code derivation"
SEC	LTM170EX-L01	BN07-00159A	E20		"ZPD code derivation"
SEC	LTM190E1-L03	BN07-00151B	E21		"Creat new panel code for AMLCD 19"" (Panel only for TCO03)"
SEC	LTA460H1-L01	BN07-00157A	E22		"creat panel code for AMLCD 46"" TV "
SEC	LTM170EU-L11	BN07-00160A	E23		"creat new panel code for AMLCD 17"" (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134B	E24		"24"" panel ZPD code derivation"
SEC	LTM190E4-L01	BN07-00145B	E25		"AMLCD 19"" ZPD Panel code derivation"
SEC	LTM240W1-L03	BN07-00134B	E26		"24"" panel ZPD code derivation"
SEC	LTM150XO-L01	BN07-00164A	E27		"AMLCD 15"" XO-L01 new panel development"
SEC	LTM150XO-L01	BN07-00164B	E28		"AMLCD 15"" XO-L01 ZPD code derivation"
SEC	LTM170EU-L11	BN07-00160B	E29		"AMLCD 17"" NEW panel code derivation"
SEC	LTA320W2-L01	BN07-00172A	SPZ		AMLCD 32" NEW panel
SEC	LTM213U4-L01	BN07-00124B	SPZ		21.3" Narrow PANEL ZPD Panel derivation
SEC	LTM170EU-L11	BN07-00189A	STH		AMLCD EU-L11 Pb free panel code derivation
SEC	LTM170EU-L11	BN07-00189B	STZ		AMLCD EU-L11 Pb free panel ZPD code derivation
SEC	LTM240W1-L04	BN07-00188A	SPH		24" A-DCC new panel development
SEC	LTM240W1-L04	BN07-00188B	SPZ		24" A-DCC panel ZPD code derivation
SEC	LTM190EX-L01	BN07-00191A	STH		AMLCD 19" TN new Panel
SEC	LTM190EX-L02	BN07-00191B	STZ		AMLCD 19" TN new Panel ZPD derivation
SEC	LTA230W1-L02	BN07-00184A	SPZ		AMLCD 23" 16:9 new Panel
SEC	LTA260W2-L01	BN07-00185A	SPZ		AMLCD 26" 16:9 new Panel
SEC	LTM240M1-L01	BN07-00195A	SPH		24" panel with high brightness deveipment
SEC	LTA400W2-L01	BN07-00186A	SPZ		AMLCD 40" 16:9 new Panel
SEC	LTM150XO-L01	BN07-00197A	STH		AMLCD 15" XO-L01 Pb free panel code
SEC	LTM150XO-L01	BN07-00197B	STZ		AMLCD 15" XO-L01 Pb free panel ZPD code
SEC	LTM170EU-L21	BN07-00202A	STZ		AMLCD EU-L21 ZPD new code derivation
SEC	LTA460W2-L03	BN07-00187A	SPZ		BEETOVEN 46"ZPD new panel
SEC	LTM240M1-L01	BN07-00195B	SPZ		24" igh brightness panel ZPD code derivation
SEC	M170EX-L21	BN07-00206A	STZ		AMLCD LTM170EX-L21 ZPD new code derivation
SEC	LTA460H3-L01	BN07-00200A	SPZ		AMLCD 46" LED BLU panel

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTM170EU-L15	BN07-00214A	STZ		AMLCD EU-L15 TV high brightness ZPD new code derivation
SEC	LTM170E8-L21	BN07-00218A	SPZ		AMLCD LTM170E8-L21 PVA ZPD new code derivation
SEC	LTM190EX-L21	BN07-00222A	STZ		DISPLAY LCD
SEC	LTM201U1-L01	BN07-00190B	SPZ		AMLCD 20.1" Normal panel ZPD code derivation
SEC	LTM190E4-L21	BN07-00223A	SPZ		HAYDN 17" PZD code PANEL derivation
SEC	LTA570H1-L01	BN07-00196A	SPZ		AMLCD 57" new panel development
SEC	LTM150XO-L21	BN07-00229A	STZ		AMLCD 15" XO-L21 8ms panel code
SEC	LTA260W2-L11	BN07-00239A	SPZ		AMLCD 26" 16:9 7Line new Panel
SEC	LTA400WS-LH1	BN07-00245A	SPZ		AMLCD 40" 16:9 SPVA 90% new Panel
SEC	LTM213U6-L01	BN07-00231A	SPZ		AMLCD 21.3" PVA new Panel Code
SEC	LTM213U6-L01	BN07-00231B	SPH		AMLCD 21.3" PVA Panel HPD Code
SEC	LTA320WS-LH2	BN07-00244A	SPZ		AMLCD 32" 16:9 SPVA 90% new Panel
SEC	LTA400WS-LH1	BN07-00245A	SPZ		AMLCD 40" 16:9 SPVA 90% new Panel
SEC	LTM190M2-L01	BN07-00227A	STZ		AMLCD 19" TN Wide new Panel Code development
SEC	LTM201UX-L01	BN07-00249A	STZ		AMLCD 20.1" TN new Panel Code development
SEC	LTM240M1-L02-A05	BN07-00250A	SPZ		24" High luminance Slim panel ZPD code
SEC	LTA320W3-L02	BN07-00219A	SPZ		AMLCD 32" new Panel
SEC	LTA320W2-L11	BN07-00259A	SPZ		AMLCD 32" 16:9 IP Board Panel
SEC	LTA460WS-L02	BN07-00252A	SPZ		AMLCD 46" 16:9 SPVA 72% Panel
SEC	LTA400WT-L01	BN07-00264A	SPZ		
SEC	LTM240M2-L02	BN07-00267A	SPZ		LCD Monitor 24" wide SPVA ZPD new code
SEC	LTM210M2-L02	BN07-00230A	SPZ		
SEC	LTA320WT-L11	BN07-00257A	SPZ		
SEC	LTM190EX-L21-G	BN07-00274A	STZ		AMLCD 19" TN Glare new Panel Code
CPT	CLAA150XG09	BN07-00141A	PA		CPT 15" Monitor new panel development
CPT	CLAA170EA02	BN07-00148A	PB		"17" CPT NEW development panel"
CPT	CLAA170EA02	BN07-00148B	PC		"17" CPT ZPD panel code derivation"
CPT	CLAA150XG09	BN07-00141B	PTZ		"CPT 15" panel ZPD code derivation (GOYA-PJT)"
CPT	CLAA150XP01	BN07-00173A	PTH		CPT 15" PSWG code derivation
CPT	CLAA150XP01	BN07-00173B	PTZ		CPT 15" PSWG panel ZPD code
CPT	CLAA170EA07	BN07-00174A	PTH		CPT 17" PSWG panel code derivation
CPT	CLAA170EA07	BN07-00174B	PTZ		CPT 17" PSWG type new Panel code
CPT	CLAA170EA07Q	BN07-00220A	PTZ		CPT 17" PSWG R/T 8msec code derivation
CPT	CLAA170EA07Q	BN07-00220B	PTH		CPT 17" PSWG R/T 8msec HPD code derivation
CPT	CLAA150XP01F	BN07-00236A	PTZ		CPT 15" PSWG panel ZPD & Lead free code derivation
TOSHIBA	LTM15C419(A)	BN07-00002A	TA		-
TOSHIBA	LTM15C423(B)	BN07-00006A	TB		-
TOSHIBA	LTM18C161	BN07-00008A	TC		-
TOSHIBA	LTM15C443	BN07-00031A	TD		-
TOSHIBA	LTM15C458	BN07-00043A	TE		-
TOSHIBA	LTM15C458S	BN07-00077A	TF		"TSB 15" high brightness Panel"
TOSHIBA	LTM15C458	BN07-00078A	TG		Toshiba ZPD panel
TOSHIBA	LTM15C458S	BN07-00099A	TH		TSB LTM15C458S (ZPD)
HANNSTAR	HSD150MX41A(A)	BN07-00020A	NA		"TTL type"
HANNSTAR	HSD150MX12	BN07-00030A	NB		"TTL type"
HANNSTAR	HSD170ME13	BN07-00180A	NTH		Hannstar 17" TN new panel development
HANNSTAR	HSD170ME13	BN07-00180B	NTZ		Hannstar 17" TN new panel development ZPD code derivation
HANNSTAR	HSD190ME12	BN07-00210A	NTZ		Hannstar 19" TN new panel development
HANNSTAR	HSD150MX17-A	BN07-00226A	NTZ		Hannstar 15" slim panel ZPD code derivation
HANNSTAR	HSD190ME12-A10	BN07-00256A	NTZ		Hannstar 19" TN PSWG 8ms new panel development
HANNSTAR	HSD190ME13-D11	BN07-00270A	NTZ		Hannstar 19" TN Slim 5ms new panel development
TORISAN	TM150XG-22L03(A)	BN07-00021A	RA		-

14 Reference Information

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
TORISAN	TM150XG-26L06	BN07-00042A	RB	-	-
TORISAN	TM181SX-76N01	BN07-00048A	RC	-	-
TORISAN	TM150XG-26L06	BN07-00059A	RD	-	15" XGA TN MODE(ZPD)
TORISAN	TM290WX-71N31	BN07-00063A	RE	-	"RS24NS (TORISAN 29"" NEW PANEL)"
TORISAN	TM396WX-71N31	BN07-00064A	RF	-	"RS24NS (TORISAN 40"" NEW PANEL)"
TORISAN	TM150XG-26L09	BN07-00073A	RG	-	"Panel for 15"" TV"
TORISAN	TM150XG-26L10	BN07-00089A	RH	-	"L10(change except D/IC) ZPD"
TORISAN	TM150XG-26L10	BN07-00090A	RJ	-	L10 NORMAL
TORISAN	TM190SX-70N01	BN07-00098A	RK	-	Torisan 19" Panel
TORISAN	TM181SX-76N01	BN07-00106A	RL	-	ZPD Panel code
TORISAN	TM190SX-70N01	BN07-00107A	RM	-	ZPD Panel code
TORISAN	TM290WX-71N31	BN07-00115A	RN	-	"Color Coordinates change panel for TORISAN 29"" TV"
TORISAN	TM396WX-71N31	BN07-00116A	RP,Q	-	"Color Coordinates change panel for TORISAN 40"" TV"
TORISAN	TM220WX-71N31	BN07-00125A	RR	-	"Development TORISAN 22"" TV PANEL (ZPD)"
TORISAN	TM220WX-71N31	BN07-00127A	RS	-	"Development TORISAN 22"" TV PANEL (HPD)"
TORISAN	TM396WX-71N32A	BN07-00150A	RT	-	120V inverter Exclusive panel
TORISAN	TM190SX-70N02	BN07-00154A	RMH	-	Torisan 6bit panel code Derivation
TORISAN	TM190SX-70N02	BN07-00154B	RMZ	-	Torisan 6bit panel code Derivation
TORISAN	TM150XG-A01	BN07-00162A	RTH	-	Torisan 15" Narrow & Slim panel development
TORISAN	TM150XG-A01	BN07-00162B	RTZ	-	Torisan 15" N&S panel ZPD code Derivation
SHARP	LQ181E1DG11(A)	BN07-10001C	PA	-	-
SHARP	LQ150X1LW71	BN07-00067A	PB	-	SHARP 15" PVA PANEL
SHARP	LQ370T3LZ41	BN07-00216A	FAZ	-	Rome2
HITACHI	TX38D12VC0CAA(A)	BN07-00003A	HA	-	-
HITACHI	TX43DVCOCAB	BN07-00060A	HB	-	17" SXGA PVA MODE
HITACHI	TX43D15VC0CAB	BN07-00101A	HC	-	ZPD Panel
HITACHI	TX51D11VC0CAB	BN07-00122A	HD	-	20.1" NARROW
HITACHI	TX54D11VC0CAB	BN07-00123A	HE	-	21.3" NARROW
HITACHI	TX80D12VC0CAB	BN07-00169A	HIZ	-	"Development new panel for Hitachi 32"" TV (ZPD)"
HITACHI	TX54D11VC0CAB	BN07-00123B	HIZ	-	Hitachi 21.3"ZPD panel
IBM	ITSX94S	BN07-00017A	IA	-	-
UNIPAC	UM170E0	BN07-00028A	UA	-	Loaded by cisdba
HYUNDAI	HT15X13	BN07-00035A	DA	-	-
HYUNDAI	HT17E11-200	BN07-00049A	DB	-	TN MODE
HYUNDAI	HT17E11-300	BN07-00093A	DC	-	HT17E11-300 ZPD panel
HYUNDAI	HT17E11-400	BN07-00094A	DD	-	HT17E11-400 normal panel
HYUNDAI	HT17E11-400	BN07-00095A	DE	-	HT17E11-400 ZPD panel code
HYUNDAI	HT17E12	BN07-00096A	DF	-	HT17E12 (Narrow & slim Design)
HYUNDAI	HT17E12	BN07-00105A	DG	-	ZPD Panel code
HYUNDAI	HT15X15-D00	BN07-00146A	DH	-	"Development for Ares 15"" Hydis TV"
HYUNDAI	HT15X15-D01	BN07-00146B	DJ	-	"Derivation panel HPD for Ares 15"" Hydis TV "
HYUNDAI	HT17E13-100	BN07-00167A	DTH	-	"PINEHURST-2(IBM) PJT 17"" HYDIS PANEL Derivation"
HYUNDAI	HT17E13-100	BN07-00167B	DTZ	-	"PINEHURST-2(IBM) Hydis 17"" ZPD code Derivation"
HYUNDAI	HT170EX1-100	BN07-00240A	DTZ	-	17" EX compatible Hydis Slim panel development
HYUNDAI	HT201V01-100	BN07-00263A	DTZ	-	Hydis 20.1" 4:3 VGA Mode TN Panel
ACER	L170E3	BN07-00044A	AA	-	TN(ADT)
ACER	M170EN05	BN07-00076A	AB	-	AU 17" Panel (Narrow & slim design)
ACER	M170EN05	BN07-00102A	AC	-	ZPD Panel code
ACER	M190EN02	BN07-00170A	AMH	-	"AU Monitor 19"" new panel development (P19-1S)"
ACER	M190EN02	BN07-00170B	AMZ	-	"AU 19"" ZPD code derivation (ZPD)"
ACER	M170EN06	BN07-00171A	ATH	-	"AU Monitor 17"" New panel development "
ACER	T260XW01	BN07-00163A	AMZ	-	"AU 26"" new panel development (NF26EO)"

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
ACER	A201SN01	BN07-00177A	ATZ		"AU TV panel 20.1"" TN SVGA new panel development"
ACER	M170EN06	BN07-00171B	ATZ		AU Monitor 17" ZPD code derivation
ACER	T315XW01	BN07-00194A	AMZ		AU 32" new
ACER	M170EG01	BN07-00192A	ATH		AU TN PSWG type new Panel code
ACER	M170EG01	BN07-00192B	ATZ		AU TN PSWG type NEW panel code derivation
ACER	M190EN04	BN07-00203A	ATH		AU Monitor 19" ZPD new Panel code
ACER	T260XW02	BN07-00208A	AMZ		AUO 26" ZPD panel
ACER	M170EG01 V8	BN07-00221A	ATZ		AU TN PSWG type new Panel (8msec) ZPD code derivation
ACER	T260XW02	BN07-00233A	AMZ		AUO 26" Panel new (Cosmetic spec down grade)
ACER	T315XW01	BN07-00234A	AMZ		AUO 32" Grade new (Cosmetic spec down grade)
ACER	M190EN03	BN07-00224A	AMZ		AU Monitor 19" MVA new code derivation
ACER	T315XW01	BN07-00237A	AMZ		LCD TV VE project new
ACER	T315XW01	BN07-00238A	AMZ		LCD TV VE project new
ACER	M201UN02 V3	BN07-00168A	AMZ		
ACER	M201UN02 V3	BN07-00168B	AMH		
ACER	M190EN04 V7	BN07-00248A	ATZ		AU Monitor 19" TN Glare ZPD new code derivation
ACER	A070VW01	BN07-00235A	ATZ		electronic Album new Panel code
ACER	T315XW01	BN07-00253A	AMZ		LCD TV VE item model : T315XW01
ACER	T260XW02	BN07-00254A	AMZ		AUO 26" VE item model
ACER	M170EU01	BN07-00260A	ATZ		AUO 17" Slim TN ZPD Type 1/2" code /EÄ»ý
ACER	T370XW01	BN07-00255A	AMZ		ROME 37" model
CHIMEI	M170E3-L01	BN07-00050A	CA		TN PANEL
CHIMEI	M150X3-L01	BN07-00051A	CB		COMPATIBLE
CHIMEI	M170E4-L01	BN07-00052A	CC		MVA PANEL
CHIMEI	M150X2-L01	BN07-00066A	CD		CHIMEI 15" PVA PANEL
CHIMEI	M150X3-L01	BN07-00079A	CE		Chimei ZPD panel
CHIMEI	M170E3-L01	BN07-00103A	CF		ZPD Panel code
CHIMEI	M170E4-L01	BN07-00104A	CG		ZPD Panel code
CHIMEI	V296W1-L01	BN07-00120A	CH		MVA
CHIMEI	M170E6-L02	BN07-00126A	CJ		HIGHLAND 17" LOW PANEL
CHIMEI	M190E2-L01	BN07-00131A	CK		GH19AS,BS CHIMEI PANEL
CHIMEI	M150X4-L06	BN07-00137A	CL		15" Narrow & Slim panel
CHIMEI	M170E6-L01	BN07-00133A	CM		"2003-03-11 vendor change"
CHIMEI	M170E6-L01	BN07-00133B	CN		ZPD derivation panel
CHIMEI	V201V1-T01	BN07-00135A	CP		CHIMEI 20.1" panel development
CHIMEI	M170E6-L02	BN07-00126B	CQ		"HIGHLAND 17"" LOW PANEL ZPD derivation panel"
CHIMEI	M170E6-L05	BN07-00152A	CR		"CMO 17"" new panel development code"
CHIMEI	M170E6-L05	BN07-00152B	CS		"CMO 17"" ZPD panel code derivation"
CHIMEI	M150X4-L06	BN07-00137B	CT		Chimei 15" Narrow & Slim panel ZPD derivation
CHIMEI	M170E5-L05	BN07-00165A	CTH		CMO 17" new panel development code (GOYA2-PJT)
CHIMEI	M170E5-L05	BN07-00165B	CTZ		CMO 17" ZPD panel(GOYA2-PJT)
CHIMEI	V230W1-L02	BN07-00209A	CMZ		CMO 23" development
CHIMEI	V320B1-L01	BN07-00207A	CMZ		CMO 32" development
CHIMEI	V270W1-L01	BN07-00136A	CMZ		CHI MEI 27" panel development
CHIMEI	M190E5-L0A	BN07-00213A	CTZ		
CHIMEI	M190E3-L0A	BN07-00212A	CMZ		CMO M190E3-L0A MVA Type new code
CHIMEI	M170E7-L01	BN07-00232A	CTZ		CMO 17" Slim TN ZPD Type new code
CHIMEI	M190A1-L01	BN07-00228A	CTZ		CMO 19" Wide TN ZPD Type new code
NEC	SVA150XG04TB	BN07-00225A	BTZ		SVA NEC 15" panel ZPD code

2 Product Specifications

2-1 Special Features

- HDMI/DVI, PC(Analog), 1 Component,
2 SCART, 1 Composite, S-Video, RF
- Brightness : 23" : 450cd/§³, 26" : 500cd/§³
- Contrast Ratio : 23" : 700:1, 26" : 800:1
- Response time : 8ms



2-2 LE23R32B Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 23-Inch viewable, 0.372 (H) x 0.372(V)mm pixel pitch	
Scanning Frequency	Horizontal : 43 kHz ~ 53kHz Vertical : 60 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1360 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm 5\%$ positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	84 MHz	
Active Display Horizontal/Vertical	508.152 mm / 285.696 mm	
AC power voltage & Frequency	AC 220-240V, 50 Hz	
Power Consumption	< 100W (< 1W, stand by)	
Dimensions(W x D x H) Set	583.0 mm x 206.0 x 484.7 mm (After installation of Stand)	
Package	583.0 x 90.0 x 443.0 mm (Without Stand)	
	680.0 x 237.0 x 579.0 mm	
Weight Set	8.6 kg (After installation of Stand)	
Package	11.4 kg	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
TV System	Tunning	Frequency Synthesize
	System	PAL/SECAM
	Sound	NICAM , A2 STEREO
Antena Input	75 Ω	
Sound Characteristic	- MAX Internal speaker Out : Right => 3W, Left => 3W - BASS Control Range : -8 dB ~ +8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	

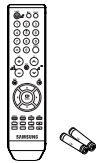
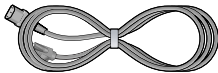
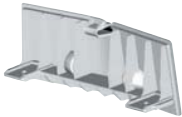
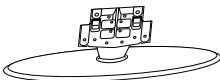
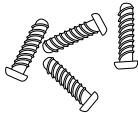
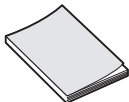

2-3 LE26R32B Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 26-Inch viewable, 0.1405(H) x 0.4215(V)mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16.2 Million colors	
Maximum Resolution	Horizontal : 1360 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm 5\%$ positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	84 MHz	
Active Display Horizontal/Vertical	575.44(H) x 373.71(V)	
AC power voltage & Frequency	AC 220-240V, 50 Hz	
Power Consumption	< 120W (< 1W, stand by)	
Dimensions(W x D x H) Set	662.0 x 206.0 x 539.0 mm (After installation of Stand)	
Package	662.0 x 94.0 x 497.8 mm (Without Stand)	
	770.0 x 247.0 x 642.0 mm	
Weight Set	11.3 kg (After installation of Stand)	
Package	16.8 kg	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 %	
TV System	Tunning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Antena Input	75 Ω	
Sound Characteristic	- MAX Internal speaker Out : Right : 5W / Left : 5W - BASS Control Range : -8 dB ~ + 8dB - TREBLE Control Range : -8 dB ~ +8 dB - Headphone Out : 10 mW MAX - Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz	

2-4 Spec Comparison

Model	LE23R71B / LE23R71W	LE23R32B / LE26R32B
Design		
Frequency Horizontal Vertical Display Color	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 colors	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 colors
PC Resolution Maximum mode	1360 x 768 / 60 Hz	1360 x 768 / 60 Hz
Input Signal Sync Signal Video Signal	H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm	H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75ohm
Power Consumption Normal Power Saving	100 W <1.5W, Stand by	100 W / 120 W <1W, Stand by
Input source Difference	HDMI	HDMI
PIP	PIP(PC Only)	PIP(PC Only)
Sound	3W	3 W / 5 W

2-5 Option Specification

Item	Item Name	Code.No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-00488A	
	Power Cord	3903-000145	
	Cover-Bottom	BN63-01674B	
	Stand	BN96-01727B	
	Stand Screw (4 ea)	6002-001294	
	Owner's Instructions	-	
	Warranty Card / Registration Card /Safety Guide Manual (Not available in all locations)	-	

3 Alignments and Adjustments

3-1 General Alignment Instruction

1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

3-2 Factory Mode Adjustments

3-2-1 Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

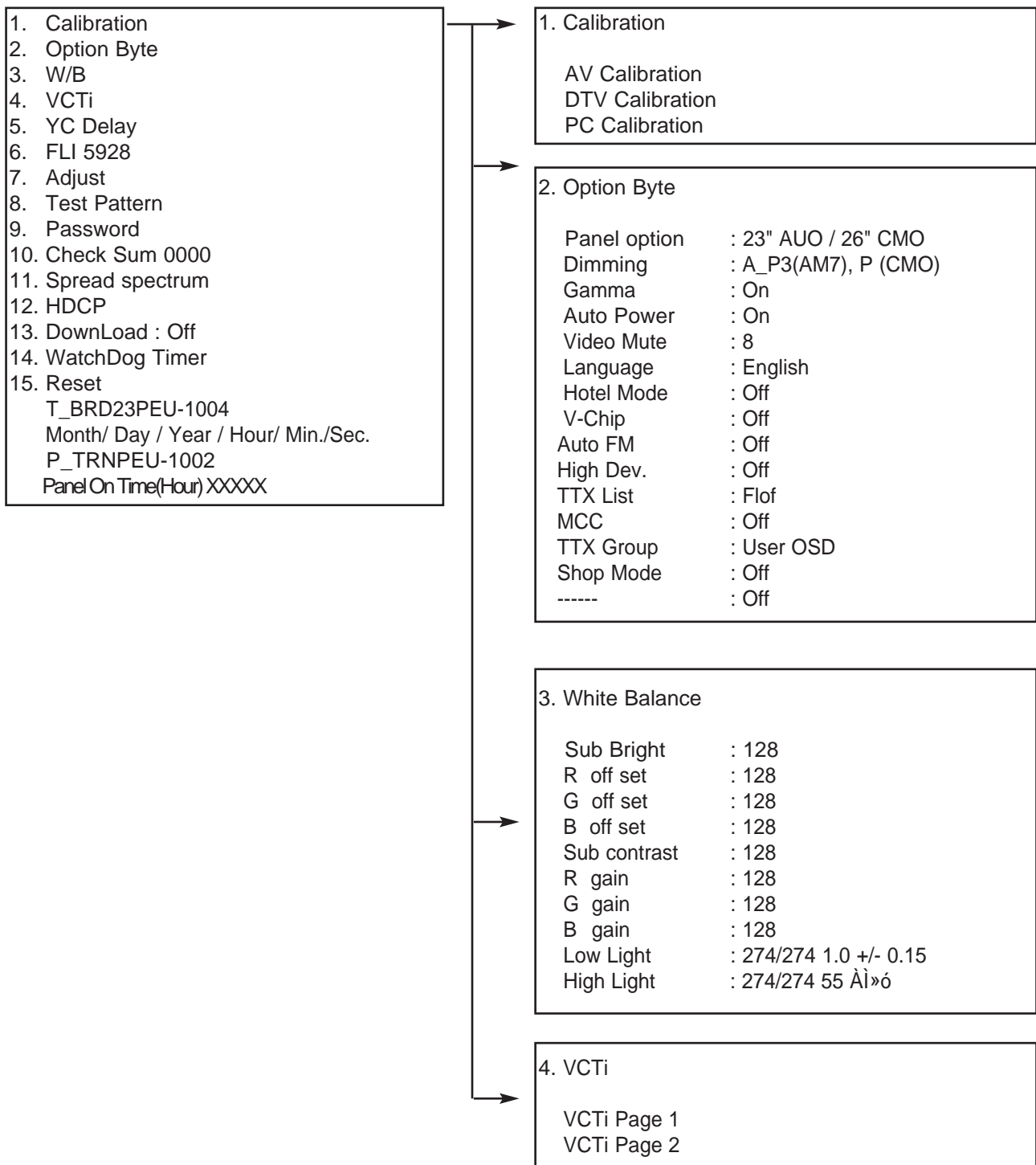
- If you do not have Factory remote - control



3-2-2 Factory Mode Tree

- If you have Factory remote - control

[INFO] -> [FACTORY]



1. Calibration
 2. Option Byte
 3. W/B
 4. VCTi
 5. YC Delay
 6. FLI 5928
 7. Adjust
 8. Test Pattern
 9. Password
 10. Check Sum 0000
 11. Spread spectrum
 12. HDCP
 13. DownLoad : Off
 14. WatchDog Timer
 15. Reset
- T_BRD23PEU-1004
 Month/ Day / Year / Hour/ Min./Sec.
 P_TRNPEU-1002
 Panel On Time(Hour) XXXXX

5. YC Delay

RF PAL-B/G	: 5
RF PAL-D/K	: 6
RF PAL-I	: 5
RF PAL-L/L'	: 5
RF SECAM-B/G	: 2
RF SECAM-D/K	: 0
RF SECAM-I	: 2
RF SECAM-L/L	: 5
RF NTSC 3.58	: 5
RF NTSC 4.43	: 5
AV PAL	: 5
AV SECAM	: 2
AV NTSC 3.58	: 5
AV NTSC 4.43	: 5
AV PAL 60	: 5

6. FLI 5928

1. Component Calibration--(ADC)
2. PC Calibration--(ADC)
3. ACC/ACM
4. TNR
5. Picture Enhance
6. Calibration Target

7. Adjust

User Control Initial
 LNA PLUS
 Hotel Option

8. Test Pattern ----- 0

9. Password : 80 80 80 80

10. Check Sum : XXXX

11. Spread Spectrum

Spread Spectrum	: ON
Spread Spectrum Range	: 3
Step	: 12
LVDS_ICTRL	: 0
Memc Clk Freq0	: 122
Memc Clk Freq1	: 180
Sdram Clk Delay	: 81
Sdram Drive0	: 52
Sdram Drive1	: 51

12. HDCP : XXXX

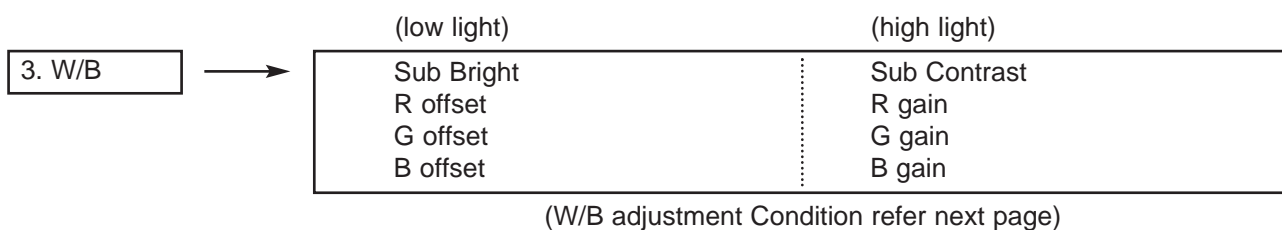
13. DownLoad On/Off
 14. WatchDog Timer Off
 15. Reset

3-3 White Balance - Calibration

3-3-1 White Balance -Calibration



3-3-2 White Balance - Adjustment



3-3-3 Conditions for Measurement

1. On the basis of toshiba ABL pattern : High Light level (57 IRE)
 - INPUT SIGNAL GENERATOR : MSPG-925LTH
 - * Mode NO 2: 768 x 575 @ 50Hz(PAL composite)
 - NO 6 : 1280 x 720 @ 60 Hz (Component 720P)
 - NO 21 : 1024 x 768 @ 60 Hz
 - * Pattern NO 24: chess pattern
 - NO 16 : Toshiba ABL Pattern
 - NO 17 : 16 gray
2. Optical measuring device : CA210 (FL)
 - Please use the MSPG-925 LTH generator for model LE23R71BX.

3-3-4 Method of Adjustment

1. Adjust the basic level of A/V and Component and PC input signals.

a) Set the input to the mode in which the adjustment will be made(A/V -> Component -> PC).

* Input signal - A/V Mode : Mode#2(768 x 575@50Hz), Pattern #24 (picture 3-1)

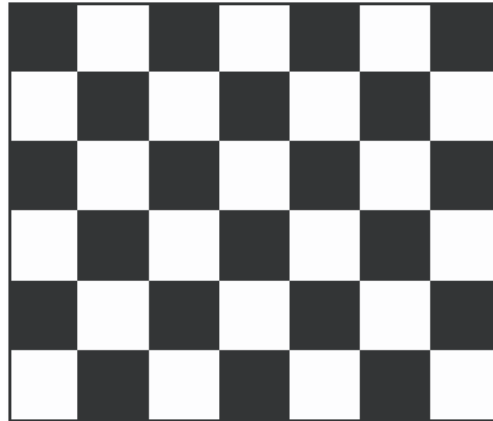
- Component Mode : Model # 6 (1280*720 @ 60Hz) , Pattern #15 (picture 3-2).

- PC Mode : Model #21 (1024*768 @ 60Hz) , Pattern #17 (picture 3-3).

b) Enter Factory Calibration (A/V , DTV , PC Mode Only).

* AV Calibration -> Source change for Component -> DTV Calibration -> Source change for PC -> PC Calibration

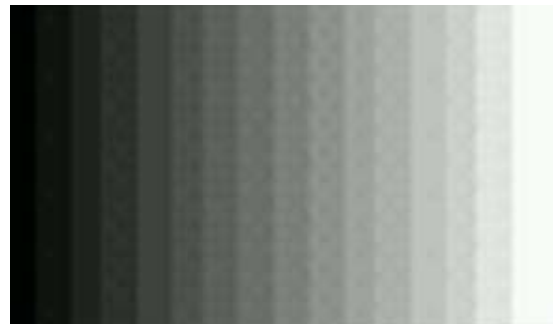
Picture 3-1 Chess pattern



Picture 3-2 Color bar



Picture 3-3 16gray



2. Adjust the white balance of AV, Component and DVI Modes.

a) Set the input to the mode in which the adjustment will be made (AV → Component → DVI).

* Input signal - VIDEO Mode : Model #1 (744*484 Mode), Pattern #16

- Component, DVI Mode : Model #6 (1280*720 Mode), Pattern #16

b) Enter factory W/B.

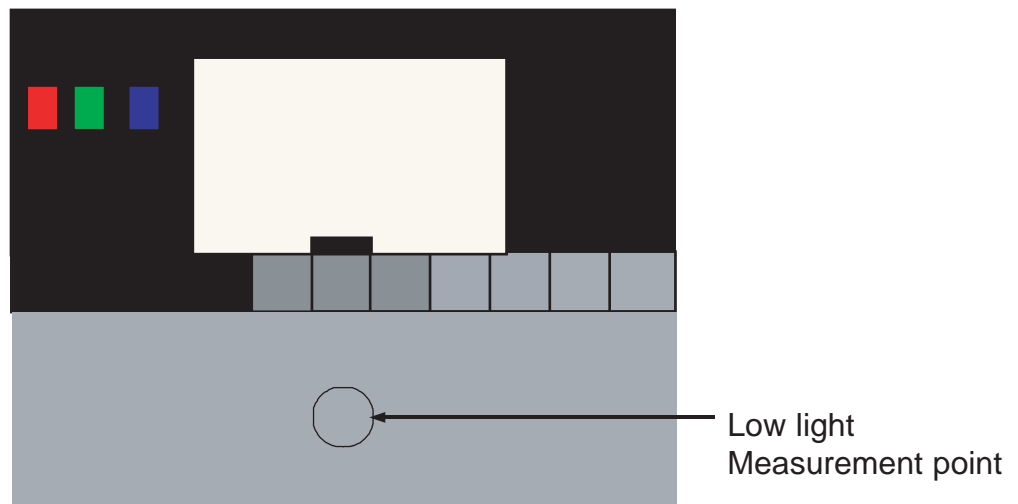
c) Adjust the low light.

- Adjust sub - Brightness to set the 'Y' value.

- Adjust red offset ('x') and blue offset ('y') to the color coordinates. (x : 263, y : 267, Y : 1.3 ft)

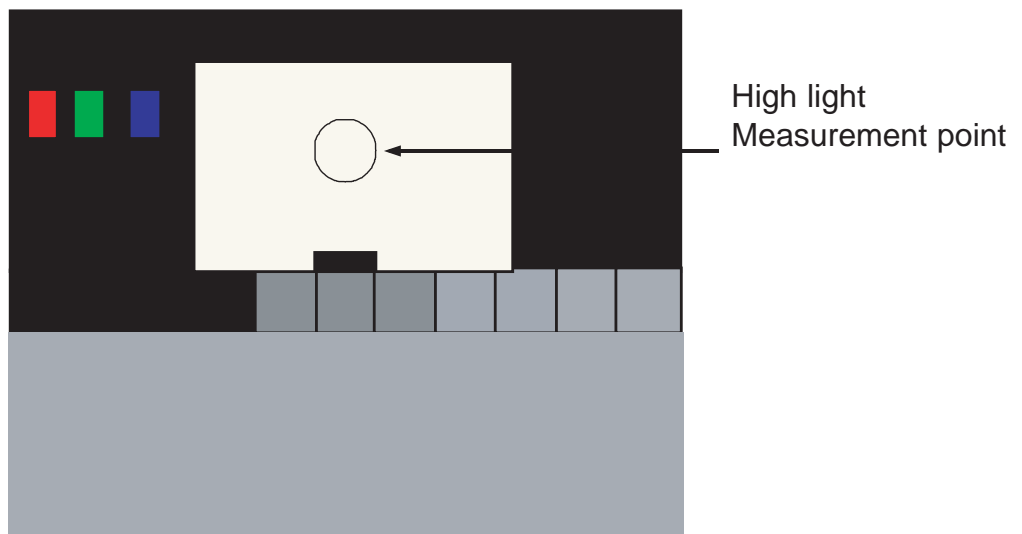
* Do not adjust green offset data.

Picture 3-3 Toshiba ABL Pattern



- d) Adjust the high light. (Refer to table 1, 2 in adjustment position by mode)
- Adjust red gain ('x') and blue gain ('y') to the color coordinates. (x : 263, y : 267)
 - * Do not adjust the green gain and sub-contrast (Y) data.

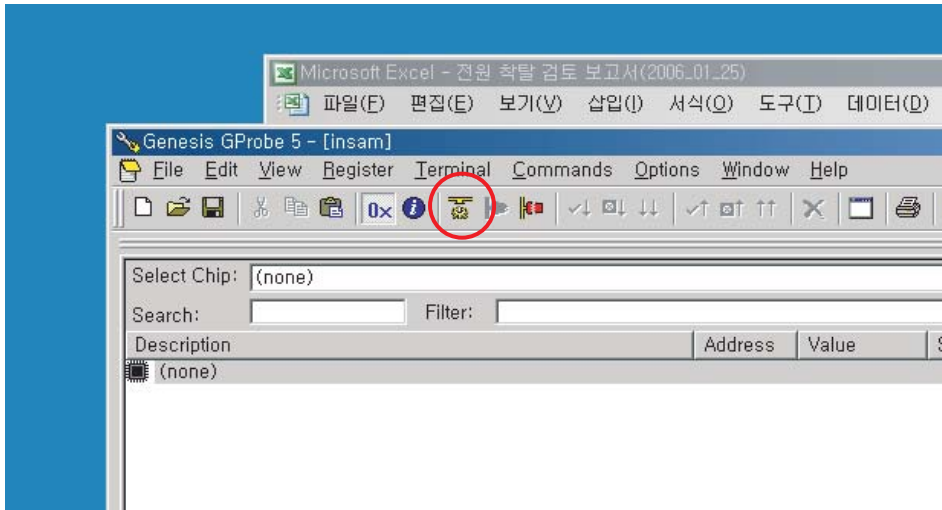
Picture 3-4 Toshiba ABL Pattern



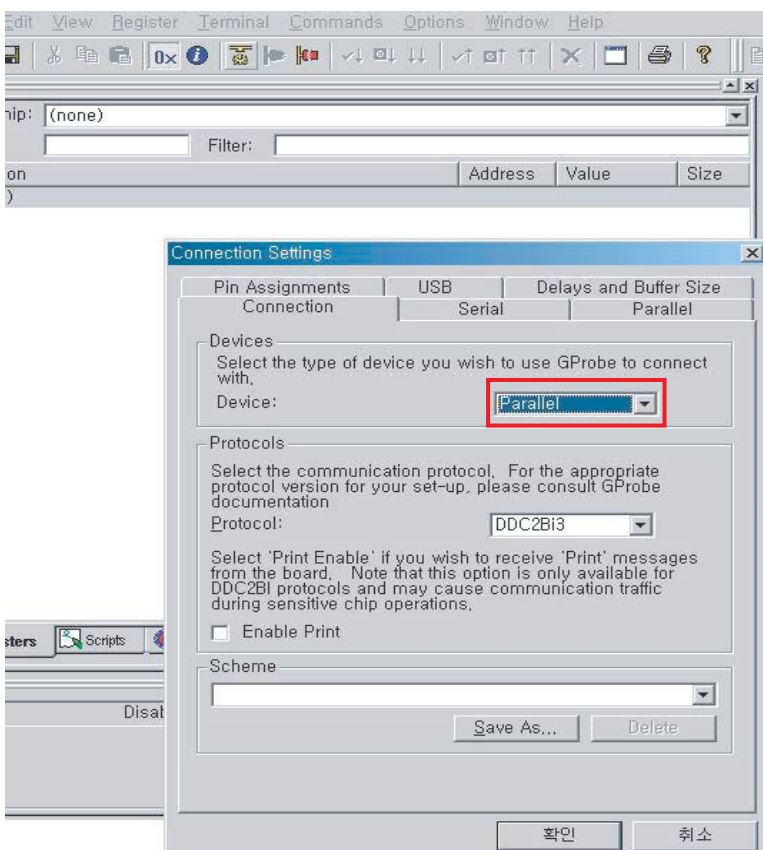
3-4 Bordeaux Micom Update

3-4-1 Installing G-Probe

1. Uncompress GProbe5.1.0.18.zip.
2. Run GProbe5.1.0.18.exe.
3. The files are created in the C:\WProgram Files\WGenesis Microchip\WGProbe 5 folder.
4. Copy the ispoak_spi.hex file to the C:\WProgram Files\WGenesis Microchip\WGProbe 5 folder.
5. Copy the bordeaux.txt, torino.txt file to the C:\WProgram Files\WGenesis Microchip\WGProbe 5 folder.
(bordeaux.txt or torino.txt have the command list to download. The file name should be changed.)
6. Execute the 'Gprobe 5'
7. Click the 'connection settings' button.

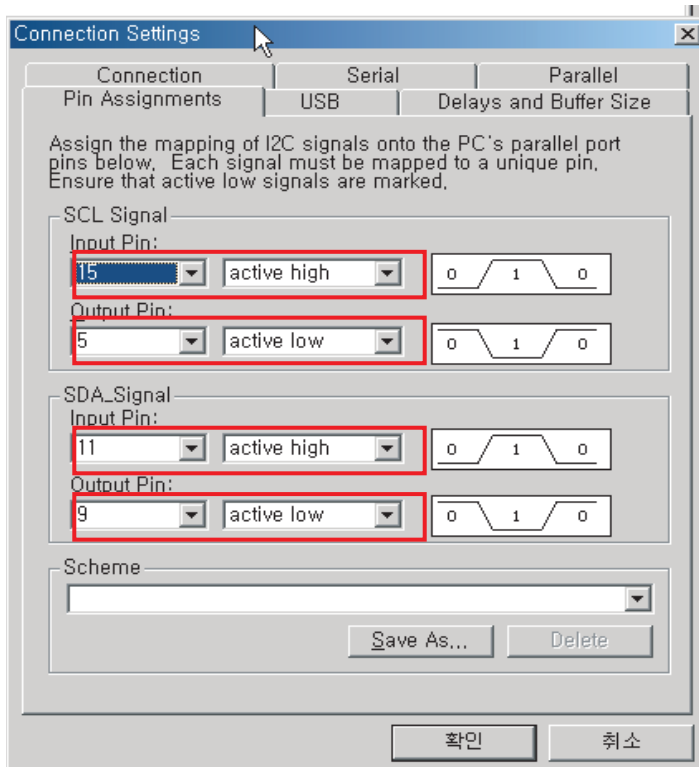


8. Change the connection from 'Serial' to 'Parallel'



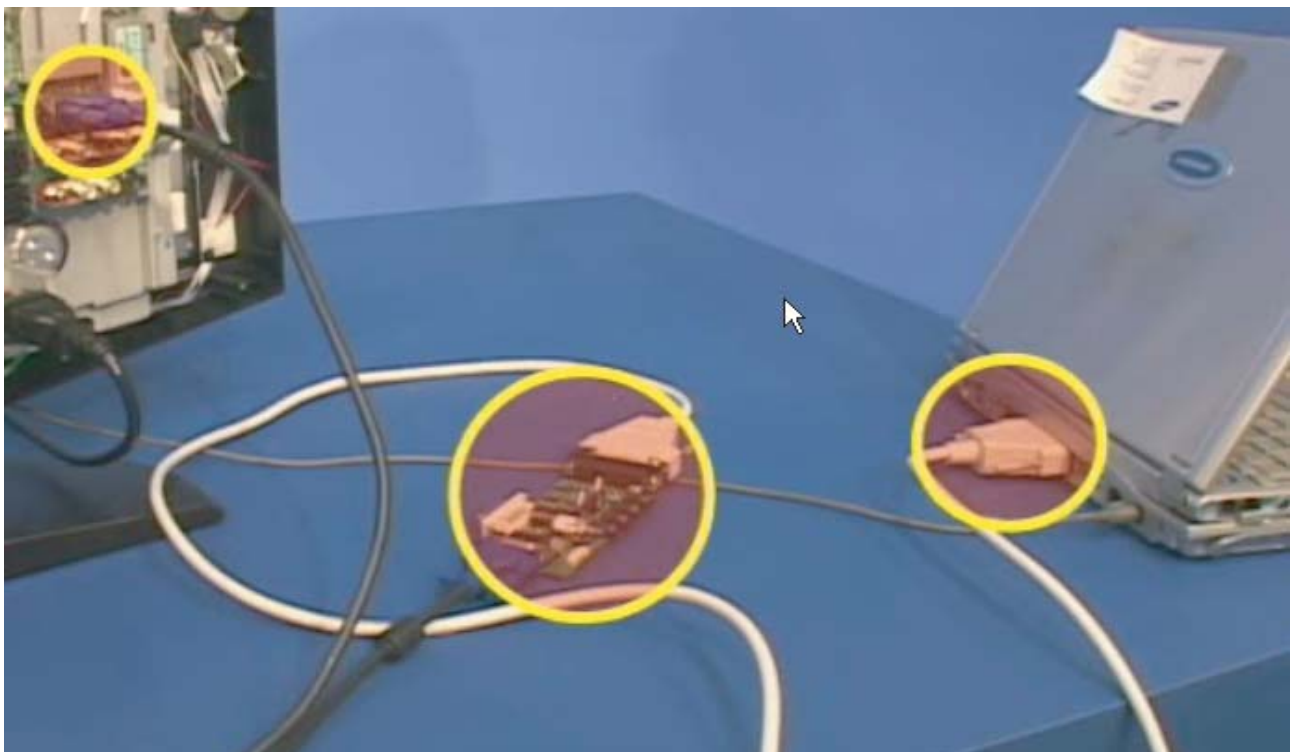
3 Alignments and Adjustments

9. Set the 'Pin assignments'



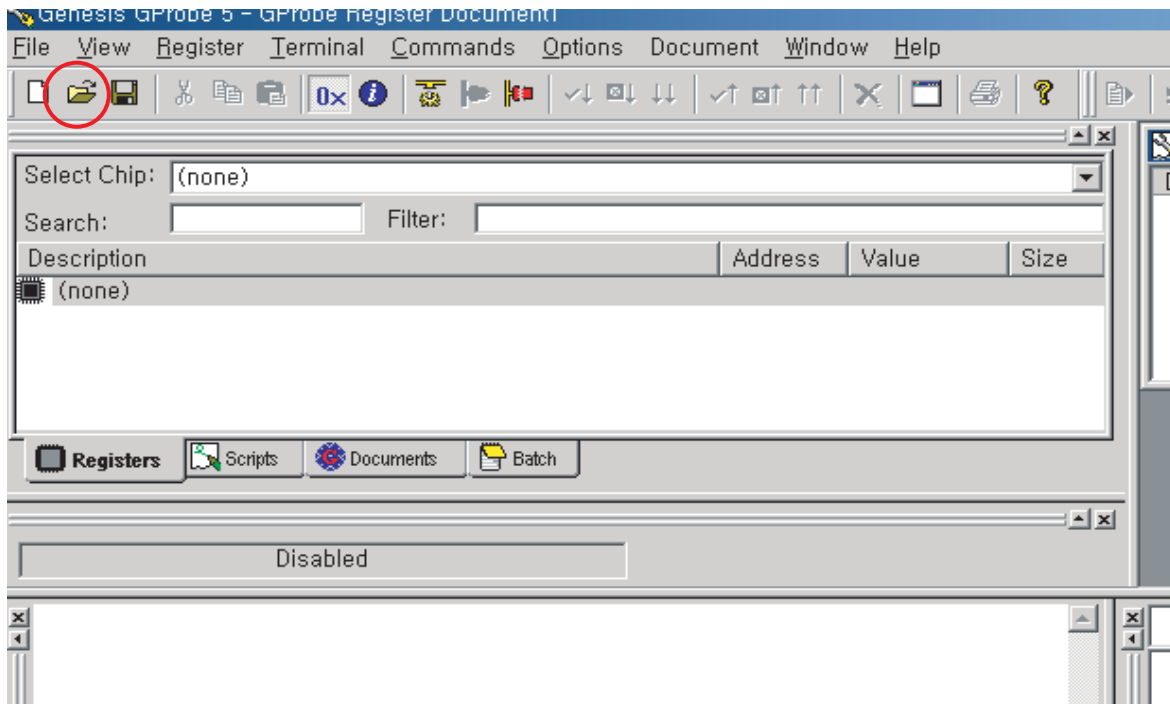
3-4-2 Connecting the download JIG to the MAIN PCB

Connect the DDC manager from Parallel of PC to D-sub of set.

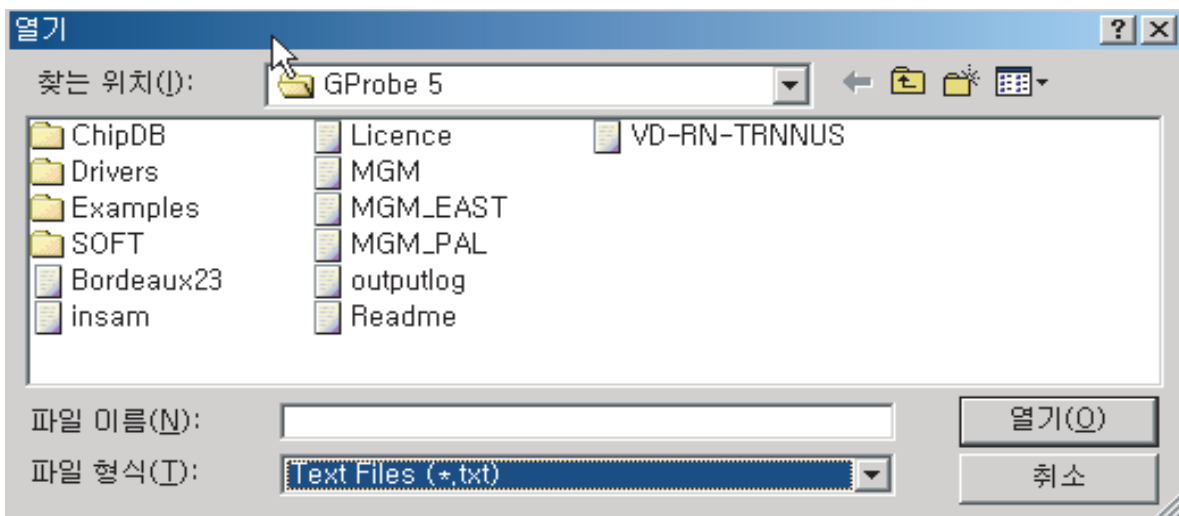


3-4-3 Update Procedures

1. Execute the 'Gprobe 5'
2. Open the command list file(ex. bordeaux.txt or torino.txt. The file name should be changed.)

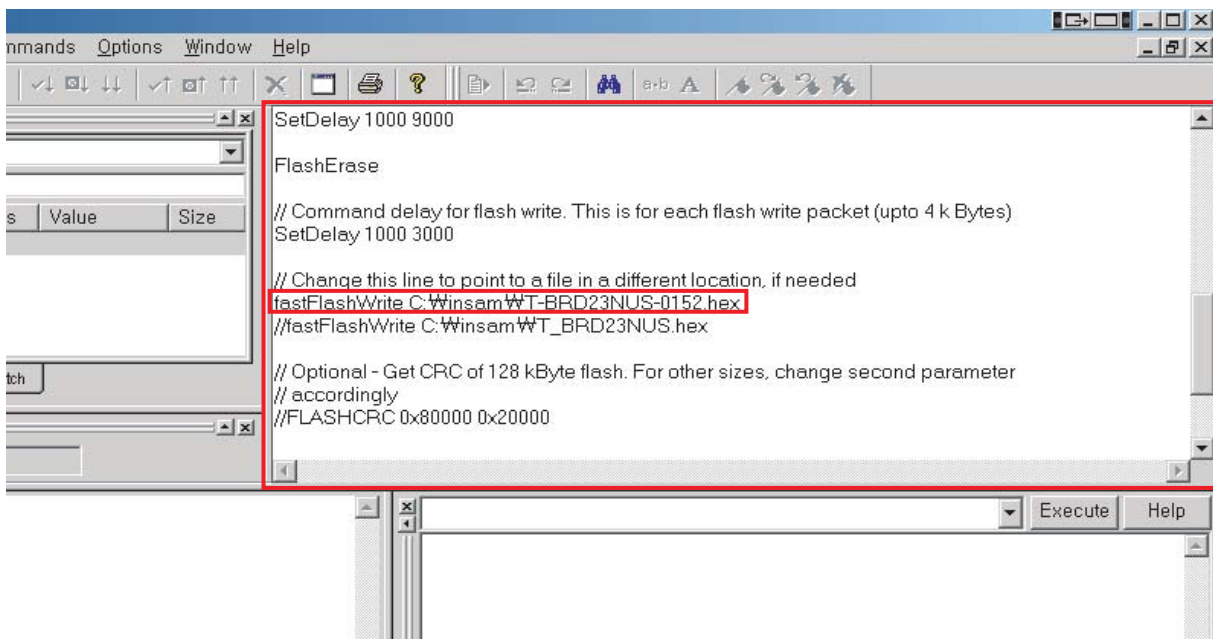


- 1) Click the Button to open the file>



- 2) Open the command list file.

3 Alignments and Adjustments



3) You can see the file contents. It's command lists. (In this case the command file is insam.txt for example.)

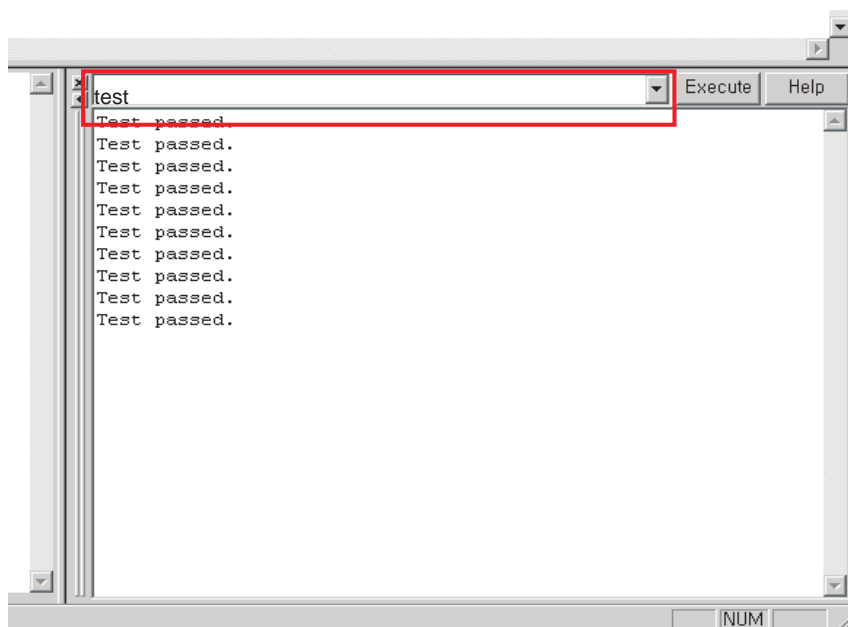
4) Check the the SOFT name and path to download. (For example T-BRD23US-0152.hex is used at insam folder in C driver)

3. Enter to '13.download' mode in service menu.

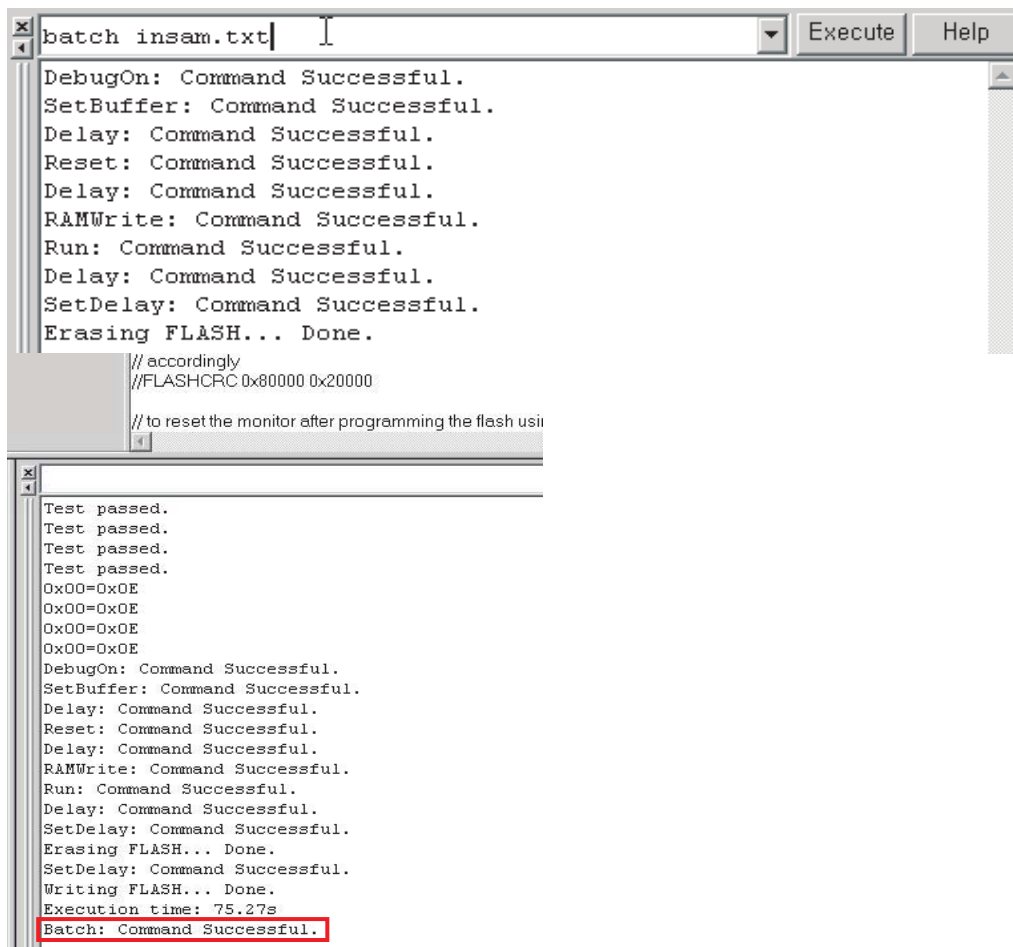
4. Check the connection with 'test' command.

If you can get 'Test passed.' message, the connection is OK or else check the Jig cable.

5. Execute the command list file. For it enter 'batch file name.txt'.



If you can get 'Batch: command Successful' message Download is all done.

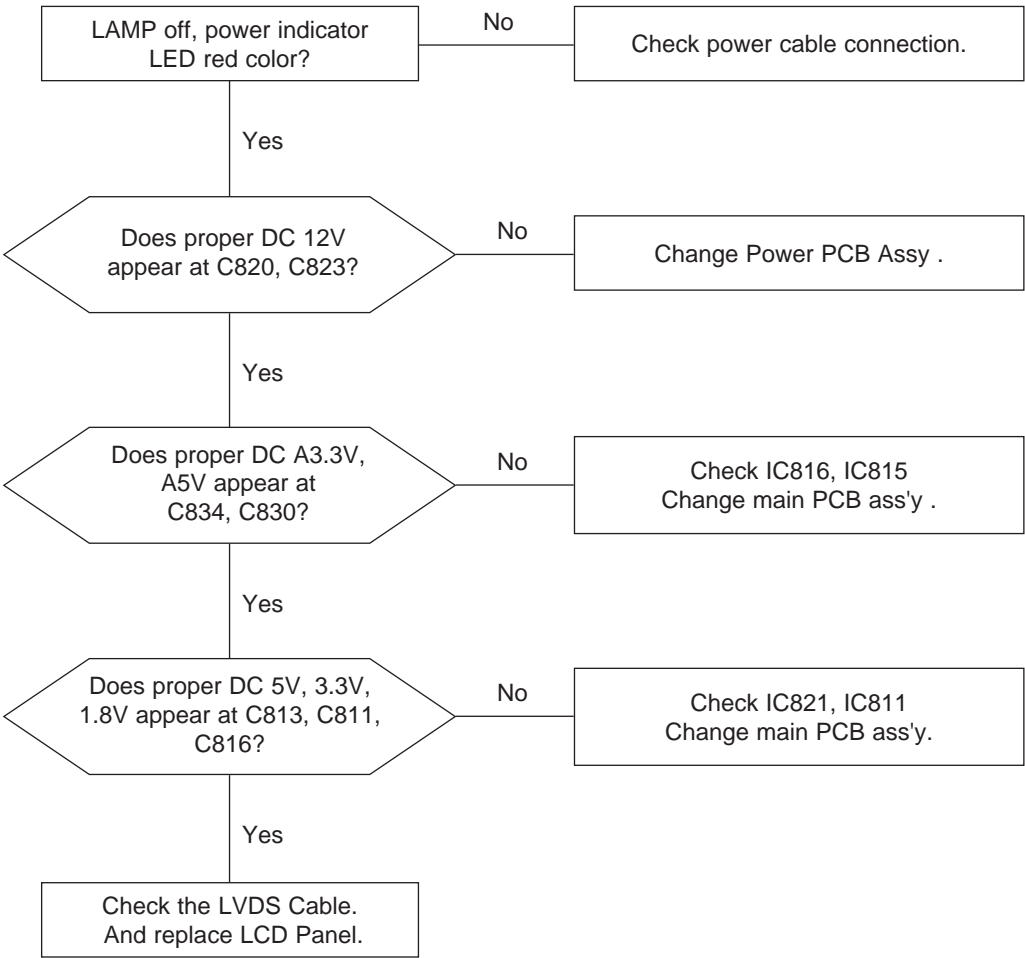


```
batch insam.txt
DebugOn: Command Successful.
SetBuffer: Command Successful.
Delay: Command Successful.
Reset: Command Successful.
Delay: Command Successful.
RAMWrite: Command Successful.
Run: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
Erasing FLASH... Done.
// accordingly
//FLASHCRC 0x80000 0x20000
//to reset the monitor after programming the flash usi

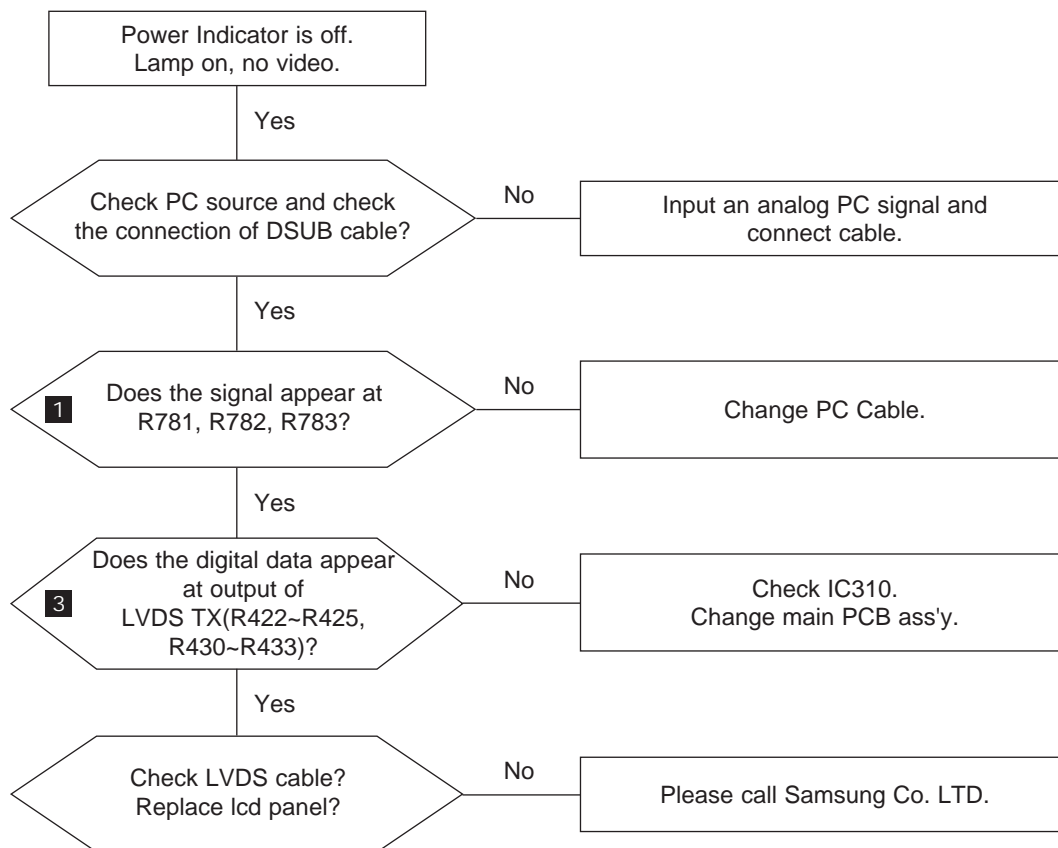
Test passed.
Test passed.
Test passed.
Test passed.
0x00=0x0E
0x00=0x0E
0x00=0x0E
0x00=0x0E
DebugOn: Command Successful.
SetBuffer: Command Successful.
Delay: Command Successful.
Reset: Command Successful.
Delay: Command Successful.
RAMWrite: Command Successful.
Run: Command Successful.
Delay: Command Successful.
SetDelay: Command Successful.
Erasing FLASH... Done.
SetDelay: Command Successful.
Writing FLASH... Done.
Execution time: 75.27s
Batch: Command Successful.
```

4 Troubleshooting

4-1 No Power

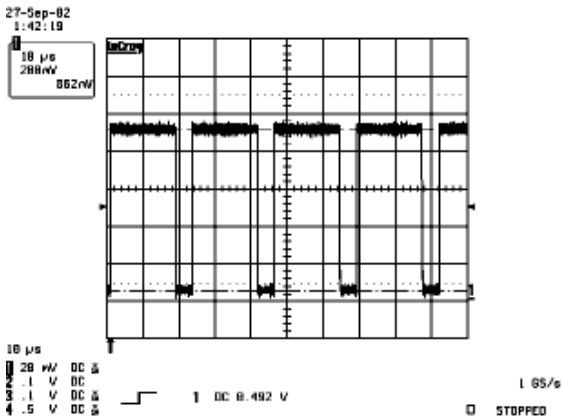


4-2 No Video (Analog PC Signal)

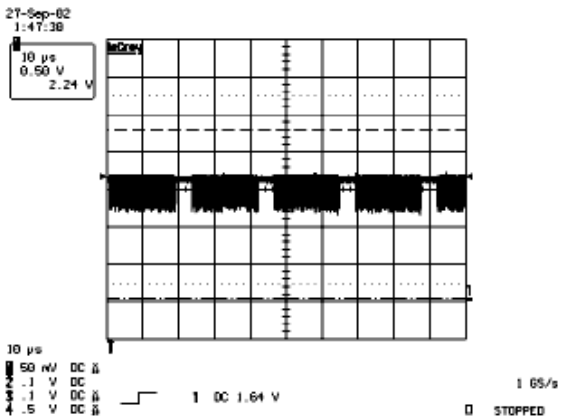


WAVEFORMS

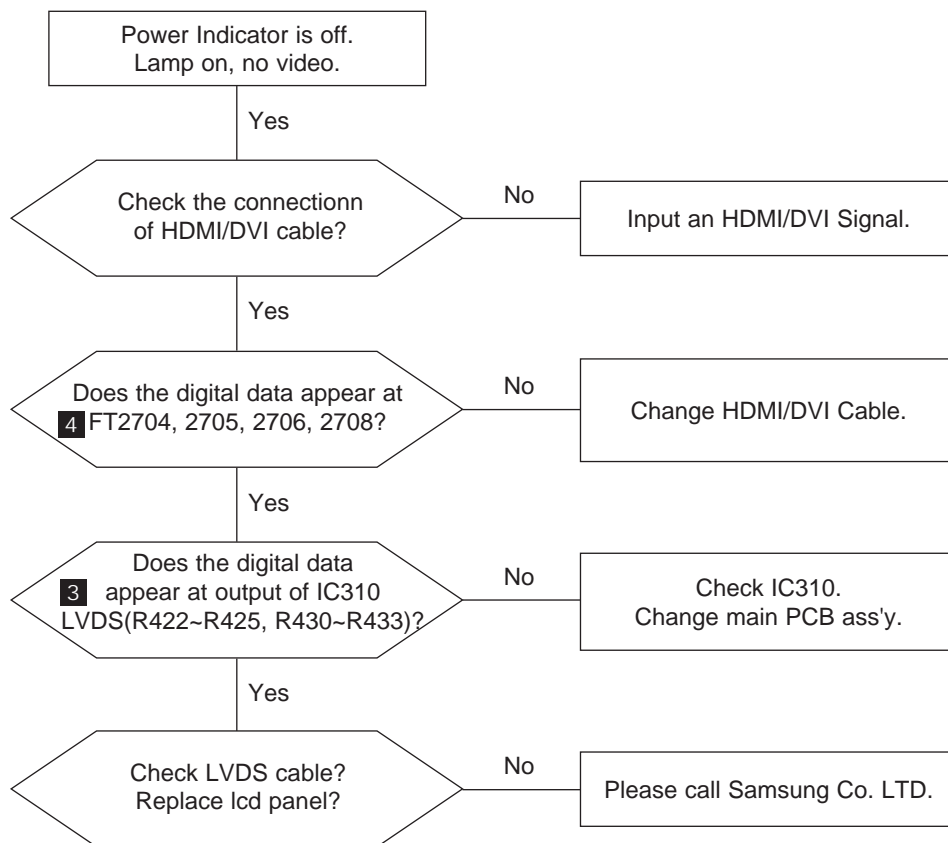
1 R,G,B Output Signal



3 Digital Output Data of IC310

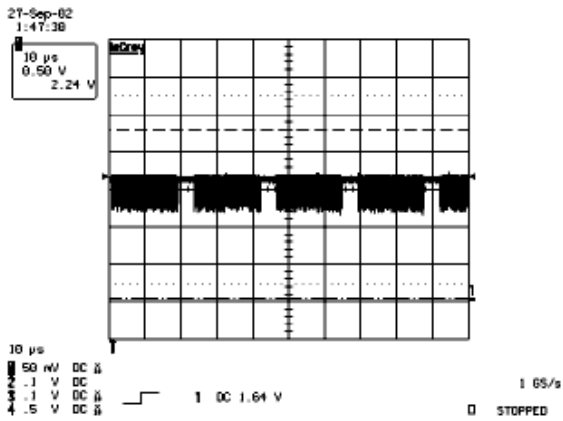


4-3 No Video (HDMI/DVI-Digital Signal)

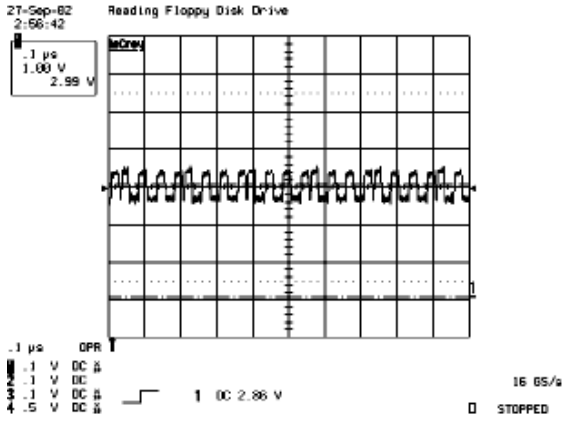


WAVEFORMS

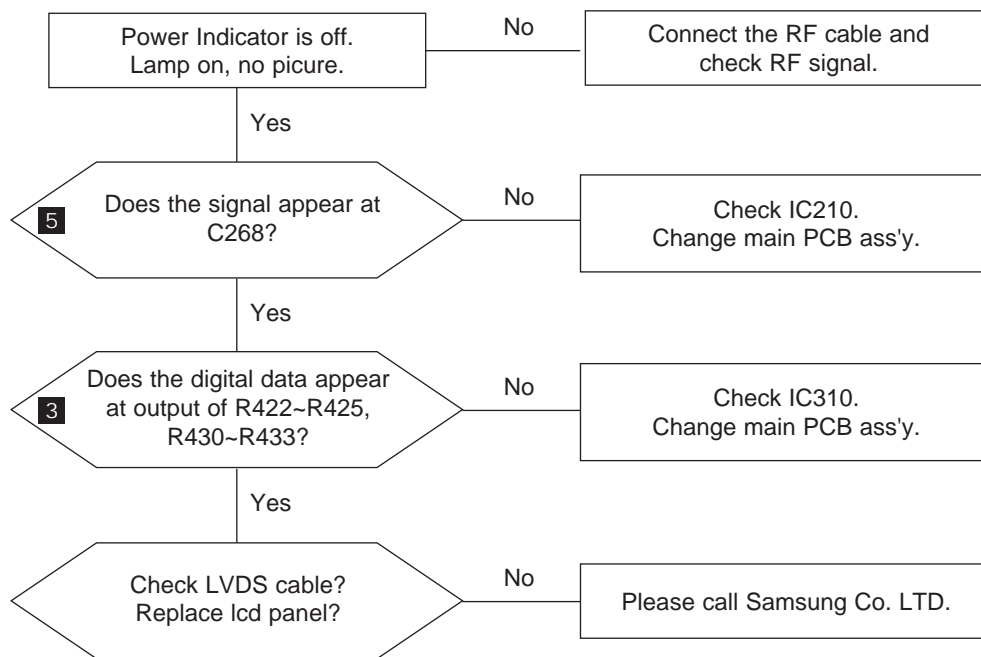
3 Digital Output Data of IC310



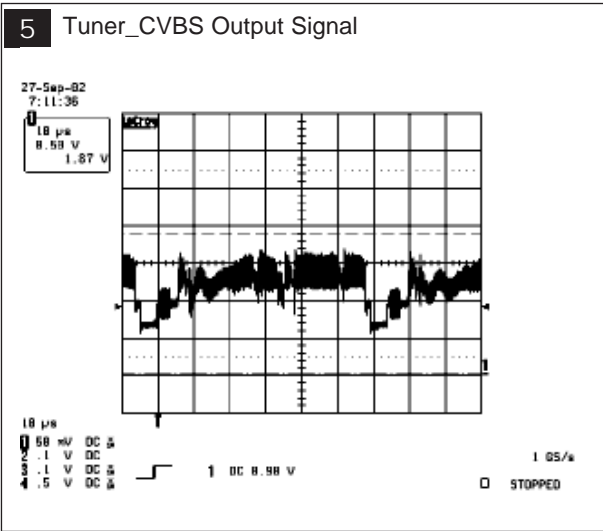
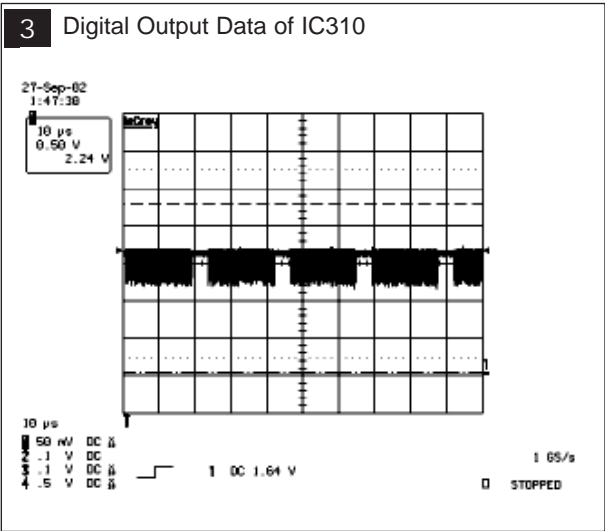
4 Signal of DVI(Data)



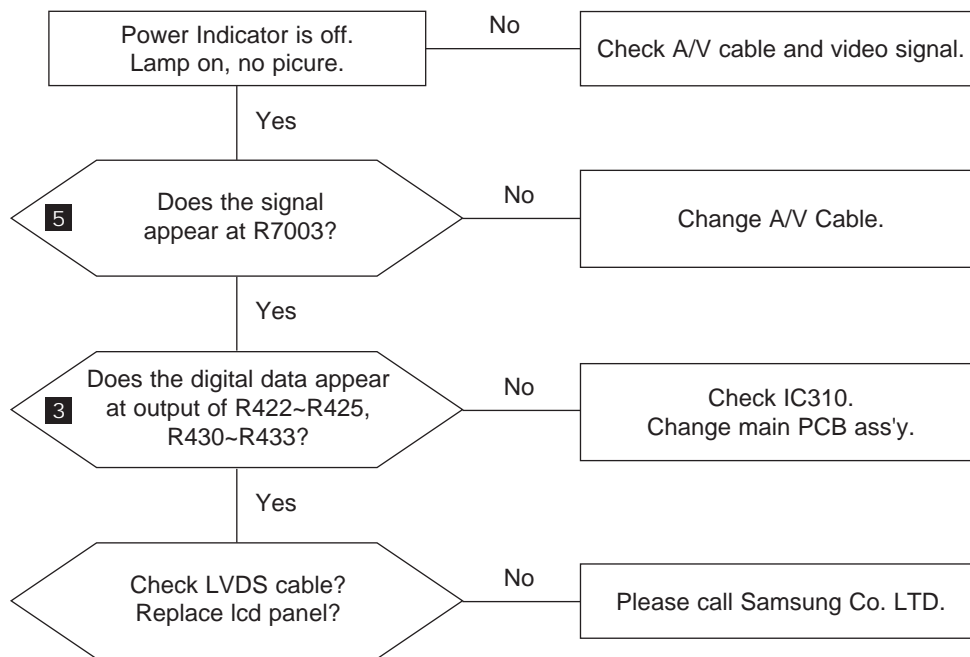
4-4 No Picture (Tuner_CVBS)



WAVEFORMS

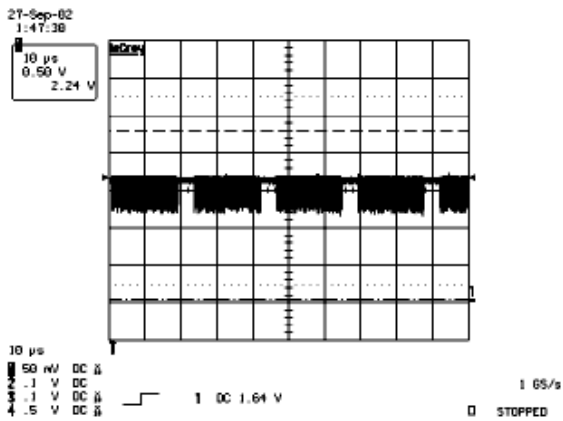


4-5 No Picture (Video_CVBS)

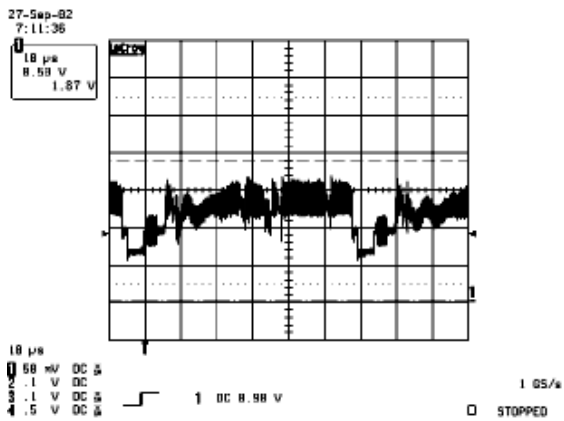


WAVEFORMS

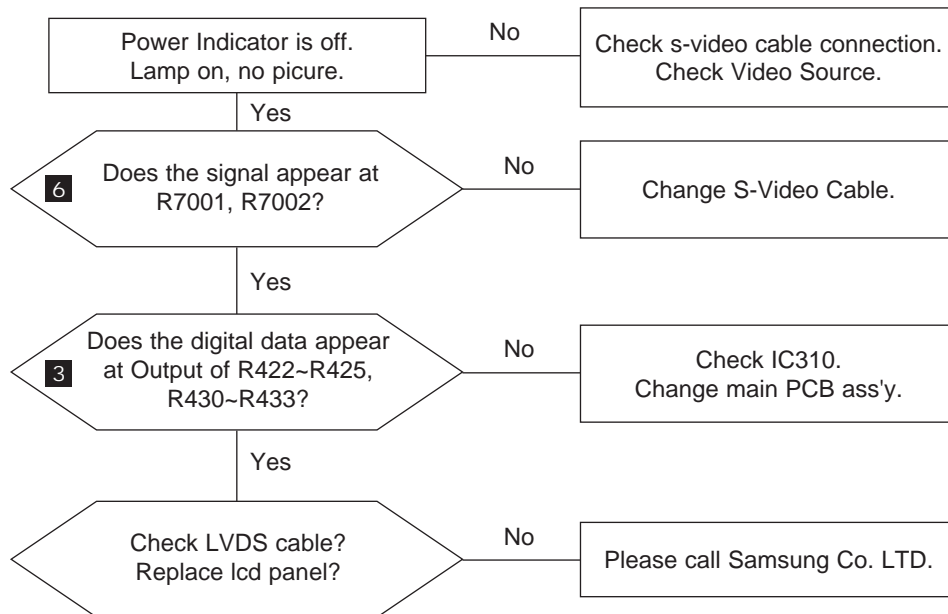
3 Digital Output Data of IC310



5 Tuner_CVBS Output Signal

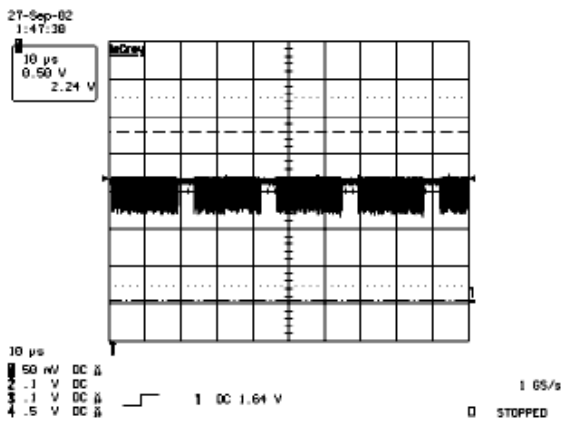


4-6 No Picture (S-VIDEO_Y,C)

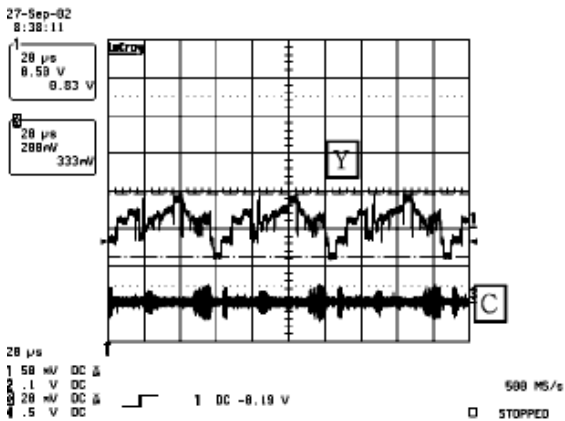


WAVEFORMS

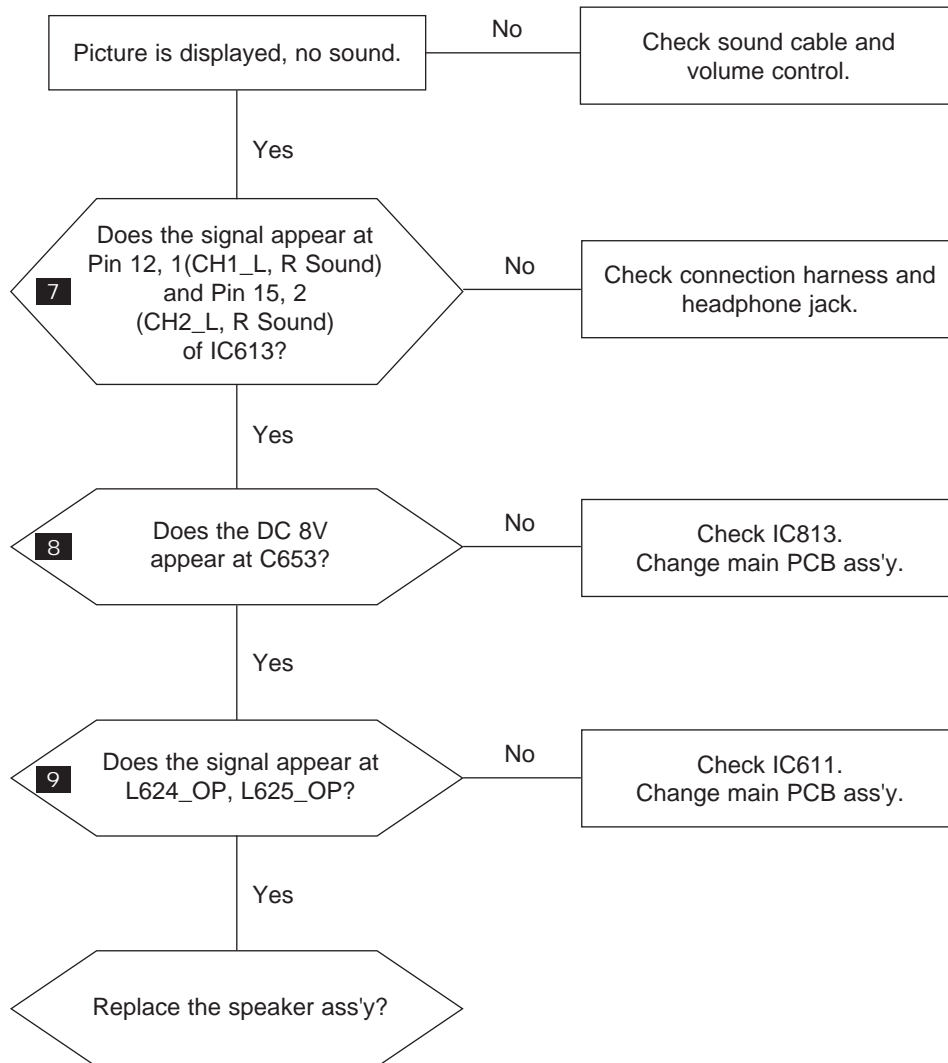
3 Digital Output Data of IC310



6 Analog Signal(Y,C)

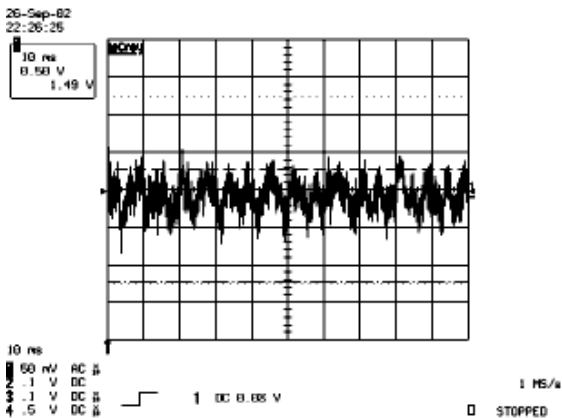


4-7 No Sound

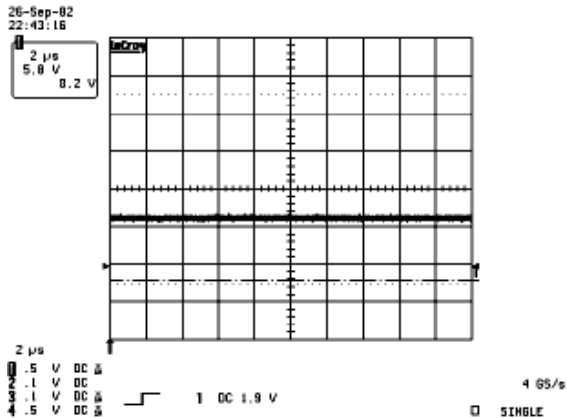


WAVEFORMS

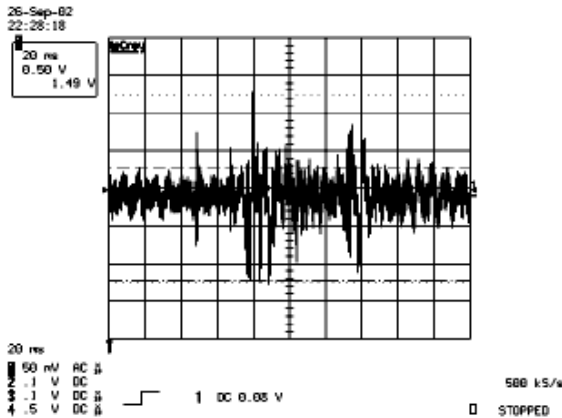
7 The Signal are Inputed to IC610



8 DC +8V



9 Output WaveForm

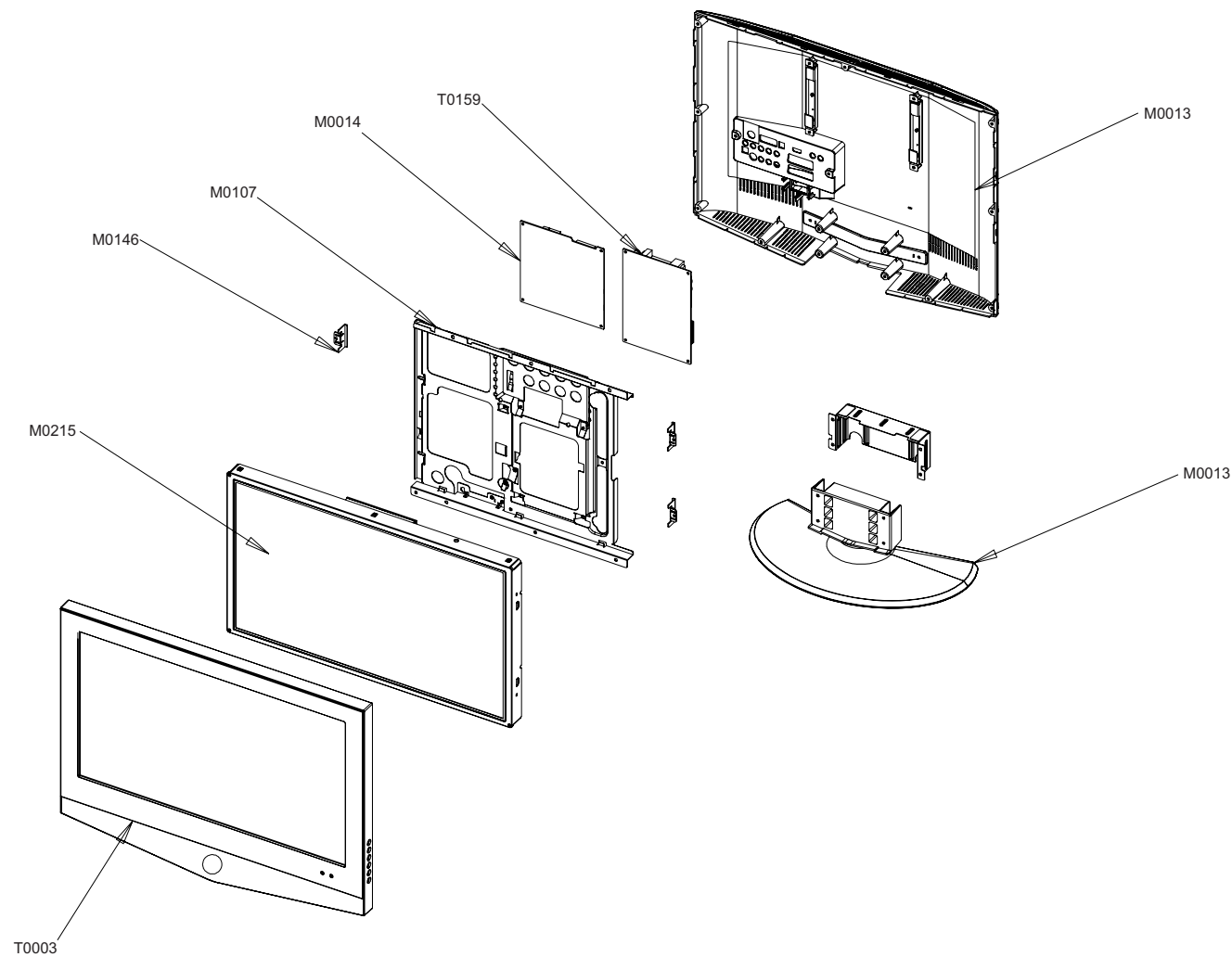


5 Exploded View and Parts List

- You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

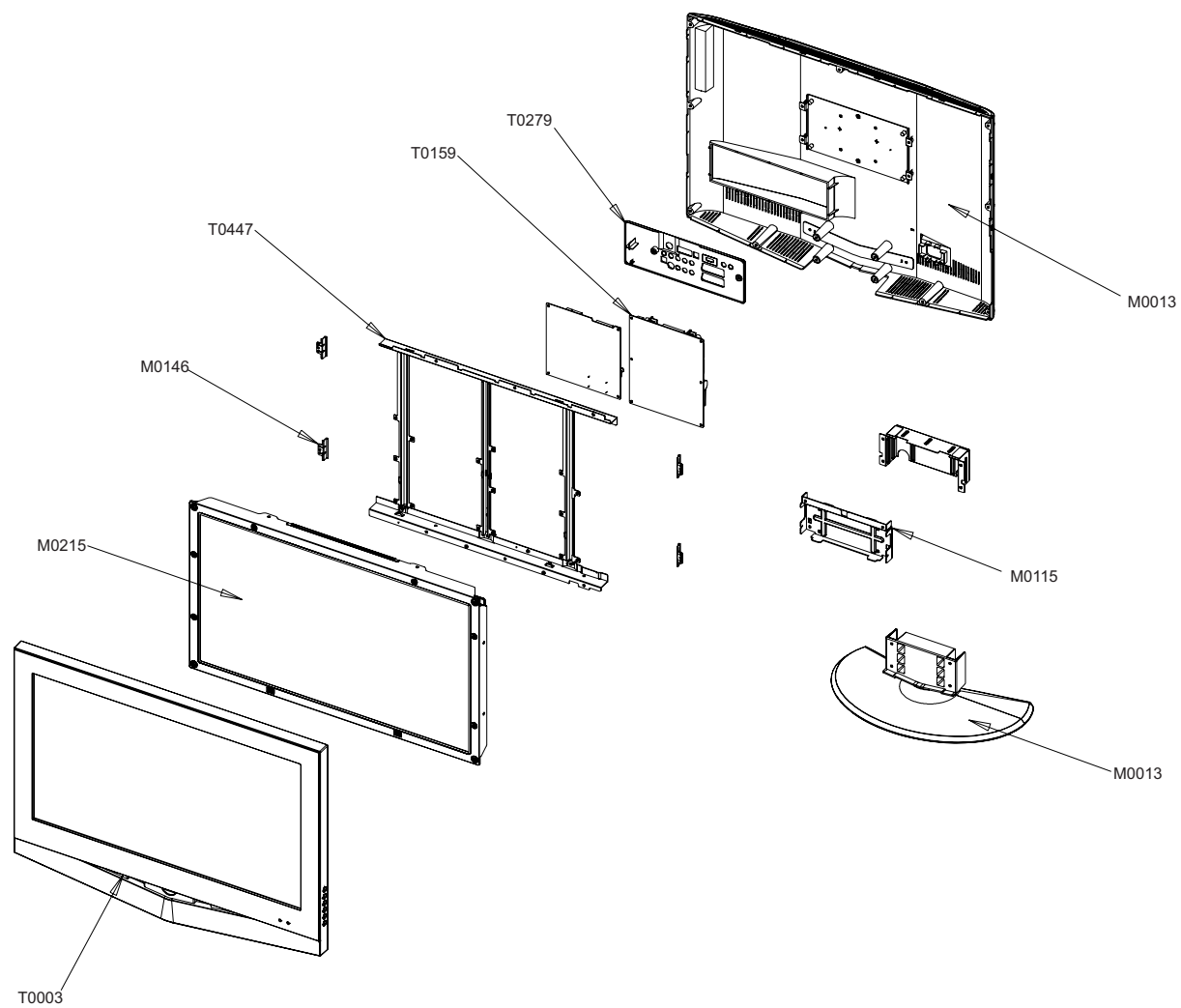
5-1 LE23R32B Exploded View



5-2 LE23R32B Parts List

Location.No	CODE-NO	SPECIFICATION & DESCRIPTION	Q'TY	SA/SNA
T0003	BN96-04529A	ASSY COVER P-FRONT;ROME-5,23EO,ABS+PMMA,	1	S.N.A
M0215	BN07-00365A	LCD-PANEL;T230XW01,8bit,23inch,16.7M,16:	1	S.A
M0107	BN61-02847A	BRACKET-PCB;ROME V 23",SECC,T1.0,EO,TORI	1	S.N.A
M0146	BN96-01882C	ASSY BOARD P-POWER & IR;ROME 26,CT5000-3	1	S.A
M0014	BN94-00847B	ASSY PCB MAIN;LE23R71BX/*	1	S.A
T0159	BN96-03642A	ASSY PCB P-SMPS;BRD23P,LE23,AC100V~AC240	1	S.N.A
M0013	BN96-04512A	ASSY COVER P-REAR;ROME-5,23EO,HIPS,V0,GR	1	S.N.A
M0013	BN96-01727B	ASSY STAND P-BASE;ROME3,26,23,HIPS,HB,GR	1	S.A

5-3 LE26R32B Exploded View



5-4 LE26R32B Parts List

Location.No	CODE-NO	SPECIFICATION & DESCRIPTION	Q'TY	SA/SNA
T0003	BN96-02488D	ASSY COVER P-FRONT;ROME-5,26EO,ABS,HB,BK	1	S.N.A
M0215	BN07-00364A	LCD-PANEL;V260B1-L01,6bit+FRC,26inch,16.	1	S.A
T0447	BN96-04504A	ASSY BRACKET P-PANEL;ROME-5,26EO,CMO TN	1	S.N.A
M0146	BN96-01882C	ASSY BOARD P-POWER & IR;ROME 26,CT5000-3	1	S.A
T0159	BN96-03833A	ASSY PCB P-SMPS;Sonoma27/32,LE32,AC100V~	1	S.A
T0279	BN63-02999A	COVER-JACK;Rome V 26",HIPS,T3.0,HB,GR503	1	S.A
M0115	BN61-01525A	BRACKET-STAND LINK;32,ROME,SECC,T1.6	1	S.N.A
M0013	BN96-01736B	ASSY COVER P-REAR;ROME,26,HIPS,HB,GR503	1	S.A
M0013	BN96-01727B	ASSY STAND P-BASE;ROME3,26,23,HIPS,HB,GR	1	S.A

6 Electrical Parts List

-You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

6-1 LE23R32BX Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		LE23R32BX/XEC	LE23R32B,Q50K/23R30-GRM,23,LCD-TV,SPAIN	0	
0.1	M0216	BN90-00694D	ASSY STAND;ROME3,26,23,-,HIPS,HB,GR503,B	1	S.N.A
..2	M0013	BN96-01727B	ASSY STAND P-BASE;ROME3,26,23,HIPS,HB,GR	1	S.A
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	4	S.A
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,B,M4,L10,ZPC(YEL),SWR	5	S.A
...3	T0920	BN61-01561A	GUIDE-STAND;ROME,23,ABS,HB,GR70	1	S.N.A
...3		BN61-01562A	BRACKET-STAND BOTTOM;26,ROME,SECC,T2.0	1	S.N.A
...3	M0111	BN63-01718B	COVER-STAND;ROME3,26,23,HIPS,HB,GR503,BK	1	S.N.A
...3	T0132	BN73-00052A	RUBBER FOOT;ARES 17,SILICON,DIA 17 * T1.	5	S.N.A
...3	T0524	6902-000561	BAG PE;HDPE+NITRON(DOUBLE),T0.015+T0.5,W	1	S.N.A
0.1	M0002	BN90-01116A	ASSY COVER REAR;ROME-5,23EO,HIPS,V0,GR50	1	S.N.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	2	S.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	9	S.A
..2	M0013	BN96-04512A	ASSY COVER P-REAR;ROME-5,23EO,HIPS,V0,GR	1	S.A
...3	M0081	6003-001321	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	2	S.A
...3	M0114	BN61-01488A	HOLDER-WIRE;ROME,40,ABS,HB,GR503	1	S.N.A
...3	M0006	BN63-03029A	COVER-REAR;ROME-5,23EO,HIPS,-,-,V0,-,G	1	S.N.A
...3	T0066	BN64-00552A	INLAY-BACK;ROME5 23,PS SHEET,T0.5,BLACK,	1	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
...3	T0101	BN61-02058A	BRACKET-WALL;23,27,MGM,SECC,T1.6	2	S.N.A
0.1	M0001	BN90-01123A	ASSY COVER FRONT;ROME-5,23EO,ABS,HB,BK23	1	S.N.A
..2	M0081	6006-001096	SCREW-TAPTITE;BH,+,WP,B,M4.0,L12,ZPC(BLK)	4	S.N.A
..2	T0175	BN96-02449A	ASSY SPEAKER P;16ohm,Left,5W,320mm,VE RO	1	S.A
..2	T0175	BN96-02450A	ASSY SPEAKER P;16ohm,Right,5W,680mm,VE R	1	S.A
..2	T0003	BN96-04529A	ASSY COVER P-FRONT;ROME-5,23EO,ABS+PMMA,	1	S.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M2893	BN39-00605D	LEAD CONNECTOR;ROME-5,UL2835#28,12/15P,5	1	S.A
...3		BN61-01489A	GUIDE-CONTROL;ROME,40,ABS,HB,GR70	1	S.N.A
...3	T0060	BN61-01655A	SPRING ETC;STS-304 SUS,D8,L12,T0.5	1	S.N.A
...3	T0069	BN63-01872D	COVER-MIDDLE;ROME-5,23EO,HIPS,HB,GR503,B	1	S.N.A
...3	M0112	BN63-01920B	COVER-FRONT;ROME-5,23EO,ABS+PMMA,HB,BK23	1	S.N.A
...3	CCM1	BN63-02183D	COVER-SHEET;Rhm,PE Vinyl,T0.05,680mm,20	0.94	S.N.A
...3	T0054	BN64-00340A	KNOB-DECORATION;ROME,40,ABS,HB,GR515,AL	1	S.N.A
...3	T0022	BN64-00341B	KNOB-CONTROL;ROME,40,PC+ABS,5V,BK07	1	S.N.A
...3	T0061	BN64-00343A	WINDOW-REMOCON;ROME,40,PC,CLEAR	1	S.N.A
...3	T0023	BN64-00362B	KNOB-POWER;ROME-5,32,ABS,HB,BK07,BKN3576	1	S.N.A
...3	T0059	BN64-00379A	INDICATOR LED;ROME-II,23,PC,CLEAR	1	S.N.A
...3	M0145	BN96-01881A	ASSY BOARD P-FUNCTION;ROME 32",CT5000-32	1	S.A
...3	M0146	BN96-01882C	ASSY BOARD P-POWER & IR;ROME 26,CT5000-3	1	S.A
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.28	S.N.A
...3	T0054	BN64-00363B	KNOB-DECORATION;ROME-5,Spray, DGM-1621,P	1	S.N.A
...3	T0069	AA60-00091L	SPACER-FELT,-,FELT,330X10,-,BLK,T1.0,-	2	S.N.A
...3	T0069	AA60-00172K	SPACER-FELT;ROME5 23,FELT,500,T1.0,10	2	S.A
..2	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0.2	S.N.A
0.1		BN91-01180J	ASSY LCD-AUO;LE23R32BX/*	1	S.N.A
..2	M0215	BN07-00365A	LCD-PANEL;T230XW01,8bit,23inch,16.7M,16:	1	S.A
0.1	M0017	BN91-01251C	ASSY CHASSIS;LE23R32BX/*	1	S.N.A
..2	M0014	BN94-00847B	ASSY PCB MAIN;LE23R71BX/*	1	S.A
...3	T0245	0202-001492	SOLDER-WIRE FLUX;HSE-02 LFM48 SR-34 S,-	0.01	S.N.A
...3	FT230	2904-001179	FILTER-SAW;36.125MHz,-,32.65-39.6MHz/0.5	1	S.A
...3	JA722	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A
...3	CN330	3711-005942	HEADER-BOARD TO CABLE;BOX,16P,1R,2mm,STR	1	S.A
...3	JA710_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA711_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	JA332	3722-001734	JACK-VHS;4P,SN,BLK,STRAIGHT	1	S.A
...3	JA333	3722-001903	JACK-PIN;2P,-,AU,WHT/RED,-	1	S.A
...3	JA333	3722-001903	JACK-PIN;2P,-,AU,WHT/RED,-	1	S.A
...3	JA333	3722-001938	JACK-PIN;3P,-,AU,GRN/BLU/RED,-	1	S.A
...3	JA333	3722-002063	JACK-PIN;3P,AU,YEL/WHT/RED,STRAIGHT	1	S.A
...3	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A
...3	M0131	AA63-01304A	GASKET;TORINO,Conductive Fabric,1mm,14mm	1	S.N.A
...3	CIS3	BN40-00072A	TUNER;TECH0949PG46A(S),TECH0949PG46A(S),	1	S.A
...3	M0107	BN63-02176A	SHIELD-COVER;MGM,SPT,0.5	1	S.N.A
...3	MICOM3	BN97-00688A	ASSY HDCP;BN46-00018A,PS-42V6S,D73A,GENE	1	S.N.A
...4		BN46-00018A	KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S,	1	S.N.A
...3	T0174	BN97-00807B	ASSY SMD;LE23R71BX/*	1	S.N.A
...4	CIS5	0202-001477	SOLDER-CREAM;LST309-M,-,D20-45\$,96.5Sn/	8.48	S.N.A
...4	D120	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D210	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D211	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D212	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D213	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D214	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D215	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D216	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D217	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D218	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D219	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D220	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D221	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D222	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D316	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D317	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D318	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D612	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D613	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D614	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D615	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D616	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D617	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D618	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D619	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D621	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D710_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D711	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D712_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D713_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D714_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D715	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D716_NT	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7719	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7720	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7721	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7722	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7723	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7724	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7725	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7726	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7727	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7731	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7733	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7734	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7740	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7741	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7742	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D7743	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D910	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D911	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D912	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D913	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D800	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A
...4	D917	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
...4	D620	0403-000314	DIODE-ZENER;RLZJ9.1B,8.8-9.3V,500mW,LL-3	1	S.A
...4	D718_EU	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D7735	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D7736	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	D7737	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7738	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7746	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D7747	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D7744	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7745	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7748	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7749	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7750	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7751	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D121	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A
....4	D314	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D319	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D610	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	Q211	0501-000280	TR-SMALL SIGNAL;KSA1182,P,NP,150MW,SOT-23	1	S.A
....4	Q213	0501-000280	TR-SMALL SIGNAL;KSA1182,P,NP,150MW,SOT-23	1	S.A
....4	Q611	0501-000280	TR-SMALL SIGNAL;KSA1182,P,NP,150MW,SOT-23	1	S.A
....4	Q934	0501-000280	TR-SMALL SIGNAL;KSA1182,P,NP,150MW,SOT-23	1	S.A
....4	Q101	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q110_EU	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q111	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q212	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q214	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q310	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q420	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q421	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q612	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q613	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q614	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q803	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q908	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q910	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q932	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q935	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q210	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	IC104	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	1	S.A
....4	IC613	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16	1	S.A
....4	IC107	1002-001399	IC-D/A CONVERTER;PCM1754,24BIT,SSOP,16P,	1	S.A
....4	IC310	1003-001920	IC-CRT CONTROLLER;FLI5928H,PQFP,256P,30.	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-001279	IC-EEPROM;24C32,32Kbit,4Kx8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	S.A
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A
....4	T0085	1201-002136	IC-AUDIO AMP;LM4810,MSOP,8P,3x3mm,DUAL,-	1	S.A
....4	T0085	1201-002274	IC-AUDIO AMP;TPA3008D2,HTQFP,48P,7x7mm,D	1	S.A
....4	T0087	1203-001816	IC-POS.FIXED REG.;78M08,TO-252,3P,-,PLA	1	S.A
....4	T0087	1203-002842	IC-POS.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002855	IC-POS.FIXED REG.;MC33269DTRK-5.0,DPRK,	1	S.A
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A
....4	R225	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R257	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R258	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R261	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R262	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R321	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R341	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R343	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R344	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R355	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R356	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R612	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R816	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	C375	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	C377	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	C378	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R111	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R125	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R213	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R214	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R215	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R251	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R252	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R275	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R322	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R323	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R324	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R325	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R329	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R330	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R333	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R335	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R336	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R337	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R358	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R360_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R361_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R362_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R411_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R440	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R614	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R615	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R634	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R635	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R750_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R859	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9720	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9721	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9722	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9749	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R716_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R717_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R718_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R790	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R795	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R231	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R775	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R777	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R789	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R791	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9739	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9740	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9745	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9746	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R114	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R210	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R211	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R254	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R255	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R256	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R351	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R420	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R455	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R457	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R458	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R648	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R649	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R701_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R714_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R720_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R758	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R767	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R773	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R794	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R936	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R937	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R9703	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R9741	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R9742	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R328	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R439	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R126	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R232	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R366	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R712_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R713_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R732_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R734_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R266	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R271	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R417	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R728	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R729	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R733_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R735_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R754_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R755_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R768	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R769	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R774	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R776	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R798	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R799	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R901	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R218	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R219	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R224	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R326	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R345	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R413	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R419	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R463	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R645	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R646	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R743	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R778	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R779	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R917	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R9716	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	U2121	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R9696	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R9697	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R263	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R264	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R414	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R416	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R418	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R9701	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R9702	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R212	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R220	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R259	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R310	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R311	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R346	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R365	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R415	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R647	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R650	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R660	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R661	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R662	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R803	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R804	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R805	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R812	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R813	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R819	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R820	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R821	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R913	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R920	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9699	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9700	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9706	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9714	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9717	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9735	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R216	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R217	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R622	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R625	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R719_EU	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R739_EU	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	S.A
....4	R110	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R230	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R269	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R274	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R302	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R421	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R443	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R445	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R447	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R449	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R456	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R460	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R462	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R7612	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R787	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R788	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R811	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R814	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9710	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9711	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9712	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9715	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9736	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9737	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9738	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A
....4	R815	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A
....4	R613	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R618	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	S.A
....4	R124	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R670	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R671	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	S.A
....4	R710_EU	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R711_EU	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R894	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9734	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A
....4	R637	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R638	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R639	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R640	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R641	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R642	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R643	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R644	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R651	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R652	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R653	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R654	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R655	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R656	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R657	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R658	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R119	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R127	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R611	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R619	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R810	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R629	2007-000103	R-CHIP;120Kohm,5%,1/10W,TP,1608	1	S.A
....4	R620	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R817	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R910	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R911	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R912	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R626	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	S.A
....4	R627	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	S.A
....4	R116_EU	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R327	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A
....4	R7001	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7002	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7003	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7012	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7013	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7014	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7015	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7016	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7017	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R727_EU	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R738	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R229	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7004	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7005	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7006	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7007	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7008	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7009	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7010	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7011	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R796	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R797	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R117_EU	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R267	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R272	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R115_OP	2007-000416	R-CHIP;15ohm,5%,1/10W,TP,1608	1	S.A
....4	R265	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R270	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R715_EU	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R736_EU	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R268	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R273	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R412	2007-000608	R-CHIP;240ohm,5%,1/10W,TP,1608	1	S.A
....4	R120_EU	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A
....4	R123_EU	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	S.A
....4	R438	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	S.A
....4	R122_EU	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A
....4	R338	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R339	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R340	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R780	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R781	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R782	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R783	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R818	2007-001068	R-CHIP;6.8Kohm,1%,1/10W,TP,1608	1	S.A
....4	R121_EU	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	S.A
....4	R721_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R722	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R723	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R724	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R725_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R726_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R737_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R744	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R751	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R752	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R753	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R763	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R764	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R770	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R771	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	U2122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R331	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R348	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R349	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R353	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R784	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R785	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R786	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R792	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R793	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R9751	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	1	S.A
....4	R9723	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9724	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9725	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9726	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9727	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9728	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9729	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9730	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9731	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9732	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9733	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA323	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA210	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA211	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	C701	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	S.A
....4	C213	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C220	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C223	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C227	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C230	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C233	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C236	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C119	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C201	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C214	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C248	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C250	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C251	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C252	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C253	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C255	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C259	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C260	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C261	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C262	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C263	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C264	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C265	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C266	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C271	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C616	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C622	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C627	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C637	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C642	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C643	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C702	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C812	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C818	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C823	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C827	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C841	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C880	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C901	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C912	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C925	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C926	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C927	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C935	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	U2123	2203-000189	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C114	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C115	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C710	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C711	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C712_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C713	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C714_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C715_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C716	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C717_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C719_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C721_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C729	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C733	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C745	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C746	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C110_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C116_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C117	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C118_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C122	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C124	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C354	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C355	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C356	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C416	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C738	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C739	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C740	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C741	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C824	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C825	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C838	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C915	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C917	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C918	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C939	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C940	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C941	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C942	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C850	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A
....4	C301	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C610	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C611	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C640	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C641	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C650	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C651	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C916	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C929	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C125	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A
....4	C382	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C384	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C387	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C257	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C258	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C840	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	S.A
....4	C707	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C725	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C726	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C730	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C731	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C732	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C736	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C742	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C747	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C748	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C722_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C723_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C724_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C126	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C631	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C632	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C743	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C744	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C127	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C618	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C621	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C645	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C646	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C202	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C203	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C718_EU	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C720_EU	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C373	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	S.A
....4	C374	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	S.A
....4	C613	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C615	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C648	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C649	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C123	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A
....4	C638	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A
....4	C623	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	S.A
....4	C626	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	S.A
....4	C212	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C219	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C222	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C226	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C229	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C232	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C235	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	S.A
....4	C628	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	S.A
....4	C366	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C410	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C652	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C700	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C810	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C814	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C822	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C829	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C831	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C833	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C835	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C837	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C844	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C846	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C848	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C911	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C931	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	R464	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A
....4	C614	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	S.A
....4	C647	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	S.A
....4	C113	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C211	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C218	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C221	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C225	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C228	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C231	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C234	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C239	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C254	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C311	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C312	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C313	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C314	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C315	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C316	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C317	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C318	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C320	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C321	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C322	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C323	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C325	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C326	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C327	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C328	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C329	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C330	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C331	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C333	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C334	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C335	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C336	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C337	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C340	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C341	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C342	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C343	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C344	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C345	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C346	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C347	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C350	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C351	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C352	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C353	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C359	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C360	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C361	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C362	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C363	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C364	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C385	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C412	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C418	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C419	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C630	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C633	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C634	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C635	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C636	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C703	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C847	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C849	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C920	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C921	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C922	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C923	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C924	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C930	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C936	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C414	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C928	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C639	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C678	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C679	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C380	2203-006170	C-CER,CHIP;220nF,10%,16V,X7R,1608	1	S.A
....4	C210	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C224	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C237	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C238	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C240	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C241	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C242	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C243	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C244	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C245	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C249	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C654	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C655	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C656	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C657	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C658	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C659	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C660	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C661	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C890	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C933	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C938	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C417	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2mm	1	S.A
....4	C934	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2mm	1	S.A
....4	C112	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C121	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A

6 Electrical Parts List

[illegible]

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	F103	2901-001302	FILTER-EMI SMD;20V,0.3A,-,-,2.0x1.2x1.3m	1	S.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608,-,-,-	1	S.N.A
....4	JA719	3701-001311	CONNECTOR-HDMI;21P,2R,FEMALE,SMD-S,AU30U	1	S.A
....4	CN330	3711-005291	HEADER-BOARD TO CABLE;BOX,2P,1R,2MM,SMD-	1	S.A
....4	CN330	3711-005292	HEADER-BOARD TO CABLE;BOX,3P,1R,2MM,SMD-	1	S.A
....4	L805	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A
....4	L623_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L624_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L625_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L626_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	T0077	BN41-00704A	PCB MAIN;BORDEAUX 23inch,FR-4,4,MP1.0,1.	1	S.N.A
....4	M0018	BN97-00657D	ASSY MICOM;P-TRNPEU-10020,20050810,BN09-	1	S.A
....5	IC210	BN09-00014A	IC MICOM MTP;VCT4973,VCT49X3F,XX,F2,144,	1	S.N.A
....4	M0018	BN97-01163A	ASSY MICOM;T-BRD23PEU-1000,Q50K/R70R70,2	1	S.N.A
....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8Bi	1	S.N.A
....4	IC416	1203-001824	IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI	1	S.A
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A
....4	T0087	1203-003696	IC-POS1.FIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A
....4	CN330	3711-002046	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A
....4	CN330	3711-005470	HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm,	1	S.A
....4	CN330	3711-005497	HEADER-BOARD TO CABLE;BOX,15P,1R,1.25MM,	1	S.A
...3	M0107	BN63-02302A	SHIELD-COVER;TORINO,SPTe,T0.3,EMS	1	S.N.A
0.1	M0112	BN91-01271A	ASSY SHIELD;LE23R32BX/*	1	S.N.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	4	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	4	S.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	3	S.N.A
..2	M2893	BH39-00362E	LEAD CONNECTOR;Torino-23,UL1007#26,5P,50	1	S.A
..2	M2893	BN39-00588C	LEAD CONNECTOR-LVDS;SO40UO,UL20276#30,30	1	S.A
..2	M2893	BN39-00603D	LEAD CONNECTOR;RE26**,UL1007#26,14P,100m	1	S.A
..2	M2893	BN39-00615F	LEAD CONNECTOR;Bordeaux23,1617#22,UL/CSA	1	S.A
..2	M2893	BN39-00691A	LEAD CONNECTOR;Torino-32,UL1007#26,16P,1	1	S.A
..2		BN61-01523A	BRACKET-GUIDE STAND;32,ROME,SECC,T1.0	1	S.N.A
..2	M0107	BN61-02847A	BRACKET-PCB;ROME V 23",SECC,T1.0,E0,TORI	1	S.N.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0146	BN61-02848A	BRACKET-PANEL SIDE;ROME V 23",SECC,T1.2,	3	S.N.A
..2	T0159	BN96-03642A	ASSY PCB P-SMPS;BRD23P,LE23,AC100V-AC240	1	S.A
..2	M0162	6502-001027	CABLE CLAMP;DAWH-5NA,ID11.5,T3,NYLON66,N	1	S.N.A
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	1	S.N.A
..2	T0081	6006-000245	SCREW-MACHINE;WSP,PH,+,M4,L8,ZPC(YEL),SW	1	S.N.A
..2	M0412	BN63-03165A	COVER-INSULATOR;ROME5-23,PET,T0.35	1	S.N.A
0.1	M0113	BN92-01295A	ASSY P/MATERIAL;RE23	1	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.004	S.N.A
..2	T0524	6902-000520	BAG PE;HDPE/NITRON(DOUBLE),T0.015/T0.5(D	1	S.N.A
..2	T0003	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	2.5	S.N.A
0.1	M0003	BN92-01397J	ASSY BOX;ROME(2)-5,23R41,EO	1	S.N.A
..2	T0130	BN69-00955K	BOX-00,SET;23R3,CB,SY-01,A,YEL,A1,EUROPE	1.02	S.N.A
0.1	M0045	BN92-02159E	ASSY ACCESSORY;LE26R32BX/XEC	1	S.N.A
..2	M0045	BN96-04469E	ASSY ACCESSORY;LE26R32BX/XEC	1	S.N.A
...3	T0268	3903-000145	CBF-POWER CORD;DT,EU,FP3/YES,U(IEC C13-R	1	S.A
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	2	S.N.A
...3	T0210	AA68-03242E	MANUAL FLYER-01,SAFETY GUIDE;All Model,S	1	S.N.A
...3	ACCESSORY	AA68-03575A	MANUAL FLYER-02,REGISTRATION C;XEU,ENG,U	1	S.N.A
...3	ACCESSORY	AA68-03575B	MANUAL FLYER-02,REGISTRATION C;XEG,GERMA	1	S.N.A
...3	ACCESSORY	AA68-03575C	MANUAL FLYER-02,REGISTRATION C;XEF,FRENC	1	S.N.A
...3	ACCESSORY	AA68-03575D	MANUAL FLYER-03,REGISTRATION C;XEC,SPANI	1	S.N.A
...3	ACCESSORY	AA68-03575E	MANUAL FLYER-03,REGISTRATION C;XET,ITALY	1	S.N.A
...3	ACCESSORY	AA68-03575F	MANUAL FLYER-02,REGISTRATION C;XEN,DUTCH	1	S.N.A
...3	ACCESSORY	AA68-03575G	MANUAL FLYER-02,REGISTRATION C;XEP,PORTU	1	S.N.A
...3	T0074	BN59-00488A	REMOCON;TORINO-EO,TM79,Single Micom,39,E	1	S.A
...3	T0531	BN63-01674B	COVER-BOTTOM;23,26,32R51,HIPS,HB,GR503,R	1	S.N.A
...3	ACCESSORY	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,310,320,RHCM	1	S.N.A
...3	T0238	BN68-00514C	MANUAL FLYER-WARRANTY CARD;comm,Samsung,	1	S.N.A
...3	T0511	BN68-00927N	MANUAL USERS;COMM,SAMSUNG,E/Fr/Ge/D/I/S/	1	S.N.A
...3	M0126	BN69-01086A	BOX ACCESSORY-00;COMM,SW1,YEL,-,W573,D63	1	S.N.A
...3	M0045	BN96-01800A	ASSY ACCESSORY;ROME32,SCREW	1	S.N.A
....4	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	4	S.A
....4	ACCESSORY	6902-000128	BAG ZIPPER;LDPE,T0.05,W200,L150,TRP,8,2-	1	S.N.A
0.1	M0019	BN92-02065N	ASSY LABEL;LE23R32BX*	1	S.N.A

6-2 LE26R32BX Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		LE26R32BX/XEC	LE26R32B,Q50K/26R30-GRM,26,LCD-TV,SPAIN	0	
0.1	M0216	BN90-00694D	ASSY STAND;ROME3,26,23,-,HIPS,HB,GR503,B	1	S.N.A
..2	M0013	BN96-01727B	ASSY STAND P-BASE;ROME3,26,23,HIPS,HB,GR	1	S.A
...3	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	4	S.A
...3	M0081	6003-001239	SCREW-TAPTITE;FH,+,B,M4,L10,ZPC(WHT),S	5	S.A
...3	T0920	BN61-01561A	GUIDE-STAND;ROME,23,ABS,HB,GR70	1	S.N.A
...3		BN61-01562A	BRACKET-STAND BOTTOM;26,ROME,SECC,T2.0	1	S.N.A
...3	M0111	BN63-01718B	COVER-STAND;ROME3,26,23,HIPS,HB,GR503,BK	1	S.N.A
...3	T0132	BN73-00052A	RUBBER FOOT;ARES 17,SILICON,DIA 17 * T1.	5	S.N.A
...3	T0524	6902-000561	BAG PE;HDPE+NITRON(DOUBLE),T0.015+T0.5,W	1	S.N.A
0.1	M0001	BN90-00738F	ASSY COVER FRONT;ROME-5,26EO,ABS,HB,BK23	1	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	T0003	BN96-02488D	ASSY COVER P-FRONT;ROME-5,26EO,ABS,HB,BK	1	S.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
...3	M2893	BN39-00605D	LEAD CONNECTOR;ROME-5,U12835#28,12/15P,5	1	S.A
...3		BN61-01489A	GUIDE-CONTROL;ROME,40,ABS,HB,GR70	1	S.N.A
...3	T0060	BN61-01655A	SPRING ETC;STS-304 SUS,D8,L12,T0.5	1	S.N.A
...3	M0112	BN63-01876F	COVER-FRONT;ROME-5,26EO,ABS+PMMA,HB,BK23	1	S.N.A
...3	T0069	BN63-01877C	COVER-MIDDLE;ROME-5,26EO,HIPS,HB,GR503,B	1	S.N.A
...3	CCM1	BN63-02183E	COVER-SHEET;Rhcmm,PE Vinyl,T0.05,750mm,20	1,118	S.N.A
...3	T0054	BN64-00340A	KNOB-DECORATION;ROME,40,ABS,HB,GR515,AL	1	S.N.A
...3	T0022	BN64-00341B	KNOB-CONTROL;ROME,40,PC+ABS,5V,BK07	1	S.N.A
...3	T0061	BN64-00343A	WINDOW-REMOCON;ROME,40,PC,CLEAR	1	S.N.A
...3	T0023	BN64-00362B	KNOB-POWER;ROME-5,32,ABS,HB,BK07,BKN3576	1	S.N.A
...3	T0059	BN64-00379A	INDICATOR LED;ROME-II,23,PC,CLEAR	1	S.N.A
...3	M0145	BN96-01881A	ASSY BOARD P-FUNCTION;ROME 32',CT5000-32	1	S.A
...3	M0146	BN96-01882C	ASSY BOARD P-POWER & IR;ROME 26,CT5000-3	1	S.A
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0,28	S.N.A
...3	T0054	BN64-00363B	KNOB-DECORATION;ROME-5,Spray, DGM-1621,P	1	S.N.A
..2	T0382	BP61-00495C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W30.0mm	0,2	S.N.A
..2	T0175	BN96-02451B	ASSY SPEAKER P;16ohm,300mm,Left,5W,ROME_	1	S.A
..2	T0175	BN96-02452B	ASSY SPEAKER P;16ohm,650mm,Right,5W,ROME	1	S.A
0.1	M0002	BN90-01112A	ASSY COVER REAR;ROME-5,26EO,HIPS,HB,GR50	1	S.N.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	9	S.A
..2	T0279	BN63-02999A	COVER-JACK;ROME V 26",HIPS,T3.0,HB,GR503	1	S.N.A
..2	M0013	BN96-01736B	ASSY COVER P-REAR;ROME,26,HIPS,HB,GR503	1	S.A
...3	M0113	BN61-01302A	BRACKET-VESA;32,DUOMO,SECC,T1.6	1	S.N.A
...3	M0114	BN61-01488A	HOLDER-WIRE;ROME,40,ABS,HB,GR503	1	S.N.A
...3	M0006	BN63-01717B	COVER-REAR;ROME,26,HIPS,HB,GR503,READY	1	S.N.A
...3	M0081	6003-001321	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	4	S.A
...3	M0081	6003-001321	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(BLK),SWRC	2	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	2	S.A
0.1	T0852	BN91-01180K	ASSY LCD-CMO;LE26R32BX/*	1	S.N.A
..2	M0215	BN07-00364A	LCD-PANEL;V260B1-L04,6bit+FRC,26inch,16.	1	S.A
0.1	M0017	BN91-01251B	ASSY CHASSIS-CMO;LE26R32BX/*	1	S.N.A
..2	M0014	BN94-01128C	ASSY PCB MAIN-CME;LE26R32BX/*	1	S.A
...3	T0245	0202-001492	SOLDER-WIRE FLUX;HSE-02 LFM48 SR-34 S,-,	0,01	S.N.A
...3	FT230	2904-001179	FILTER-SAW;36.125MHz,-,32.65-39.6MHz/0.5	1	S.A
...3	JA722	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A
...3	CN330	3711-004484	HEADER-BOARD TO CABLE;BOX,5P,1R,2mm,STRA	1	S.A
...3	CN330	3711-005942	HEADER-BOARD TO CABLE;BOX,16P,1R,2mm,STR	1	S.A
...3	JA710_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA711_EU	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	1	S.A
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	JA330	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	JA332	3722-001734	JACK-VHS;4P,SN,BLK,STRAIGHT	1	S.A
...3	JA333	3722-001903	JACK-PIN;2P,-,AU,WHT/RED,-	1	S.A
...3	JA333	3722-001903	JACK-PIN;2P,-,AU,WHT/RED,-	1	S.A
...3	JA333	3722-001938	JACK-PIN;3P,-,AU,GRN/BLU/RED,-	1	S.A
...3	JA333	3722-002063	JACK-PIN;3P,AU,YEL/WHT/RED,STRAIGHT	1	S.A
...3	T0562	6046-001013	STAND OFF;M3,L5,Ni PLT,SUM24L,#4-40	2	S.N.A
...3	M0131	AA63-01304A	GASKET;TORINO,Conductive Fabric,1mm,14mm	1	S.N.A
...3	CIS3	BN40-00072A	TUNER;TECH0949PG46A(S),TECH0949PG46A(S),	1	S.A
...3	M0107	BN63-02176A	SHIELD-COVER;MGM,SPT,0.5	1	S.N.A
...3	M0112	BN96-02858B	ASSY SHIELD P-PCB;23 TORINO,SPT,0.3	1	S.N.A
...4	M0131	AA63-01312A	GASKET;TORINO,Conductive Fabric,4mm,10mm	1	S.N.A
...4	M0107	BN63-02302A	SHIELD-COVER;TORINO,SPT,0.3,EMS	1	S.N.A
...3	MICOM3	BN97-00688A	ASSY HDCP;BN46-00018A,PS-42V6S,D73A,GENE	1	S.N.A
...4		BN46-00018A	KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S,	1	S.N.A
...3	T0174	BN97-01253C	ASSY SMD;LE26R32BX/*	1	S.N.A
...4	CIS5	0202-001477	SOLDER-CREAM;LST309-M,-,D20-45\$,96.5Sn/	8,48	S.N.A
...4	D120	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D210	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D211	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D212	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	D213	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D214	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D215	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D216	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D217	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D218	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D219	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D220	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D221	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D222	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D316	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D317	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D318	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D612	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D613	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D614	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D615	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D616	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D617	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D618	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D619	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D621	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D710_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D711	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D712_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D713_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D714_EU	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D715	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D716_NT	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7719	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7720	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7721	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7722	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7723	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7724	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7725	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7726	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7727	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7731	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7733	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7734	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7740	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7741	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7742	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D7743	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D910	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D911	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D912	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D913	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
....4	D800	0402-000553	DIODE-SCHOTTKY;SS24/B240,40V,2000mA,DO-2	1	S.A
....4	D917	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
....4	D718_EU	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7735	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7736	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7737	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7738	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D7746	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D7747	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D7744	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7745	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7748	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7749	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7750	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D7751	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
....4	D121	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A
....4	D314	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D319	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D610	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	Q211	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q213	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q611	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q934	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q101	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q110_EU	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q111	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q212	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q214	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q310	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q420	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q421	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q612	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q613	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q614	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	Q803	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q908	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q910	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q932	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q935	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q210	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	IC104	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	1	S.A
....4	IC613	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16	1	S.A
....4	IC107	1002-001399	IC-D/A CONVERTER;PCM1754,24BIT,SSOP,16P,	1	S.A
....4	IC310	1003-001920	IC-CRT CONTROLLER;FLI5928H,PQFP,256P,30.	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-001279	IC-EEPROM;24C32,32Kbit,4Kx8Bit,SOP,8P,5x	1	S.A
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	S.A
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A
....4	DU410	1201-000166	IC-OP AMP;LM358,SOP,ST,8P,150MIL,DUAL,10	1	S.A
....4	T0085	1201-002136	IC-AUDIO AMP;LM4810,MSOP,8P,3x3mm,DUAL,-	1	S.A
....4	T0085	1201-002274	IC-AUDIO AMP;TPA3008D2,HTQFP,48P,7x7mm,D	1	S.A
....4	T0087	1203-001816	IC-POSIFIXED REG.;78M08,TO-252,3P,-,PLA	1	S.A
....4	IC416	1203-001824	IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI	1	S.A
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002855	IC-POSIFIXED REG.;MC33269DTRK-5.0,DPRK,	1	S.A
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A
....4	T0087	1203-003696	IC-POSIFIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A
....4	T0087	1203-003696	IC-POSIFIXED REG.;NCP1117DT18T5G,DPAK,3	1	S.A
....4	R225	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R257	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R258	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R261	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R262	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R321	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R341	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R343	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R344	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R355	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R356	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R612	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R816	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	C375	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	C377	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	C378	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R101	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R111	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R112	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R125	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R201	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R213	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R214	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R215	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R251	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R252	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R275	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R322	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R323	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R324	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R325	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R329	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R330	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R333	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R335	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R336	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R337	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R358	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R360_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R361_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R362_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R411_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R440	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R614	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R615	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R634	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R635	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R750_EU	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R859	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9720	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9721	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9722	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R9749	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R716_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R717_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R718_EU	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R790	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R795	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A
....4	R231	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R775	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R777	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R789	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R791	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9739	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9740	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9745	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R9746	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A
....4	R113	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R114	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R210	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R211	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R254	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R255	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R256	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R351	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R420	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R455	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R457	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R458	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R648	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R649	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R701_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R714_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R720_EU	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R758	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R767	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R773	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R794	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R936	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R937	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R9703	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R9741	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R9742	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A
....4	R328	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A
....4	R439	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	S.A
....4	R126	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R232	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R366	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R712_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R713_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R732_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R734_EU	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	S.A
....4	R266	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R271	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R417	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R728	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R729	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R733_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R735_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R754_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R755_EU	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R768	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R769	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R774	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R776	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R798	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R799	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R901	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R218	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R219	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R224	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R326	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R345	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R413	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R419	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R463	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R645	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R646	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R743	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R778	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R779	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R917	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9716	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	U2121	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9696	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9697	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R263	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R264	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R414	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R416	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R418	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R9701	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R9702	2007-000082	R-CHIP:3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R212	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R220	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R259	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R310	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R311	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R346	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R365	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R415	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R647	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R650	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R660	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R661	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R662	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R803	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R804	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R805	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R812	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R813	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R819	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R820	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R821	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R913	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R920	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9699	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9700	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9706	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9714	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9717	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R9735	2007-000084	R-CHIP:4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R216	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R217	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R622	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R625	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R719_EU	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R739_EU	2007-000087	R-CHIP:6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R110	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R230	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R269	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R274	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R302	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R421	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R443	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R445	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R447	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R449	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R456	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R460	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R462	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R7612	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R787	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R788	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R811	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R814	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9710	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9711	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9712	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9715	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9736	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9737	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9738	2007-000090	R-CHIP:10Kohm,5%,1/10W,TP,1608	1	SA
....4	R815	2007-000092	R-CHIP:15Kohm,5%,1/10W,TP,1608	1	SA
....4	R613	2007-000093	R-CHIP:20Kohm,5%,1/10W,TP,1608	1	SA
....4	R618	2007-000093	R-CHIP:20Kohm,5%,1/10W,TP,1608	1	SA
....4	R124	2007-000094	R-CHIP:22Kohm,5%,1/10W,TP,1608	1	SA
....4	R670	2007-000094	R-CHIP:22Kohm,5%,1/10W,TP,1608	1	SA
....4	R671	2007-000094	R-CHIP:22Kohm,5%,1/10W,TP,1608	1	SA
....4	R710_EU	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA
....4	R711_EU	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA
....4	R894	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA
....4	R9734	2007-000097	R-CHIP:47Kohm,5%,1/10W,TP,1608	1	SA
....4	R637	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA
....4	R638	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA
....4	R639	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA
....4	R640	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA
....4	R641	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA
....4	R642	2007-000100	R-CHIP:68Kohm,5%,1/10W,TP,1608	1	SA

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R643	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R644	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R651	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R652	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R653	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R654	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R655	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R656	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R657	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R658	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R119	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R127	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R611	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R619	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R810	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R629	2007-000103	R-CHIP;120Kohm,5%,1/10W,TP,1608	1	S.A
....4	R620	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R817	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R910	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R911	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R912	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R626	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	S.A
....4	R627	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	1	S.A
....4	R116_EU	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R327	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A
....4	R7001	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7002	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7003	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7012	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7013	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7014	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7015	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7016	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R7017	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R727_EU	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R738	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R229	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7004	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7005	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7006	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7007	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7008	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7009	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7010	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R7011	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R796	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R797	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R117_EU	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R267	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R272	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	S.A
....4	R115_OP	2007-000416	R-CHIP;15ohm,5%,1/10W,TP,1608	1	S.A
....4	R265	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R270	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R715_EU	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R736_EU	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R268	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R273	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	S.A
....4	R412	2007-000608	R-CHIP;240ohm,5%,1/10W,TP,1608	1	S.A
....4	R120_EU	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A
....4	R123_EU	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	S.A
....4	R438	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	S.A
....4	R122_EU	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A
....4	R338	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R339	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R340	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R780	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R781	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R782	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R783	2007-001042	R-CHIP;56ohm,1%,1/10W,TP,1608	1	S.A
....4	R818	2007-001068	R-CHIP;6.8Kohm,1%,1/10W,TP,1608	1	S.A
....4	R121_EU	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	S.A
....4	R721_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R722	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R723	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R724	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R725_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R726_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R737_EU	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R744	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R751	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R752	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R753	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R763	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R764	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R770	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R771	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	U2122	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A
....4	R331	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R348	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R349	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R353	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R784	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R785	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R786	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R792	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R793	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	S.A
....4	R9751	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	1	S.A
....4	R9723	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9724	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9725	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9726	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9727	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9728	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9729	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9730	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9731	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9732	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	R9733	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA323	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA210	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	RA211	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	S.A
....4	C701	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	S.A
....4	C213	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C220	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C223	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C227	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C230	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C233	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C236	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C119	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C201	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C214	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C248	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C250	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C251	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C252	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C253	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C255	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C259	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C260	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C261	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C262	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C263	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C264	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C265	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C266	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C271	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C616	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C622	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C627	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C637	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C642	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C643	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C702	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C812	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C818	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C823	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C827	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C841	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C880	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C901	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C912	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C925	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C926	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C927	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C935	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	U2123	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C114	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C115	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C710	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C711	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C712_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C713	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C714_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C715_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C716	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C717_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C719_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C721_EU	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C729	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C733	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C745	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C746	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A
....4	C110_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C116_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C117	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C118_EU	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C122	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C124	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C354	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C355	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C356	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C416	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C738	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C739	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C740	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C741	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C824	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C825	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C838	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C915	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C917	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C918	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C939	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C940	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C941	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C942	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C850	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A
....4	C301	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C610	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C611	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C640	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C641	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C650	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C651	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C916	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C929	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C125	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A
....4	C382	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C384	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C387	2203-000578	C-CER,CHIP;220nF,20%,50V,Y5V,TP,3216	1	S.A
....4	C257	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C258	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C840	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	S.A
....4	C707	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C725	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C726	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C730	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C731	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C732	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C736	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C742	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C747	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C748	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C722_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C723_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C724_EU	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	S.A
....4	C126	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C631	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C632	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C743	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C744	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C127	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C618	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C621	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C645	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C646	2203-000975	C-CER,CHIP;47nF,10%,25V,X7R,TP,1608,-	1	S.A
....4	C202	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C203	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C718_EU	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C720_EU	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C373	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	S.A
....4	C374	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	S.A
....4	C613	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C615	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C648	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C649	2203-001391	C-CER,CHIP;150nF,10%,25V,X7R,TP,2012,-	1	S.A
....4	C123	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A
....4	C638	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C623	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C626	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C212	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C219	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C222	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C226	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C229	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C232	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C235	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C628	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	SA
....4	C366	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C410	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C652	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C700	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C810	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C814	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C822	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C829	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C831	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C833	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C835	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C837	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C844	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C846	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C848	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C911	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C931	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	R464	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C614	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	SA
....4	C647	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	SA
....4	C113	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C211	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C218	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C221	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C225	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C228	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C231	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C234	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C239	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C254	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C311	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C312	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C313	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C314	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C315	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C316	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C317	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C318	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C320	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C321	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C322	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C323	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C325	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C326	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C327	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C328	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C329	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C330	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C331	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C333	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C334	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C335	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C336	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C337	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C340	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C341	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C342	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C343	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C344	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C345	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C346	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C347	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C350	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C351	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C352	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C353	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C359	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C360	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C361	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C362	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C363	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C364	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C385	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C412	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C418	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C419	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C630	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C633	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C634	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C635	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C636	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C703	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C847	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C849	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C920	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C921	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C922	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C923	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C924	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C930	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C936	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A
....4	C414	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C928	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C639	2203-006036	C-CER,CHIP;680nF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C678	2203-006036	C-CER,CHIP;680nF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C679	2203-006036	C-CER,CHIP;680nF,+80-20%,16V,Y5V,TP,1608	1	S.A
....4	C380	2203-006170	C-CER,CHIP;220nF,10%,16V,X7R,1608	1	S.A
....4	C210	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C224	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C237	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C238	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C240	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C241	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C242	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C243	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C244	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C245	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C249	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C654	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C655	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C656	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C657	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C658	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C659	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C660	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C661	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C890	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C933	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C938	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C417	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	S.A
....4	C934	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	S.A
....4	C112	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C121	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C267	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C268	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C415	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C620	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C624	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C625	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C644	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C671	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C677	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C811	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C813	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C819	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C820	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C826	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C828	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C845	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C937	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C943	2402-001128	C-AL,SMD;100uF,20%,16V,-,TP,6.3X5.7mm	1	S.A
....4	C612	2402-001129	C-AL,SMD;47uF,20%,16V,WT,TP,5.3X5.2MM	1	S.A
....4	C111 EU	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	S.A
....4	C413	2402-001178	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.8m	1	S.A
....4	C365	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C653	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C821	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C830	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C834	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C932	2402-001183	C-AL,SMD;22uF,20%,16V,WT,TP,5.3X5.3X6MM	1	S.A
....4	C270	2402-001222	C-AL,SMD;3.3uF,20%,50V,HR,TP,4.3X4.3X5.8	1	S.A
....4	C246	2402-001226	C-AL,SMD;4.7uF,20%,35V,HR,TP,4.3X4.3X5.8	1	S.A
....4	C247	2402-001226	C-AL,SMD;4.7uF,20%,35V,HR,TP,4.3X4.3X5.8	1	S.A
....4	C256	2402-001226	C-AL,SMD;4.7uF,20%,35V,HR,TP,4.3X4.3X5.8	1	S.A
....4	C120	2402-001238	C-AL,SMD;1uF,20%,50V,HR,TP,4.3x4.3x5.2mm	1	S.A
....4	C816	2402-001257	C-AL,SMD;470uF,20%,16V,-,TP,8.3*10	1	S.A

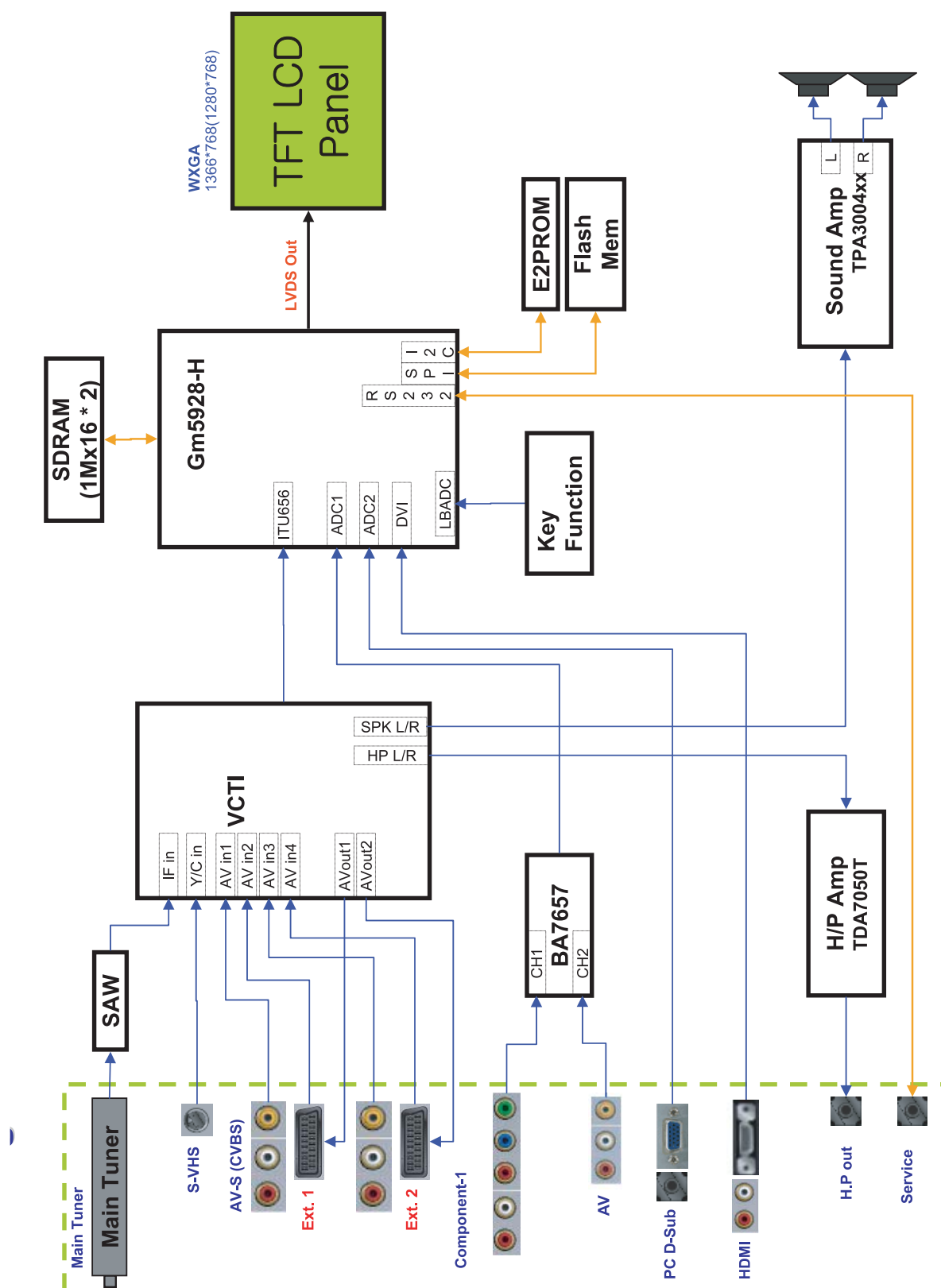
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6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	CN330	3711-005470	HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm,	1	S.A
....4	CN330	3711-005497	HEADER-BOARD TO CABLE;BOX,15P,1R,1.25MM,	1	S.A
....4	L805	BN27-00008A	COIL CHOKE-SMD;SMD12*12*8.5,GH15/17PS,22	1	S.A
....4	L623_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L624_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L625_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	L626_OP	BN27-00017A	COIL CHOKE-SMD;PO5845-330,LT17N2,33uH,10	1	S.A
....4	T0077	BN41-00704A	PCB MAIN;BORDEAUX 23inch,FR-4,4,MP1.0,1.	1	S.N.A
....4	M0018	BN97-00657D	ASSY MICOM;P-TRNPEU-10020,20050810,BN09-	1	S.A
....5	IC210	BN09-00014A	IC MICOM MTP;VCT4973,VCT49X3F,XX,F2,144,	1	S.N.A
....4	M0018	BN97-01163A	ASSY MICOM;T-BRD23PEU-1000,Q50K/R70R70,2	1	S.N.A
....5	IC115	1107-001580	IC-FLASH MEMORY;MX25L4005,4Mbit,512Kx8Bi	1	S.N.A
....4	D620	0403-000614	DIODE-ZENER;RLZ8.2B,7.78-8.19V,500mW,LL-	1	S.A
0.1	M0112	BN91-01270A	ASSY SHIELD;LE26R32BX/*	1	S.N.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	4	S.A
..2	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	4	S.A
..2	M0081	6003-000133	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(BLK),SW	2	S.A
..2	M0081	6003-000133	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(BLK),SW	2	S.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	1	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	2	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	4	S.N.A
..2	M0081	6003-001003	SCREW-TAPTITE;BH,+,B,M4,L12,ZPC(BLK),SWR	5	S.N.A
..2	T0081	6006-000245	SCREW-MACHINE;PH,+,WSP,M4,L8,ZPC(WHT),SW	1	S.N.A
..2	M2893	BN39-00588C	LEAD CONNECTOR-LVDS;SO40UO,UL20276#30,30	1	S.A
..2	M2893	BN39-00603E	LEAD CONNECTOR;RE26**AU,UL1007#26,14P,15	1	S.A
..2	T0076	BN39-00615C	CBF HARNESS;ROME VE,1617#22,3P,1P,RING,2	1	S.A
..2	M2893	BN39-00691A	LEAD CONNECTOR;Torino-32,UL1007#26,16P,1	1	S.A
..2		BN61-01523A	BRACKET-GUIDE STAND;32,ROME,SECC,T1.0	1	S.N.A
..2	M0115	BN61-01525A	BRACKET-STAND LINK;32,ROME,SECC,T1.6	1	S.N.A
..2	M0146	BN61-01564A	BRACKET-PANEL SIDE;26,ROME,SECC,T1.2	4	S.N.A
..2	T0447	BN96-04504A	ASSY BRACKET P-PANEL;ROME-5,26EQ,CMO TN	1	S.N.A
....3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	6	S.A
....3		BN61-02853A	BRACKET-GUIDE POWER L;ROME-V 26,SECC,T1.	2	S.N.A
....3		BN61-02854A	BRACKET-GUIDE POWER R;ROME-V 26,SECC,T1.	1	S.N.A
....3		BN61-02855A	BRACKET-PANEL BOTTOM;ROME5 V 26*,SECC,T1	1	S.N.A
....3	M0146	BN61-02856A	BRACKET-PANEL TOP;ROME5 V 26*,SECC,T1.2,	1	S.N.A
..2	M0162	6502-001027	CABLE CLAMP;DAWH-5NA,ID11.5,T3,NYLON66,N	1	S.N.A
..2	M2893	BH39-00362G	LEAD CONNECTOR;SONOMA,UL1007#26,5PIN,100	1	S.A
..2	M0114	BN61-01778A	HOLDER-WIRE;NYLON-66,NATURAL or GRAY,DAF	1	S.N.A
..2	T0159	BN96-03833A	ASSY PCB P-SMPS;Sonoma27/32,LE32,AC100V~	1	S.A
0.1	M0113	BN92-01293A	ASSY P/MATERIAL;RE26	1	S.N.A
..2	T0524	6902-000358	BAG PE;HDPE/NITRON(DOUBLE),T0.02/T0.5,W9	1	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,-	0.005	S.N.A
..2	T0003	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	2.5	S.N.A
0.1	M0003	BN92-01396H	ASSY BOX;ROME(2)-5,26R41,EO	1	S.N.A
..2	T0130	BN69-00954R	BOX-00,SET;26R3,CB,SY-05,A,YEL,A1,EUROPE	1.02	S.N.A
0.1	M0019	BN92-02065P	ASSY LABEL;LE26R32BX/*	1	S.N.A
0.1	M0045	BN92-02159E	ASSY ACCESSORY;LE26R32BX/XEC	1	S.N.A
..2	M0045	BN96-04469E	ASSY ACCESSORY;LE26R32BX/XEC	1	S.N.A
....3	T0268	3903-000145	CBF-POWER CORD;DT,EU,FP3/YES,U(IEC C13-R	1	S.A
....3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	2	S.N.A
....3	T0210	AA68-03242E	MANUAL FLYER-01,SAFETY GUIDE;All Model,S	1	S.N.A
....3	ACCESSORY	AA68-03575A	MANUAL FLYER-02,REGISTRATION C;XEU,ENG,U	1	S.N.A
....3	ACCESSORY	AA68-03575B	MANUAL FLYER-02,REGISTRATION C;XEG,GERMA	1	S.N.A
....3	ACCESSORY	AA68-03575C	MANUAL FLYER-02,REGISTRATION C;XEF,FRENC	1	S.N.A
....3	ACCESSORY	AA68-03575D	MANUAL FLYER-03,REGISTRATION C;XEC,SPANI	1	S.N.A
....3	ACCESSORY	AA68-03575E	MANUAL FLYER-03,REGISTRATION C;XET,ITALY	1	S.N.A
....3	ACCESSORY	AA68-03575F	MANUAL FLYER-02,REGISTRATION C;XEN,DUTCH	1	S.N.A
....3	ACCESSORY	AA68-03575G	MANUAL FLYER-02,REGISTRATION C;XEP,PORTU	1	S.N.A
....3	T0074	BN59-00488A	REMOCON;TORINO-EO,TM79,Single Micom,39,E	1	S.A
....3	T0531	BN63-01674B	COVER-BOTTOM;23,26,32R51,HIPS,HB,GR503,R	1	S.N.A
....3	ACCESSORY	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,310,320,RHCM	1	S.N.A
....3	T0238	BN68-00514C	MANUAL FLYER-WARRANTY CARD;comm,Samsung,	1	S.N.A
....3	T0511	BN68-00927N	MANUAL USERS;COMM,SAMSUNG,E/Fr/Ge/D/I/IS/	1	S.N.A
....3	M0126	BN69-01086A	BOX ACCESSORY-00;COMM,SW1,YEL,-,W573,D63	1	S.N.A
....3	M0045	BN96-01800A	ASSY ACCESSORY;ROME32,SCREW	1	S.A
....4	T0081	6002-001294	SCREW-TAPPING;BH,+,M4,L16,ZPC(BLK)	4	S.A
....4	ACCESSORY	6902-000128	BAG ZIPPER;LDPE,T0.05,W200,L150,TRP,8,2-	1	S.N.A

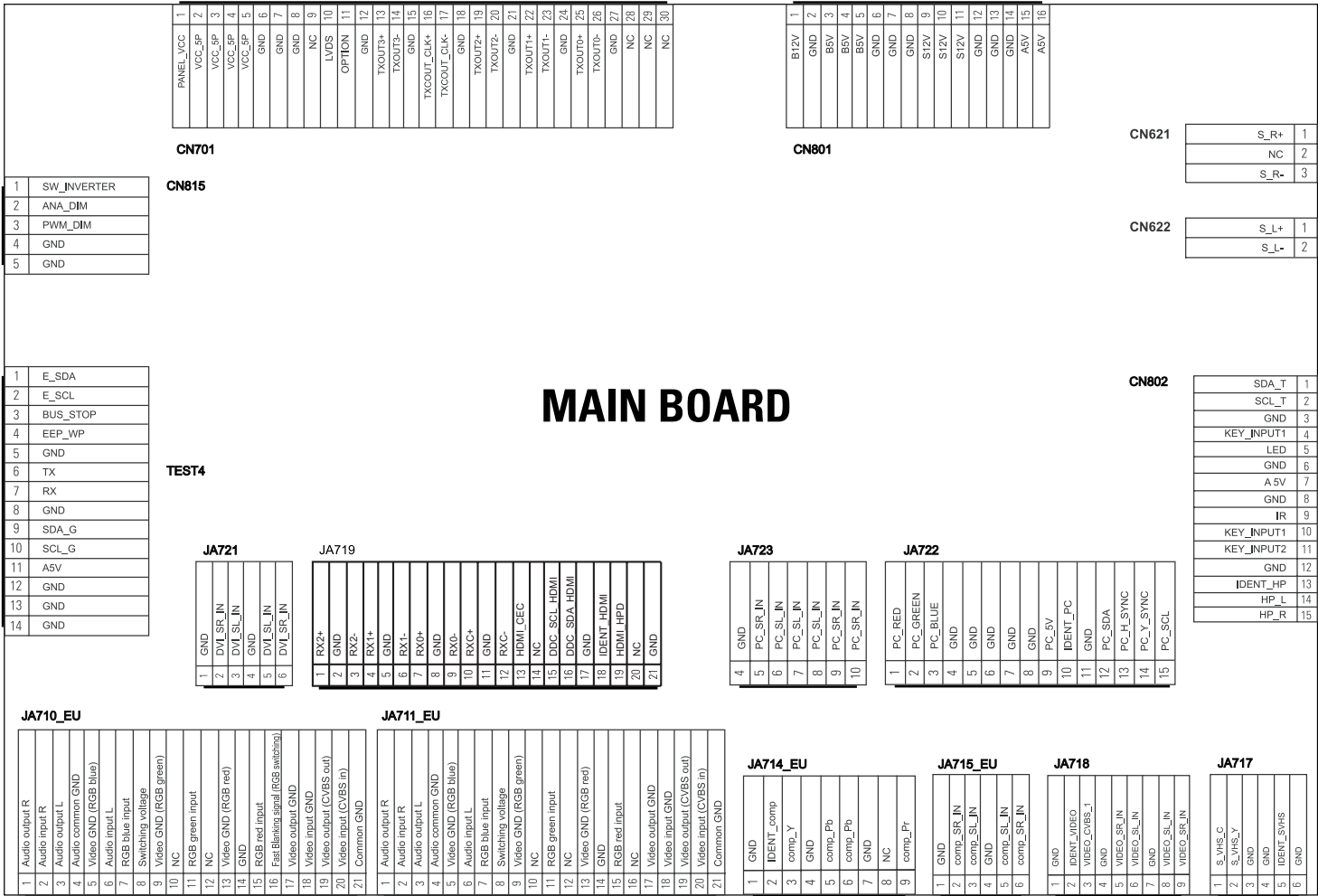
7 Block Diagram

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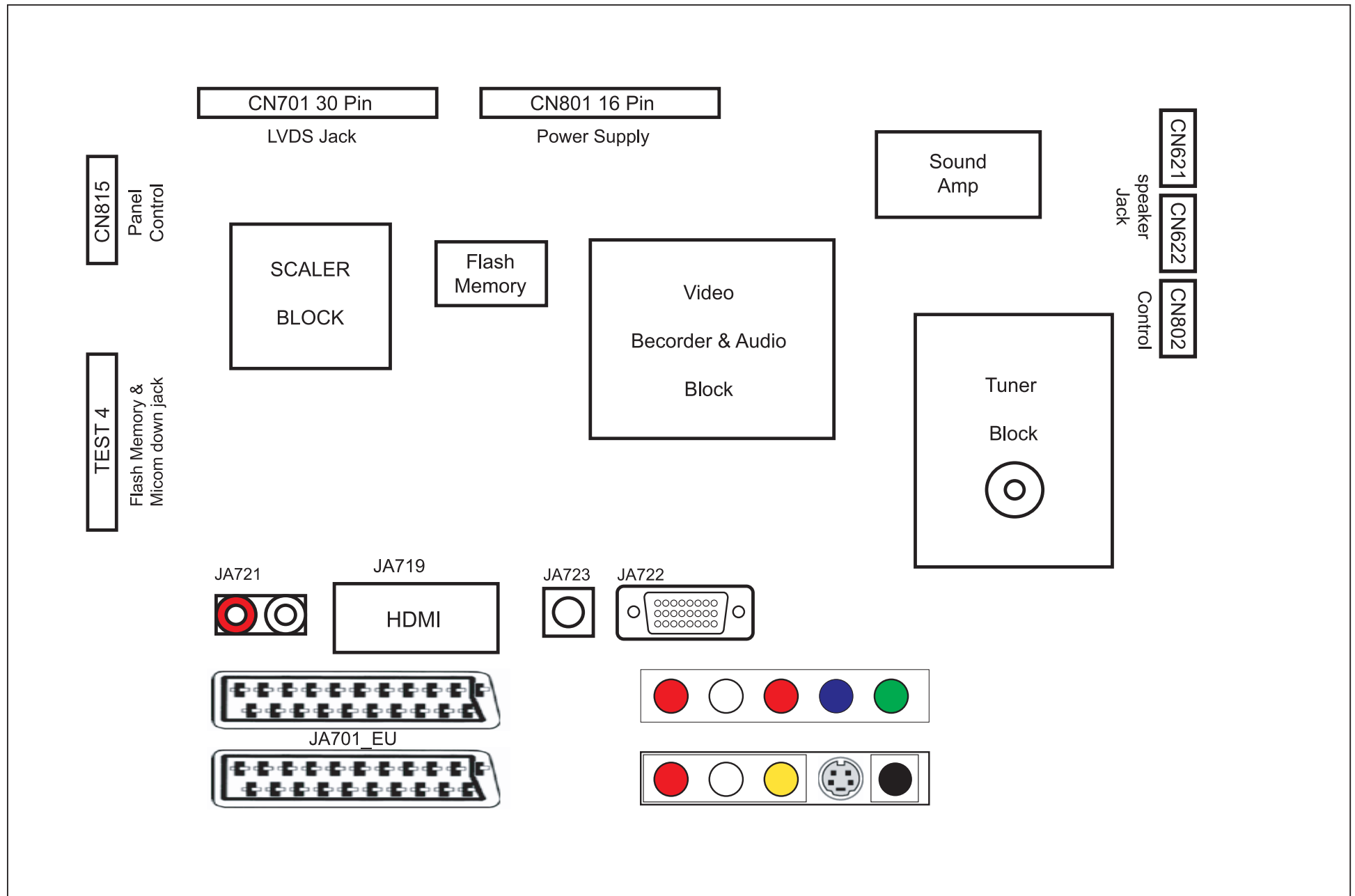


8 Wiring Diagram

8-1 LE23R32B / LE26R32B Wiring Diagram



8-2 Main Board Layout



8-3 PIN characteristic

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	B12V	GND	B5V	B5V	B5V	GND	GND	GND	B12VS	B12VS	B12VS	GND	GND	GND	A5V	A5V

Function Define

- B12V B8V, B5V-T
- B5V B5V-1, B5V, 5V-P, B1.8V
- B12VS B12VS
- A5V A5V, A3.3V-3, A3.3V, A3.3V-1, B3.3V, A1.8V

CN621 / CN622 - SPEAKER CONNECTOR

PIN	1	2	3
NAME	R+	NC	R-

PIN	1	2
NAME	L+	L-

CN802 - Front control

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13
NAME	GND	GND	A5V_1	GND	KEY INPUT1	KEY INPUT2	GND	IDENT HP	IR 7414	HP OUT_L	HP OUT_R	LED	GND

Function Define

- A5V Front board Control Voltage.
- KEY INPUT1,2/SDA/SCL Key control, from the memu, change up/down Etc.
- IR Remote control signal
- LED Control the timing and stand by LED color

CN815 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	GND

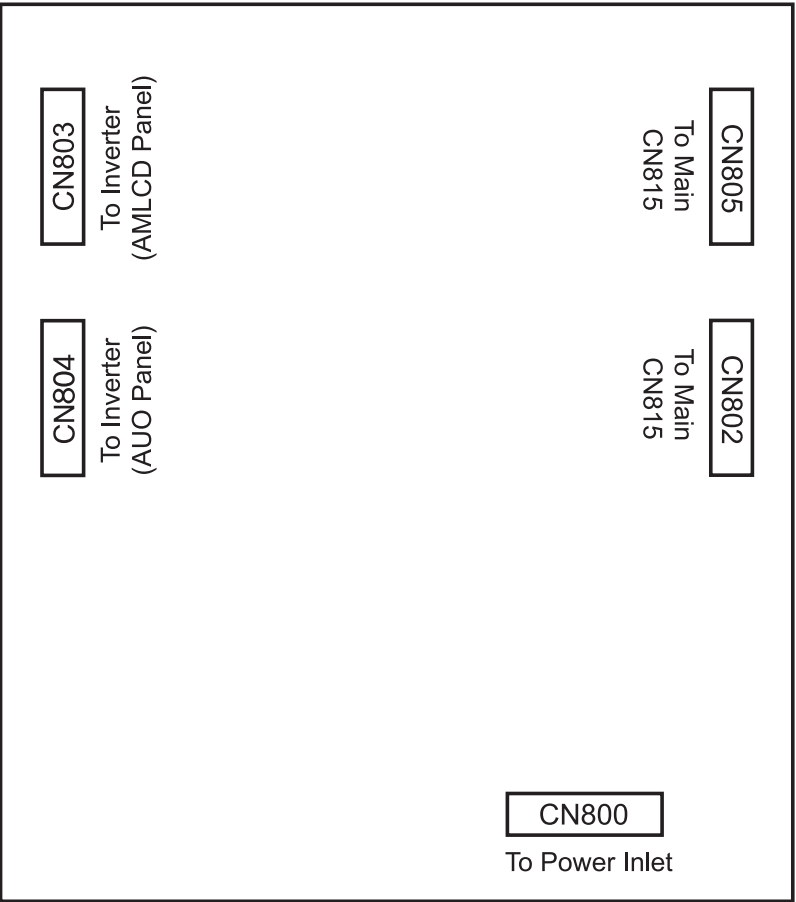
Function Define

- SW_inverter panel inverter control, about 3.3V
- Ana_dimming panel dimming control
- PWM_dimming panel PWM control, duty 40% ~ 90%

CN702-LVDS Signal

PIN	NAME	PIN	NAME
1	VCC	16	TXOUTCLK+
2	VCC5P	17	TXOUTCLK-
3	VCC5P	18	GND
4	VCC5P	19	TXOUT2+
5	VCC5P	20	TXOUT2-
6	GND	21	GND
7	GND	22	TXOUT1+
8	GND	23	TXOUT1-
9	NC	24	GND
10	LVDS_option	25	TXOUT0+
11	NC	26	TXOUT0-
12	GND	27	GND
13	TXOUT3+	28	NC
14	TXOUT3-	29	NC
15	GND	30	NC

8-4 Power Board Layout



CN800	To Power Inlet
CN802	To Main CN815
CN803	To Inverter (AMLCD Panel)
CN804	To Inverter (AUO Panel)
CN805	To Main CN815

CN800 - AC Input

PIN	1	2
NAME	Live	Netural
VOLTAGE	AC	AC

Function Define

- Refer to : AC Input

CN802 - Main Board Power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Function Define

- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CN805 - Panel Control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Function Define

- Refer to : CN815 function define

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Function Define

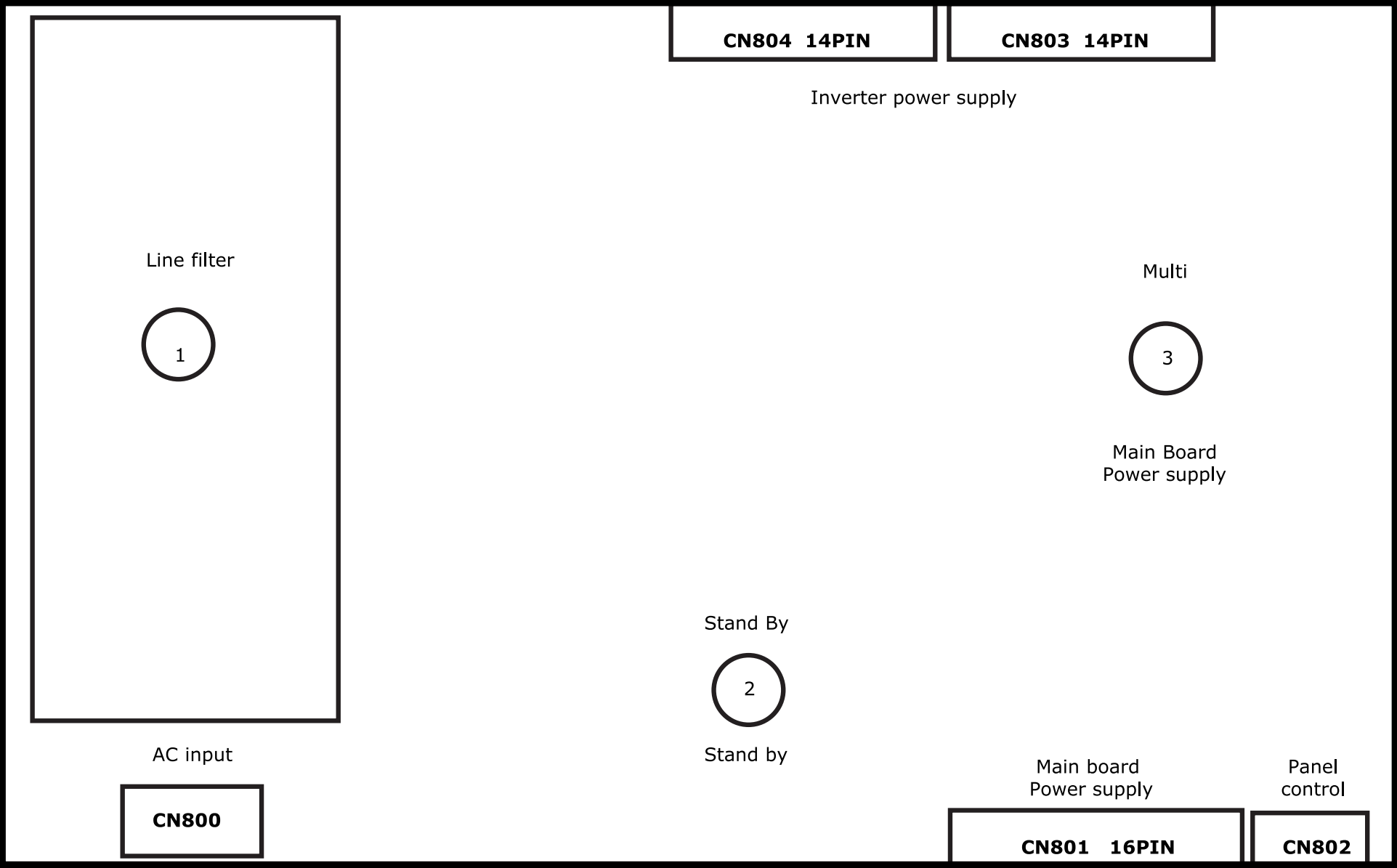
- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

CN804 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	A_D	B/L	P_D	GND

Function Define

- AUO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING



CN801 - AC Input

PIN	I	2
NAME	Live	Netural
VOLTAGE	AC	AC

Function Define

- Refer to : AC Input

CN801 - Main Board power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NAME	13V	GND	5.4V	5.4V	5.4V	GND	GND	GND	12V	12V	12V	GND	GND	GND	ST7V	PWR

Function Define

- ST7V Stand-By Output
- PWR Power On/Off Control

- Refer to : CN801 function define

CNM804 - Panel control

PIN	1	2	3	4	5
NAME	SW_inverter	Ana_dimming	PWM_dimming	GND	SENSOR POWER

Function Define

- Refer to : CN815 function define

CN803 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	GND	B/L	A_D	P_D

Function Define

- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

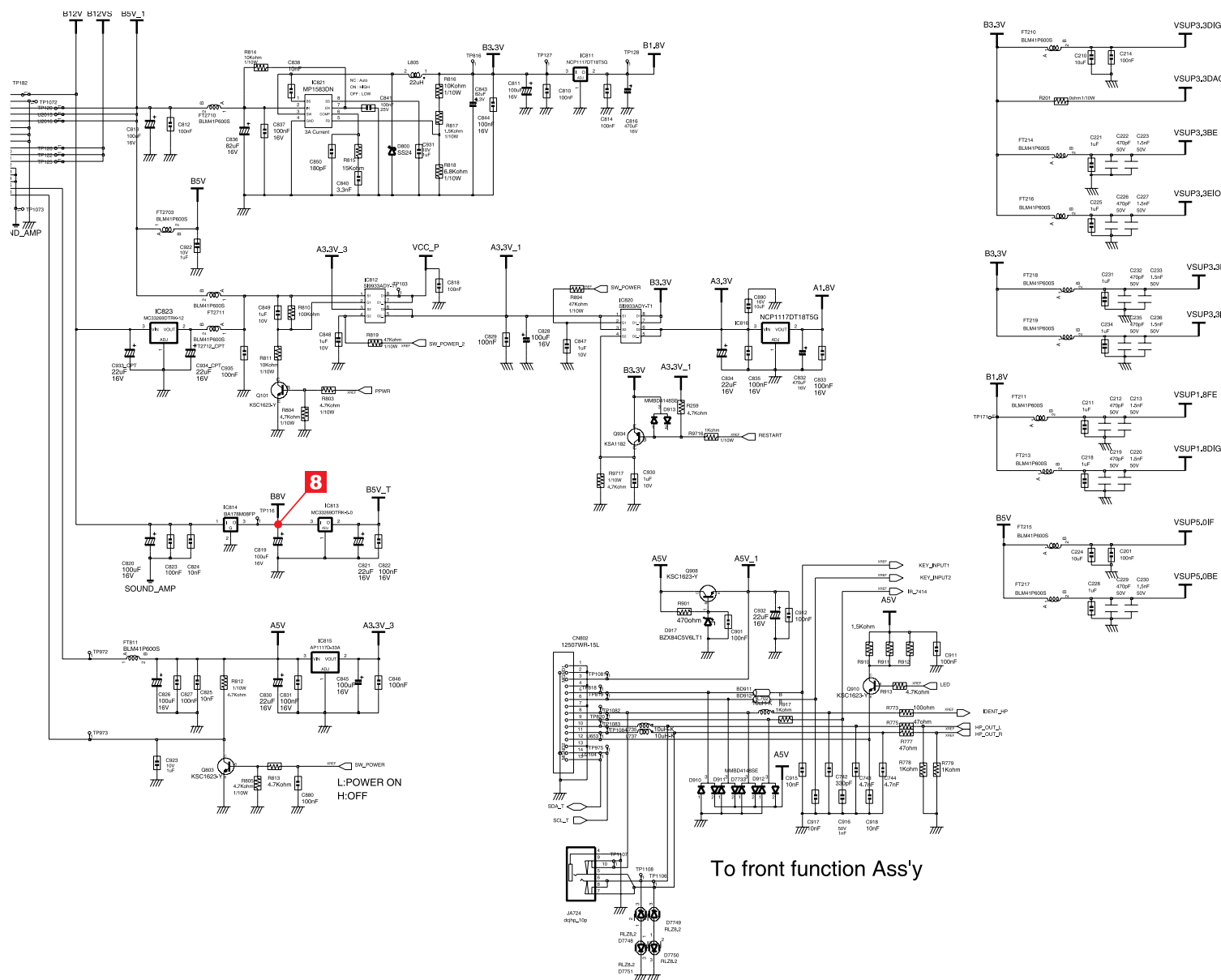
CN804 - Inverter power supply

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14
NAME	24V	24V	24V	24V	24V	GND	GND	GND	GND	GND	B/D	P_L	GND	B/L

Function Define

- CMO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- P_D PWM_DIMMING

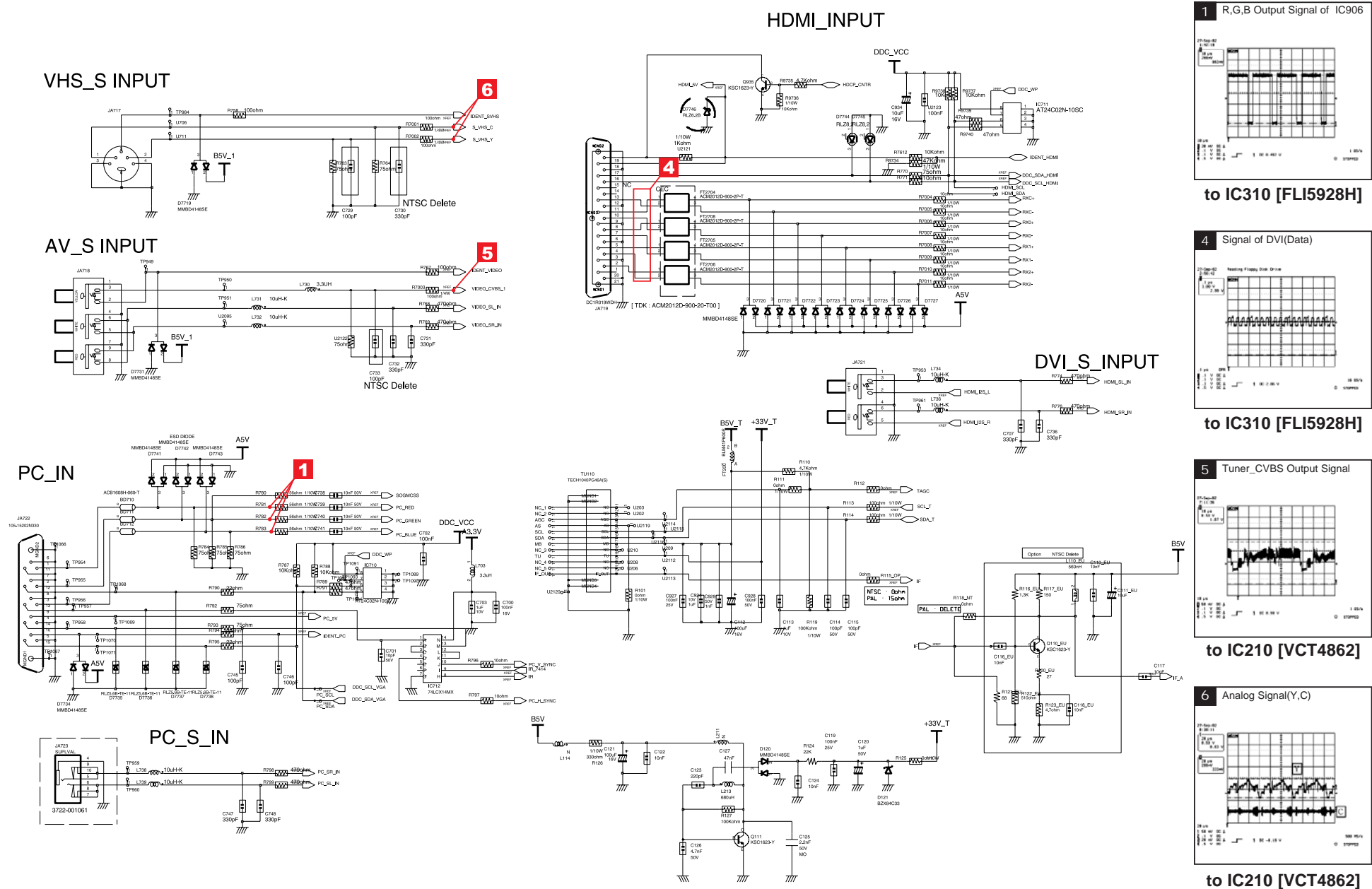
9-1 Power & Function Schematic Diagram



9 Schematic Diagrams

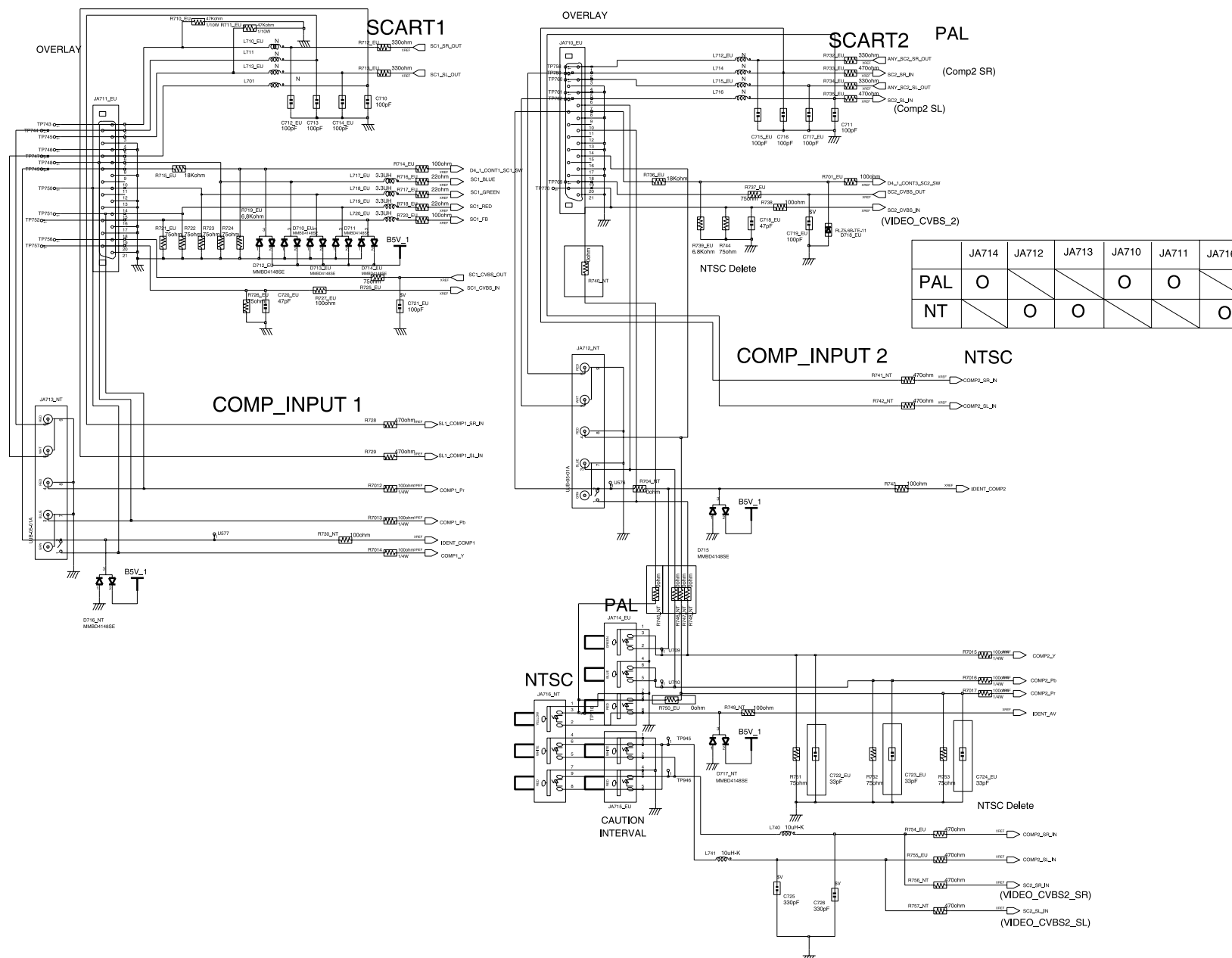
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9-2 In_Out_Jack Schematic Diagram



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9-3 In-Out-Jack Schmatic Diagram

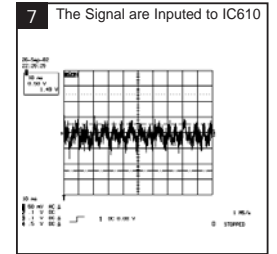
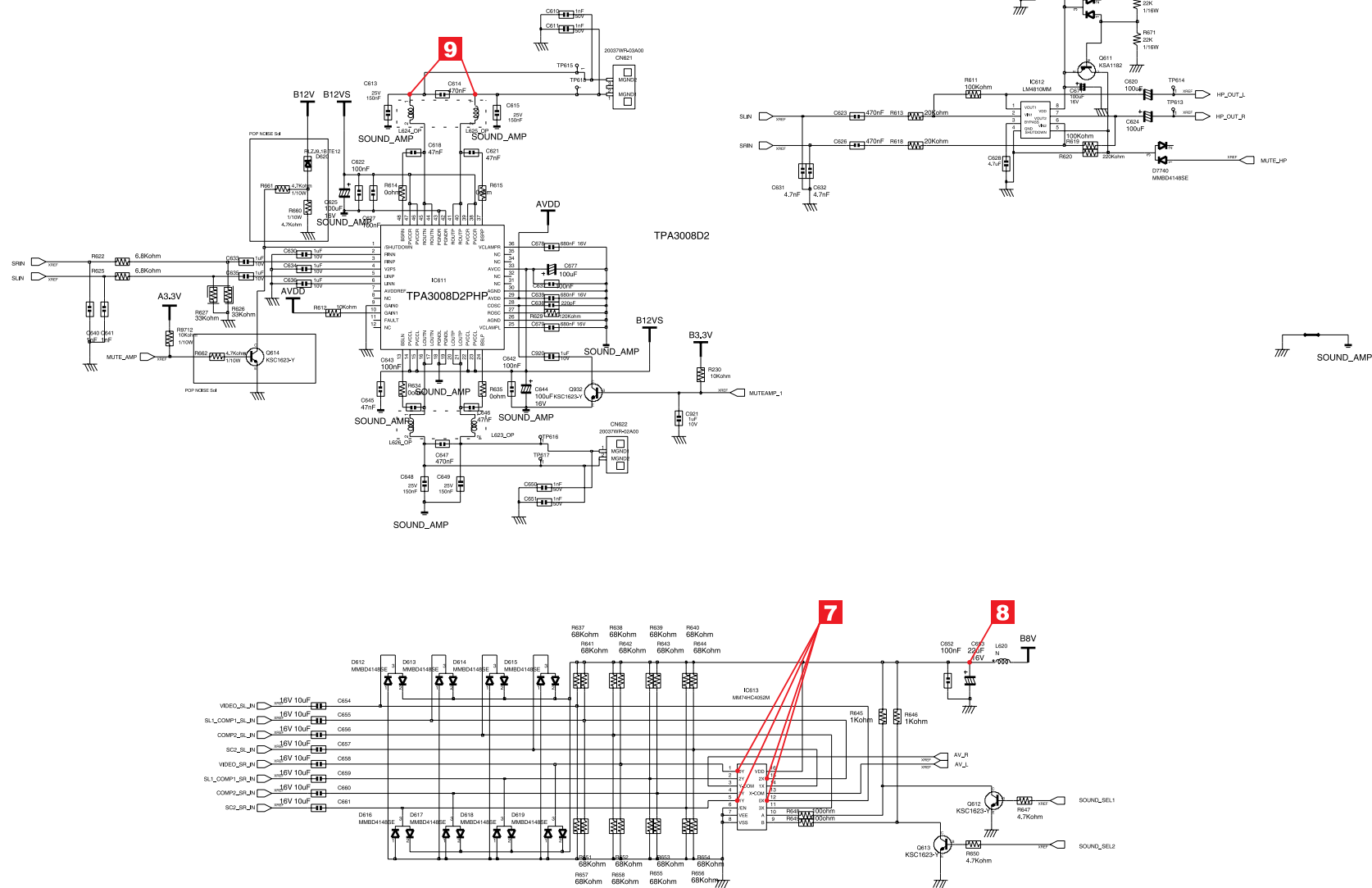


9 Schematic Diagrams

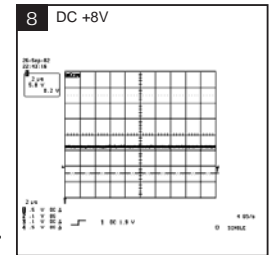
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9-4 Video Decoder & Sound Processing IC Schematic Diagram

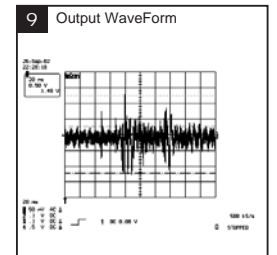
SOUND AMP



to IC210 [VCT4862]



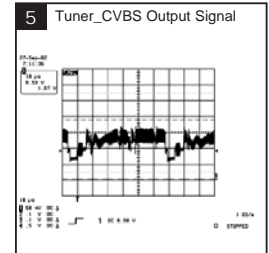
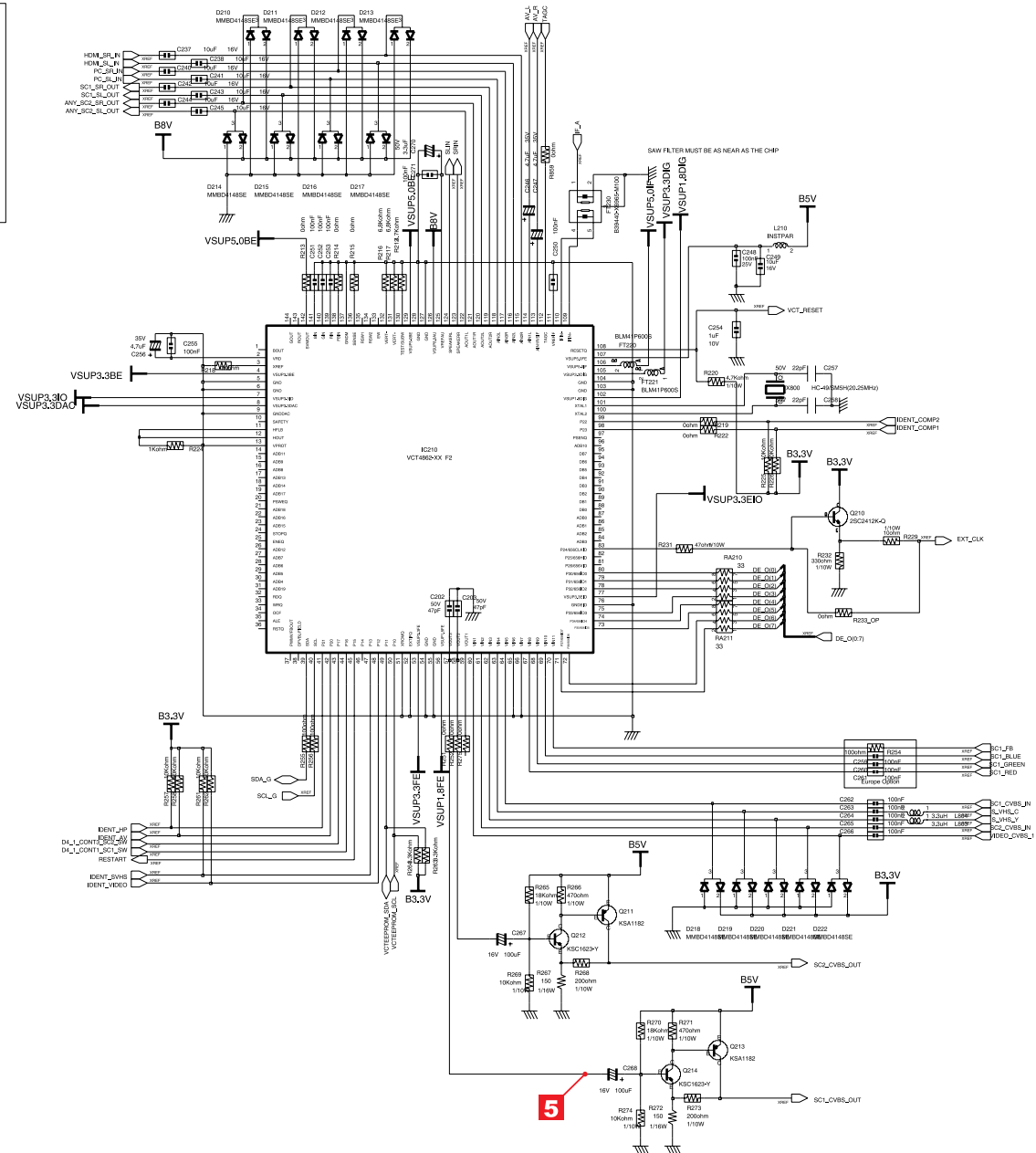
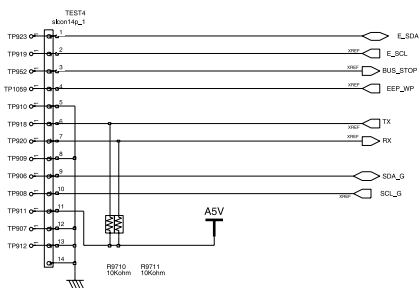
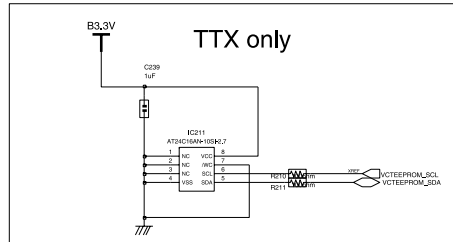
to IC210 [VCT4862]



to CN621 / CN622

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9-5 Sound Amp Schmatic Diagram

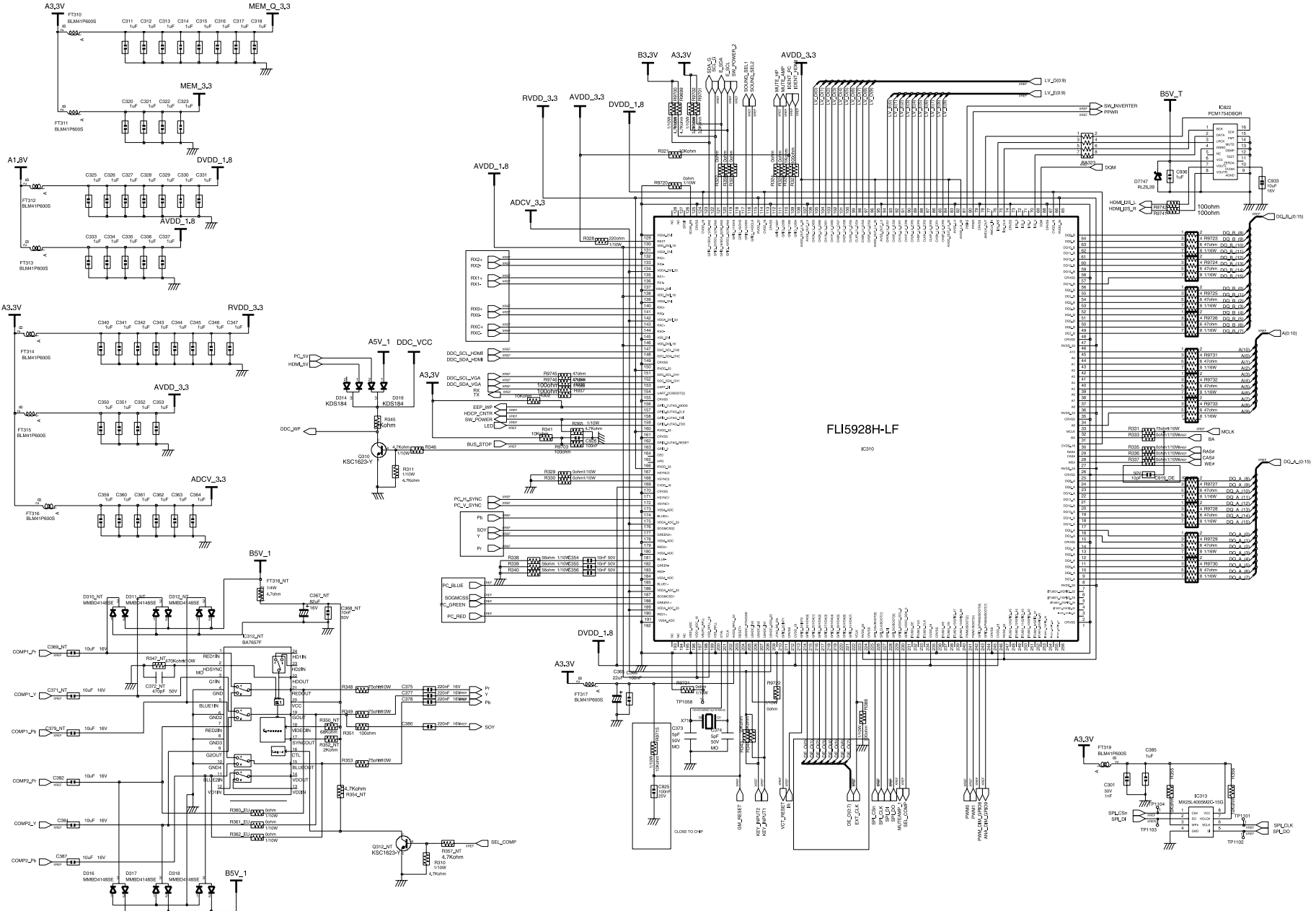


to IC210 [VCT4862]

9 Schematic Diagrams

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9-6 Scaler IC Schmetic Diagram



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9-7 Memory & LVDS Output Schmatic Diagram

