



GBD37CC

LA37R71B1

液晶显示器



时尚特点

- 豪华超薄设计
- 超级画质
- 超级音质
- 优质
- 方便用户使用

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LA37R71B 维修手册

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商标

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Macintosh、Power Macintosh 是 Apple 计算机公司的商标。

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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*).

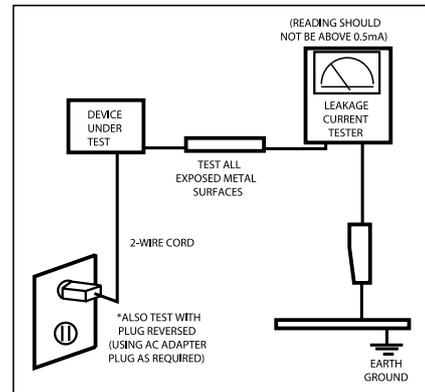


Figure 1-1. Leakage Current Test Circuit

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 Static Electricity 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. Otherwise, it may cause a fire or electric shock.
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 high-voltage 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.

1 Precautions

Memo

2 产品规格

2-1 时尚特点

超级数字接口和联网

-带有内置 HD 数字调谐器，无需特定机顶盒即支持 HD 广播，并且通过单个遥控器即可方便地接入。

卓越的画质

-通过 DNle 技术，可以产生栩栩如生的清晰图像。

动态对比度

-自动检测输入视频信号并调节出最佳对比度。

节能

-调节电视的亮度，以降低功耗。

SRS TruSurround XT

-SRS TruSurround XT 提供虚拟杜比环绕系统。

方便

-电视利用 HDMI 系统，产生完美的数字声音和画质。

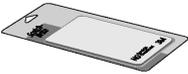
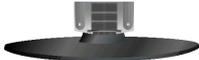
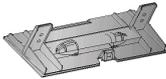
2-2 LA37R71B 规格

项目	说明	
液晶显示屏	薄膜晶体管液晶显示屏、RGB 竖条纹、正常白色、37 英寸可视，0.511（水平）×0.511（竖直）mm 像素点距	
扫描频率	水平：30 kHz~61 kHz（自动）/ 竖直：60 Hz~75 Hz（自动）	
显示颜色	16,777, 216 种颜色	
最大分辨率	水平：1360 像素 竖直：768 像素	
视频输入信号	75Ω 时，模拟 0.7Vp-p±5%，正，内部端接	
输入同步信号	类型：单独分开的H/V 电平：TTL 电平	
最大像素时钟率	80 MHz	
有效显示 水平/竖直	556.4 mm/339.8mm	
交流电源电压和频率	AC 110~240 伏，50~60Hz	
功耗	170W<1W	
尺寸（宽×深×高） 本机	800 x 252 x 602.5mm（31.5 x 9.92 x 23.72英寸）安装底座后 800x 79.6 x 564mm（31.5 x 3.13 x 22.20英寸）无底座	
重量 本机（安装底座后）	14.8 kg (32.62lbs)	
电视制式	调谐	频率合成
	制式	PAL、SECAM
	声音	单声、立体声、NICAM
环境因素	工作温度：50°F~104°F（10°C~40°C） 工作湿度：10%~80% 存放温度：-4°F~113°F（-20°C~45°C） 存放湿度：5%~95%	
天线输入	75 欧姆	
声音特点	-最大内部扬声器输出：右：5W/左：5W -低音控制范围：-8 dB~+8dB -高音控制范围：-8 dB~+8dB -耳机输出：10mW 最大 -输出频率：RF: 80Hz ~ 15 kHz A/V: 80Hz ~ 20 kHz	

2-3 规格比较

型号	LA26R51B/LA32R51B/LA40R51B	LA37R71B
设计		
频率 水平 竖直 显示颜色	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 种颜色	30 ~ 61 kHz 60 ~ 75 Hz 16,777,216 种颜色
PC 分辨率 最大模式	WXGA, 1360 x 768 @ 60 Hz	WXGA, 1360 x 768 @ 60 Hz
输入信号 同步信号 视频信号	单独分开的 H/V、TTL、P 或 N 0.7 Vp-p, @75 欧姆	单独分开的 H/V、TTL、P 或 N 0.7 Vp-p, @75 欧姆
功耗 普通 省电	140W / 184W / 285W < 1W	170W < 1W

2-4 选装件规格

项目	项目名称	代号	备注
	遥控器和电池 (AAA×2)	BN59-00507A	
	电源线	3903-000067	
	清理布	BN63-001798A	
	使用说明书	BN68-01010A	
	底座	BN90-00889A	
	底盖	BN63-02366A	

3 调整和调节

3-1 操作说明

1. 通常，一台彩色电视录像机仅需要在安装时进行些许微调。检查高度、行场同步这样的基本特性。
2. 使用规定的检测设备或与之相当的设备。
3. 校准阻抗匹配是基本的调整步骤。
4. 避免过载。扫描发生器发出的过强的信号会使电视机的前端电路过负荷。当插入信号标志时，不要让标志信号发生器干扰测试结果。
5. 必须将电视机接到如后盖铭牌规定的电压和频率的交流电源上。
6. 当电视机通电时，禁止连接或断开导线。在更换零件以前，应保证电源线已经断开。
7. 为了防止触电，应使用隔离变压器。

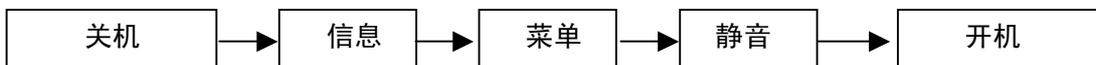
3 调整和调节

3-2 如何访问维修模式

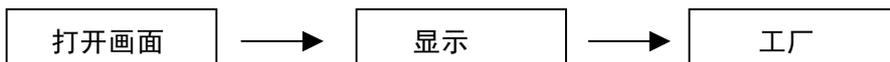
3-2-1 输入工厂模式

1. 输入“维修模式”，按此顺序按遥控键：

- 如果你没有工厂遥控模式



- 如果你有工厂遥控模式



- 按钮只在维修模式时才有效。

1. 遥控键：电源（Power）、上箭头（Arrow Up）、下箭头（Arrow Down）、左箭头（Arrow Left）、右箭头（Arrow Right）、菜单（Menu）、输入（Enter）数字键（Number Key）（0~9）

2. 功能控制键：电源（Power）、CH +、CH -、VOL +、VOL -、菜单（Menu）、电视/视频（TV/VIDEO）（输入）

3-2-2 面板检查

特别是对LA37R71B**机型，由于做了如下不同的调节，你必须检查**面板标志**。首先，检查标签的额定值！

1) 标签额定值文件



如果**面板标志**为“A”，则按以下步骤设置工厂模式。

面板 BOM（材料单）：BN07-00289A

面板和电源单元之间的连接器：BN39-00603A
（250mm）

* 选项字节

1. Gamma "AUO"
2. 面板选项"AUO_AMVA"

如果**面板标志**为“S”或没有印刷。则应按以下步骤设置工厂模式。

面板 BOM（材料单）：BN07-00247A

面板和电源单元之间的连接器：BN39-00603M
（300mm）

* 选项字节

1. Gamma " OFF "
2. 面板选项" AMLCD_INT"

其它类型如下所示。

3-3 工厂数据

1. 校准
2. 选择表 XXXX XXXX
3. 白平衡
4. SVP-PX
5. 选择模块
6. STV8257/STA323W
7. YC延时
8. 调节
9. I2C检查
10. 黑白电源
11. 校验和
12. 复位
13. 扩展频谱

T-BRDMPEA-0161 (主Micom版本)

T-BRDMPEUS-1000 (副Micom版本)

月/日/年/分/秒

1. 校准
 - 1) AV 校准
 - 2) COMP校准
 - 3) PC校准
 - 4) HDMI校准
2. 选择表 XXXX XXXX

Inch选项	32"	载波静音	通	TTX组	自动
Gamma	断	语言	英语	自动电源	通
面板选项	AMLCD_INT	自动FM	通	Magazine LNA	断
2HDMI	断	高偏移	断	----	G
亮度传感器	断	TTX	通	----	断
节能	通	TTX列表	Flof	调试	断
LBE/FBE	断	ACR	断	频道表	SUWON
FRC (Micronas)	断	动态CE	通	iDTV_Cntry	UK
FRC (三星)	断	动态亮度调节	通	动态对比度	断
LNA	断	调谐器TOP	8		

3 调整和调节

1. 校准

AV校准	EXE
COMP校准	EXE
PC校准	EXE
HDMI校准	EXE

2. 选择表

Inch选项	23"/32"/37"/40"/46"/57"
Gamma	OFF/AUO/CMO/AMLCD
面板选项	AUO / CMO/AMLCD_INT/Panel3 / Panel4 / Panel5 / Panel6
2Hdmi	断
亮度传感器	FF
节能	通
LBE/FBE	断
FRC (Micronas)	断
FRC2X	断
LNA	断
载波静音	通
语言	英语
自动 FM	通
高偏移	断
TTX	通
TTX列表	Flof
ACR	断
动态CE	通
动态亮度调节	通
调谐器TOP	8
TTX组	自动
自动电源	通
Magazine LNA	断
调试	断
频道表	SUWON
iDTV_Cntry	UK
动态对比度	断

BORDEAUX INCH选项			
	Panel Maker	Gamma	面板选项
26	AUO	AUO	AUO
32	AUO	AUO	AUO
32	AMLCD	断	AMLCD_INT
37	AUO	AUO	AUO
40	AMLCD	AMLCD	AMLCD_INT

3. 白平衡

Sub亮度	ADJ
R-偏移	ADJ
G-偏移	128
B-偏移	ADJ
Sub对比度	100
R-增益	ADJ
G-增益	100
B-增益	ADJ

4. SVP-PX

梳状滤波器	Y-滤波器	80H
	H2增益	05H
	H4增益	02H
	V2增益	0CH
	V4增益	04H
	Sr2增益	02H
	Sr4增益	00H
	SI2增益	02H
	SI4增益	08H
	峰值th1	04H
	峰值th2	2F H
	峰值th3	3F H
NR	Y_NR_OFF	80H
	C_NR_OFF	80H
	Y_NR_ON	80H
	C_NR_ON	80H

RGB校准	R-偏移	48H
	G-偏移	48H
	B-偏移	48H
	R-增益	55H
	G-增益	55H
	B-增益	55H

ADC校准	TCD3对比度	78H
	TCD3亮度	20H
	TCD3 CR	80H
	TCD3 CB	80H
	TCD3延时	00H
	模拟Y偏移	41H
	模拟PB偏移	80H
	模拟PR偏移	80H
	模拟Y增益	CBH
	模拟PB增益	9AH
	模拟PR增益	9AH
	黑电平	00H
	Svp亮度	00H

3 调整和调节

校准目标		低	高	增量
	AV ADC	17H	D5H	02H
	COMP ADC	0F H	EBH	02H
	PC ADC	17H	D5H	04H
	全部RGB	00H	DDH	08H

彩色管理	皮肤色说明	微红
	皮肤色增强	40H
	绿色延展	00H
	蓝色延展	00H

5. 选择模块

FRC (Micrinas)		
FRC2X		
LBE/FBE	测试图形	00H
	BLACK_TILT	000
	BlackGain_MAX	000
	LOWER_FUNC	000
	UPPER_FUNC	000
	SKIN_EN	000
	SKIN_T_X	000
	SKIN_T_Y	000
	ColorGain	000

6. STV8257/STA323W

CH1 音量	40H
CH1 音量	40H
AGC 增益	06H
AV-预引比例	00H
AV 延时	41H
梳状滤波延时	41H
HDMI 延时	41H
PC 延时	41H
L1 Att/Rel 阈值	7FH

7. YC 延时

RF PAL-B/G	AAH
RF PAL-D/K	99H
RF PAL-I	99H
RF SECAM-B/G	88H
RF SECAM-D/K	44H
RF SECAM-L/L'	88H
RF NTSC3.58	66H
RF NTSC4.43	CCH
AV PAL	AAH
AV SECAM	88H
AV NTSC 3.58	BBH
AV NTSC4.43	AAH
AV PAL60	77H

8. 调节

视频静默时间	10	
音乐音量	9	
Ana_Dimm_Max	FEH	
LNA PLUS	RFDB-1电平	2
	RFDB-2电平	5
	RFDB-3电平	9
	RFDB-4电平	24
饭店选项	饭店模式	关
	通道1电源开	1
	音量电源开	10
	最大音量	100
	本机键锁定	关
	电源接通	RF

3 调整和调节

9. I2C 检查	EXE																														
10. 黑白电源	<table border="1"><tr><td>黑白电影</td><td>关</td></tr><tr><td>彩色模式</td><td>电影</td></tr><tr><td>W1 R增益</td><td>161</td></tr><tr><td>W1 B增益</td><td>74</td></tr><tr><td>W1 R偏移</td><td>119</td></tr><tr><td>W1 B偏移</td><td>140</td></tr><tr><td>W2 R增益</td><td>162</td></tr><tr><td>W2 B增益</td><td>47</td></tr><tr><td>W2 R偏移</td><td>113</td></tr><tr><td>W2 B偏移</td><td>146</td></tr><tr><td>电影对比度</td><td>70</td></tr><tr><td>电影亮度</td><td>50</td></tr><tr><td>电影色彩</td><td>45</td></tr><tr><td>电影清晰度</td><td>25</td></tr><tr><td>电影色调</td><td>暖色调2</td></tr></table>	黑白电影	关	彩色模式	电影	W1 R增益	161	W1 B增益	74	W1 R偏移	119	W1 B偏移	140	W2 R增益	162	W2 B增益	47	W2 R偏移	113	W2 B偏移	146	电影对比度	70	电影亮度	50	电影色彩	45	电影清晰度	25	电影色调	暖色调2
黑白电影	关																														
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W1 R增益	161																														
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电影色彩	45																														
电影清晰度	25																														
电影色调	暖色调2																														
11. 校验和	EXE																														
12. 复位	EXE																														
13. 扩展频谱	<table border="1"><tr><td>频谱</td><td>开</td></tr><tr><td>增量</td><td>3</td></tr><tr><td>正</td><td>8</td></tr><tr><td>负</td><td>2</td></tr></table>	频谱	开	增量	3	正	8	负	2																						
频谱	开																														
增量	3																														
正	8																														
负	2																														

3-4 维修调节

3-4-1 白平衡 - 校准

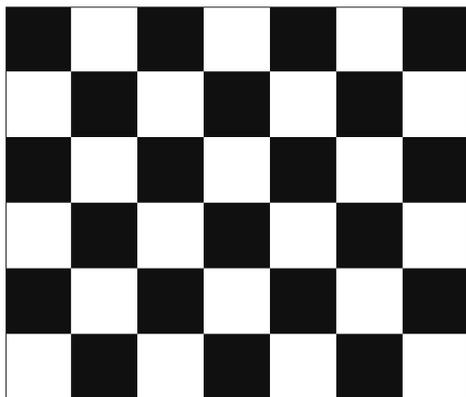
如果图片颜色不对，首先进行校准。

设备：CA210图形：棋盘图形

在工厂模式进行校准

AV 信号源： PAL 合成信号成分： 1280*720/60Hz

PC： 1024*768/60Hz



(棋盘图形)

3-4-2 白平衡 - 调节

如果图片颜色不对，检查白平衡条件。

设备：CA210， 图形：东芝

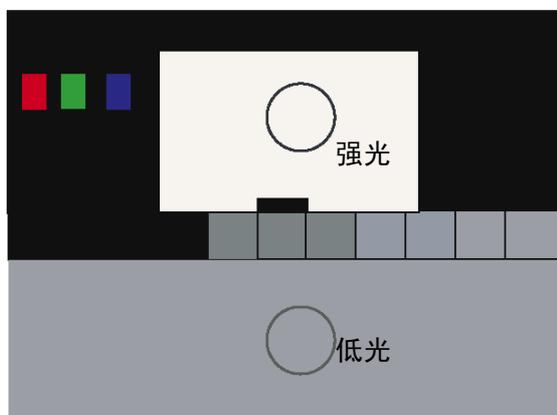
在工厂模式调节黑白

分亮度和 R/G/B 偏移控制低光区

分对比度和 R/G/B 增益控制强光区

AV 信号源： PAL 合成信号成分： 1280*720/60Hz

HDMI[DVI]： 1280*720/60Hz



[测试图形： MSPG-945 系列图形#16]

*色温

1500K +/-500, -6 ~-20 MPCD

*彩色坐标

H/L: 267/263 +/- 2 35.0 Ft +/- 2.0 英尺

L/L: 270/260 +/- 3 1.5 Ft +/- 0.2 英尺

东芝图形

3 调整和调节

3-4-3 测量条件

1. 以东芝 ABL 图形为基础：强光电平（57 IRE）
-输入信号发生器：MSPG-925LTH
*模式号 2：744X484@60 Hz
第 6：1280X720@60 Hz
第 21：1024X768@60 Hz

*图形第 36：16 彩色图形
第 16：东芝 ABL 图形
2. 光学测量设备：CA210（FL）
对于 LE26M51B/LE32M51B/LE40M51B/LE46M51B 型号，请使用 MSPG-925 LTH 发生器。

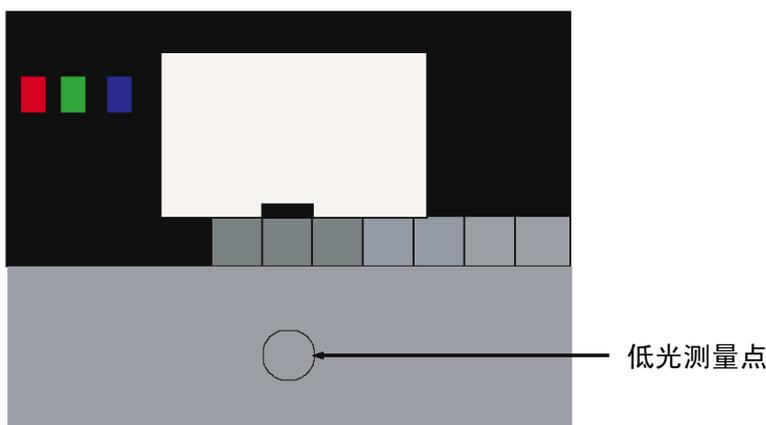
3-4-4 调节方法

1. 调节 AV 的白平衡、元件和 DVI 模式。
(AV → 元件)
a) 设置进行调节的模式的输入信号
(RF → DTV → PC → DVI)。
* 输入信号 - 视频模式：型号#2（744*484 模式），图形#16
- DTV, DVI 模式：型号#6（1280*720 模式），图形#16
- HDMI 模式：型号#6（1280*720 模式），图形#16

b) 输入工厂彩色控制模式，确认数据。

c) 调节低光。（在调节位置的模式参见表 1、2）
 - 调节分亮度，设置“Y”值。
 - 根据彩色坐标调节红色偏移（'x'）和蓝色偏移（'y'）。

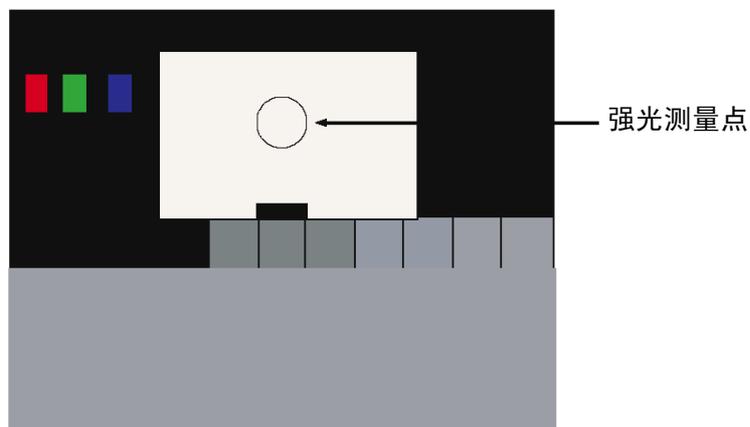
图片 4-2 东芝 ABL 图形



- * 禁止调节绿色偏移数据。
- d) 调节强光。（在调节位置的模式参见表 1、2）
 - 根据彩色坐标，调节红色增益（'x'）和蓝色增益（'y'）。
 - * 禁止调节绿色增益和分对比度（Y）数据。

- d) 调节强光。(在调节位置的模式参见表 1、2)
- 根据彩色坐标, 调节红色增益 ('x') 和蓝色增益 ('y')。
 - * 禁止调节绿色增益和分对比度 (Y) 数据。

图片 4-3 东芝 ABL 图形



3 调整和调节

3-5 软件升级

3-5-1 如何省级闪存

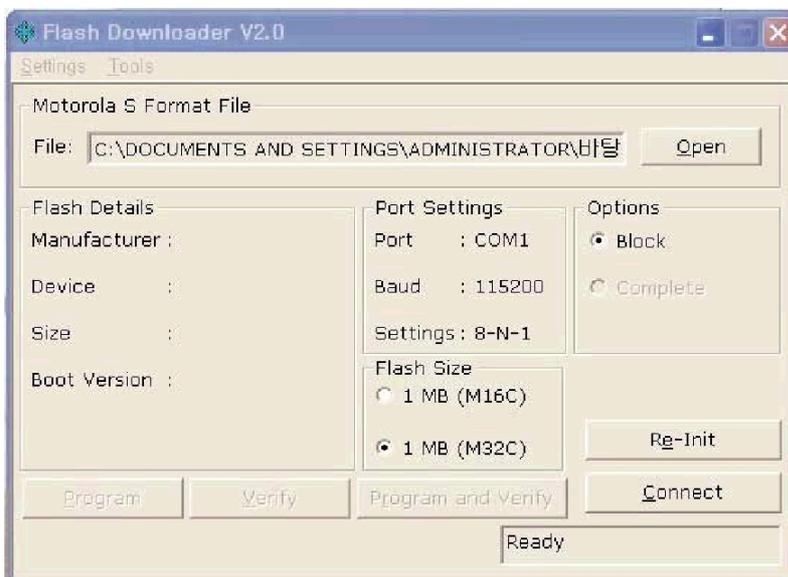
1. 安装闪存下载程序

利用 ConnectSet（维修插孔）和电缆夹具，执行升级程序。



2. 闪存下载程序升级

- 接通电视机电源以前，点击 OSD 屏幕下的“connect”（连接）。
- 接通电视机电源。



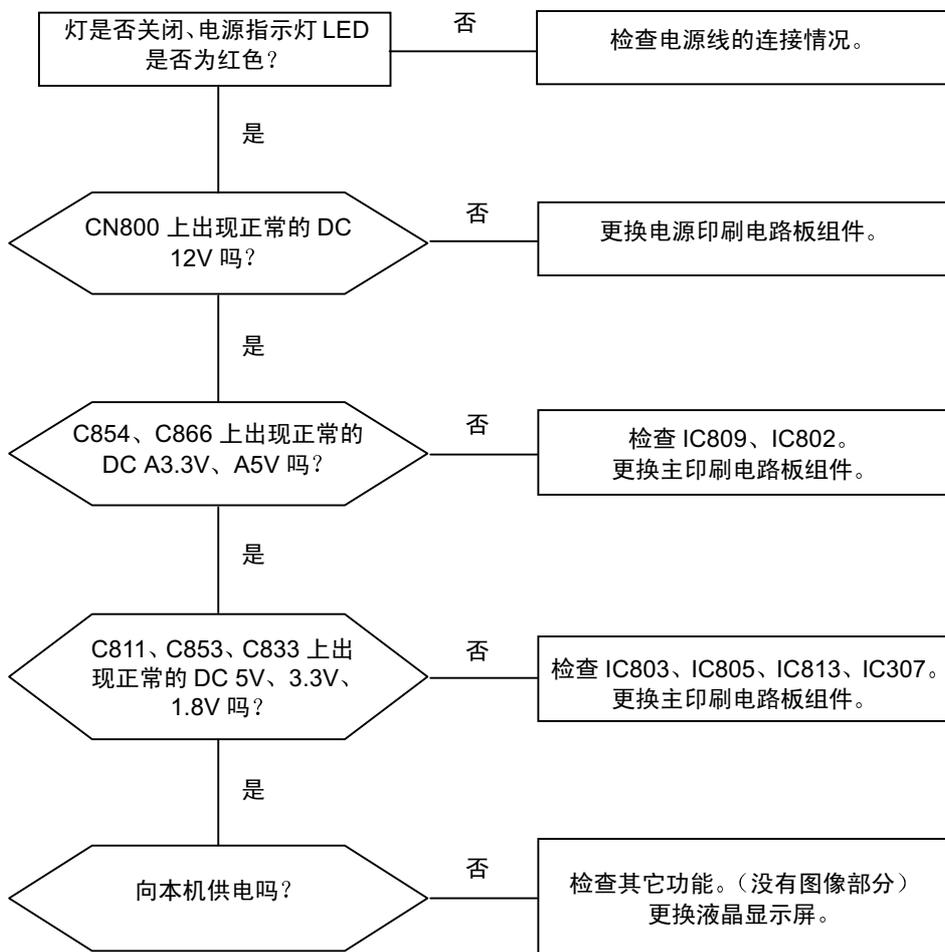
4 故障排除

4-1 故障排除首次检查表

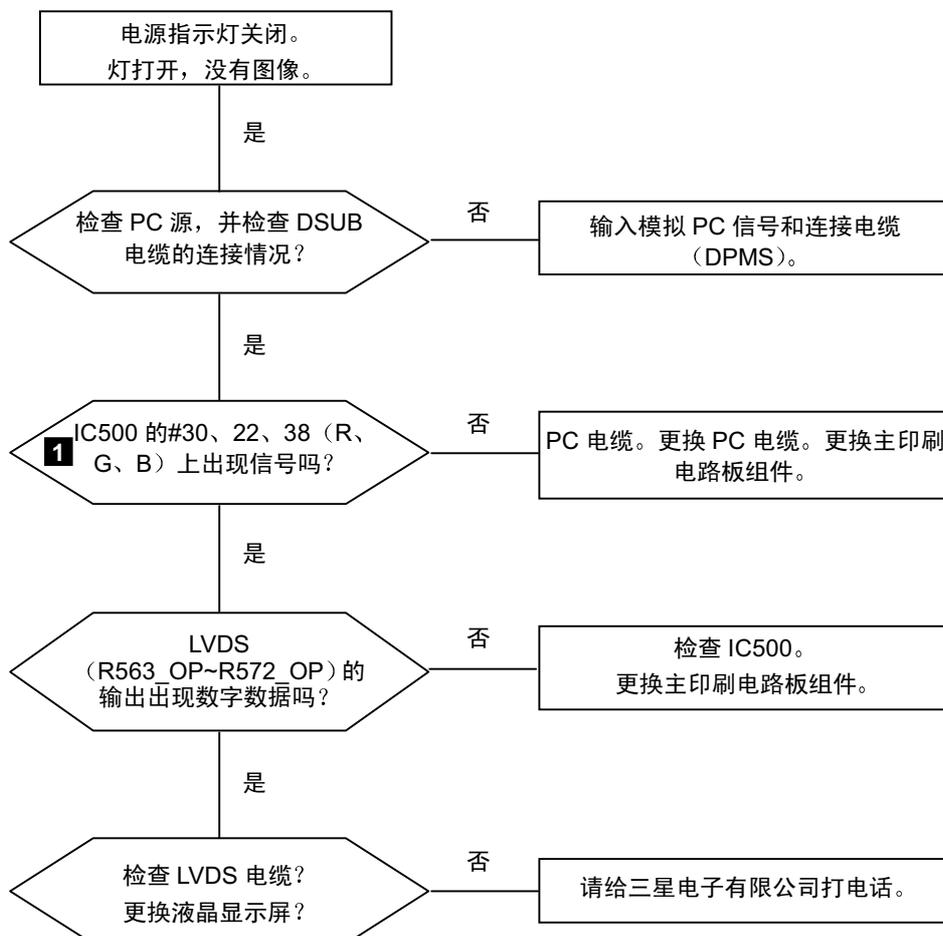
1. 首先检查各电缆连接情况。
 - 检查是否有烧坏或损坏的电缆。
 - 检查连接电缆是否断开，或连接处太松。
 - 检查是否依据连接图连接电缆。
2. 检查主板的电源输入。
3. 检查 SMPS 和主板之间、SMPS 和变换器板之间以及主 LVDS 板之间的输入和输出电压。

4-2 按错误模式分类的检查点

4-2-1 未通电

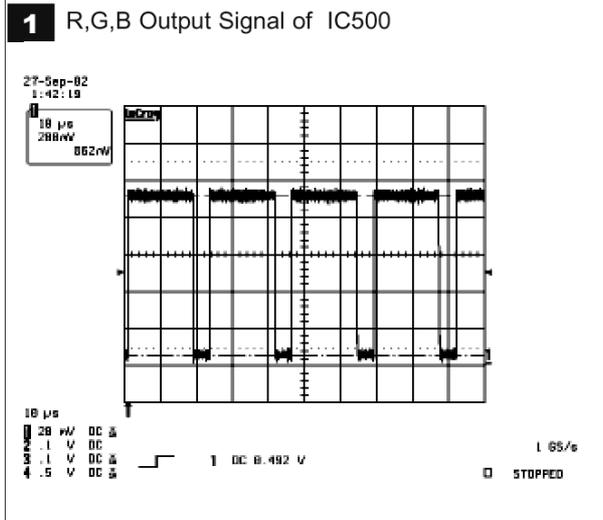


4-2-2 无图像（模拟 PC）

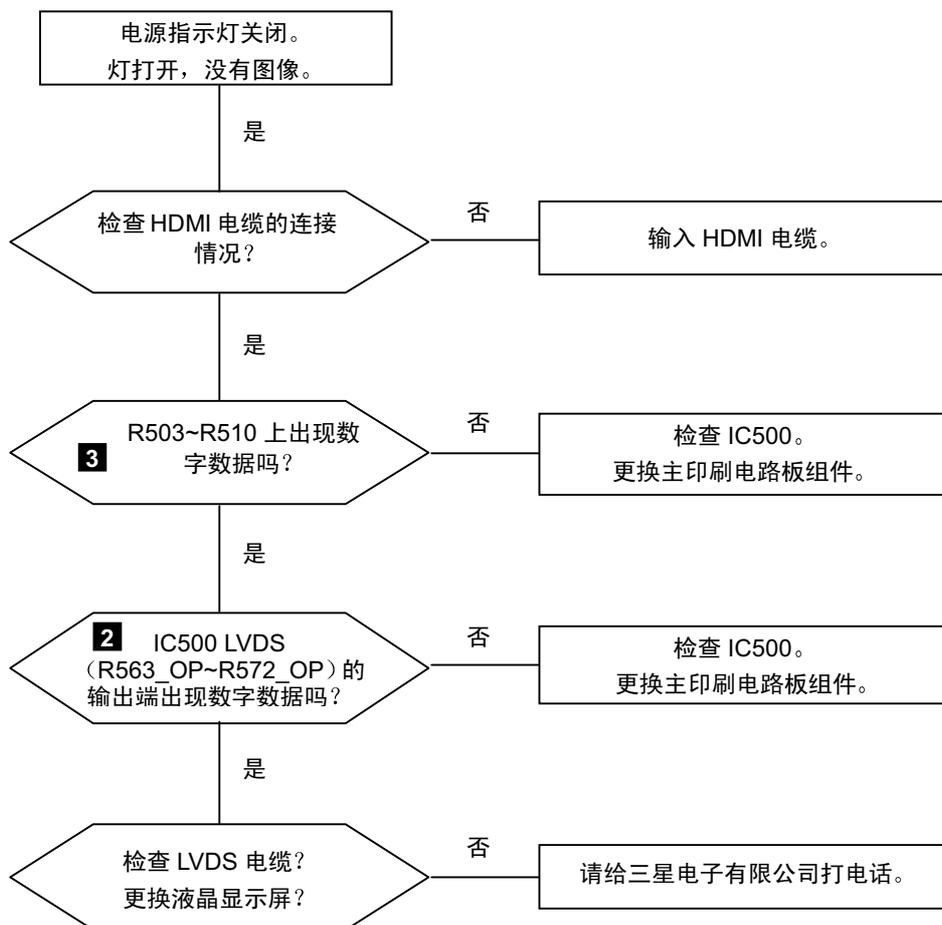


4 故障排除

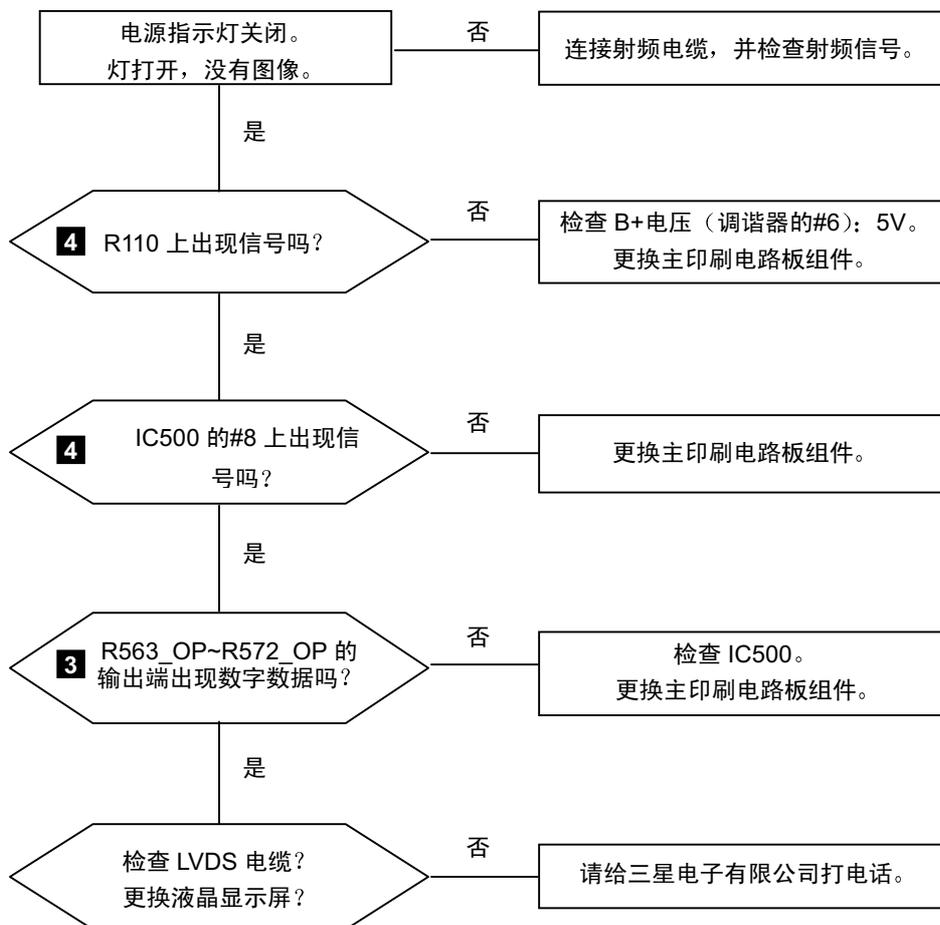
波形



4-2-3 没有图像（数字 HDMI）

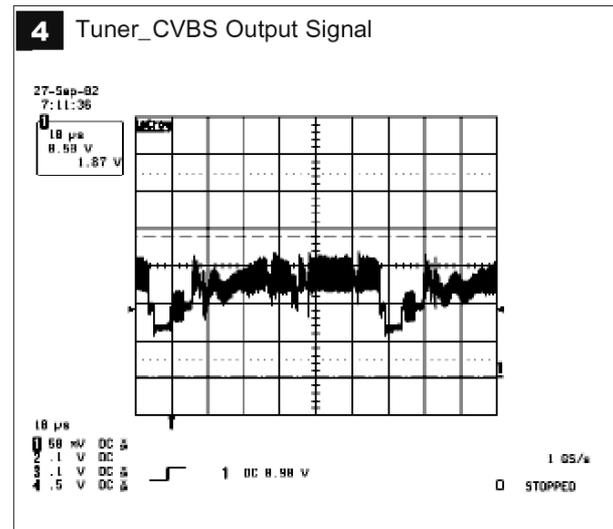
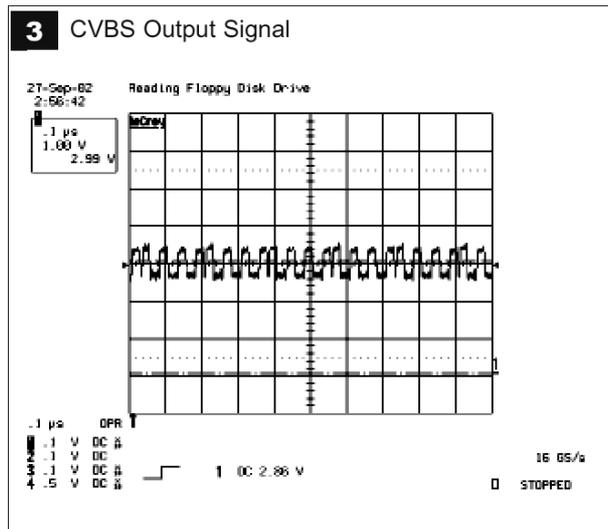


4-2-4 没有画面 (Tuner_CVBS)

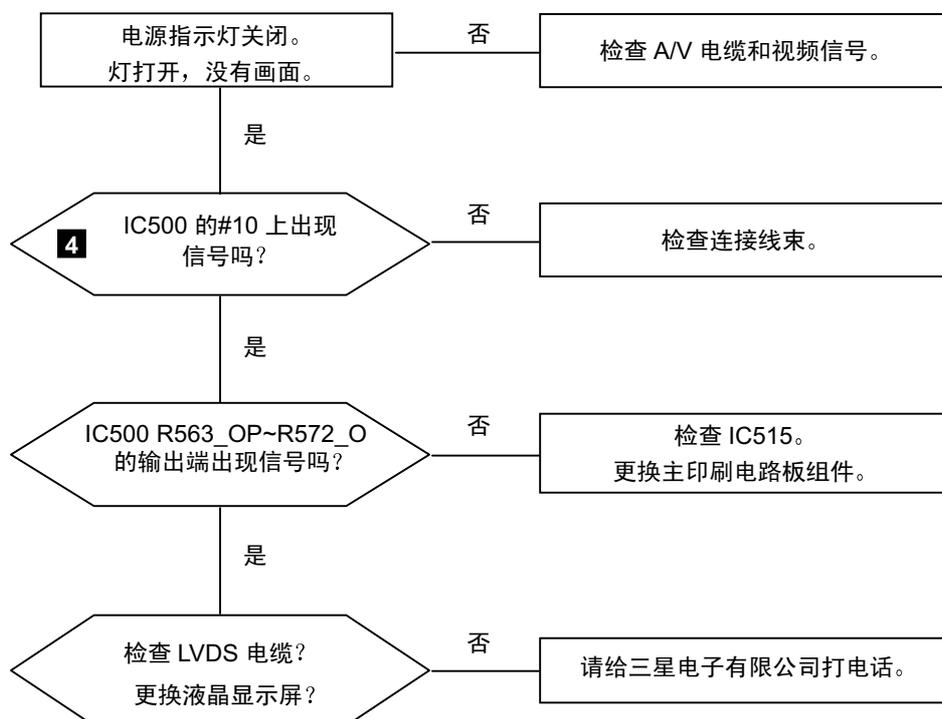


4 故障排除

波形



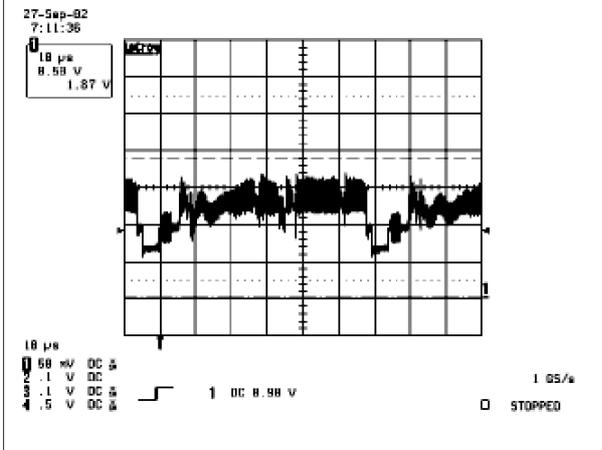
4-2-5 没有画面 (Video_CVBS)



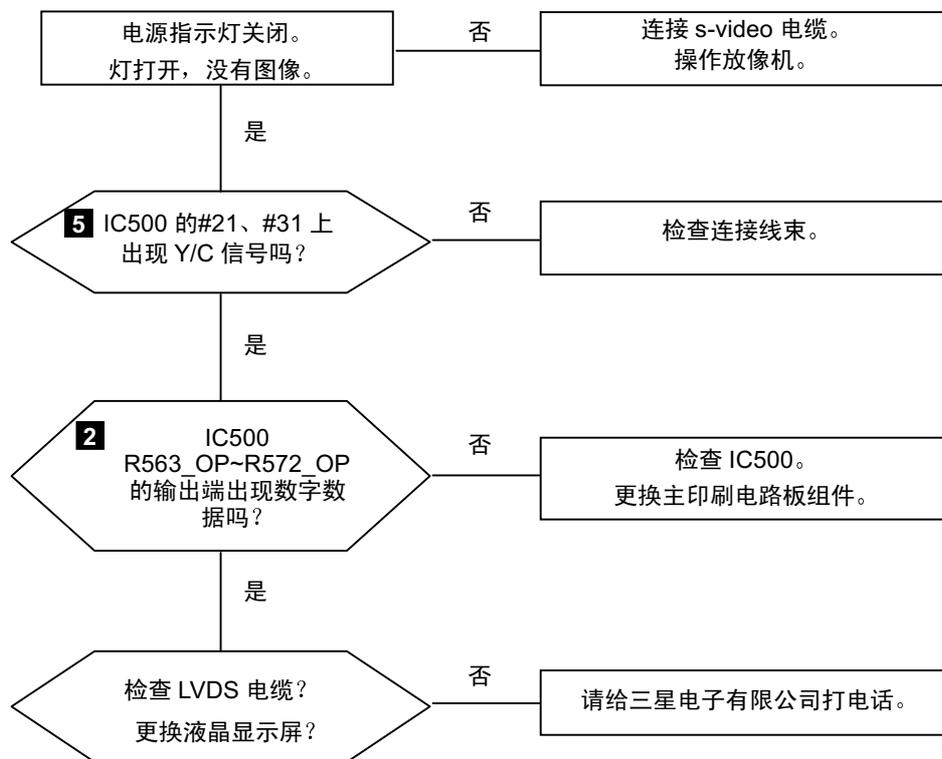
4 故障排除

波形

4 CVBS Output Signal



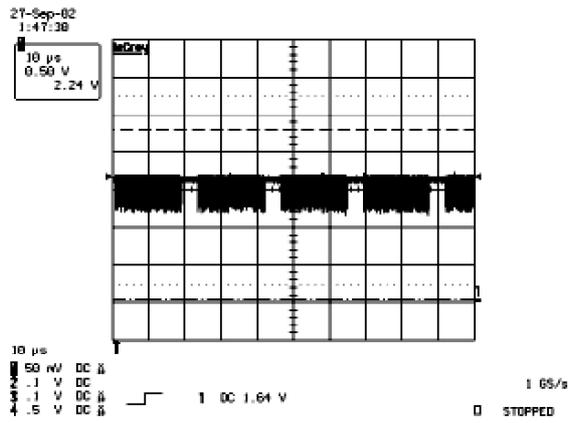
4-2-6 没有画面 (S-VIDEO_Y, C)



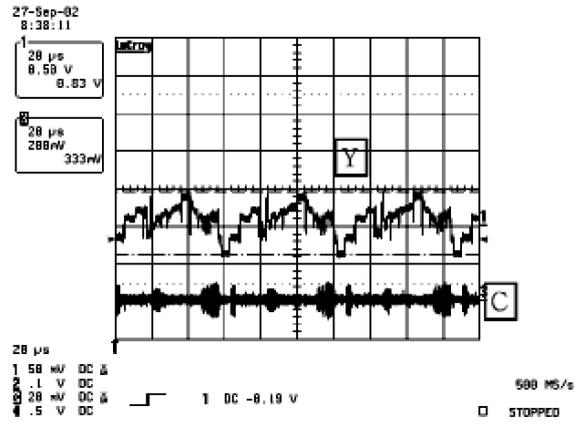
4 故障排除

波形

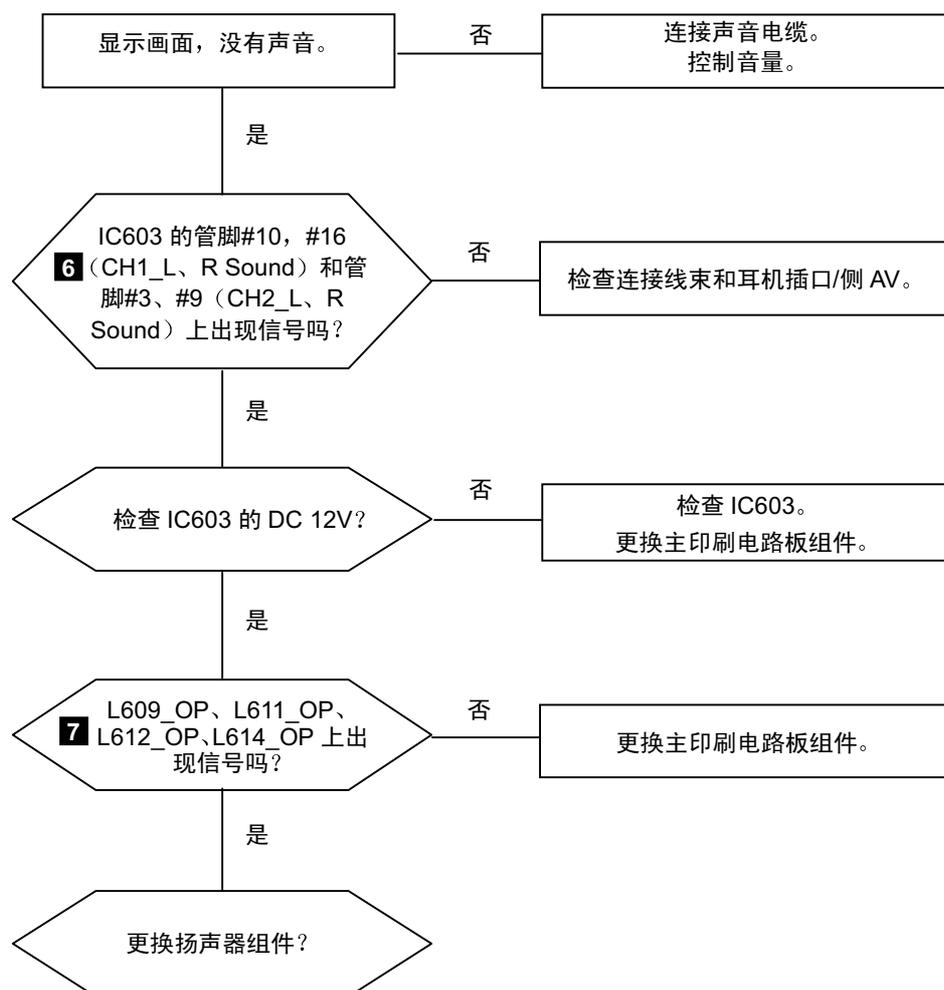
2 Digital Output Data of IC500



5 Analog Signal(Y,C) to IC500



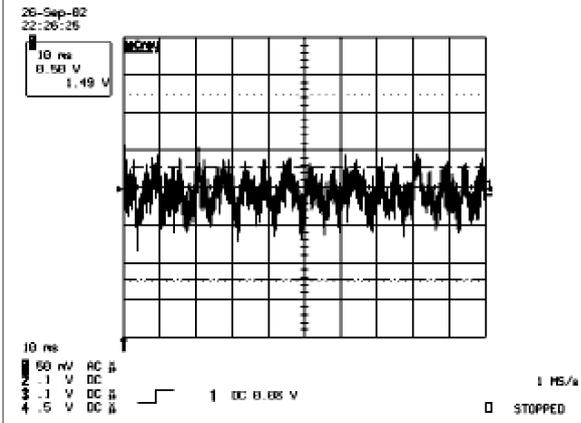
4-2-7 没有声音



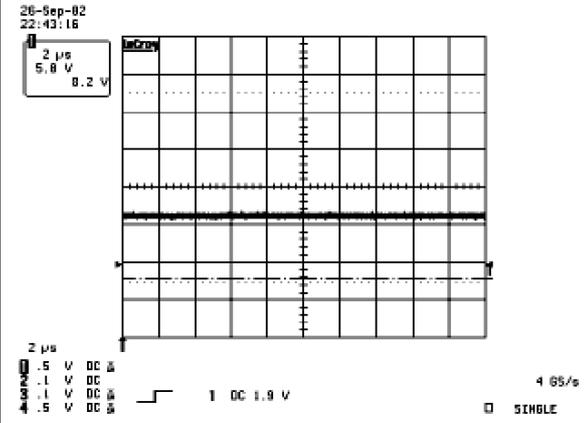
4 故障排除

波形

6 The Signal are Inputed to IC603



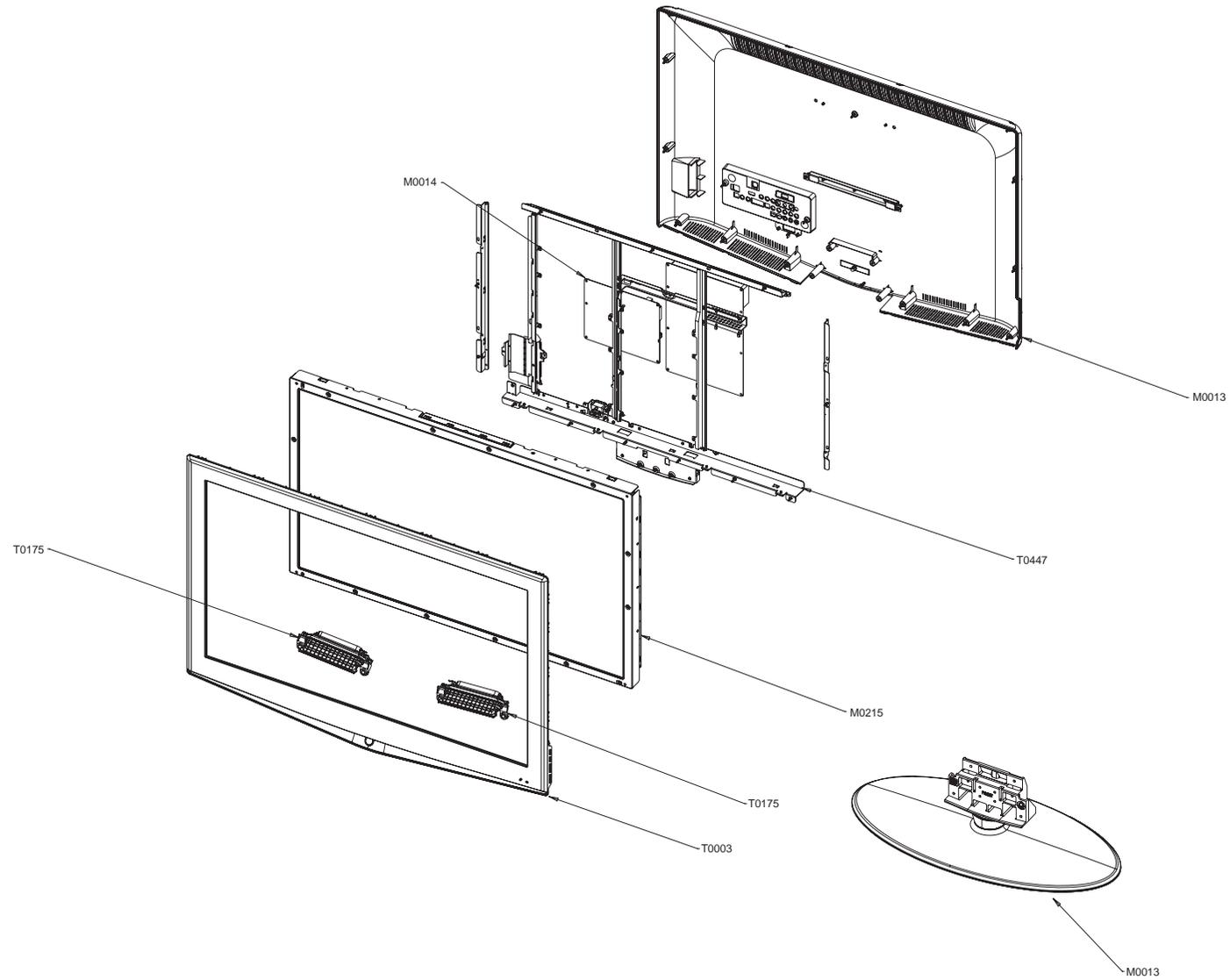
7 DC +12V



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 LA37R71B1 Exploded View



5-2 LA37R71B1 Parts list

Location	Code.No	Item & Specification	Q'ty	SA/SNA	Remark
T0003	BN96-03852A	ASSY COVER P-FRONT;37R71,CO,ABS+PMMA,HB,	1	S.A	
T0175	BN96-04207A	ASSY SPEAKER P;8ohm,VE Type,Left,10W,Hor	1	S.A	
T0175	BN96-04208A	ASSY SPEAKER P;8ohm,VE Type,Right,10W,Ho	1	S.A	
M0215	BN07-00255A	LCD-PANEL;T370XW01,8bit,877.0*514.6*54.7	1	S.A	
T0447	BN96-03253A	ASSY BRACKET P-PANEL;BORDEAUX-2,37,AUO,S	1	S.N.A	
M0014	BN94-01015B	ASSY PCB MAIN;LA37R71BX/*	1	S.A	
M0013	BN96-03256B	ASSY COVER P-REAR;37R72,CO,ABS+PMMA,HB,B	1		
M0013	BN96-03016A	ASSY STAND P-BASE;40R71,-,ABS+PMMA,HB,BK	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 LA37R71B1 Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
0		LA37R71B1X/XTT	LA37R71B1,Q62E/37R70-GBD,37,LCD-TV,CHINA	0	
0.1	M0002	BN90-00888B	ASSY COVER REAR;37R72,CO,ABS+PMMA,HB,BK2	1	S.N.A
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	1	S.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)	14	S.A
..2	M0013	BN96-03256B	ASSY COVER P-REAR;37R72,CO,ABS+PMMA,HB,B	1	S.A
...3	CCM1	BN63-02183G	COVER-SHEET;RhcM,PE Vinyl,T0.05,1100mm,2	1	S.N.A
...3	M0006	BN63-02359C	COVER-REAR;37R72,CO,ABS+PMMA,HB,BK23,H/G	1	S.N.A
...3	T0071	BN64-00445D	INLAY-TERMINAL;32,37,40R71,PS SHEET,T0.5	1	S.N.A
...3	T0069	AA60-00091J	SPACER-FELT;-FELT,330X10,-,-,BLK,T0.5,-	2	S.N.A
...3	T0064	BN65-00002A	CLAMPER CORE;BORDEAUX,PP,V0,BLK	1	S.N.A
...3		BN61-02776A	HOLDER-WALL;32R7,ABS,HB,BLK	1	S.N.A
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A
0.1	M0216	BN90-00889A	ASSY STAND;37R72,BORDEAUX-2	1	S.N.A
..2	T0524	6902-000358	BAG PE;HDPE/NITRON(DOUBLE),T0.02/T0.5,W9	1	S.N.A
..2	M0013	BN96-03016A	ASSY STAND P-BASE;40R71,-,ABS+PMMA,HB,BK	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	4	S.A
...3	T0920	BN61-02246A	GUIDE-STAND;40R71,ABS,V0,BLK	1	S.A
...4	T0514	BN61-02368A	BRACKET-SUPPORT;BORDEAUX 40,SECC,T1.2	2	S.N.A
...3		BN61-02247A	HOLDER-SWIVEL RING;40R71,ACETAL,BLK	1	S.N.A
...3		BN61-02248A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,T	1	S.N.A
...3		BN61-02249A	HOLDER-SWIVEL RING;40R71,ACETAL NATUAL,B	1	S.N.A
...3		BN61-02259A	BRACKET-STAND BOTTOM;BORDEAUX 40,SGHC,T3	1	S.N.A
...3		BN61-02260A	BRACKET-HINGE SWIVEL;BORDEAUX 40,SGHC,T3	1	S.N.A
...3	T0004	BN63-02364A	COVER-STAND BASE;40R71,ABS+PMMA,HB,BK23,	1	S.N.A
...3		BN63-02365A	COVER-STAND SUB;40R71,ABS+PMMA,HB,BK23,H	1	S.N.A
...3	T0132	BN73-00052A	RUBBER FOOT;ARES 17,SILICON,DIA 17 * T1.	4	S.N.A
...3	CCM1	BN63-02183E	COVER-SHEET;RhcM,PE Vinyl,T0.05,750mm,20	0.5	S.N.A
0.1	M0001	BN90-00989A	ASSY COVER FRONT;37R71,CO,ABS+PMMA,HB,BK	1	S.N.A
..2	T0003	BN96-03852A	ASSY COVER P-FRONT;37R71,CO,ABS+PMMA,HB,	1	S.A
...3	T0060	BN61-01655A	SPRING ETC;STS-304 SUS,D8,L12,T0.5	1	S.N.A
...3	CCM1	BN63-02183G	COVER-SHEET;RhcM,PE Vinyl,T0.05,1100mm,2	1,983	S.N.A
...3	T0056	BN63-02758A	COVER-DECORATION;BORDEAUX1 37,HIPS,HB	1	S.N.A
...3	M0112	BN63-02759A	COVER-FRONT;BORDEAUX1 37,ABS+PMMA,HB,BK2	1	S.N.A
...3	T0059	BN64-00366A	INDICATOR LED;ROME-I,PC,CLEAR,ALL MODEL	1	S.N.A
...3	T0054	BN64-00443A	KNOB-DECORATION;32R71,ABS,HB,GR503,VACUU	1	S.N.A
...3	T0061	BN64-00453A	WINDOW-REMOCON;32R71,PC,V0,VIOLET,DIFFUS	1	S.N.A
...3	M0145	BN96-03404A	ASSY BOARD P-FUNCTION&KNOB;Bordeaux,CT50	1	S.A
...4	T0022	BN64-00442A	KNOB CONTROL;26,32,40R71,PC,BLK,ACRYL CL	1	S.N.A
...4	M0145	BN96-03045A	ASSY BOARD P-FUNCTION;BORDEAUX,FUNCTION	1	S.A
...3	M0146	BN96-03405A	ASSY BOARD P-POWER;BORDEAUX1,CT5000-4140	1	S.A
...3	T0023	BN64-00342A	KNOB POWER;ROME,40,PC,VIOLET	1	S.N.A
...3	T0069	BP60-00015D	SPACER-FELT;617W,FELT,L760,T0.5,W10	1	S.N.A
...3	T0069	AA60-00091E	SPACER-FELT;-FELT,100X10,-,-,BLK,T0.5,-	2	S.N.A
...3	T0069	AA60-00171G	SPACER-FELT;43L2,FELT,505,T0.5,10	2	S.N.A
...3	T0069	AA63-60002W	SPACER-FELT;-FELT,-,-,BLK,T0.5,-,30X1	2	S.N.A
...3	M0279	BN63-00866A	FELT;AS17UO,FELT,0.5,10,140	2	S.N.A
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A
...3	M0081	6003-001188	SCREW-TAPTITE;BH,+,-,B,M4,L10,ZPC(WHT),S	2	S.N.A
..2	T0175	BN96-04207A	ASSY SPEAKER P;8ohm,VE Type,Left,10W,Hor	1	S.A
..2	T0175	BN96-04208A	ASSY SPEAKER P;8ohm,VE Type,Right,10W,Ho	1	S.A
0.1	MP1.0	BN91-00912H	ASSY LCD-AMZ;ROME 37",AUO(T370XW01)	1	S.N.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
.2	M0215	BN07-00255A	LCD-PANEL;T370XW01,8bit,877.0*514.6*54.7	1	S.A
0.1	M0017	BN91-01096A	ASSY CHASSIS;LA37R71BX/XTT	1	S.N.A
.2	M0014	BN94-01015B	ASSY PCB MAIN;LA37R71BX/*	1	S.A
...3	T0245	0202-001492	SOLDER-WIRE FLUX;HSE-02 LFM48 SR-34 S,-	0.25	S.N.A
...3	JA709	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A
...3	CN330	3711-004068	HEADER-BOARD TO CABLE;BOX,5P,1R,2MM,ANGL	1	S.A
...3	CN503	3711-005884	HEADER-BOARD TO BOARD;BOX,30P,2R,2mm,ANG	1	S.A
...3	CN330	3711-005942	HEADER-BOARD TO CABLE;BOX,16P,1R,2mm,STR	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	JA333	3722-002143	JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI	1	S.A
...3	JA333	3722-002360	JACK-PIN;3P,AU,GRN/BLU/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	JA333	3722-002362	JACK-PIN;2P,Sn,WHT/RED,STRAIGHT	1	S.A
...3	JA333	3722-002363	JACK-PIN;3P,Sn,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	CIS3	BN40-00083A	TUNER;TCPS3001PD32S(H),TCPS3001PD32S(H),	1	S.A
...3	M0107	BN63-01847A	SHIELD-COVER;ROME,SECC,T0,3,49.5,79.5,SI	1	S.N.A
...3	SUB07	BN73-00024C	SILICON/RUBBER-BERGQUIST;VENUS 32,40*,SI	1	S.N.A
...3	T0174	BN97-01058B	ASSY SMD;L37R71BX/*	1	S.N.A
...4	SUB05	0202-001477	SOLDER-CREAM;LST309-M,-,D20-45\$,-.96.5Sn/	3.033	S.N.A
...4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D200	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D201	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D202	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D226	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D227	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D228	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D307	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D320	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D321	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D322	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D323	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D324	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D325	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D326	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D327	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D451_NT	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D467	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D485	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D486	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D487	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D494	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	D801	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
...4	D906	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A
...4	D300	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D304	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D305	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D490	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D491	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D492	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D493	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D499	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D500	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D501	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D502	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D503	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D504	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D505	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
...4	D506	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	D507	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D508	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D509	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D510	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D511	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D512	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D513	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D909	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D911	0403-000620	DIODE-ZENER;RLZ5.6B,5.45-5.73V,500mW,LL-	1	S.A
....4	D301	0403-001016	DIODE-ZENER;RLZ6.2B,5.96-6.27V,500mW,LL-	1	S.A
....4	D418	0403-001169	DIODE-ZENER;RLZ16C,15.96-16.51V,500MW,LL	1	S.A
....4	D421	0403-001169	DIODE-ZENER;RLZ16C,15.96-16.51V,500MW,LL	1	S.A
....4	D101	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A
....4	D308	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D309	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D401	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D403	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D404	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D405	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D406	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D407	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D408	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D409	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D410_NT	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D411_NT	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D412_NT	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D428	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D461	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D462	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D470	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D471	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D472	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D483	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D484	0406-001172	DIODE-TVS;CDS3C30GTH,48V,0W,SMD	1	S.A
....4	D600	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D601	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D900	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	D901	0407-000123	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	1	S.A
....4	Q603	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	S.A
....4	Q100	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q301	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q501	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q600	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q601	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q602	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q605	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q606	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q609	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q802	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q900	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q904	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q905	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q906	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q972	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q973	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A
....4	Q222	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q800	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	S.A
....4	Q801	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	0505-000110	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	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A
....4	IC104	0801-002095	IC-CMOS LOGIC;74LCX245,TRANSCIEIVER,TSSOP	1	S.A
....4	IC900	0903-001432	IC-MICROCOMPUTER;M30840SGP,16Bit,LQFP,10	1	S.N.A
....4	IC605	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16	1	S.A
....4	IC905	1001-001109	IC-ANALOG SWITCH;FST3125M,BUS SWITCH & C	1	S.A
....4	IC107	1002-001399	IC-D/A CONVERTER;PCM1754,24BIT,SSOP,16P,	1	S.A
....4	IC110	1006-001076	IC-DRIVER/RECEIVER;MAX232ECWE+T,SOP,16P,	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	IC222	1105-001538	IC-VIDEO RAM;K4D263238,-,128M,4x1Mx32Bit	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	1201-002246	IC-AUDIO AMP;STA323W,SO,36P,15.9x11mm,-,	1	S.A
....4	IC910	1203-001559	IC-RESET;DS1834A,SOIC,8P,150MIL,PLASTIC,	1	S.A
....4	T0087	1203-001815	IC-POSI.FIXED REG.;78M09,TO-252,3P,-,PLA	1	S.A
....4	T0087	1203-001816	IC-POSI.FIXED REG.;78M08,TO-252,3P,-,PLA	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A
....4	T0087	1203-002855	IC-POSI.FIXED REG.;MC33269DTRK-5.0,DPRK,	1	S.A
....4	T0087	1203-002974	IC-POSI.FIXED REG.;AP1117D-25A,TO-252,3P	1	S.A
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A
....4	IC601	1204-002464	IC-AUDIO PROCESSOR;STV8257DSX,TQFP,80P,1	1	S.A
....4	IC118	1204-002503	IC-VIDEO PROCESS;SVP-PX56-7256,PQFP,256P	1	S.N.A
....4	R221	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R222	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9004	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9005	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9006	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9007	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9008	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9009	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9010	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9015	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9028	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R9032	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R976	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A
....4	R109	2007-000060	R-CHIP;100Kohm,1%,1/10W,TP,1608	1	S.A
....4	R807	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	S.A
....4	37_	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R321	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R440_NT	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R441_NT	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R442_NT	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R443_NT	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R444	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R446	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R456_NT	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R480	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R500	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R501	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R502	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R511	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R512	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R514_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R516	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R523	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R539	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R540	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R542	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R563_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R564_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A
....4	R565_OP	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R114	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R307	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R311	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R403	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R407	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R408	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R411	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R429	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R474	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R476	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R487	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R528	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R590	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R591	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R810	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R9026	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R946	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A
....4	R103	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R106	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R312	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R322	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R522	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R535	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R537	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R554	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R576	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9019	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9044	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9045	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R905	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R928	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R935	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A
....4	R530	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R532	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R925	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R926	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R963	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R964	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A
....4	R242	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R526	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R541	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R578	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R593	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R643	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R655	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R808	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R809	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9011_OP	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9033	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9034	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9035	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9036	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9037	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9038	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9051	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9052	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9053	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9054	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9055	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9056	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9057	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R908	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A
....4	R918	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R923	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R924	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R927	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R929	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R930	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R938	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R943	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R962	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R996	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R426	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R427	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R302	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R303	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R316	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	R459	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R473	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R515	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R519	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R555	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R556	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R610	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R661	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R673	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R801	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R803	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R804	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9029	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R9043	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R906	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R907	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R912	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R915	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R920	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R921	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R922	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R954	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R956	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R970	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R994	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R995	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R806	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	SA
....4	R664	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R666	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R101	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	R914	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA
....4	R313	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R601	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R646	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R652	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R657	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R665	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R993	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	SA
....4	R602	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R603	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R604	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R605	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R606	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R607	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R608	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R609	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R626	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R627	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R628	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R629	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R630	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R631	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R632	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R633	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	S.A
....4	R102	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R660	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R663	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R667	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R800	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	S.A
....4	R107	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R111	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R112	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	S.A
....4	R668	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	S.A
....4	R5004	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R550	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R551	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R553	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	S.A
....4	R638	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	1	S.A
....4	R236	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R237	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R238	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	S.A
....4	R9027	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	1	S.A
....4	R683	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	1	S.A
....4	R413	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R417	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R434	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R481	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R9012_OP	2007-000293	R-CHIP;100ohm,5%,1/4W,TP,3216	1	S.A
....4	R323	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R324	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R325	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R326	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R327	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R328	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R329	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R330	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R942	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R955_OP	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R957_OP	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R969	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R974	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R975	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R979	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R980	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R982	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R983	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R984	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R985	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R986	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R987	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R988	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R989	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R990	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R991	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R992	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R997	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	S.A
....4	R412	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R416	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	S.A
....4	R695	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	R9041	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	SA
....4	R9042	2007-000704	R-CHIP;3.6Kohm,5%,1/10W,TP,1608	1	SA
....4	R557	2007-000903	R-CHIP;430ohm,1%,1/10W,TP,1608	1	SA
....4	R117	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R118	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R414	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R415	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R418	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R477	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R478	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R482	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R902	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R903	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R948	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	1	SA
....4	R223	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA
....4	R228	2007-001014	R-CHIP;51OHM,5%,1/10W,TP,1608	1	SA
....4	R805	2007-001068	R-CHIP;6.8Kohm,1%,1/10W,TP,1608	1	SA
....4	R110	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R318	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R320	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R423	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R424	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R425	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R435	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R484	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R485	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R486	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R468	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R469	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R470	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R471	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R472	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R483	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R496	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R497	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R675	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SA
....4	R677	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SA
....4	R681	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SA
....4	R684	2007-008720	R-CHIP;4.7ohm,1%,1/4W,TP,3216	1	SA
....4	IC223	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA221	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA222	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA223	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA224	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA225	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA226	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA227	2011-000585	R-NET;47ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA903	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA904	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA906	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA907	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA908	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA910	2011-000651	R-NET;10ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA500	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA501	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA900	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA901	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA902	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA905	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA909	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA911	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA913	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA916	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	SA

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	RA917	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA918	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA919	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA920	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA921	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	RA922	2011-001093	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP,3216	1	S.A
....4	C6003	2203-000125	C-CER,CHIP;1.2nF,10%,50V,X7R,TP,1608,-	1	S.A
....4	C616	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C632	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	S.A
....4	C120	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	C303	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C486	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C511	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C512	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C513	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C514	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C516	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C517	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C518	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C521	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C522	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C523	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C524	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C525	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C526	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C527	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C529	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C530	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C532	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C533	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C534	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C535	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C537	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C538	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C545	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C548	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C549	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C551	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C553	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C554	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C555	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C558	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C560	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C561	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C564	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C565	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C566	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C567	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C568	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C569	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C570	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C571	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C572	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C573	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C577	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C588	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C589	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C590	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C591	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C593	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C595	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A
....4	C597	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C598	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C6004	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C6016	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C6017	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C620	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C625	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C626	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C627	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C628	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C644	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C649	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C651	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C652	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C660	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C664	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C680	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C682	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C687	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C801	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C803	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C805	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C812	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C813	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C815	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C817	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C834	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C836	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C839	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C840	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C849	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C867	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C868	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C900	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C904	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C943	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C117	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C118	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C269	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C270	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C401	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C403	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C404	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C405	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C406	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C407	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C412	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C413	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C423	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C424	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C487	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C488	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C6006	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C6007	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C6008	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C623	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C678	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C679	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C926	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C928	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C101	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C111	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C112	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C228	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C229	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C230	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C231	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C232	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C238	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C241	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C244	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C264	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C265	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C268	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C504	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C505	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C506	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C507	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C508	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C541	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C622	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C800	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C802	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C810	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C814	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C816	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C830	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C843	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C944	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A
....4	C841	2203-000405	C-CER,CHIP;0.18nF,5%,50V,C0G,1608	1	S.A
....4	C901	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C903	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C908	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C931	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C933	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C937	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,1608	1	S.A
....4	C114	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	S.A
....4	C575	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,1608	1	S.A
....4	C592	2203-000531	C-CER,CHIP;2.7nF,10%,50V,X7R,1608	1	S.A
....4	C500	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C510	2203-000552	C-CER,CHIP;0.02nF,5%,50V,C0G,1608	1	S.A
....4	C639	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C647	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C911	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C912	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C938	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C939	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A
....4	C842	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	1	S.A
....4	C304	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C305	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C483	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C484	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C688	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C696	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A
....4	C662	2203-000798	C-CER,CHIP;33nF,10%,16V,X7R,TP,1608,-	1	S.A
....4	C663	2203-000798	C-CER,CHIP;33nF,10%,16V,X7R,TP,1608,-	1	S.A
....4	C115	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C223	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C224	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C502	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C503	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C674	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C675	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	S.A
....4	C104	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C634	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	S.A
....4	C266	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A
....4	C411	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C629	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C106	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA
....4	C6009	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA
....4	C670	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C672	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C617	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C631	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C673	2203-001724	C-CER,CHIP;4700nF,+80-20%,16V,Y5V,3216	1	SA
....4	C103	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C110	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C221	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C222	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C235	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C236	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C261	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C501	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C519	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C528	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C543	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C601	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C640	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C641	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C642	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C643	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C657	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C665	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	C825	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C827	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C851	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C853	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C856	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C859	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C861	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C914	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C915	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C916	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C918	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C920	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C922	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C923	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C924	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C925	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C935	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C941	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C689	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	SA
....4	C697	2203-005030	C-CER,CHIP;470nF,+80-20%,50V,Y5V,TP,3216	1	SA
....4	C300	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C536	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C699	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C823	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C870	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C919	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C942	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C6001	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C6002	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C6005	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C6011	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C677	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C681	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C683	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C685	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA
....4	C690	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	SA

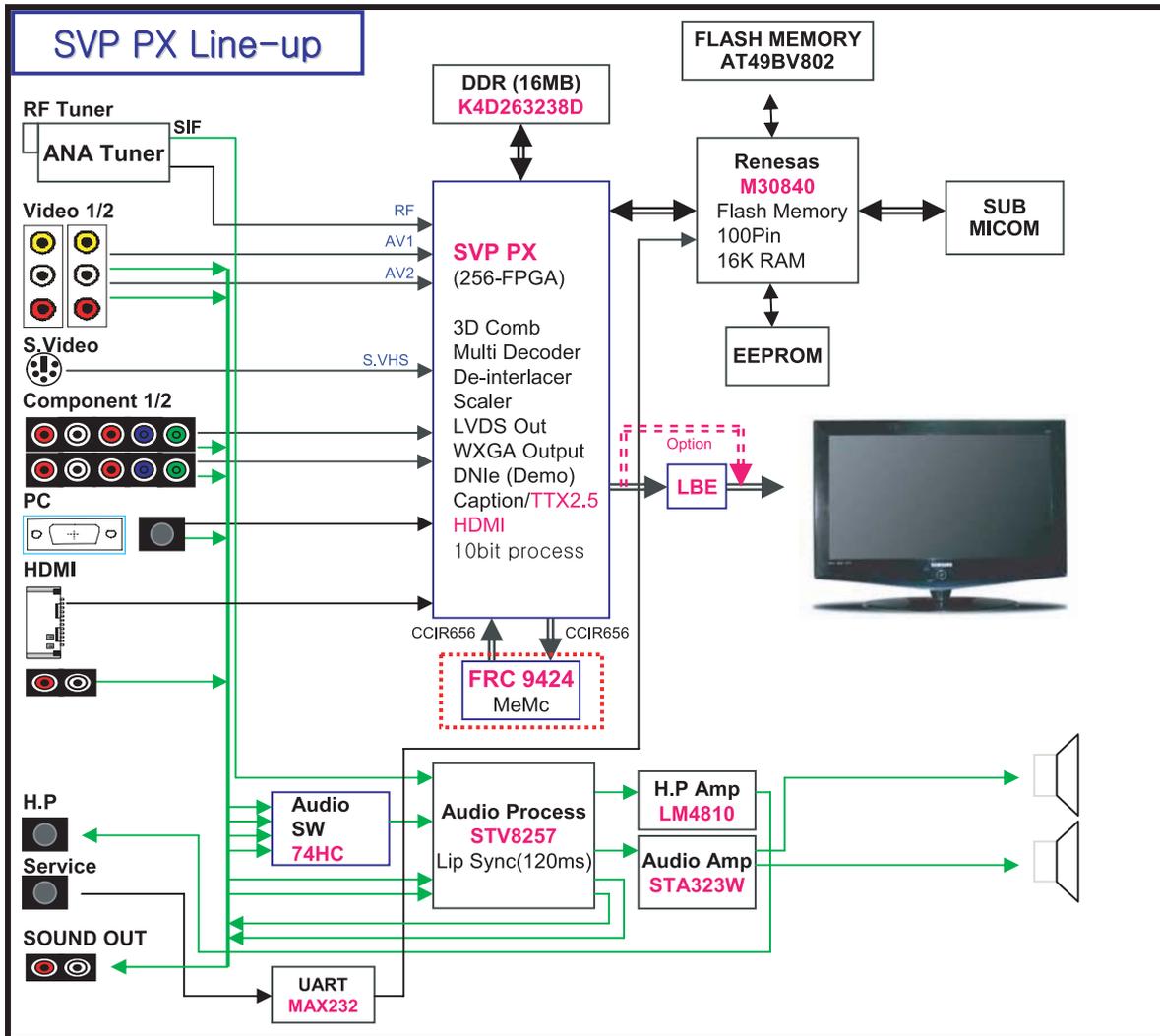
Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
....4	C691	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C692	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C693	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C694	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C695	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C698	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,1608	1	S.A
....4	C546	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C547	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C550	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C552	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C556	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C557	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C559	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C562	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C563	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C578	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C579	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C580	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C581	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C582	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C583	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C584	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C585	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C586	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C594	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C596	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	1	S.A
....4	C824	2203-005834	C-CER,CHIP;22000nF,+80-20%,10V,Y5V,3216	1	S.A
....4	C302	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C574	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C576	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C587	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C599	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C600	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C6015	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C603	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C604	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C605	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C606	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C607	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C608	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C609	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C610	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C611	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C613	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C618	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C619	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C621	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C624	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C630	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C636	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C645	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C646	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C648	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C650	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C653	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	C658	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C686	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C852	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C855	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A
....4	C921	2203-006333	C-CER,CHIP;10000nF,20%,16V,X5R,TP,3216	1	S.A

6 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	Q'ty	SA/SNA
..2	M0146	BN61-02242A	BRACKET-PANEL SIDE;Bordeaux 37,SECC,T1.2	1	S.N.A
..2	M0115	BN61-02258A	BRACKET-STAND LINK;Bordeaux 40,SECC,T1.6	1	S.N.A
..2		BN61-02470A	HOLDER-CLAMP DMD;NYLON 6/6,NATURAL,DACN-	1	S.N.A
..2	M0114	BN61-02500A	HOLDER-WIRE;NYLON6.6,NATURAL	1	S.N.A
..2	M0059	BN96-03006F	ASSY BOARD P-HOLDER AV;32R71,china,ABS+P	1	S.N.A
...3	M2893	BN39-00672A	LEAD CONNECTOR;LNR329DX/XAA,UL2835#28,UL	1	S.A
...3		BN61-02193A	HOLDER-SIDE AV;32R71,EO,KO,SO,ABS+PMMA,H	1	S.N.A
...3	T0578	BN64-00454E	INLAY AV;BORDEAUX,PS SHEET,T0.3,-,-,BLAC	1	S.N.A
...3	M0020	BN96-02439A	ASSY BOARD P-SUB AV SIDE;MILANO,CT5000-3	1	S.N.A
..2	T0159	BN96-03050A	ASSY PCB P-SMPS;Bordeaux 37 PFC,LE37R71B	1	S.A
..2	T0447	BN96-03253A	ASSY BRACKET P-PANEL;BORDEAUX-2,37,AUO,S	1	S.N.A
...3	M0146	BN61-02239A	BRACKET-PANEL TOP;Bordeaux 37,SECC,T1.2	1	S.N.A
...3		BN61-02240A	BRACKET-PANEL BOTTOM;Bordeaux 37,SECC,T1	1	S.N.A
...3		BN61-02243A	BRACKET-GUIDE MAIN;Bordeaux 37,SECC,T1.2	1	S.N.A
...3		BN61-02244A	BRACKET-GUIDE POWER;Bordeaux 37,SECC,T1.	1	S.N.A
...3		BN61-02245A	BRACKET-GUIDE POWER;Bordeaux 37,SECC,T1.	1	S.N.A
...3	M0131	BN63-02549A	GASKET;LE37R72B,Conductive Fabric,26mm,1	1	S.N.A
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+ ,B,M4,L6,ZPC(BLK),SWRC	2	S.A
...3	T0101	BN61-02427A	BRACKET-WALL;BORDEAUX 40,SECC,T1.2	1	S.N.A
...3	M0131	BN63-02628A	GASKET;Oxford,Conductive Fabric,8,12,300	1	S.N.A
..2	M0279	BN63-00867A	FELT;AS17UO,FELT,0.5,10,68	2	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	1	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	2	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	1	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	9	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	2	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	1	S.N.A
..2	M0081	6003-001188	SCREW-TAPTITE;BH,+ ,B,M4,L10,ZPC(WHT),S	1	S.N.A
..2	M0081	6003-000337	SCREW-TAPTITE;BH,+ ,S,M4,L10,ZPC(BLK),SWR	6	S.A
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+ ,S,M4,L8,ZPC(WHT),SW	1	S.N.A
0.1	M0113	BN92-01706A	ASSY P/MATERIAL;37R72,BORDEAUX-2	1	S.N.A
..2	T0376	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	0.027	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,-	0.008	S.N.A
..2	T0524	6902-000524	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,	6.8	S.N.A
0.1	M0045	BN92-01886S	ASSY ACCESSORY;LA37R71BX/XTT	1	S.N.A
..2	M0045	BN96-03817Y	ASSY ACCESSORY;LA37R71BX/XTT	1	S.A
...3	T0268	3903-000172	CBF-POWER CORD;DT,CN,IP3/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	T0511	AA68-03242H	MANUAL FLYER-SAFETY GUIDE;All Model,SAMS	1	S.N.A
...3	T0074	BN59-00526A	REMOCON;Bordeaux,TM86,SAMSUNG,44key,PIP,	1	S.A
...3	ACCESSORY	BN63-01798A	CLOTH-CLEAN;RE40**,CLOTH,310,320,RHCM	1	S.N.A
...3	T0531	BN63-02366A	COVER-BOTTOM;40R71,ABS+PMMA,HB,BK23,H/GL	1	S.N.A
...3	M0156	BN68-01010Q	MANUAL USERS-01;COMM,SAMSUNG,Chinese,Chi	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
0.1	M0019	BN92-01899E	ASSY LABEL;LA37R71BX/XTT	1	S.N.A
0.1	M0003	BN92-01904A	ASSY BOX;37R71,CO,BORDEAUX	1	S.N.A
..2	T0130	BN69-01443A	BOX-00,SET;37R7,SY-05,A,YEL,A1,W1024,D84	1.01	S.N.A

7 Block Diagram

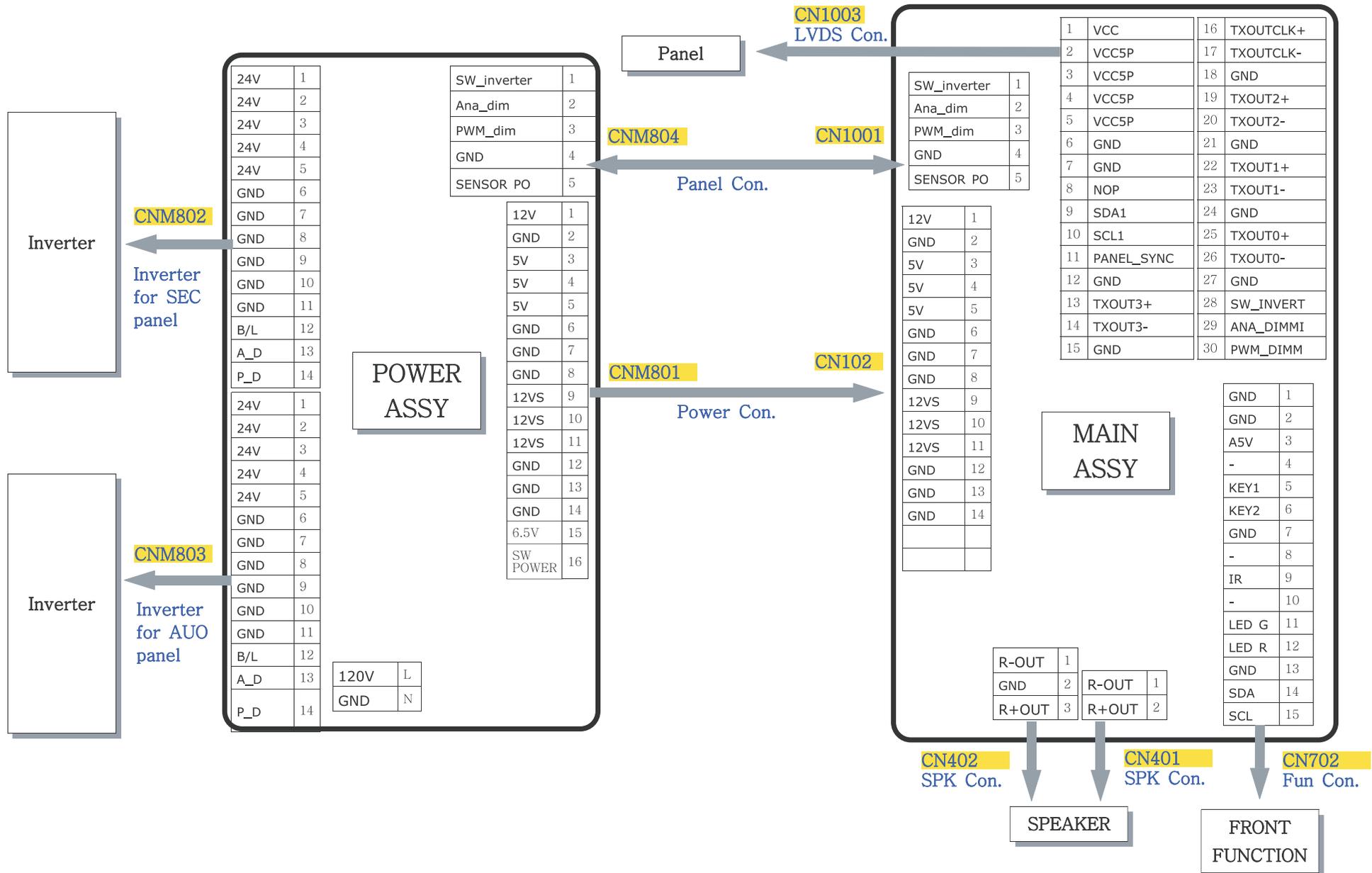
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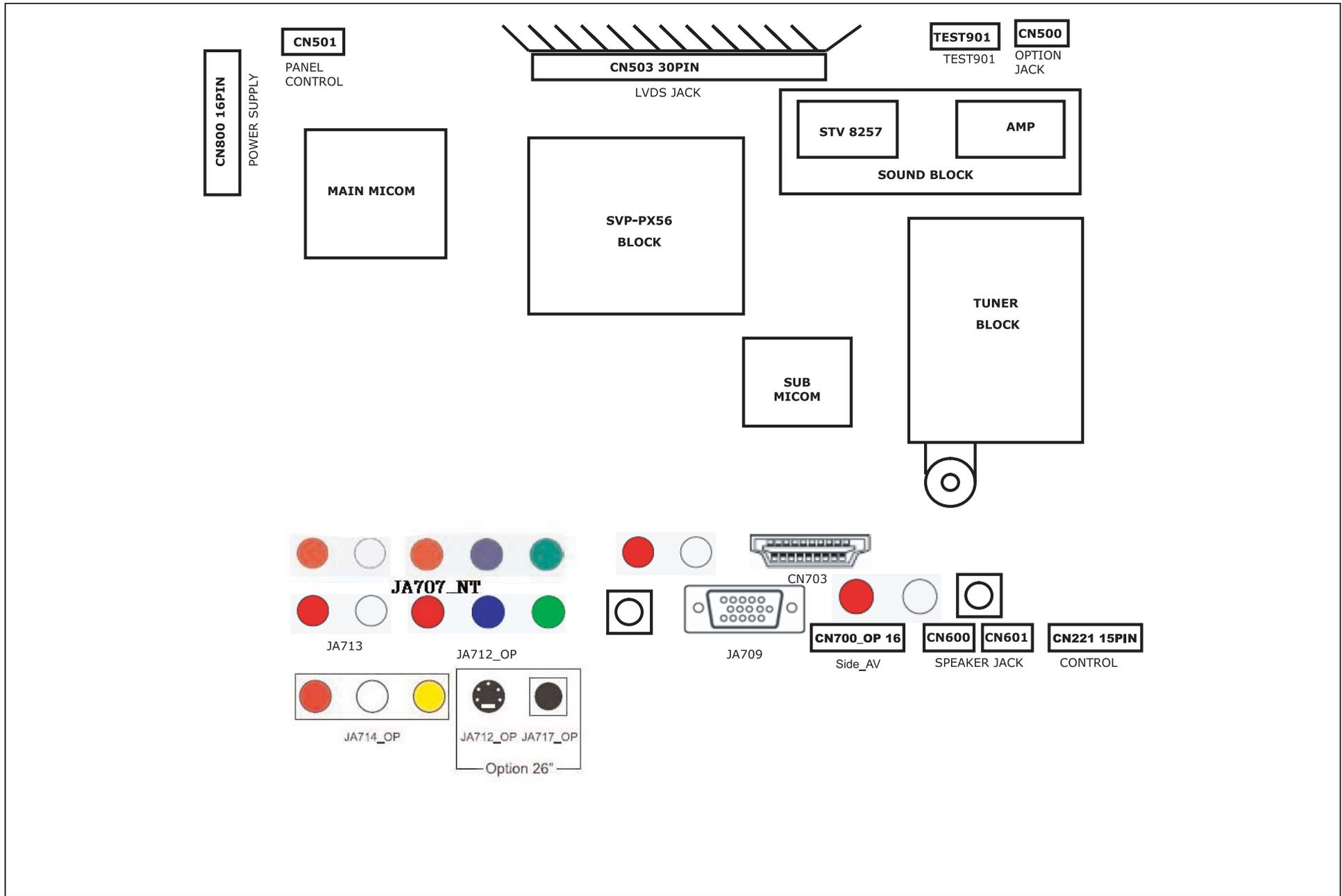
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8 Wiring Diagram

8-1 Wiring Diagram



8-2 Main Board Layout



8-3 PIN characteristic

CN800 - 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

CN600 / CN601 - SPEAKER CONNECTOR

PIN	1	2	3
NAME	R+	NC	R-

PIN	1	2
NAME	L+	L-

CN221 - Front control

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NAME	SDA-T	SCL-T	GND	KEY INPUT1	LED	GND	A5V	GND	IR	KEY INPUT1	KEY INPUT2	GND	IDENT HP	HP-L	HP-R

Function Define

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

CN501 - Panel control

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

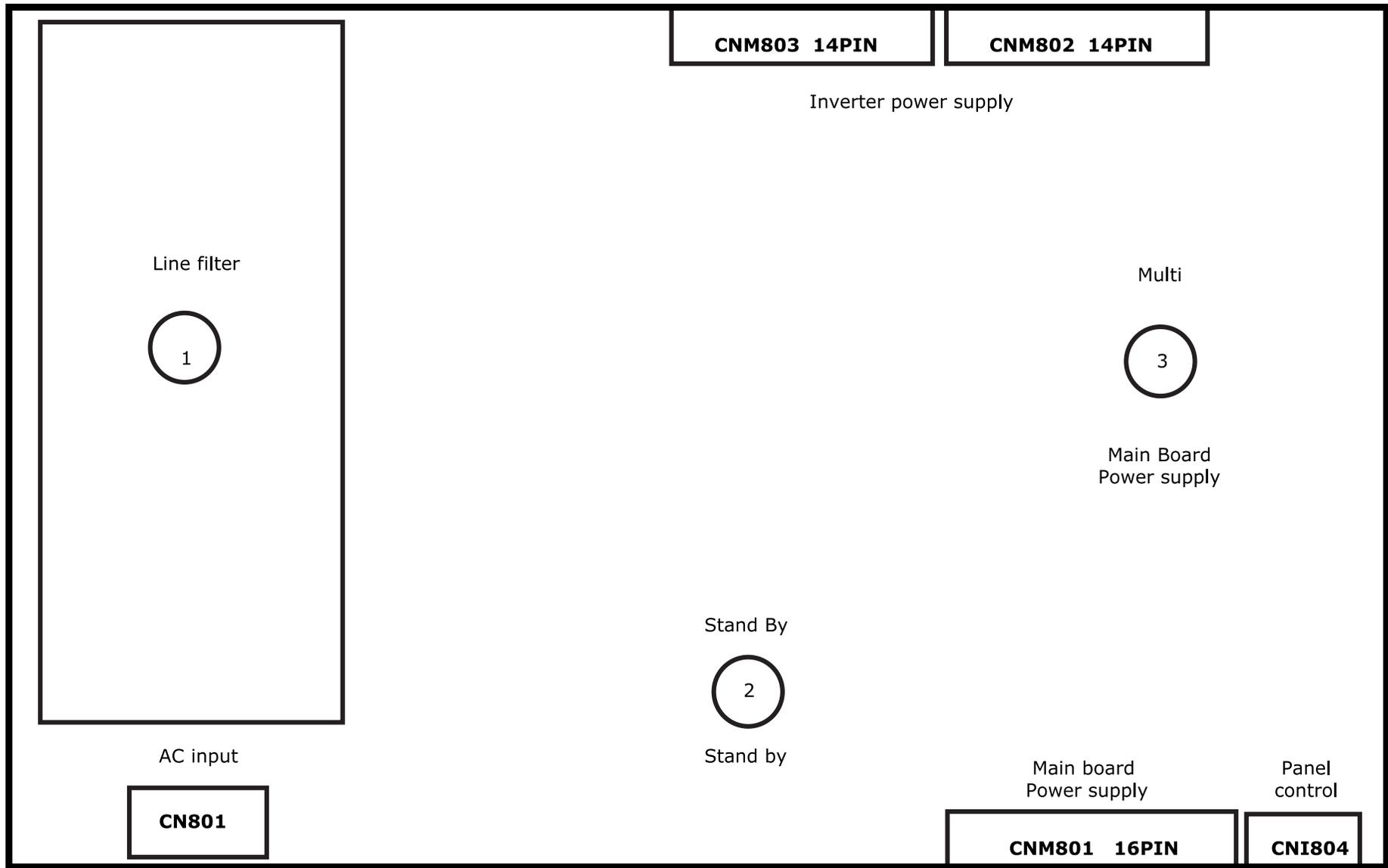
Function Define

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

CN503 - 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



CN801 - AC Input

PIN	1	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functioning 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

Functioning 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

Functioning Define

- Refer to : CN815 function define

CN802 - 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

Functioning Define

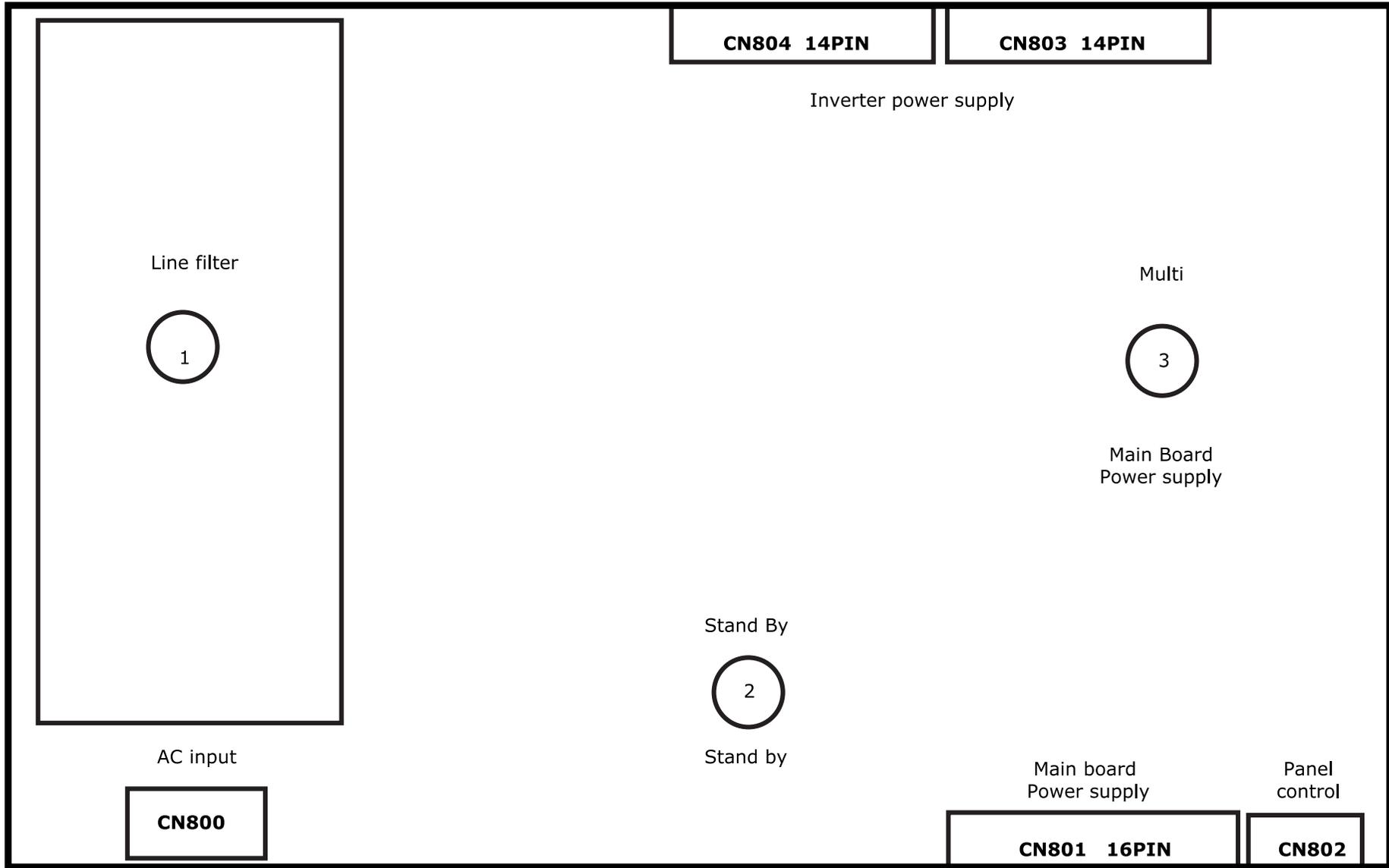
- AMLCD Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- A_D ANA_DIMMING
- P_D PWM_DIMMING

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	A_D	B/L	P_D	GND

Functioning 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	1	2
NAME	Live	Netural
VOLTAGE	AC	AC

Functioning 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

Functioning 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

Functioning 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

Functioning 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

Functioning Define

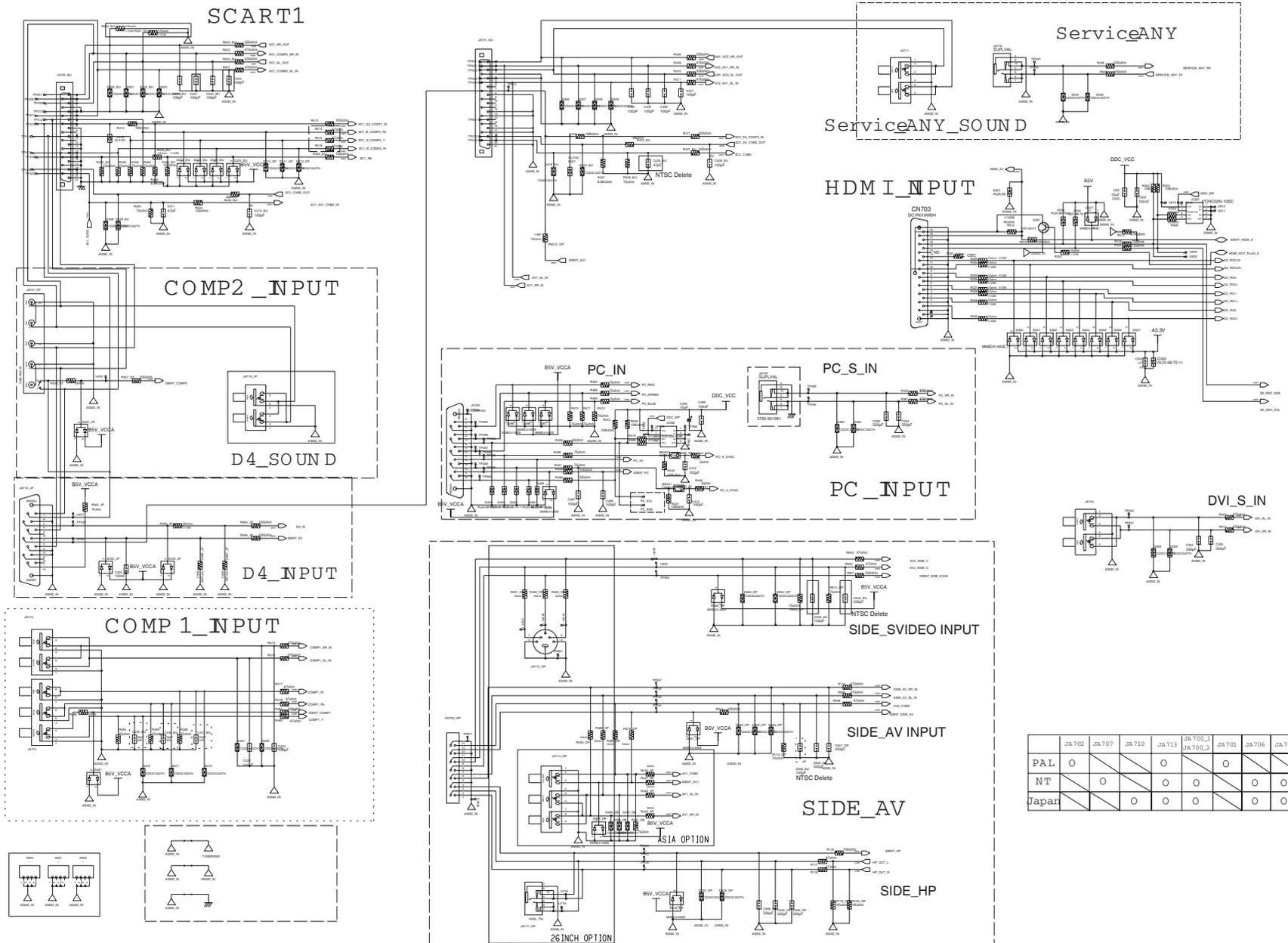
- CMO Panel Inverter Power
- 24V LAMP INVERTER Voltage
- B/L Brightness sensor power
- P_D PWM_DIMMING

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9 Schematic Diagrams

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9-2 Jack Schematic Diagram

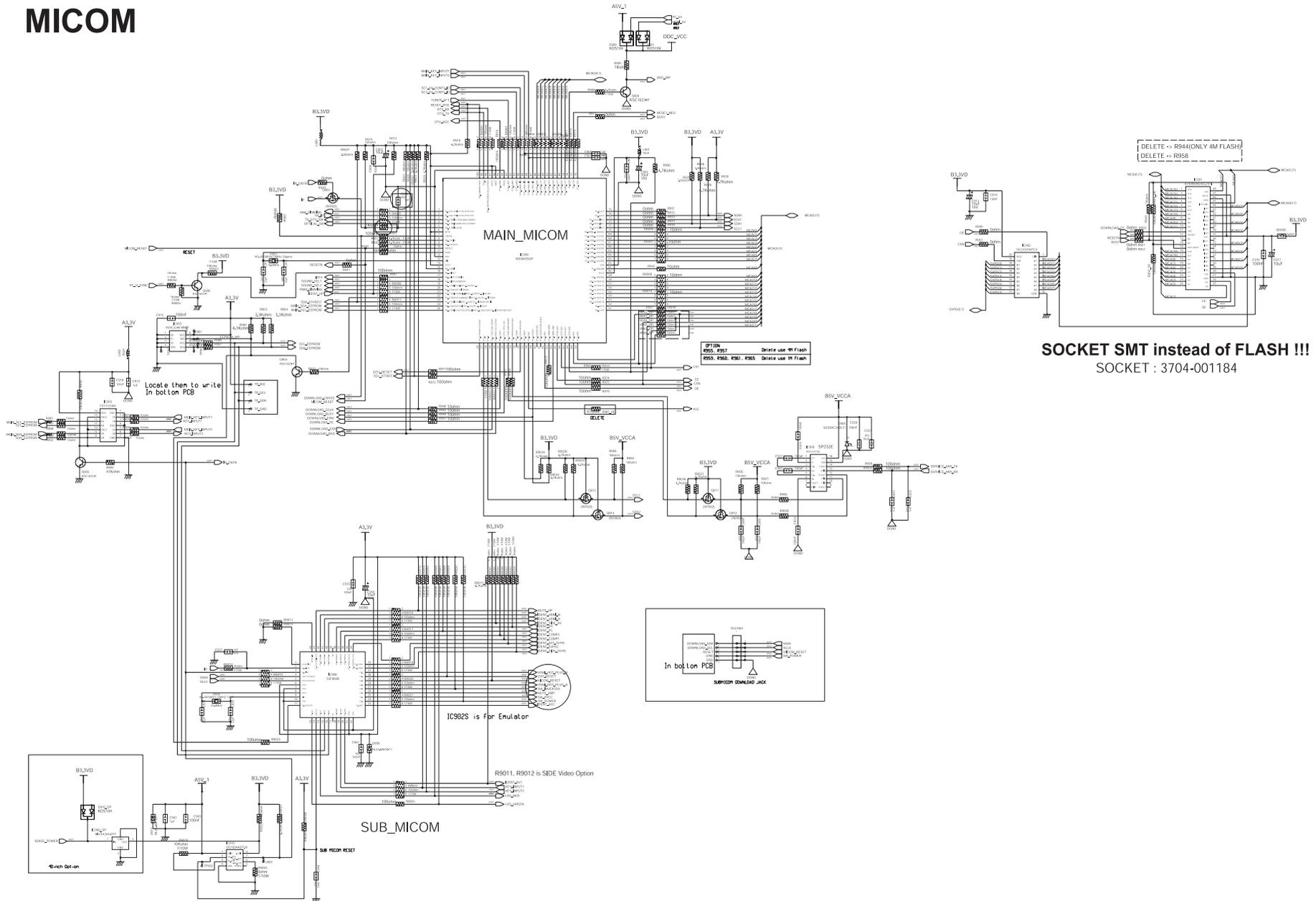


	JA702	JA707	JA710	JA713	JA700_1 JA700_2	JA705	JA706	JA705
PAL	0			0		0		
NT		0		0	0		0	0
Japan			0	0	0		0	0

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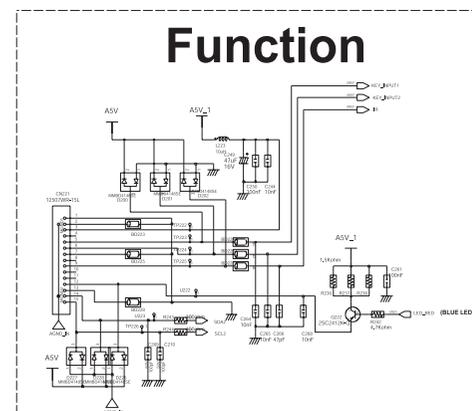
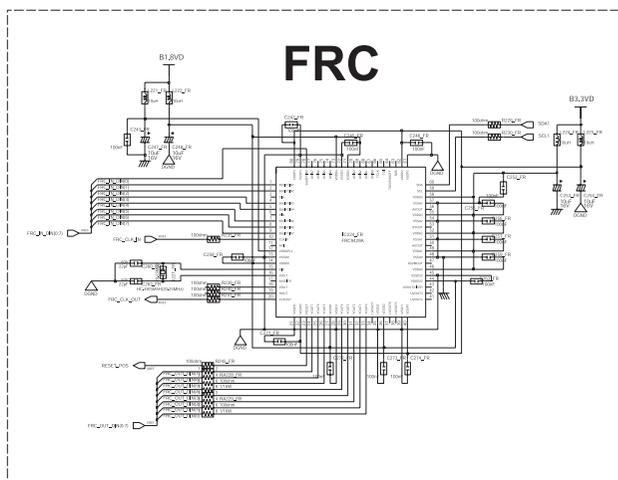
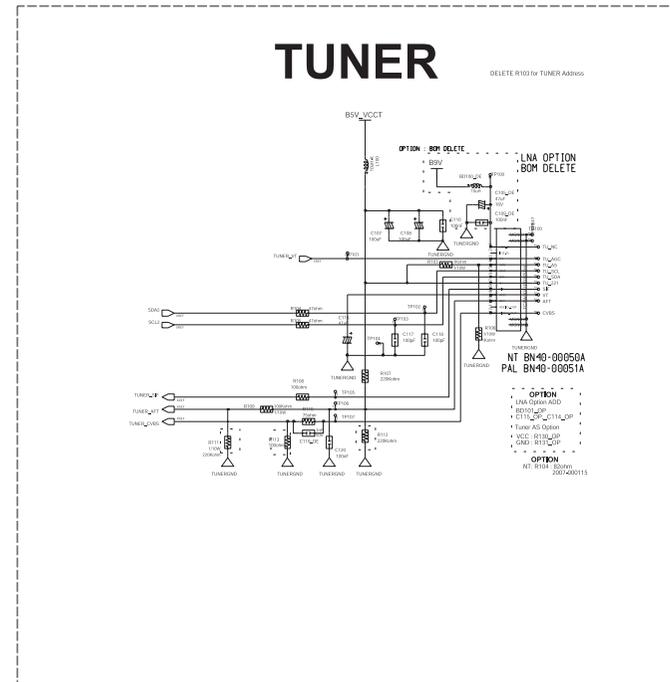
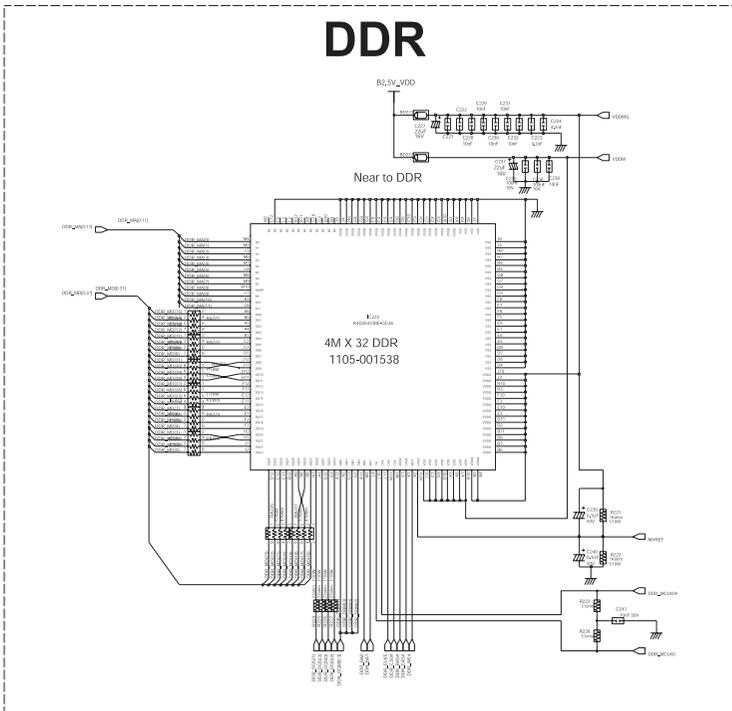
9-3 Microm Schematic Diagram

MICOM



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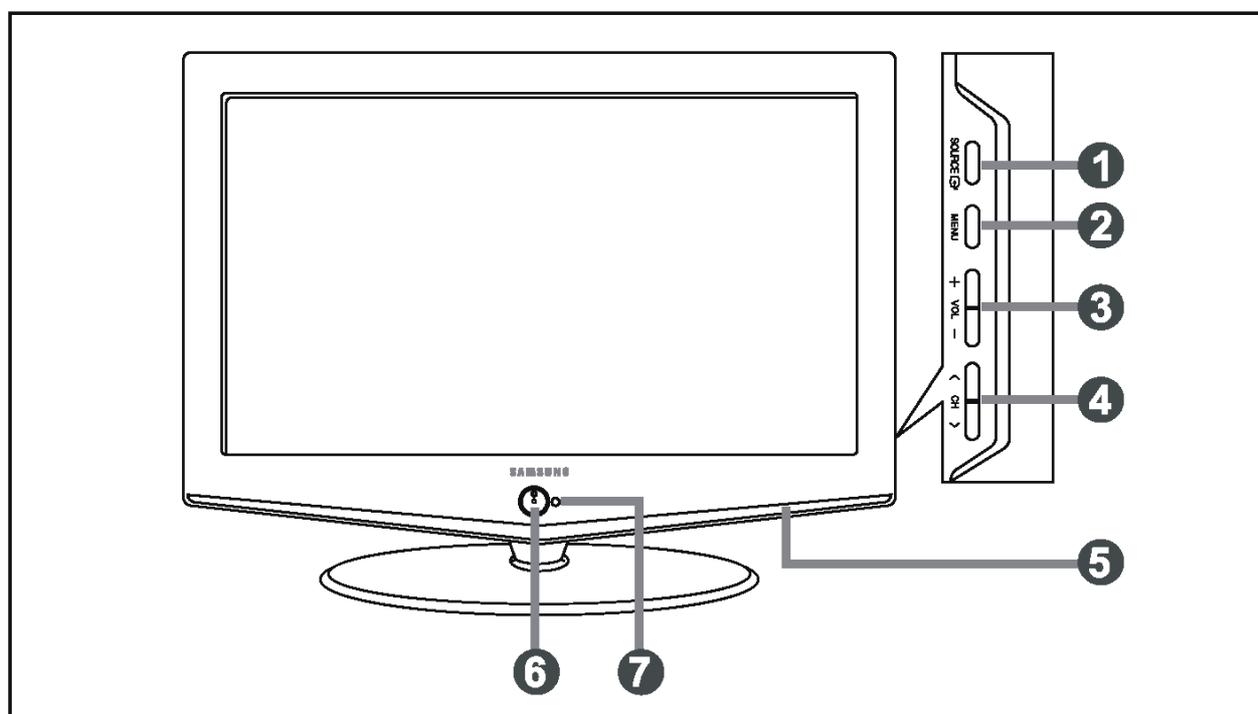
9-5 Application Schematic Diagram



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10 操作说明和安装

10-1 正面



- 产品颜色和外形可能随机型而异。

1. 来源

在所有输入来源（TV、AV1、AV2、S-Video、分量 1、分量 2、PC、HDMI）之间切换。在屏幕菜单中，就像在遥控器上使用 ENTER 按钮一样使用本按钮。

2. 菜单

按下该按钮，可显示电视功能屏幕菜单。

3. +音量-

按下该按钮，可以减小或增大音量。

在屏幕菜单上，就像在遥控器上使用 ◀ 和 ▶ 按钮一样使用+音量-按钮。

4. <频道>

按下该按钮，可以改变频道。

在屏幕菜单上，就像在遥控器上使用 ▼ 和 ▲ 按钮一样使用<频道>按钮。（如果没有遥控器，使用频道按钮即可打开电视。）

5. 扬声器

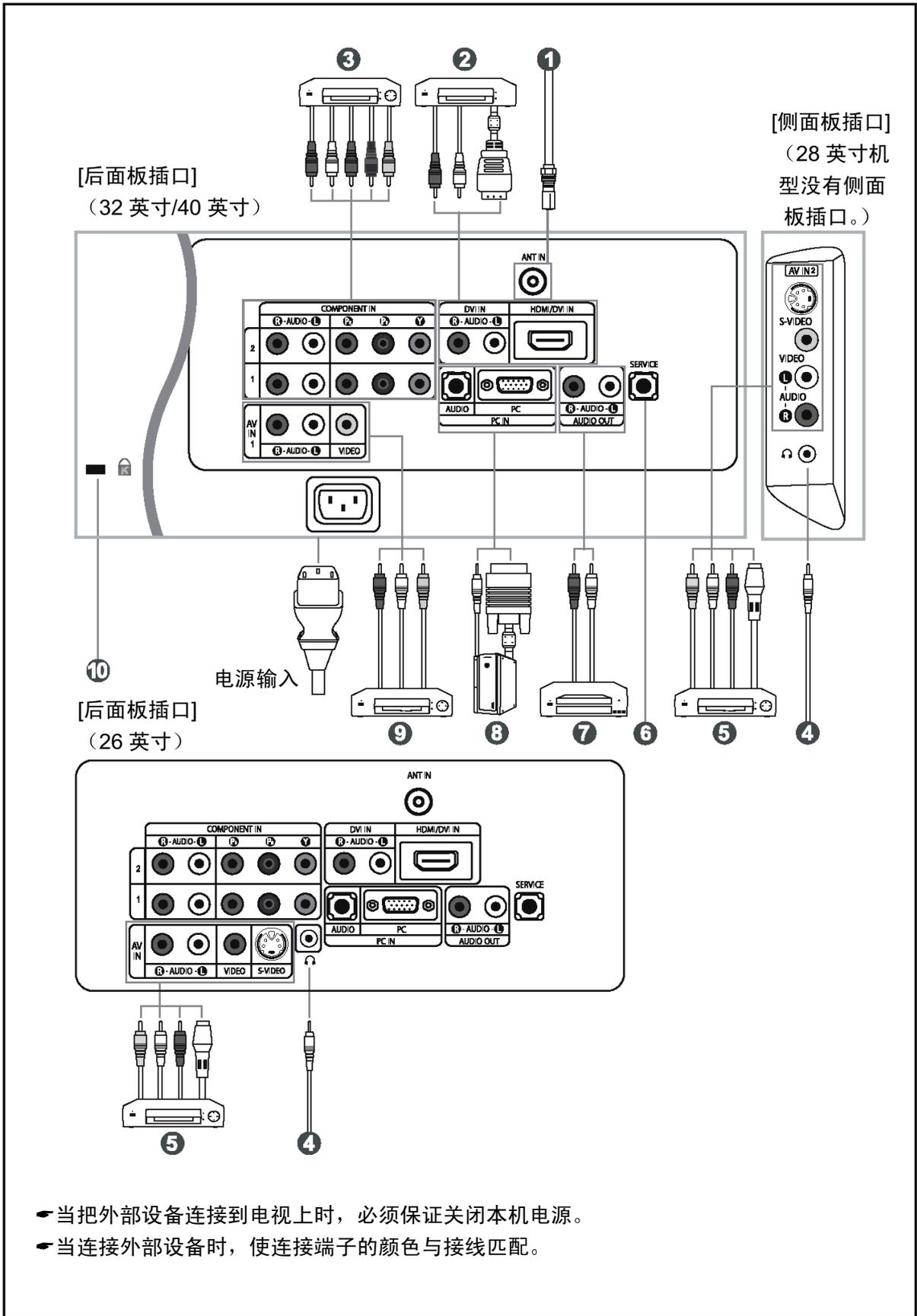
6. 电源

按下该按钮，可打开和关闭电视。开机时电源指示灯闪烁并熄灭，而在待机模式下照亮。

7. 遥控传感器

将遥控器对准电视上的该点。

10-2 连接面板



1. 连接无线或有线电视网

如欲正常观看电视，本机必须从下列来源之一接收信号：

- 室外无线/有线电视网/卫星网

2. 连接 HDMI/DVI

- 允许在具有 HDMI 连接功能的音像设备（机顶盒、DVD 放像机、音像接收机和数字电视）之间连接。
- 由 HDMI 连接到 HDMI 时，不需要另外的音频连接。

> 何为 HDMI？

- HDMI，即“高清多媒体接口”，允许使用无压缩的单一电缆来传输数字音频和视频信号的下一代产品接口。
- 因为 HDMI 允许多通道的数字声音(5.1 通道)，因此“多媒体接口”尤其是它的更加准确的名称。HDMI 和 DVI 之间的差异在于 HDMI 设备尺寸更小，具有 HDCP（高带宽数字复制保护）编码功能，并支持多通道数字声音。

> 应使用 DVI 与 HDMI 接线或 DVI-HDMI 适配器连接，并使用 DVI 上的“R-AUDIO-L”端子输出声音。-当通过 HDMI 或 DVI 将本产品连接到机顶盒、DVD 放像机或游戏控制台等等上时，必须保证如下表所示将本机设置为兼容视频输出模式。未遵守本规定，可能会导致画面失真、图像破裂或无画面。

> DVI 或 HDMI 支持模式

	480i	480p	576i	576p	720p	1080i
50Hz	X	○	X	○	○	○
60Hz	X	○	X	X	○	○
分量	○	○	○	○	○	○

-不要试图将 HDMI/DVI 连接器连接到计算机或笔记本电脑显卡上。

（否则会导致显示空屏）

3. 连接分量设备（DTV/DVD）

- 将分量视频线（选装）连接到本机后部的分量连接器（“P_R”、“P_B”、“Y”）上，将另一端连接到 DTV 或 DVD 的相应分量视频输出连接器上。
- 如果既想连接机顶盒又想连接 DTV（或 DVD），应将机顶盒连接到 DTV（或 DVD）上，并将 DTV（或 DVD）连接到本机的分量连接器（“P_R”、“P_B”、“Y”）上。
- 分量设备（DTV 或 DVD）上的 P_R、P_B、Y 连接器有时标为 Y、B-Y 和 R-Y 或 Y、Cb 和 Cr。-将 RCA 音频线（选装）连接到本机后部上的“R-AUDIO-L”上，把另一端接到 DTV 或 DVD 上的相应音频输出连接器上。
- 本液晶电视在 720p 模式下显示其最佳画面分辨率。
- 本液晶电视在 1080i 模式下显示其最大画面分辨率。

5. 连接外部音像（AV IN2）

- 将 RCA 或 S-VIDEO 接线接到合适的外部音像设备上，如录像机、DVD 或摄录一体机。
- 将 RCA 音频线接到本机后部的“R-AUDIO-L”上，将另一端接到音像设备上的相应音频输出连接器上。
- 可以将耳机接到本机后部上的耳机输出端（4）上。连接耳机时，关闭内置扬声器发出的声音。

6. 维修

- 供具备资格的维修工程师在维修时连接。

7. 连接音频

- 将 RCA 音频线接到本机后部的“R-AUDIO-L”上，将另一端接到放大器或 DVD 家庭影院上的相应音频连接器上。

8. 连接计算机

- 将 D-Sub 接线（选装）接到本机后部的“PC（PC IN）”上，将另一端接到计算机的视频卡上。
- 将立体声线（选装）接到本机后部的“AUDIO（PC IN）”上，将另一端接到计算机声卡的“音频输出”上。

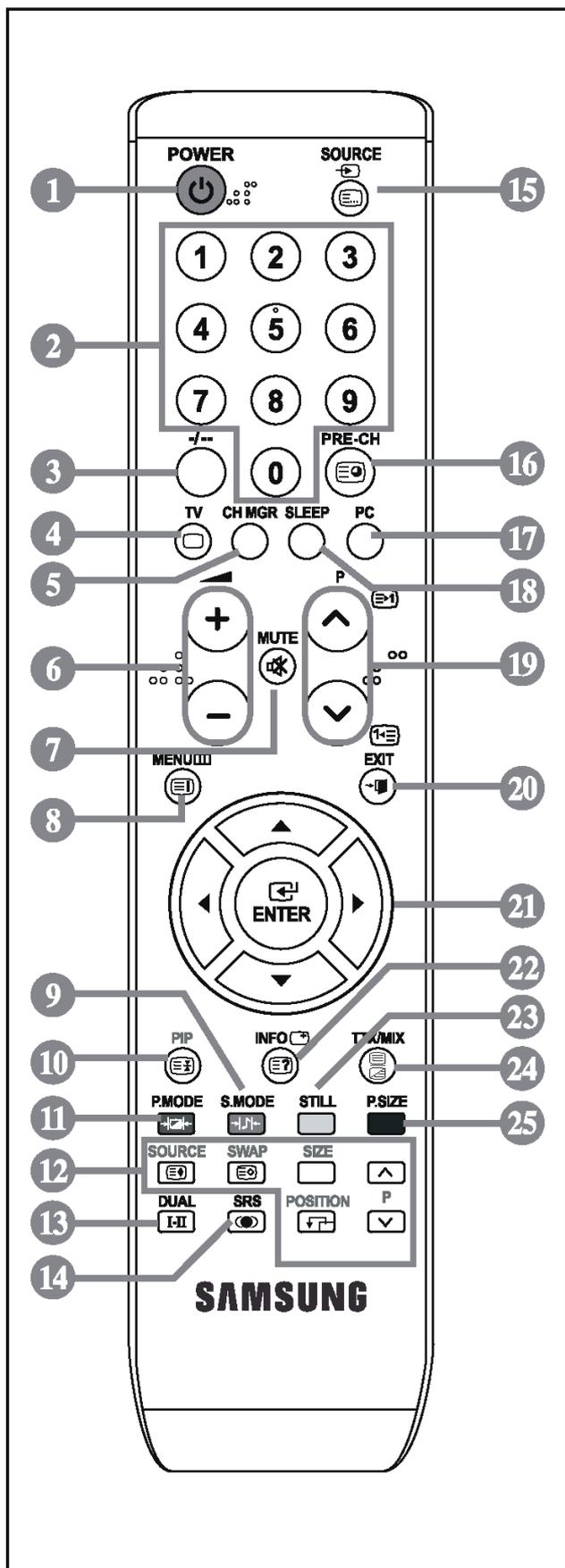
9. 连接外部音像设备（AV IN1）

- 将 RCA 接线接到合适的外部音像设备上，如录像机、DVD 或摄录一体机。
- 将 RCA 视频线接到本机后部的“R-AUDIO-L”上，将另一端接到音像设备上的相应音频输出连接器上。

10. 连接外部音像设备（AV IN1）

- Kensington 锁（选装）是在公共场所使用时用于固定系统实物的设备。
- 如果想使用锁定设备，请与出售电视的经销商联系。
- Kensington 锁的位置可能随机型而异。

10-3 遥控器

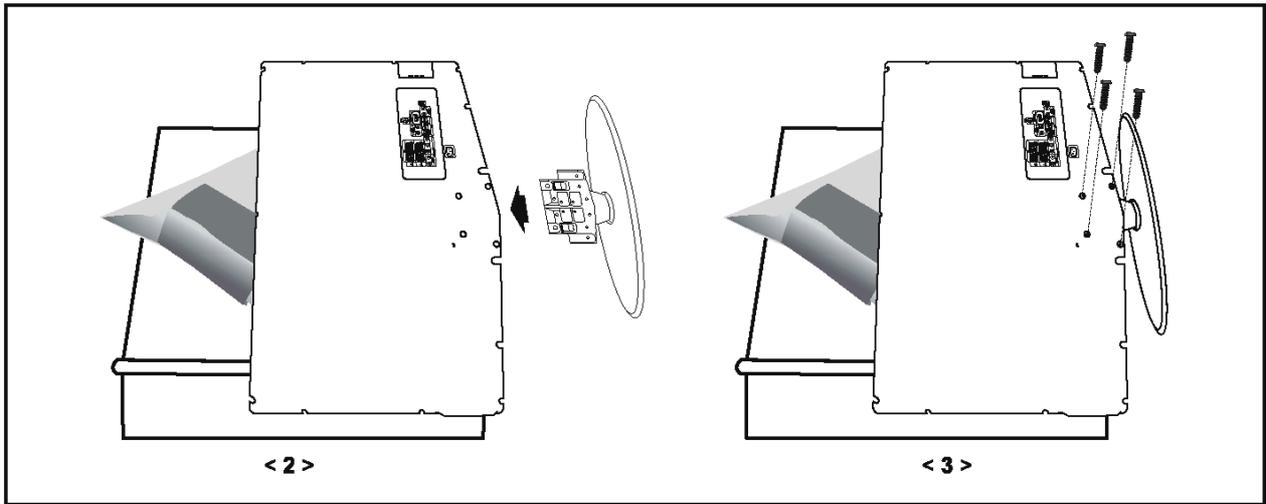


- 1 电视待机按钮
- 2 频道直接接入数字按钮
- 3 一/两位频道选择
- 4 直接选择电视模式
- 5 屏幕上显示“频道管理器”。
⊕ 音量增大
⊖ 音量减小
- 7 临时声音切换
- 8 菜单显示以及变更确认
- 9 声音模式选择
- 10 画中画开/关
- 11 画面效果选择
- 12 画中画功能
来源：输入来源选择
切换：在主画面和副画面之间转换
尺寸：画中画尺寸选择
位置：画中画位置选择
P⊕：下一个频道
P⊖：上一个频道
- 13 声音效果选择
- 14 SRS TSXT 选择
- 15 可用来源选择
- 16 上一个频道
- 17 直接选择 PC 模式
- 18 自动关机
- 19 P⊕：下一个频道
P⊖：上一个频道
- 20 退出 OSD
- 21 控制菜单中的光标
- 22 用于查看当前广播信息
- 23 画面定格
- 25 画面尺寸选择

图文电视功能

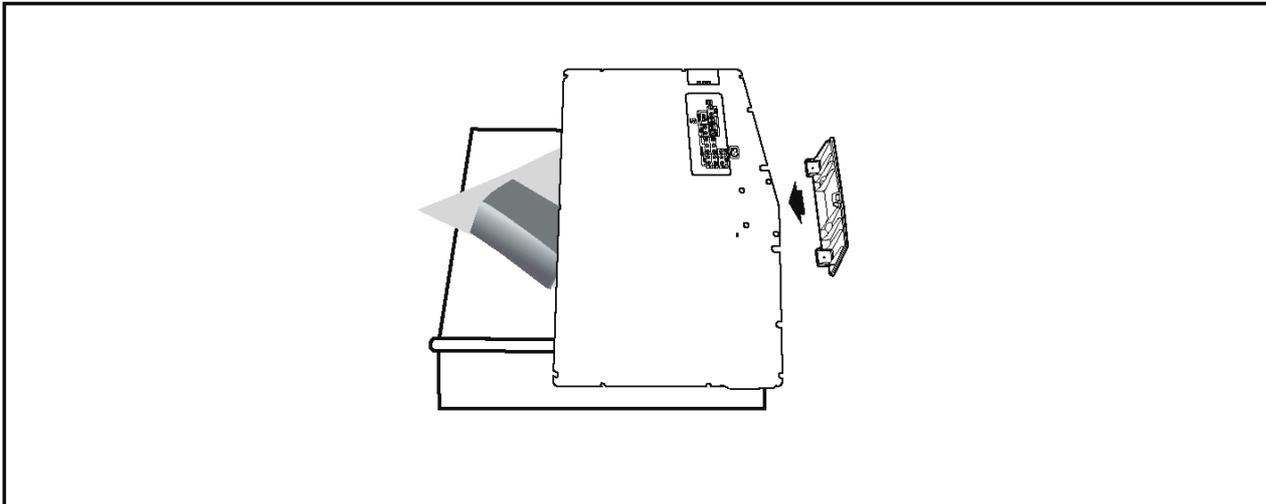
- 4 从图文电视显示退出
- 8 图文电视索引
- 10 图文电视保持
- 12 来源：图文电视尺寸选择
切换：图文电视存储
- 15 图文电视模式选择 (LIST/FLOF)
- 16 图文电视副页
- 19 P⊕：图文电视下一页
P⊖：图文电视上一页
- 20 图文电视取消
- 22 图文电视展示
- 24 图文电视显示/图文电视信息和正常的广播混合
- 9、11、23、25
Fastext 题目选择

10-4 安装底座



1. 面向下将电视置于铺有软布或垫子的桌子上。
2. 将底座插入电视底部的孔中。
3. 将螺钉插入所示孔中并拧紧。

10-5 安装墙上支座套件



使用墙上支座（单独出售）可以将电视装到墙上。

如欲了解安装墙上支座的详细信息，请参照随墙上支座提供的说明。安装墙上安装的支架时，请与技术人员联系，要求协助。

如果您选择自行安装电视，对于对产品造成的损坏或对您自己或他人造成的损伤，三星电子概不负责。

> 拆除底座，用盖盖住底孔。

11 拆卸和重新组装

维修手册的这一章叙述 TFT 液晶显示器的拆卸和重新组装步骤。

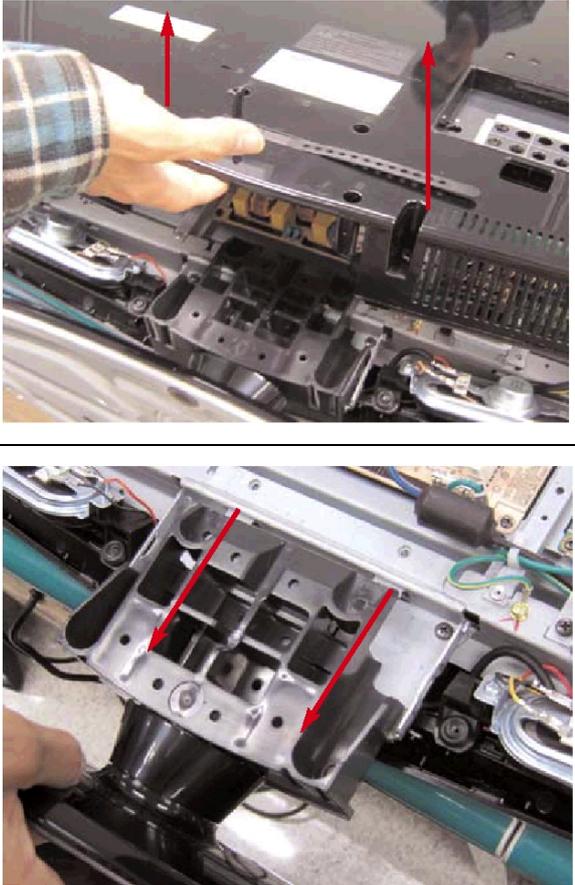
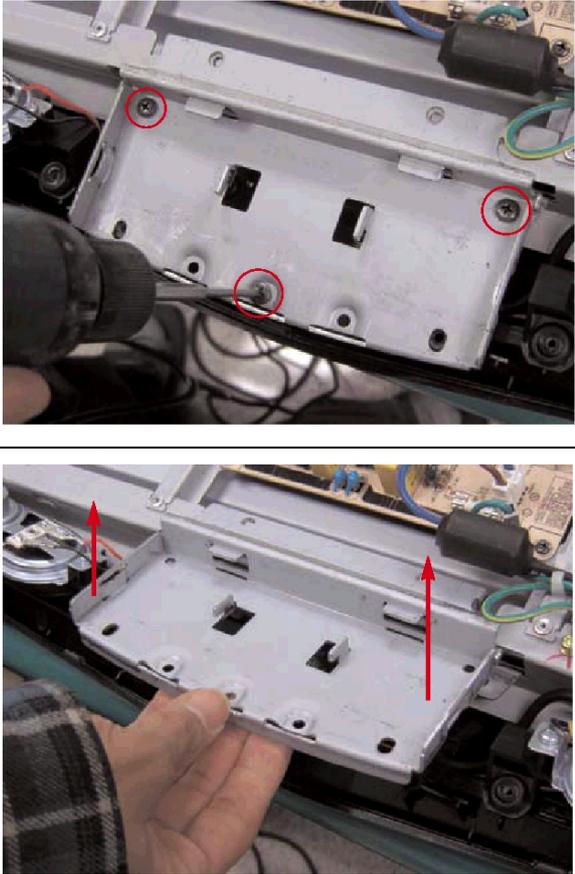
⚠ **警告：** 本显示器包含静电敏感器件。处理这些部件时应小心。

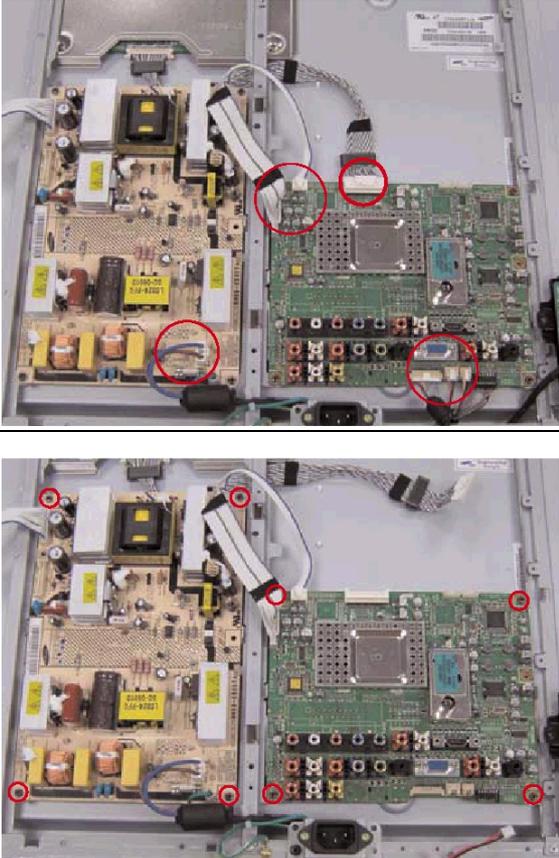
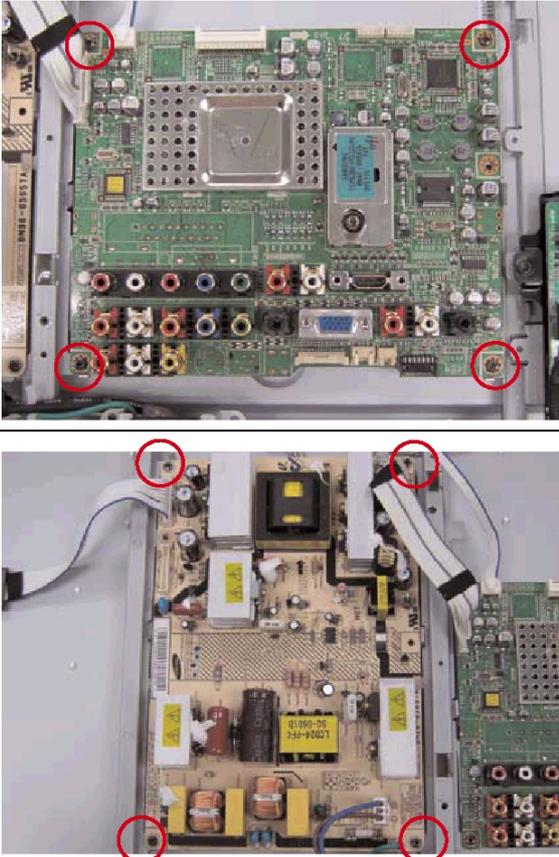
11-1 拆卸

- ⚠ **小心：** 1. 拆卸显示器前，请断开电源。
2. 认真遵守这些说明；切勿使用金属器具撬开机箱。

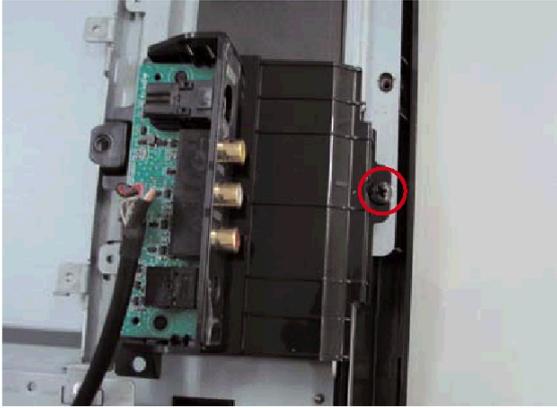
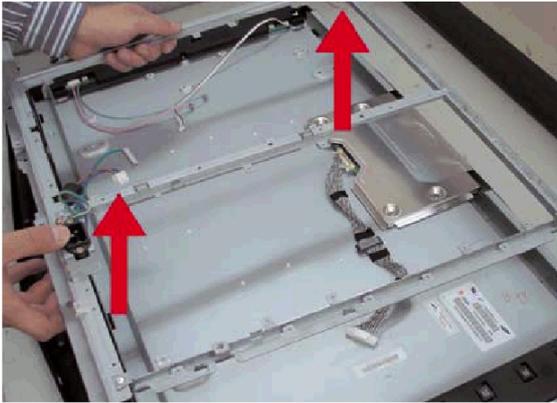
说明	图片说明
<p>1. 将显示器面朝下放到铺有垫子的桌子上。从后盖拆除 15 个螺钉。从底座拆除 4 个螺钉。</p>	

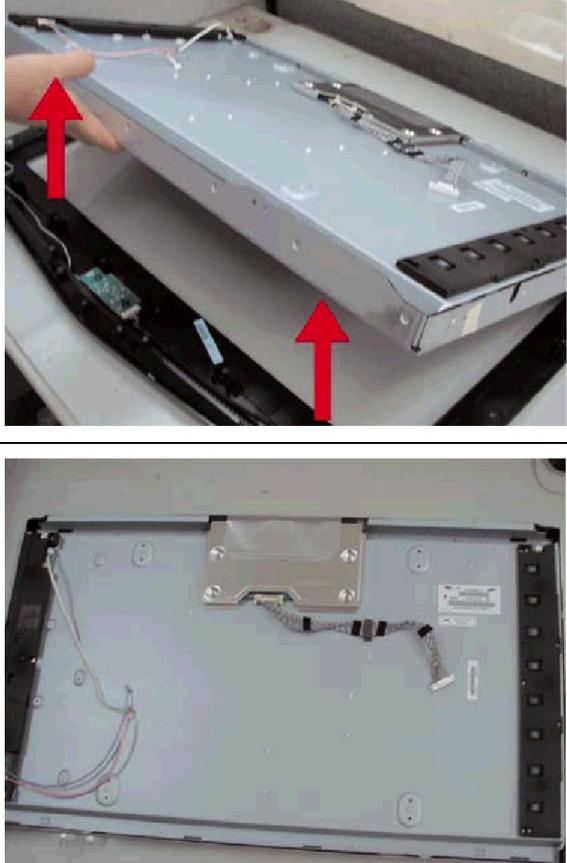
11 拆卸和重新组装

说明	图片说明
<p>2. 提起后盖并拆除底座。</p>	 <p>The top photograph shows a person's hand lifting the back cover of the device. Two red arrows point upwards from the top edge of the cover, indicating the direction of movement. The bottom photograph shows the base of the device being lifted away from the main chassis. Two red arrows point upwards from the base, indicating the direction of movement.</p>
<p>3. 从底座支架拆除螺钉，并提起底座支架</p>	 <p>The top photograph shows a power drill being used to remove screws from the base bracket. Three screws are circled in red to indicate the specific locations. The bottom photograph shows the base bracket being lifted away from the main unit. Two red arrows point upwards from the bracket, indicating the direction of movement.</p>

说明	图片说明
4. 从板子拆除接线。	
5. 从板子拆除螺钉，并提起板子。	

11 拆卸和重新组装

说明	图片说明
<p>6. 从侧连接器拆除螺钉。</p> <p>从面板支架拆除螺钉。</p>	 
<p>7. 提起面板支架。</p>	 

说明	图片说明
8. 提起液晶显示屏。	

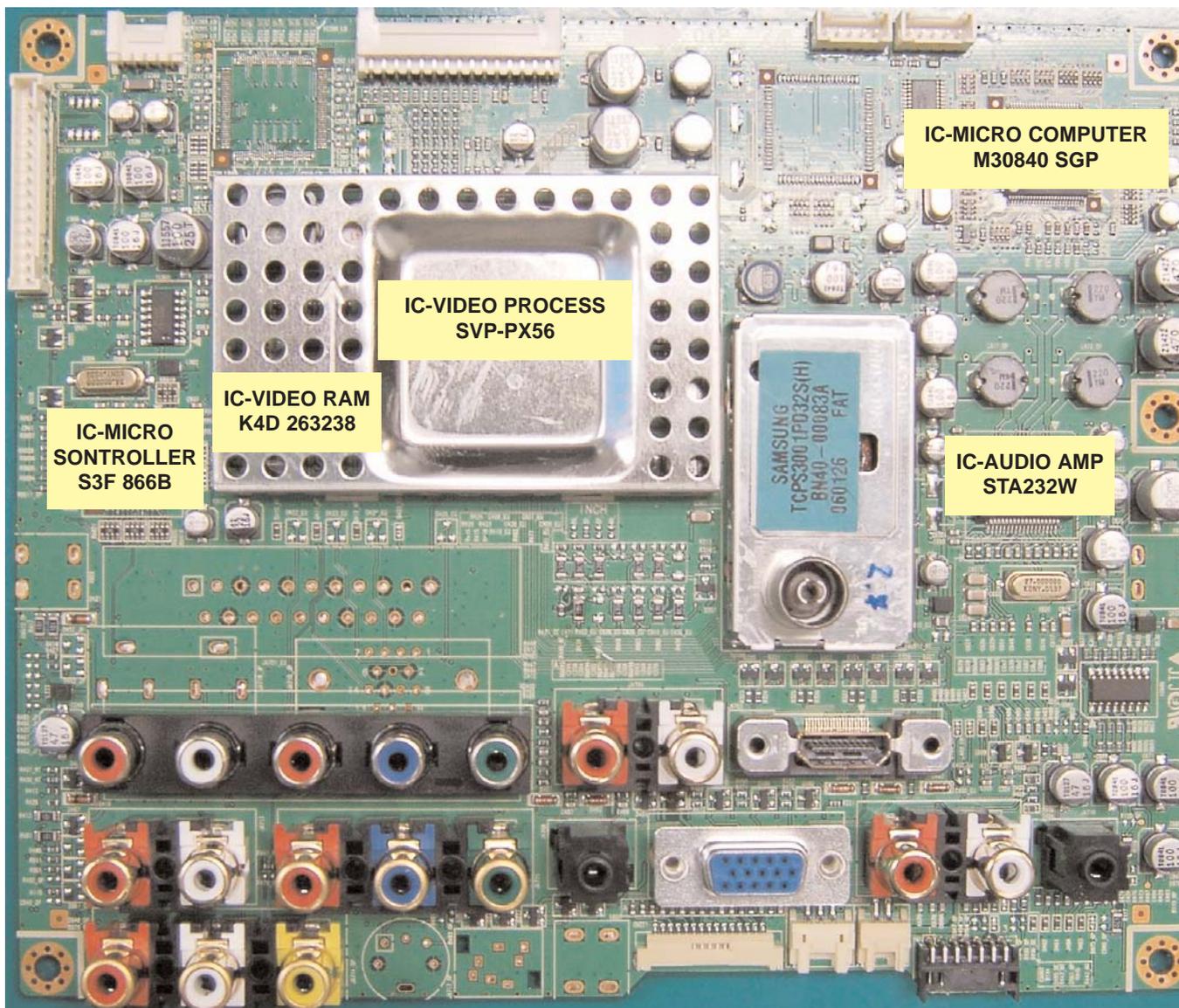
11-2 重新组装

- 重新组装步骤与拆卸步骤相反。

备忘录

12 PCB Diagram

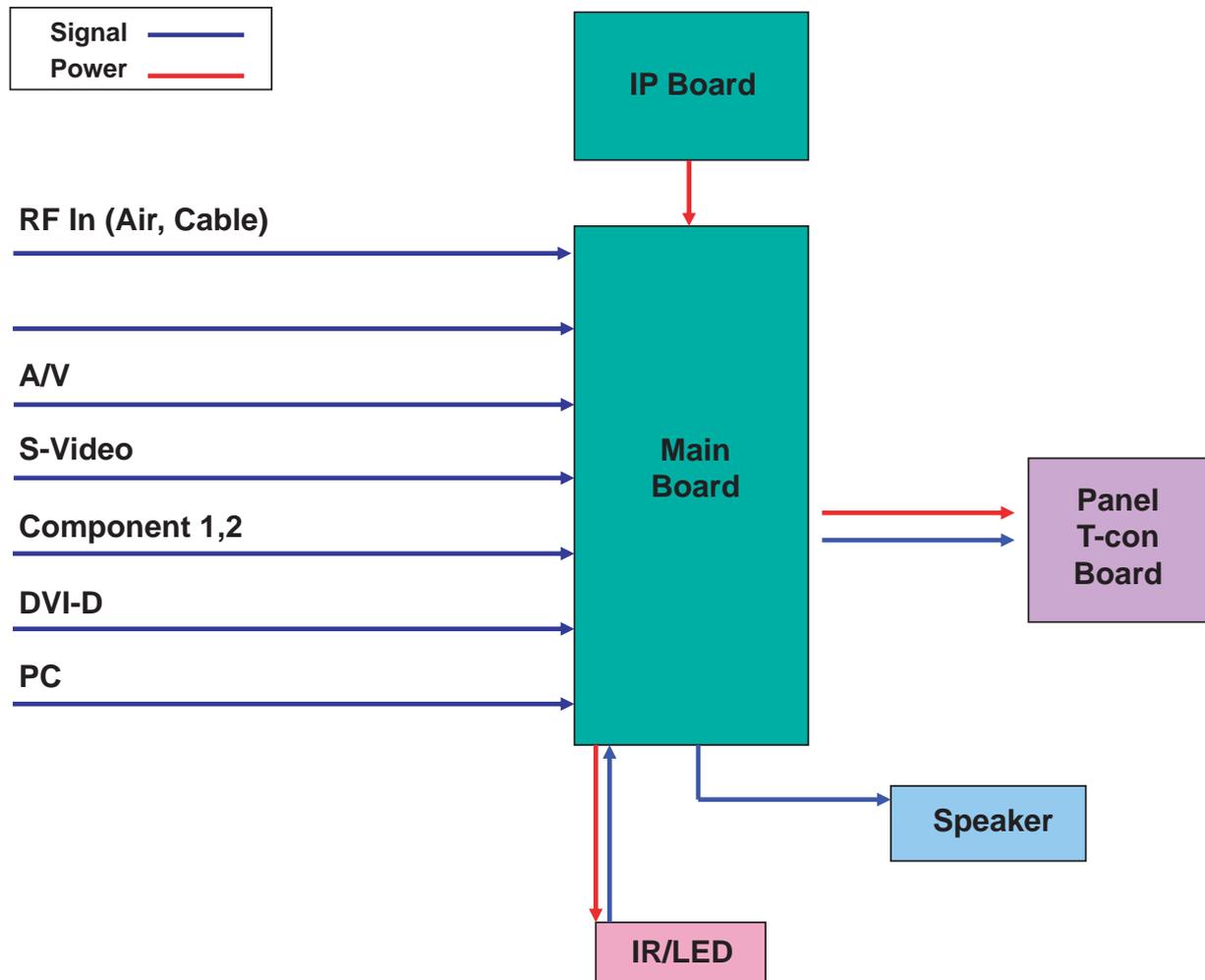
12-1 Main PCB Diagram



13 Circuit Descriptions

13-1 Block description

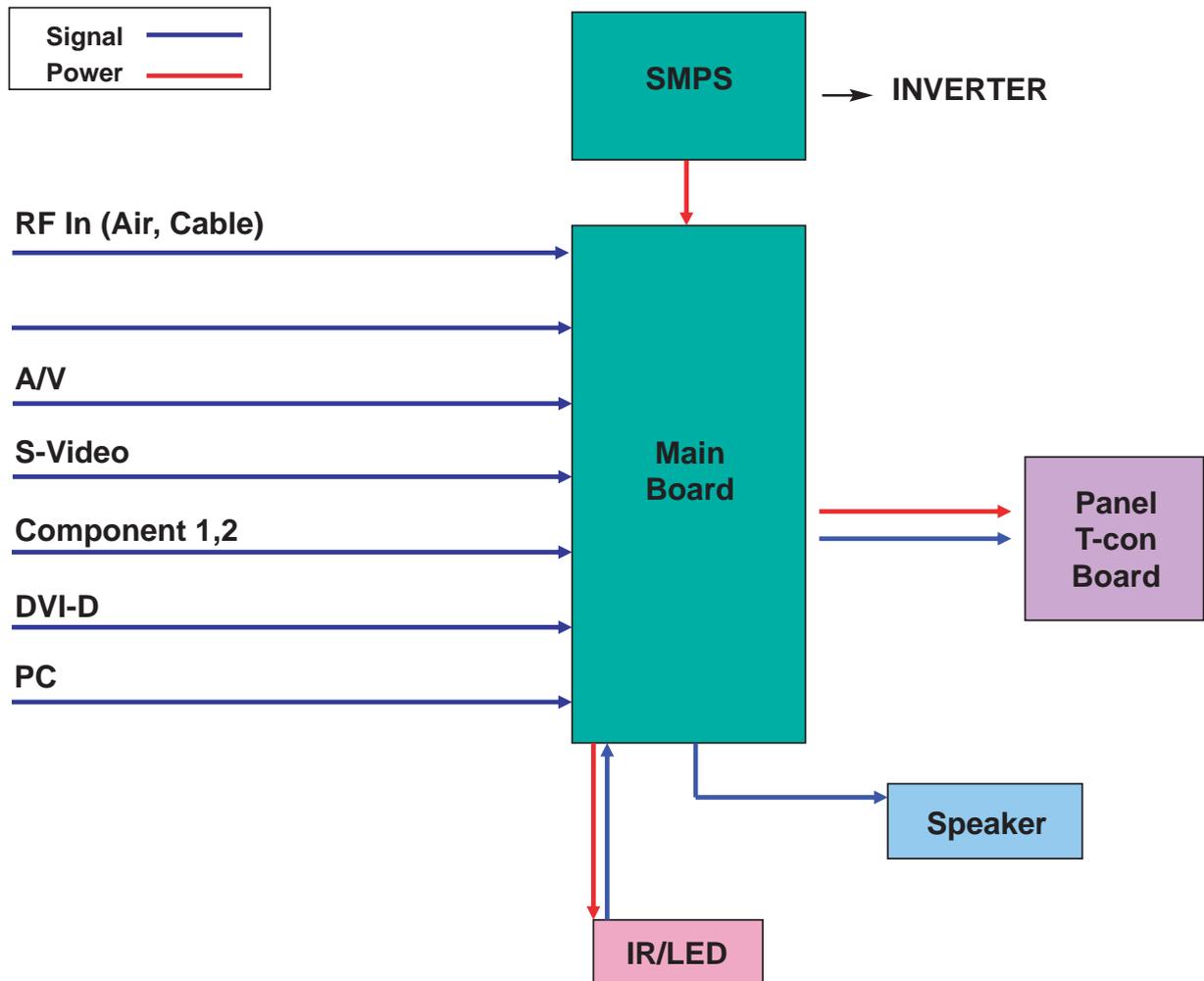
13-1-1 Block description with IP Board



Bordeaux consists of three main blocks

1. Main board : Video signal processing
2. IP board : Power supply & Inverter
3. T-con board : LCD Panel control

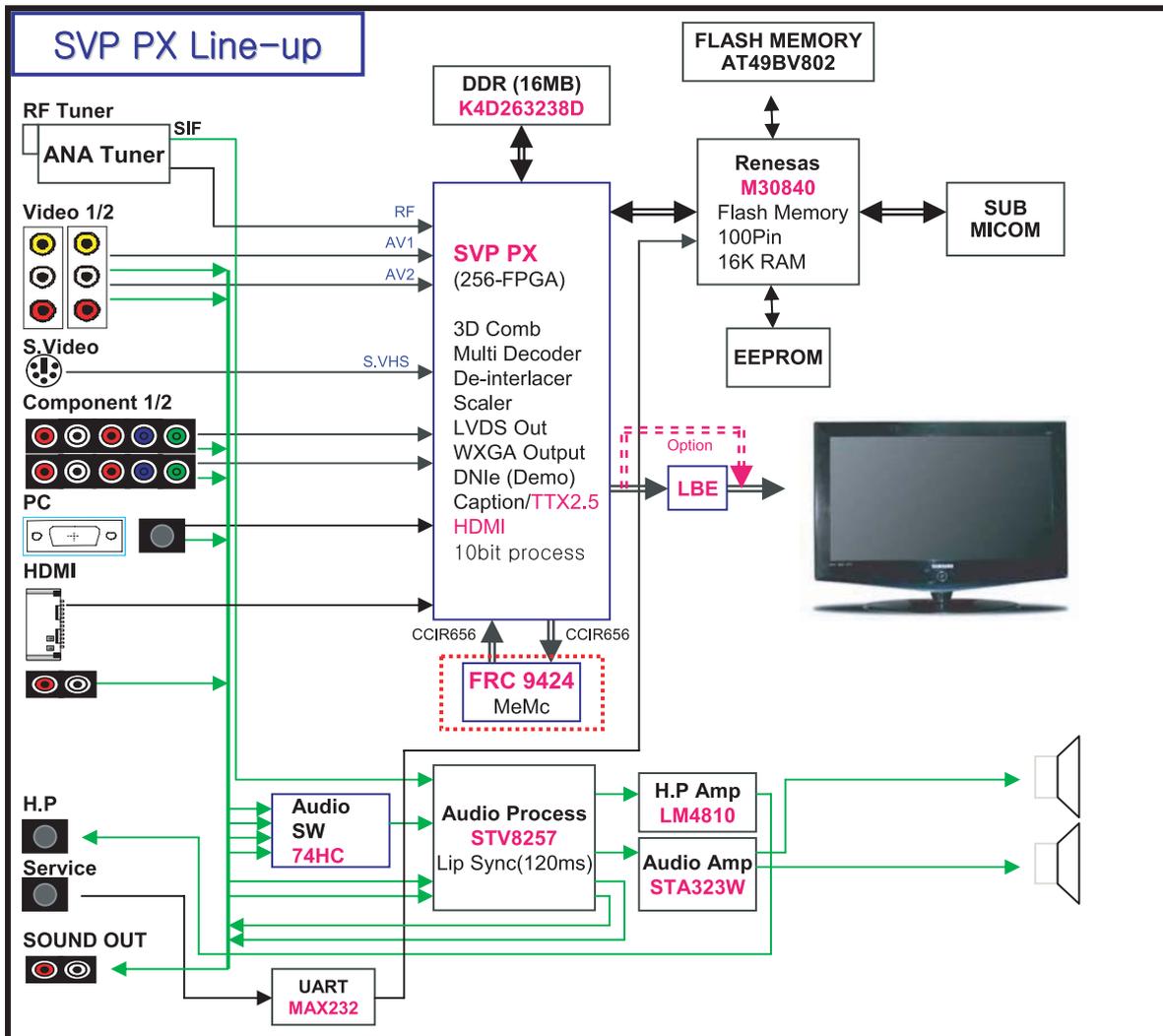
13-1-2 Block description with SMPS



Bordeaux consists of three main blocks

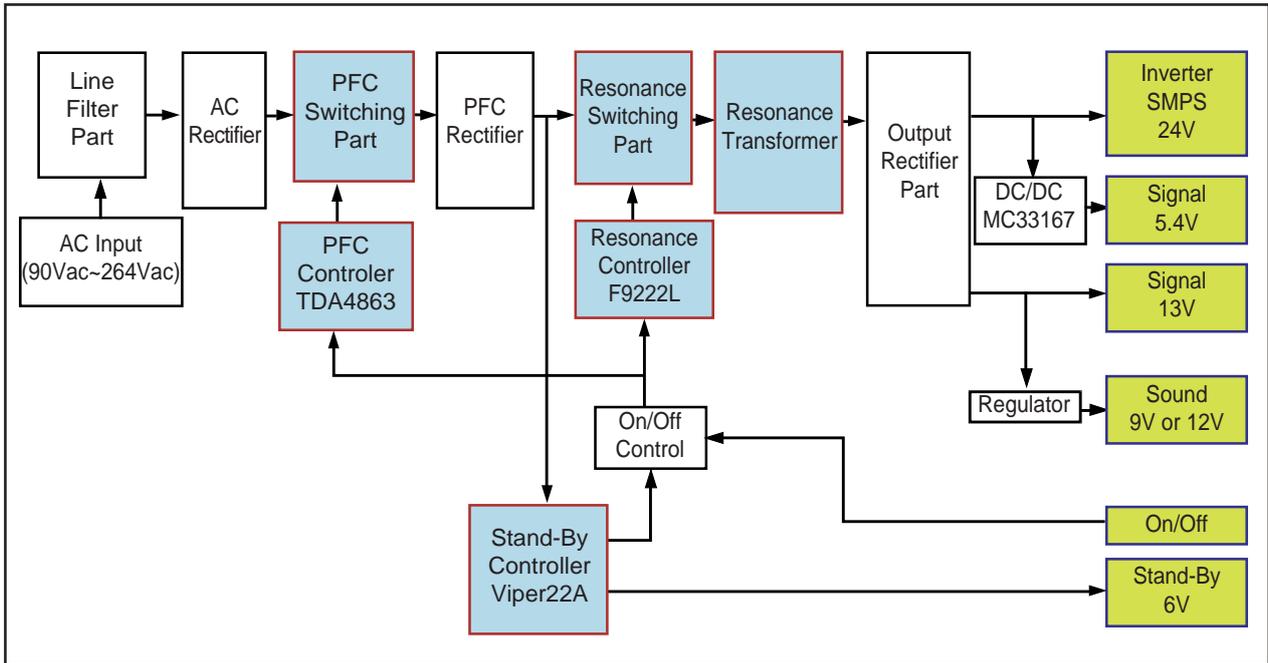
1. Main board : Video signal processing
2. SMPS : Power supply
3. T-con board : LCD Panel control

13-2 Main Block

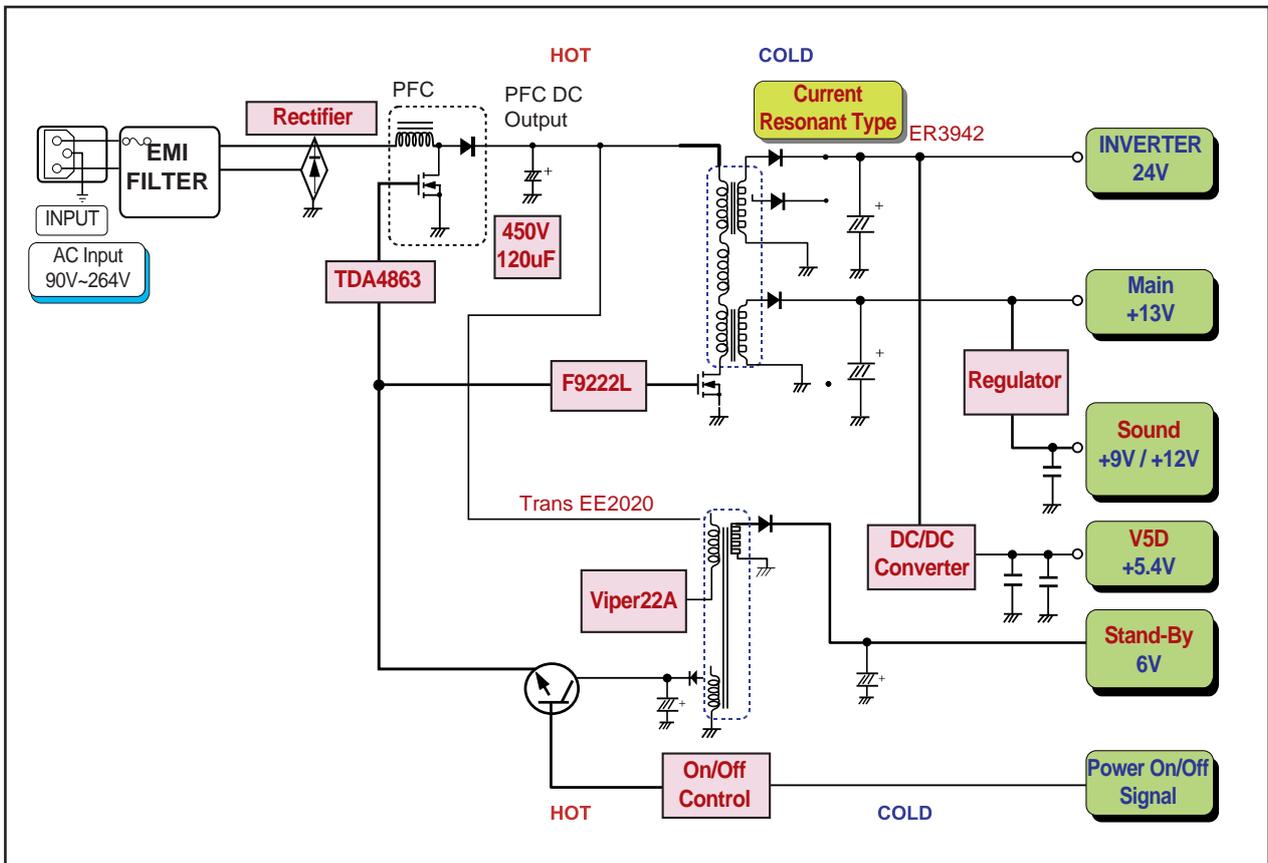


13-3 SMPS Board

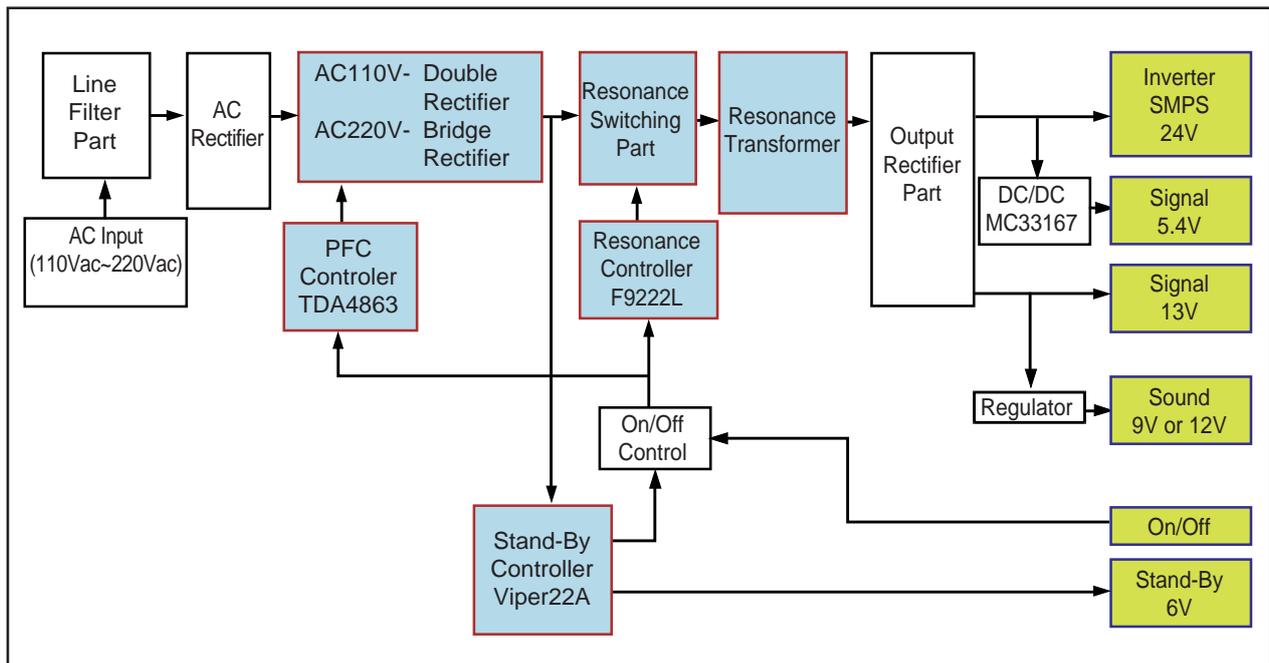
13-2-1 Power Block



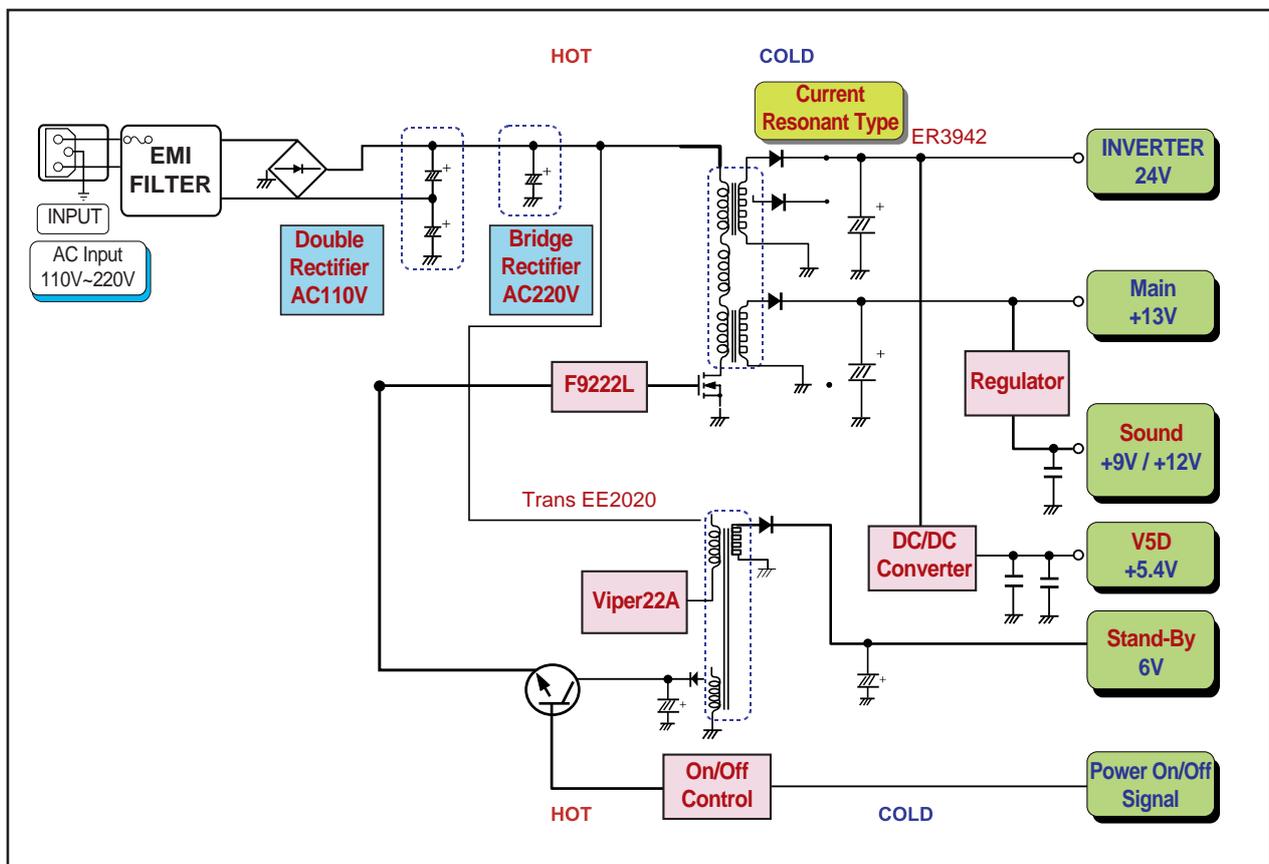
13-2-2 SMPS Diagram



13-3-3 SMPS Block



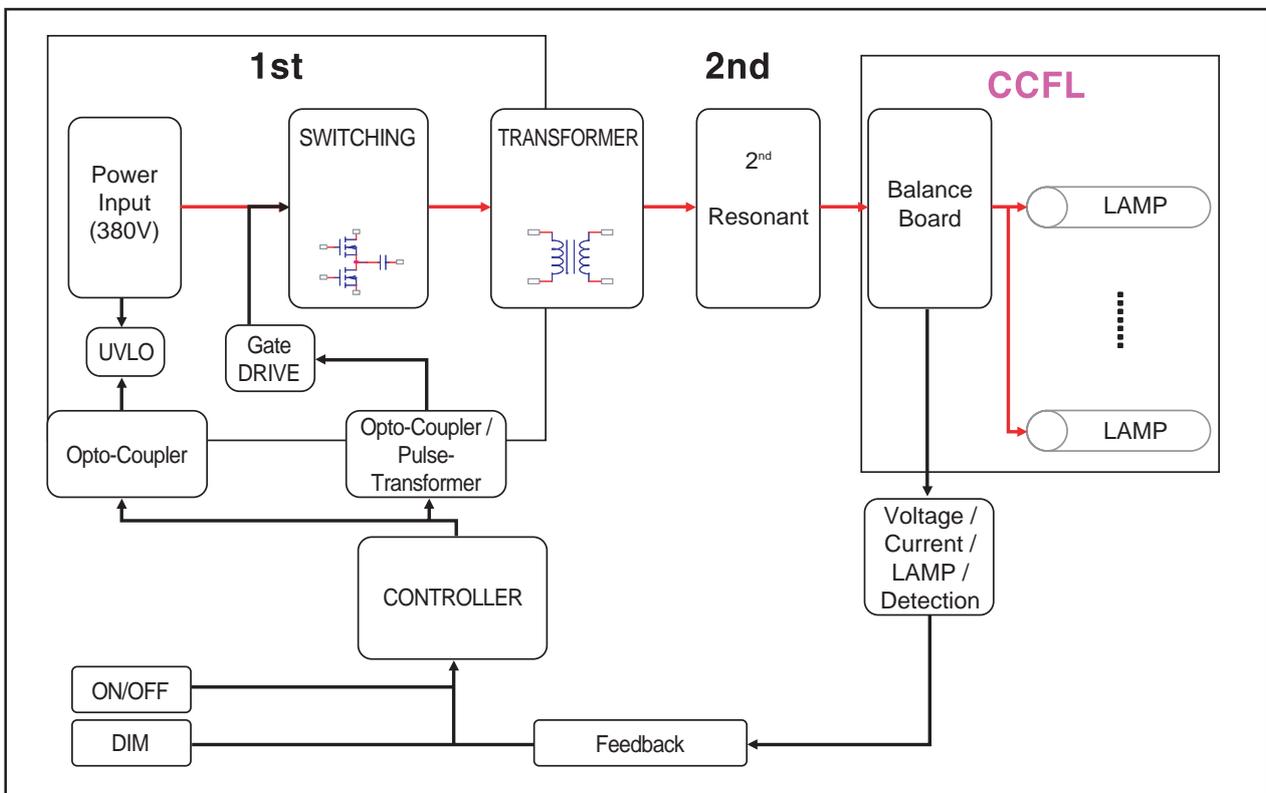
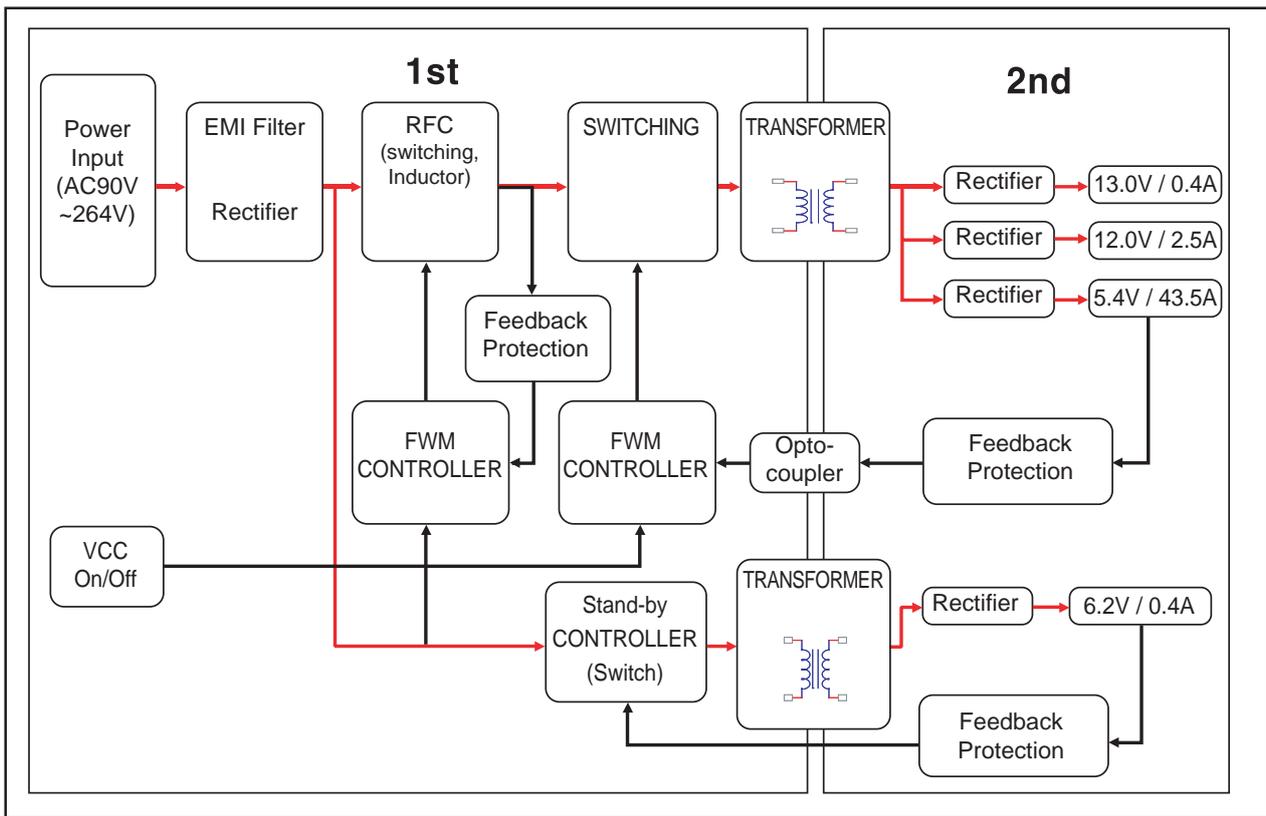
13-3-4 SMPS Block



13 Circuit Descriptions

Output Name	Output Voltage			Output Current			Load Characteristics	PCB Loc.	Usage	Remark
	Normal	Regulation(%)	Variable Range	Min	Typical	Peak				
24V	24.5V	± 4	23.52V ~25.48V	0.0V	5.0V	8.0V	Pulsating	Main B'D	Drive	-
5.4V	5.4V	± 5	5.13V ~5.67V	0.0V	4.0V	5.0V	Constant	Main B'D	Drive, Logic, Buffer, Image Digital	-
13V	12.7V	± 7	11.9V ~13.7V	0.0V	0.3V	0.5V	Constant	Main B'D	Image Analog	-
Vamp	9.2V	± 4	11.52V ~12.5V	0.0V	0.5V	3.0V	Constant	Main B'D	Sound	-
ST-BY	6.0V	± 5	5.70V ~6.30V	0.0V	0.3V	0.6V	Constant	Main B'D	Stand-by	-

13-3-5 SMPS Block



Memo

14 Reference Information

14-1 Technical Terms

- TFT-LCD

(Thin film Transistor Liquid Crystal Display)

ADC(Analog to Digital Converter)

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

- PLL(Phase Locked Loop)

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

- Inverter

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

- AC Adapter

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

- 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

- FRC(Frame Rate Controller)

Technology that change 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.

- Image Scaler

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

- Auto Configuration(Auto adjustment)

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

- OSD(On Screen Display)

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

- Image Lock

This means "Fineness adjustment" in LCD Monitor, the features are "Fine" and "Coarse"

- FINE

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

- COARSE

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

- DVI (Digital Visual Interface)

This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily focused at providing a connection between a computer and its display device.

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

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

- DVI (Digital Visual Interface)

This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily focused at providing a connection between a computer and its display device.

- 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.

- 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.

- 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.

- 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

- 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.

- 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.

- 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).

- 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.

- EIAJ

Electronic Industries Association of Japan.

- 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.

- Sound Balance

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

- 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.

- S-Video

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

- VHF/UHF

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

- 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.

- 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.

14-2 Pin Assignments

14-2-1 DVI-D

Pin No.	Sync Type	24P DVI-D	
1	Rx2-	13	NC
2	Rx2+	14	DDC Input power (+5V)
3	GND	15	IDENT-DVI
4	NC	16	Output Signal (HDCP Control)
5	NC	17	Rx0-
6	DDC - SCL	18	Rx0+
7	DDC - SDA	19	GND
8	NC	20	NC
9	Rx1-	21	NC
10	Rx1+	22	GND
11	GND	23	RxC+
12	NC	24	RxC-

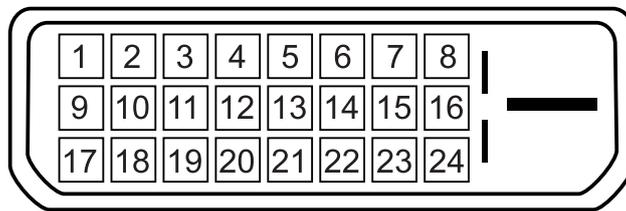


Figure 1.

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

ZBoth 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	37.864	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.

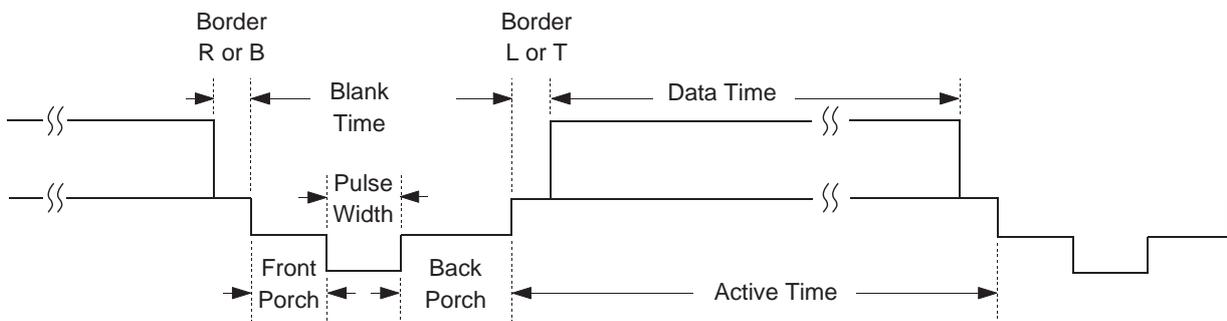
- DVI dose not support PC function.

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 (H x V)	1366 x 768
HORIZONTAL	
Frequency	47.712kHz
Total time	20.959 μ s
Active time	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	60.015kHz
Total time	16.662ms
Active time	16.097ms
Blank time	0.566ms
Border (L / R)	0.000ms
Data time	16.097ms
Front porch	0.063ms
Sync.width	0.105ms
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.	2	3	11	17	32
Originator	IBM	IBM	VESA	VESA	MAC
Mode Name	VGA2	VGA3	640/72Hz	640/75Hz	640/67Hz
Resolution (H x V)	720 x 400	640 x 480	720 x 400	720 x 400	640 x 480
HORIZONTAL					
Frequency	31.169kHz	31.469kHz	37.861kHz	37.500kHz	37.000kHz
Total time	31.777 μ s	31.778 μ s	26.413 μ s	26.667 μ s	28.571 μ s
Active time	26.058 μ s	26.058 μ s	20.825 μ s	20.317 μ s	21.164 μ s
Blank time	5.720 μ s	5.720 μ s	5.588 μ s	6.350 μ s	7.407 μ s
Border (L / R)	0.318 μ s	0.318 μ s	0.254 μ s	0.000 μ s	0.000 μ s
Data time	25.422 μ s	25.422 μ s	20.317 μ s	20.317 μ s	21.164 μ s
Front porch	0.318 μ s	0.318 μ s	0.508 μ s	0.508 μ s	2.116 μ s
Sync.width	3.813 μ s	3.813 μ s	1.270 μ s	2.032 μ s	2.116 μ s
Back porch	1.589 μ s	1.589 μ s	3.810 μ s	3.810 μ s	3.175 μ s
Sync. polarity	Negative	Negative	Negative	Negative	Negative
VERTICAL					
Frequency	70.087kHz	59.940kHz	72.809kHz	75.000kHz	66.667kHz
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 (L / R)	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 (H x V)	800 x 600	800 x 600	800 x 600
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	3.200 μ s	1.280 μ s	3.232 μ s
Sync. polarity	Positive	Positive	Positive
VERTICAL			
Frequency	60.317kHz	72.188kHz	75.000kHz
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 (L / R)	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.	15	16	19	
Originator	VESA	VESA	VESA	VESA
Mode Name	1024/60Hz	1024/70Hz	1024/75Hz	1360/60Hz
Resolution (H x V)	1024 x 768	1024 x 768	1024 x 768	1360 x 768
HORIZONTAL				
Frequency	48.363kHz	56.476kHz	60.023kHz	47.712kHz
Total time	20.677 μ s	17.707 μ s	16.660 μ s	20.959 μ s
Active time	15.754 μ s	13.653 μ s	13.003 μ s	15.906 μ s
Blank time	4.923 μ s	4.053 μ s	3.777 μ s	5.053 μ s
Border (L / R)	0.000 μ s	0.000 μ s	0.000 μ s	0.000 μ s
Data time	15.754 μ s	13.653 μ s	13.003 μ s	15.906 μ s
Front porch	0.369 μ s	0.320 μ s	0.323 μ s	0.749 μ s
Sync.width	2.092 μ s	1.813 μ s	1.219 μ s	1.702 μ s
Back porch	2.462 μ s	1.920 μ s	2.235 μ s	2.994 μ s
Sync. polarity	Negative	Negative	Positive	Positive
VERTICAL				
Frequency	60.004kHz	70.069kHz	75.029kHz	60.015kHz
Total time	16.666ms	14.272ms	13.328ms	16.662ms
Active time	15.880ms	13.599ms	12.795ms	16.097ms
Blank time	0.786ms	0.672ms	0.533ms	0.566ms
Border (L / R)	0.000ms	0.000ms	0.000ms	0.000ms
Data time	15.880ms	13.599ms	12.795ms	16.097ms
Front porch	0.062ms	0.053ms	0.017ms	0.063ms
Sync.width	0.124ms	0.106ms	0.050ms	0.105ms
Back porch	0.600ms	0.513ms	0.466ms	0.377ms
Sync. polarity	Negative	Negative	Positive	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 Reference Information

14-4 Panel Description

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

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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
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

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Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTA260W2-L01	BN07-00185A	SPZ		AMLCD 26" 16:9 new Panel
SEC	LTM240M1-L01	BN07-00195A	SPH		24" panel with high brightness deveiopment
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
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	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
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	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

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
HANNSTAR	HSD150MX17-A	BN07-00226A	NTZ		Hannstar 15" slim panel ZPD code derivation
TORISAN	TM150XG-22L03(A)	BN07-00021A	RA		-
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"
ACER	L170E3	BN07-00044A	AA		TN(ADT)
ACER	M170EN05	BN07-00076A	AB		AU 17" Panel (Narrow & slim design)

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Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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)"
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		
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
NEC	SVA150XG04TB	BN07-00225A	BTZ		SVA NEC 15" panel ZPD code