

SAMSUNG

液晶电视

底板
SP20SO

型号
LA20S51B

维修手册

液晶电视

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三星电子有限公司



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1 注意事项

遵循这些安全、维修和ESD注意事项以防损坏并防止电击等隐患。

1-1 安全注意事项

1-1-1 警告

1. 为了持续保持安全，不要企图修改电路板。
2. 在维修之前，断开交流电源和直流电源插座。

1-1-2 维修液晶电视

1. 在维修液晶电视时，从交流插座拔下交流电线。
2. 维修技术人员配有在任何时候都可以使用的准确电压表，这一点至关重要。定期检查电压表的校准情况。

1-1-3 火灾和电击危险

在将液晶电视返还给用户之前，进行以下安全检查：

1. 检查每根导线外皮，确信导线没有受到挤压且硬件没有被置于液晶电视底板和其它金属部件之间。
2. 检查所有保护装置，如非金属控制旋钮、绝缘材料、机箱背面、调节和机箱盖或护罩、绝缘电阻-电容器网络、机械隔离器等。
3. 漏泄电流热检查（图1-1）：

警告：在测试期间，不要使用隔离变压器。

使用符合美国国家标准协会（ANSI C101.1，*电器漏泄电流*）和保险商实验所（UL出版物UL1410,59.7）的漏泄电流测试仪或计量系统。

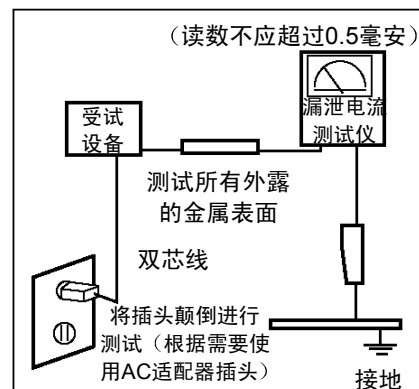



图1-1 漏泄电流测试电路

4. 在完全重新组装本机后，将交流电源线直接插入到120V交流插座上。首先将本机的交流开关置于打开的位置，然后置于关闭的位置，测量已知接地点（金属水管、管道等）和所有外露金属部件之间的电流，包括金属机箱、螺钉头和控制轴。测量的电流不应超过0.5毫安。把电源插头的插脚在交流插座中调换过来并重复试验。

1-1-4 产品安全通知

一些电气和机械部件具有特殊的安全相关特性，这些特性通常不太明显，不易通过目视检查察觉。这些部件所提供的保护作用无法通过更换具有更高电压、瓦数等额定值的部件获得。具有特殊安全特性的部件在原理图和零件清单中通过  标出。不具有与推荐的备件相同的安全特性的更换件可能产生电击、火灾和/或其它危险。应持续审查产品的安全并根据需要，发布新的指示。

1-2 维修注意事项

警告：安装极性错误的电解电容器会发生爆炸。

小心：维修本维修手册中叙述的设备前，请阅读并遵循本手册中“安全注意事项”一节。

注意：如果无法预见的情况在维修注意事项和安全注意事项之间造成冲突，要遵守安全注意事项。

1-2-1通用维修注意事项

1. 在准备进行以下操作之前，要将本机的交流电源线从交流电源拔下来并断开直流电源插口的连接：

(a)拆除或重新安装任何部件或组件，(b)拔下印刷电路板插头或连接器，(c)连接与电解电容器并联的所有测试部件。
2. 为了安全起见，一些部件被抬高，高过印刷电路板。有时，使用绝缘管或胶带。有时，内部接线被夹起来，目的是为了防止与致热部件接触。把所有此类元件重新安装到其原来的位置。
3. 在维修后，要检查螺钉、部件和接线是否正确地重新安装。要保证维修过的部件周围区域没有损坏。
4. 检查交流插座的插片和易碰到的导电部件（如金属盘、输入端子和耳机塞孔）之间的绝缘情况。
5. 绝缘检查步骤：由交流电源断开电源线并把电源开关转到打开的位置。将绝缘电阻表（500伏）连接到交流插头的插片上。

交流插头的各插片和易碰到的导电部件之间的绝缘电阻（见上面）应大于1兆欧。
6. 在连接正极性导线之前，应把测试仪接地线接到仪表底板上；始终最后拆除仪表的接地线。

1-3 静电敏感器件(ESD)注意事项

一些半导体（固态）设备很容易被静电损坏。此类部件一般被称为静电敏感器件（ESD）。典型的ESD器件有集成电路和一些场效应晶体管。下列方法会减少静电造成的部件损坏事件的发生率。

1. 在处理任何半导体部件或组件之前，要立即通过接触已知的接地点，将静电从身体上放掉。另外一种办法是，戴上放电的腕带装置。为了避免电击的危险，在给液晶电视加电之前，务必取下腕带。
2. 在拆除配有ESD的组件后，将其放到导电平面（如铝箔）以防积聚静电。
3. 不要使用带有氟里昂的化学品。这会产生足以破坏ESD的电荷。
4. 仅使用接地的烙铁焊接或焊开ESD。
5. 仅使用防静电除焊装置。一些不属于“防静电”类的除焊装置可能产生足以破坏ESD的电荷。
6. 在准备安装之前，不要将备用ESD由保护包装中取出。绝大多数备用ESD均包装有导线，这些导线通过导电泡沫、铝箔或其它导电材料短接。
7. 即将由备用ESD导线上除去保护材料之前，应使保护材料与安装器件的底板和电路组件接触。

注意：不要给底板或电路加电并遵守其它安全注意事项。
8. 在处理没有包装的备用ESD时，要尽量减少身体的运动。一些运动如摩擦衣服或由铺地毯的地板上抬起脚都会产生足以破坏ESD的静电。

2 产品规格

2-1 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、20 英寸可视，0.2125(水平)×0.6375(竖直)mm 像素点距	
扫描频率	水平：28 kHz~47 kHz（自动） 竖直：50 Hz~75 Hz（自动）	
显示颜色	16.7M 种颜色	
最大分辨率	水平：800 像素 竖直：600 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	
有效显示 水平/竖直	408 mm(水平)/306mm(竖直)	
交流电源电压和频率	AC 100~240 伏 (50/60Hz)	
功耗	55W	
尺寸（宽×深×高） 本机	607 x 215 x 464mm（安装底座后） 607 x 94 x 436mm（无底座） 607 x 159 x 516mm（折叠底座）	
包装	700 x 577 x 218mm	
本机重量/包装	7.8 kg/ 11.2 kg	
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%	
电视制式	调谐	频率合成
	制式	PAL/SECAM/NTSC4.43, NTSC 3.58
	声音	单声、立体声、双声 1、2、A2/NICAM
天线输入	75 欧姆，同轴电缆	
声音特点	-最大内部扬声器输出：右=>2.5W 左=>2.5W -耳机输出：10mW 最大（3.50 立体声插口 32） -输出频率：在-3dB 时，RF=>80Hz ~ 15 kHz 在-3dB 时，A/V=>80Hz ~ 20 kHz	

2-2 管脚配置

2-2-1 DVD

RCA 绿色	Y
	GND
RCA 蓝色	Pb (Cb)
	GND
RCA 红色	Pr (Cr)
	GND
RCA 白色	Audio L
	GND
RCA 红色	Audio R
	GND

2-2-2 S-Video

管脚	单独分开
1	GND
2	Y
3	C
4	GND
5	GND

2-2-3 A/V

RCA 黄色	CVBS
RCA 白色	Audio L
	GND
RCA 红色	Audio R
	GND

2-2-4 D-SUB

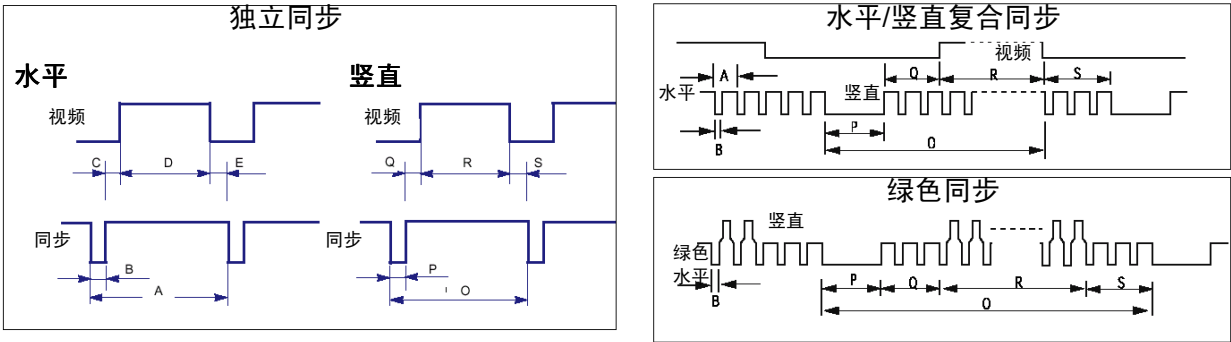
管脚	单独分开
1	红色
2	绿色
3	蓝色
4	GND
5	GND (DDC 返回)
6	GND 红色
7	GND 绿色
8	GND 蓝色
9	未连接
10	GND 同步/自检
11	GND
12	DDC 数据
13	水平同步
14	竖直同步
15	DDC 时钟

2-3 同步图

维修手册中本章叙述计算机行业公认为计算机生成的视频信号标准的同步情况。

表 2-1 同步图

模式 同步	IBM				VESA		
	VGA2/70 Hz 720 x 400	VGA3/60 Hz 640 x 480	640/75 Hz, 60Hz, 72Hz 640 x 480	800/75 Hz, 56Hz, 60Hz, 72Hz 800 x 600	1024/60Hz 1024 x 768	1024/75Hz 1024 x 768	1280/75Hz,50Hz 1280x1024
fH (kHz)	31.469	31.469	37.500	46.875	48.363	60.023	
A 微秒	31.777	31.778	26.667	21.333	20.677	16.660	79.976
B 微秒	3.813	3.813	2.032	1.616	2.092	1.219	12.504
C 微秒	1.589	1.589	3.810	3.232	2.462	2.235	
D 微秒	26.058	26.058	20.317	16.162	15.754	13.003	1.067
E 微秒	0.318	0.318	0.508	0.323	0.369	0.203	
fV (Hz)	70.087	59.940	75.000	75.000	60.004	75.029	1.837
O 毫秒	14.268	16.683	13.333	13.333	16.666	13.328	9.481
P 毫秒	0.064	0.064	0.080	0.064	0.124	0.050	
Q 毫秒	0.858	0.794	0.427	0.448	0.600	0.466	0.119
R 毫秒	13.155	15.761	12.800	12.800	15.880	12.795	75.025
S 毫秒	0.191	0.064	0.027	0.021	0.062	0.017	
时钟频率 (MHz)	28.322	25.175	31.500	49.500	75.000	78.750	13.329
极性							
水平同步	负	负	负	正	负	正	0.038
竖直同步	正	负	负	正	负	正	0.475
备注	独立	独立	独立	独立	独立	独立	12.804



A：总行时
B：水平同步宽度
C：后沿
D：有效时间
E：前沿

O：总帧时
P：竖直同步宽度
Q：后沿
R：有效时间
S：前沿

备忘录

3 拆卸和重新组装

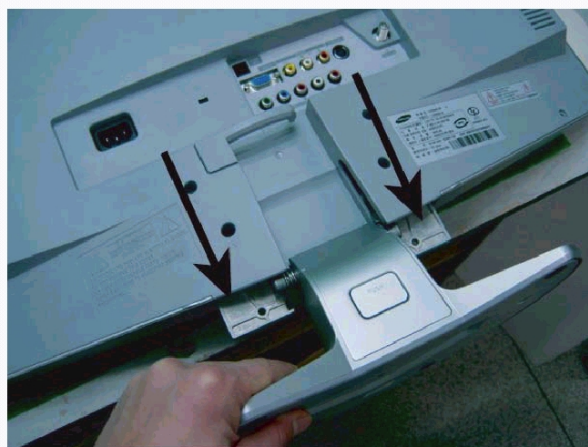
维修手册的这一章叙述 LA20S51B 液晶电视的拆卸和重新组装步骤。

⚠ 警告： 本显示器包含静电敏感器件。处理这些部件时应小心。

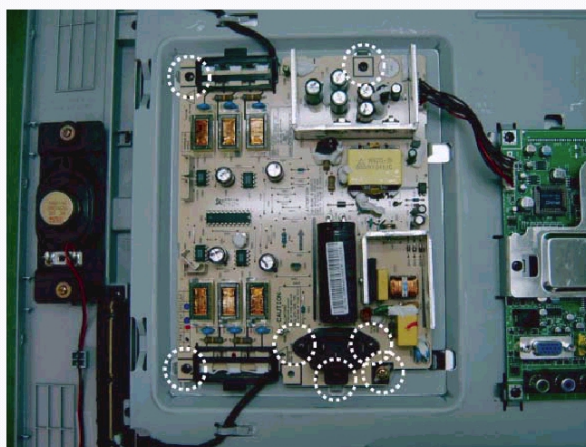
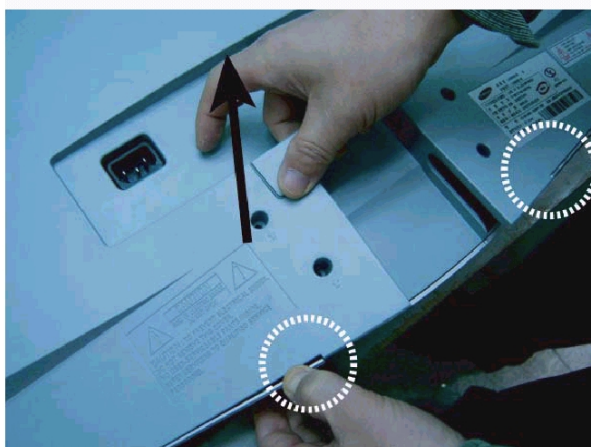
3-1 拆卸

⚠ 小心： 1. 拆卸前，断开液晶电视电源。

2. 认真遵守这些说明；切勿使用除提供的开启工具之外的金属器具撬开机箱。

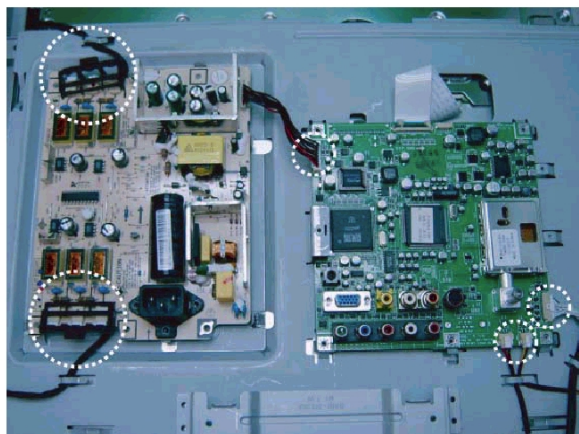
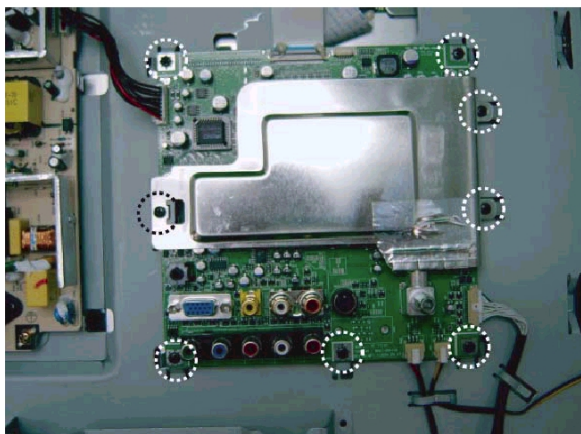


1. 将液晶电视面朝下放到铺有垫子的桌子上。拆除 4 个螺钉，并拆除底座。

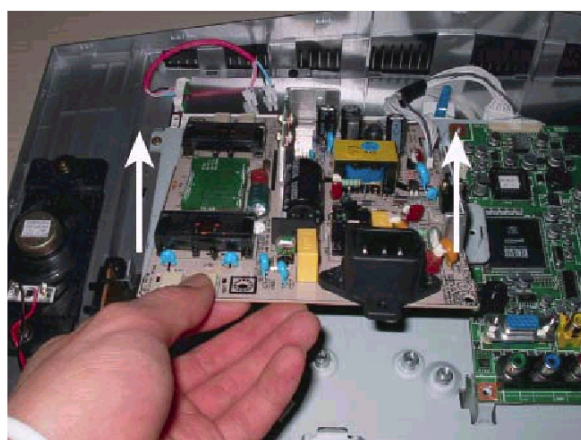


2. 提起后盖，并从电源板拆除 7 个螺钉。

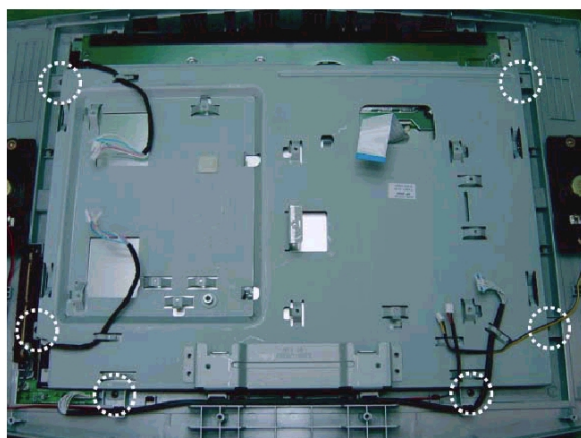
3 拆卸和重新组装



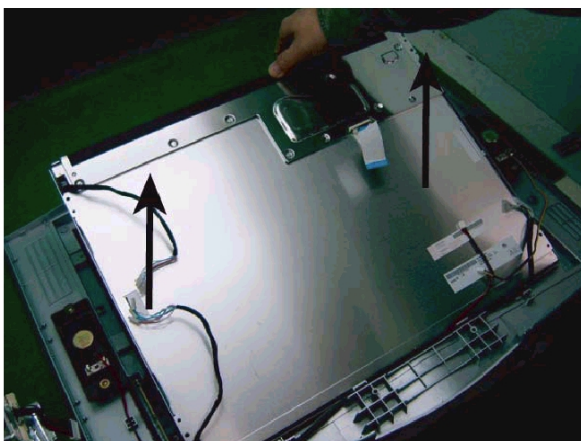
3. 从主板拆除 8 个螺钉，并断开电缆。



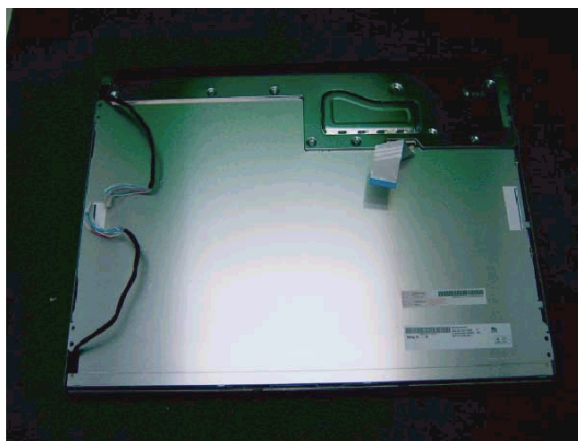
4. 提起电源板和主板。



5. 从支架拆除 6 个螺钉，并提起支架。



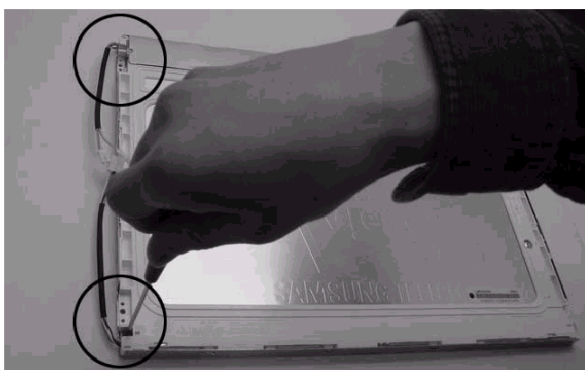
5. 提起屏面。



3-2灯组件的更换顺序

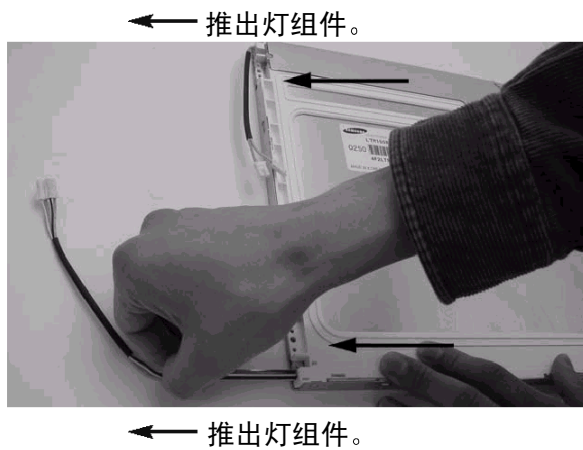


1. 确认桌面上没有任何东西后，将液晶显示屏模块翻转过来，并将该模块置于接地的平坦的桌子上。



2. 从灯组件拆除 2 个螺钉。

3 拆卸和重新组装



3. 推出灯组件。请从液晶显示屏模块取出灯组件。



4. 请将新灯组件安装于液晶显示屏模块上：与步骤 2 和 3 相反

3-3 重新组装

重新组装步骤与拆卸步骤相反。

4 调整和调节

4-1 通用调整说明

1. 通常，彩色液晶电视只需在安装时稍加调节。检查基本特性，如高度、水平和竖直同步。
2. 使用规定的测试设备或等效品。
3. 需要正确的匹配阻抗。
4. 避免过载。扫描振荡器发出的过多信号可能使电视的前端过载。当插入标志信号时，不可使标志信号发生器干扰测试结果。
5. 只可把电视连接到具有后盖铭牌上标定的电压和频率的直流电源上。
6. 当电视机处于开机状态时，不可试图连接或断开接线。必须保证在更换任何零件时拔下电源线。
7. 为了防止电击危险，应使用隔离变压器。

4-2 工厂模式调节

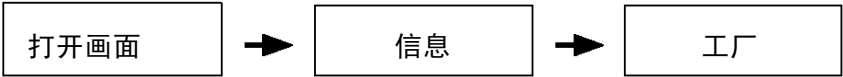
4-2-1 进入工厂模式

1. 如欲进入“维修模式”，可按下列顺序按下遥控键：

-如果没有工厂遥控器

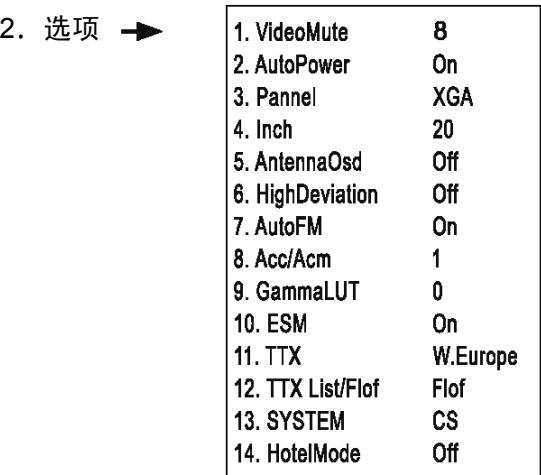


-如果有工厂遥控器



4-2-2 工厂模式树形图

1. Calibration	
2. Option	18 7B 0000
3. W/B	
4. ADC	
5. VCTi	1000
6. ACC/ACM	
7. Test Pattern	0
8. Bus Stop	off
9. Check Sum	0000
10. Reset	
T-VNC25PEA-0009 2004/08/31	



3. W/B(1) →

R level	128
G level	128
B level	128
R gain	128
G gain	128
B gain	128
g Sub Color	0
g Sub Tint	50
Recall	

3. W/B(2) →

调节项目		射频 [初始数据]	射频 [调节数据]	备注
红色电平	ADJ[0~255]	128	128	蓝色电平 113FIX
绿色电平	ADJ[0~255]	128	128	
蓝色电平	FIX[0~255]	118	113	
红色增益	FIX[0~255]	140	140	红色增益 140FIX
绿色增益	ADJ[0~255]	128	135	
蓝色增益	ADJ[0~255]	128	135	
gSUB 颜色	FIX[0~255]	0	0	
gSUB 色调	FIX[0~255]	50	50	
工厂调用	*A/S: Micorm 初始数据写入			

项目		动态正常		备注
模式		射频[ADJ]	PC	*在组件和 PC 中不能调节白平衡。
信号源		外部输入 ABL 模式 [MSPG925LTH]	外部输入 ABL 模式 [MSPG925LTH]	
白平衡过程 调节规格	高	X=265±2,y=265±2	不能调节	
	低	X=265±2,y=265±2	不能调节	*在强光或弱光中只可调节 x、y 轴。
白平衡规格	高	X=265±15, y=265±15, Y=25.0 [FL]	X=250±30,y=260±30	
	低	X=265±20, y=265±20, Y=0.2±0.8[FL]	X=250±30,y=255±30	

4. ADC ➡

VCTi		Compenent		PC	
R offset	53	R offset	113	R offset	66
G offset	43	G offset	85	G offset	63
B offset	47	B offset	83	B offset	51
R gain 0	125	R gain 0	207	R gain 0	54
R gain 1	1	R gain 1	1	R gain 1	1
G gain 0	122	G gain 0	31	G gain 0	62
G gain 1	1	G gain 1	1	G gain 1	1
B gain 0	134	B gain 0	205	B gain 0	66
B gain 1	1	B gain 1	1	B gain 1	1

5. VCTi ➡

R Drive	255	RF AGC	5	CR P DATA	4
G Drive	255	Vpeaking	6	CRP	2
B Drive	255	CTI GAIN	3	CR AMP TH	64
Sub Contrast	44	CTI CORING	5	V CR CNT	5
Sub Bright	0	LMIXOFS	6	SLL THD V	5
Sub Sharp	10	PKCF	3	THR SEL	0
Sud color	7	AGCADJ1	32	SLL THD ETC	0
Sub Tint	48	LTI Gain	15	RF_dB-1	
Sub Coring	5			RF_dB-2	
				RF_dB-3	

6. ACC/ ACM ➡

Y Max D	3	Up Start	150
Y Scl Thr	80	Low Sn Thr	0
Y Scl A	4	Up Sn Thr	0
Y Scl B	5	Y Min	16
A Ctrl	1	Y Max	240
A SnsIp	8	Ym Div Slp	128
T Dixel	12	Fr Age	1
Lower End	90	Fr App	1
Mid Start	60	Esm Ctrl	127
Mid End	170		

7. 测试图案 (VCTi 的测试图案)

- | |
|--------------|
| 1) VCTi |
| 2) Toshiba |
| 3) Gray Bar |
| 4) Gray |
| 5) Green |
| 6) Color Bar |
| 7) Cross |

8. 总线停止

-总线停止用于数据通信。

9. 检验和

-显示 MICOM 的当前检验和大小。

10. 复位

-初始化 MICOM 中的数据。

11. T-VNC25PEA-0004 2004/06/22

-显示 MICOM 程序版本。

4-2-3 白平衡

高	低
263±5, 267±5	267±5, 263±5
x, y	x, y

4 调整和调节

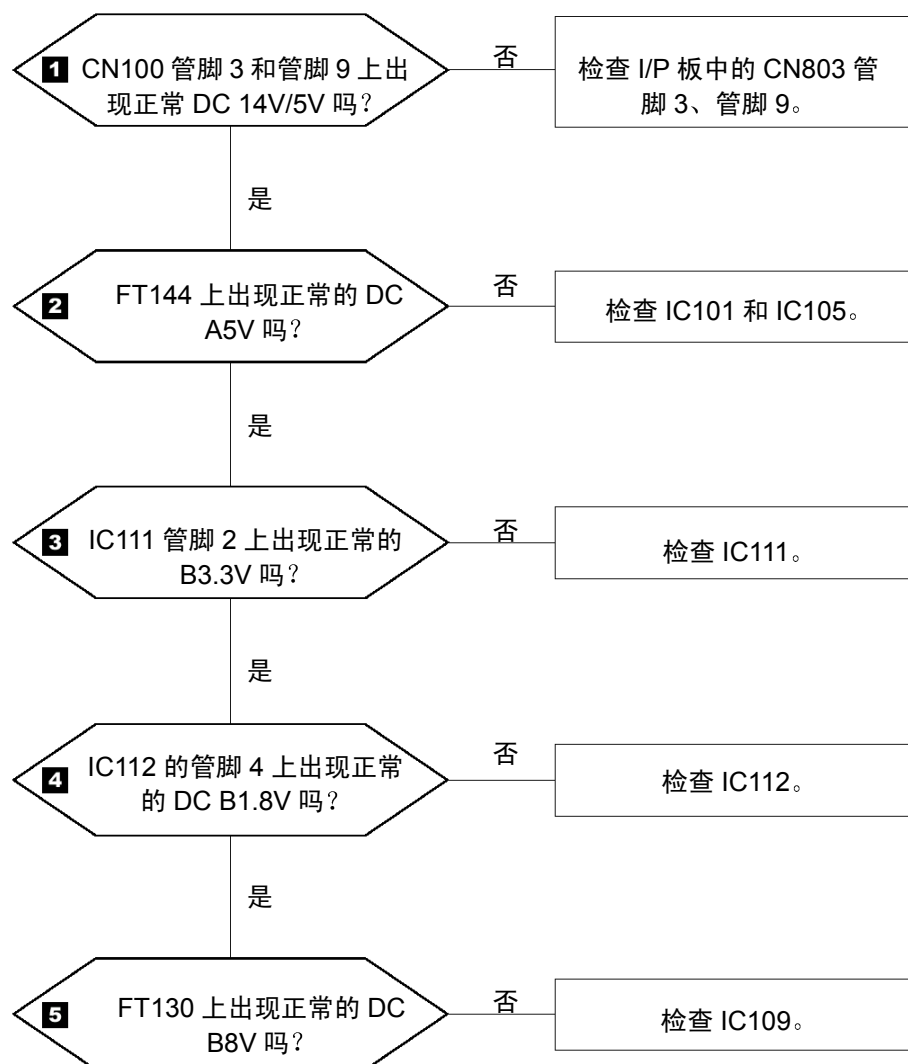
4-2-4 校准

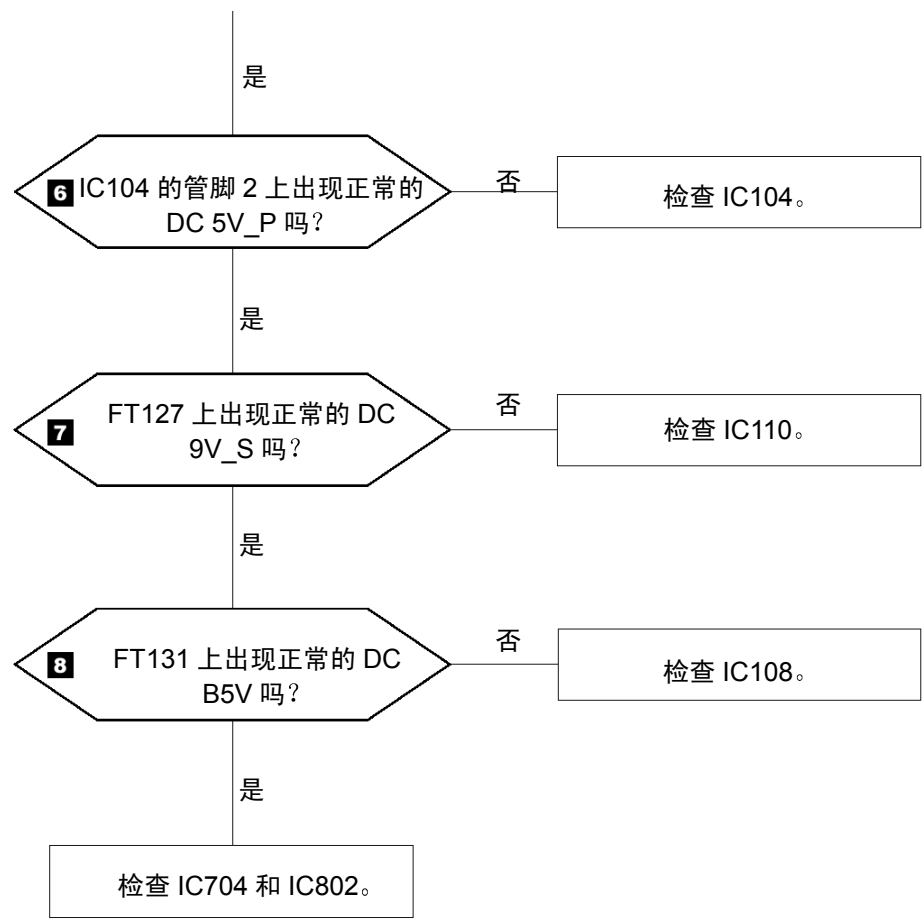
- (1) 射频、视频、S-VIDEO: 工厂模式→校准→VCTi→确定
- (2) 分量: 在 480p 的 16 灰度图中调节。
依据主设备 (视频信号发生器 MSPG-925F)
对 16 灰度图调节后 (机型: 212, 图: 17)
工厂模式→校准→分量→确定
- (3) PC: 在 VGA 模式中调节。
依据主设备 (视频信号发生器 MSPG-925F)
在交叉影线图中自动调节 (也称为组合) (机型: 10, 图: 25)
在调节 16 灰度图后 (机型: 10, 图: 17)
工厂模式→校准→PC→确定
- (4) 检查 4.工厂模式 ADC。可调节如下。
值偏差可为 ±10~20。

VCTi			分量			PC		
红色偏移	FIX[0~127]	46	红色偏移	FIX[0~127]	64	红色偏移	FIX[0~127]	50
绿色偏移	FIX[0~127]	66	绿色偏移	FIX[0~127]	86	绿色偏移	FIX[0~127]	54
蓝色偏移	FIX[0~127]	68	蓝色偏移	FIX[0~127]	64	蓝色偏移	FIX[0~127]	44
红色增益 0	FIX[0~255]	251	红色增益 0	FIX[0~255]	215	红色增益 0	FIX[0~255]	115
红色增益 1	FIX[0 ~ 1]	0	红色增益 1	FIX[0 ~ 1]	1	红色增益 1	FIX[0 ~ 1]	1
绿色增益 0	FIX[0~255]	255	绿色增益 0	FIX[0~255]	247	绿色增益 0	FIX[0~255]	120
绿色增益 1	FIX[0 ~ 1]	0	绿色增益 1	FIX[0 ~ 1]	0	绿色增益 1	FIX[0 ~ 1]	1
蓝色增益 0	FIX[0~255]	253	蓝色增益 0	FIX[0~255]	215	蓝色增益 0	FIX[0~255]	114
蓝色增益 1	FIX[0 ~ 1]	0	蓝色增益 1	FIX[0 ~ 1]	1	蓝色增益 1	FIX[0 ~ 1]	1

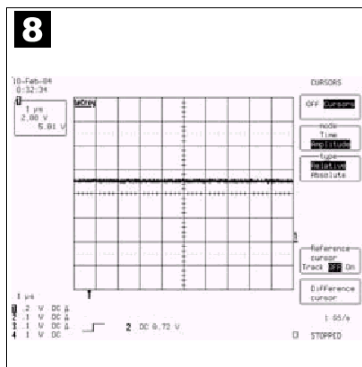
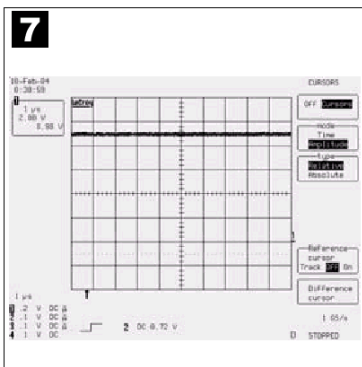
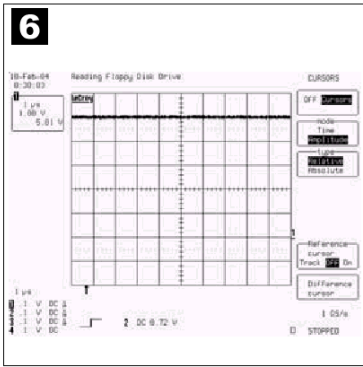
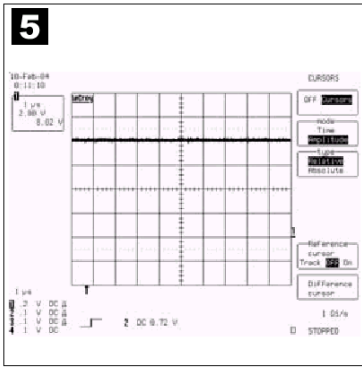
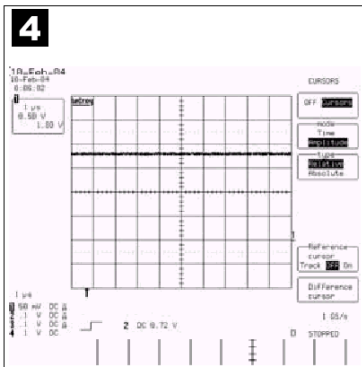
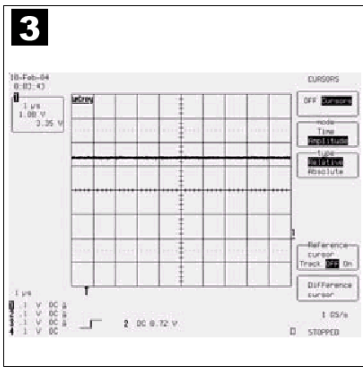
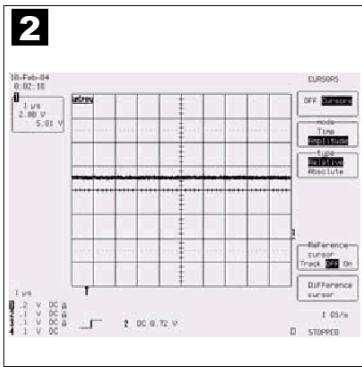
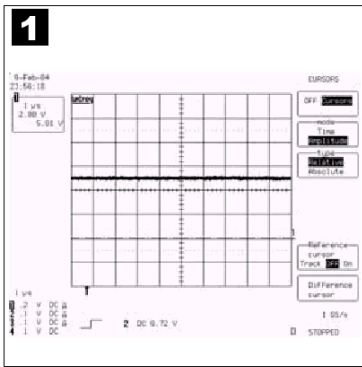
5 故障排除

5-1 未通电

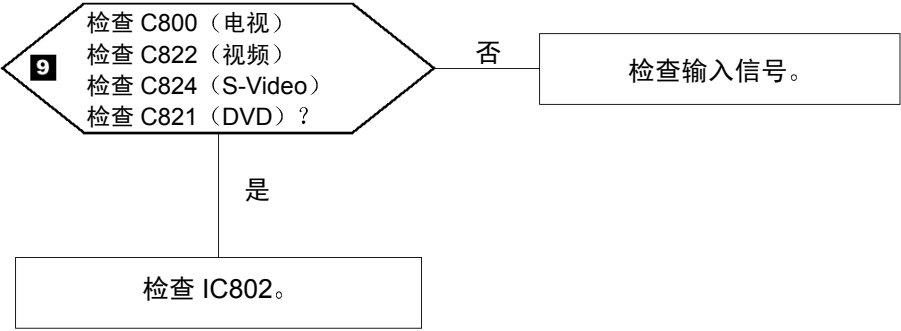




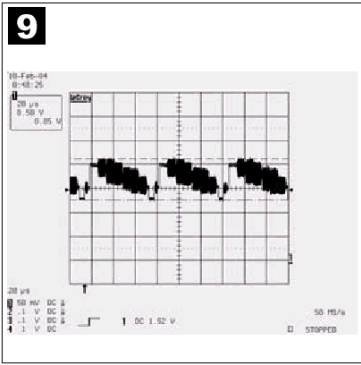
波形



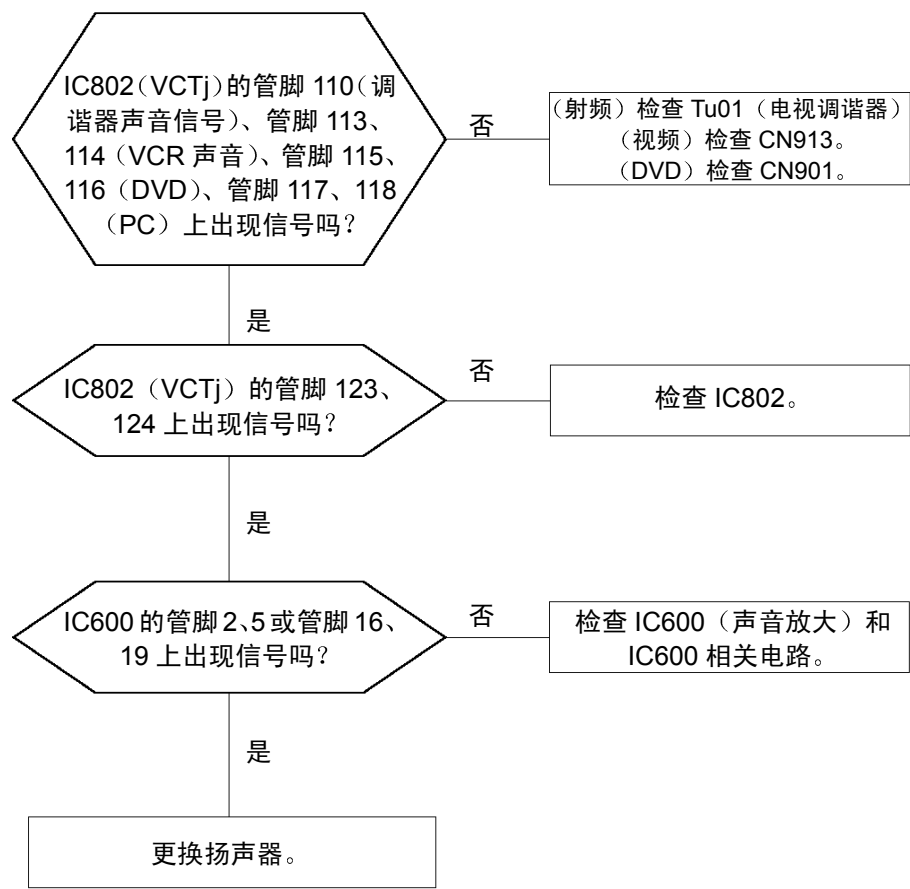
5-2 无画面（电视、视频、S-Video、DVD）



波形



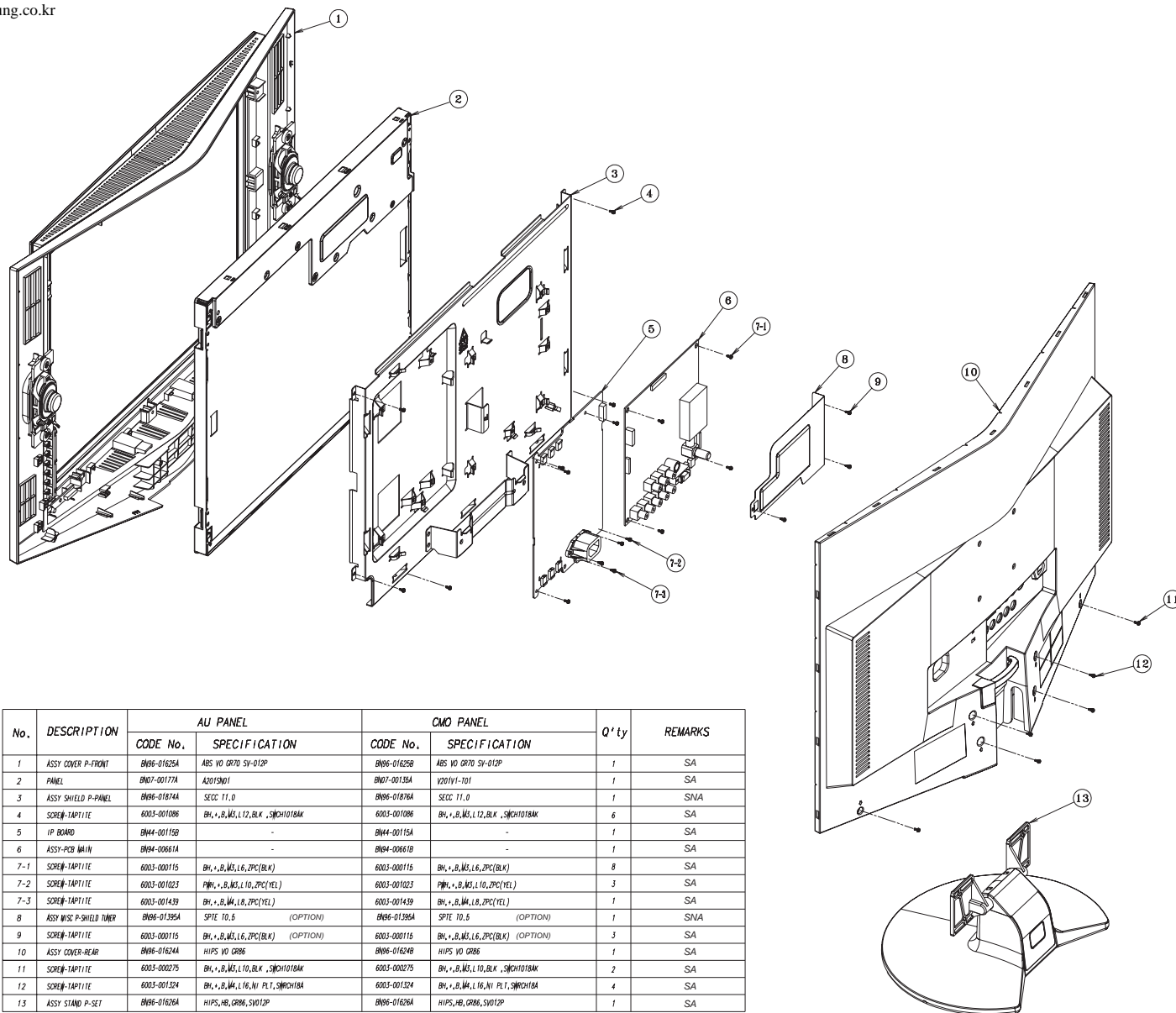
5-3 没有声音



备忘录

6 Exploded View and Parts List

- You can search for updated part codes through ITSELF web site.
URL : <http://itself.sec.samsung.co.kr>



No.	DESCRIPTION	AU PANEL		CMO PANEL		Q'ty	REMARKS
		CODE No.	SPECIFICATION	CODE No.	SPECIFICATION		
1	ASSY COVER P-FRONT	BN96-01625A	ABS VO GR7D SY-012P	BN96-01625B	ABS VO GR7D SY-012P	1	SA
2	PANEL	BN07-00177A	A2013N01	BN07-00135A	V201V1-T01	1	SA
3	ASSY SHIELD P-PANEL	BN96-01874A	SECC T1.0	BN96-01876A	SECC T1.0	1	SINA
4	SCREW-TAPTITE	6003-001086	BH,+B,M5,L12,BLK ,S10CH1018M	6003-001086	BH,+B,M5,L12,BLK ,S10CH1018M	6	SA
5	IP BOARD	BN44-00115B	-	BN44-00115A	-	1	SA
6	ASSY-PCB MAIN	BN94-00661A	-	BN94-00661B	-	1	SA
7-1	SCREW-TAPTITE	6003-000115	BH,+B,M5,L6,ZPC(BLK)	6003-000115	BH,+B,M5,L6,ZPC(BLK)	8	SA
7-2	SCREW-TAPTITE	6003-001023	PH,+B,M3,L10,ZPC(YEL)	6003-001023	PH,+B,M3,L10,ZPC(YEL)	3	SA
7-3	SCREW-TAPTITE	6003-001439	BH,+B,M4,L8,ZPC(YEL)	6003-001439	BH,+B,M4,L8,ZPC(YEL)	1	SA
8	ASSY WISC P-SHIELD TUNER	BN96-01395A	SPTF T0.5 (OPTION)	BN96-01395A	SPTF T0.5 (OPTION)	1	SINA
9	SCREW-TAPTITE	6003-000115	BH,+B,M5,L6,ZPC(BLK) (OPTION)	6003-000115	BH,+B,M5,L6,ZPC(BLK) (OPTION)	3	SA
10	ASSY COVER-REAR	BN96-01624A	HIPS VO GR86	BN96-01624B	HIPS VO GR86	1	SA
11	SCREW-TAPTITE	6003-000275	BH,+B,M5,L10,BLK ,S10CH1018M	6003-000275	BH,+B,M5,L10,BLK ,S10CH1018M	2	SA
12	SCREW-TAPTITE	6003-001324	BH,+B,M4,L16,N1 PLT,S10CH1018A	6003-001324	BH,+B,M4,L16,N1 PLT,S10CH1018A	4	SA
13	ASSY STAND P-SET	BN96-01626A	HIPS,H8,GR86,S1012P	BN96-01626A	HIPS,H8,GR86,S1012P	1	SA

Memo

7 Electrical Parts List

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

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

7-1 LA20S51B1X/XTT Parts list

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
0		LA20S51B1X/XTT	LA20S51B1,Q20G/20A82-GSP,20,LCD-TV,CHINA		
0.1	M0001	BN90-00707E	ASSY COVER FRONT;SP20CO	1	S.N.A
..2	T0003	BN96-01625E	ASSY COVER P-FRONT;SP20CO,ABS,V0,GR70,SV	1	S.A
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	3	S.N.A
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	1	S.N.A
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	2	S.N.A
...3	M0081	6003-001467	SCREW-TAPTITE;PWH,+B,M3,L10,ZPC(YEL)	4	S.N.A
...3	T0069	AA60-00091J	SPACER-FELT,-,FELT,330X10,-,BLK,T0.5,-	2	S.N.A
...3	T0069	AA63-60001E	SPACER-FELT,-,FELT,-,-,BLK,0.5,-,55X15	1	S.N.A
...3	M2893	BN39-00613A	LEAD CONNECTOR;SPARTA,UL1061#28,UL/CSA,1	1	S.A
...3	MASK	BN63-01151A	FELT-NON WOVEN;MM17NS,T0.5,393,10,BLACK	2	S.N.A
...3	MASK	BN63-01151C	FELT-NON WOVEN;SP20UO,FELT,T0.5,5,450	2	S.N.A
...3	KNOB	BN63-01151D	FELT-NON WOVEN;SP20UO,FELT,T0.5,10,90	2	S.N.A
...3	MASK	BN63-01151D	FELT-NON WOVEN;SP20UO,FELT,T0.5,10,90	2	S.N.A
...3	M0112	BN63-01609A	COVER-FRONT;SP20,ABS,V0,GR70,SV012P	1	S.N.A
...3	T0750	BN63-01741D	COVER-MASK;SP20CO,HIPS,V0,BK500,BKM1143	1	S.N.A
...3	T0057	BN64-00207A	BADGE-BRAND;POSEIDON,AL,T1.5,8.5,50,BLK,	1	S.N.A
...3	M0007	BN64-00330A	KNOB-FUNCTION;SPARTA,ABS,HB,BK07,HI-GLOS	1	S.N.A
...3	T0299	BN64-00370A	WINDOW-RMC LED;SP20UO,ACRYL,DIFFUSIVE	1	S.N.A
...3	T0175	BN96-01689A	ASSY SPEAKER P;16OHM,RIGHT,3W,650MM,SPAR	1	S.A
...3	T0175	BN96-01690A	ASSY SPEAKER P;16OHM,LEFT,3W,250MM,SPART	1	S.A
...3	M0145	BN96-01883A	ASSY BOARD P-FUNCTION;SPARTA,CT5000-3240	1	S.A
...3	T0714	BN96-01884A	ASSY BOARD P-IR;SPARTA,CT5000-3250,IR BO	1	S.A
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.28	S.N.A
0.1	M0002	BN90-00708E	ASSY COVER REAR;SP20CO	1	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	2	S.N.A
..2	M0013	BN96-01624E	ASSY COVER P-REAR;SP20CO,HIPS,V0,GR86	1	S.A
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	1	S.N.A
...3	T0069	AA63-60001Z	SPACER-FELT,-,FELT,-,-,BLK,T1.0,-,35X8	1	S.N.A
...3	T0069	AA63-60131A	SPACER-FELT;SVP403J,FELT,-,-,BLK,T0.5,	1	S.N.A
...3	M0114	BN61-01576A	HOLDER-WIRE;SP20,HIPS,V0,GR86	1	S.N.A
...3		BN63-01178M	COVER-INLAY;SPCO,PC SHEET,T0.5,SPARTA	1	S.N.A
...3	M0006	BN63-01610A	COVER-REAR;SP20UO,HIPS,V0,GR86	1	S.N.A
...3	T0067	BP60-00061Q	SPACER-SCREEN;SP20UO,SPONGE,35,T2.0,20,E	2	S.N.A
0.1	M0216	BN90-00709A	ASSY STAND;SP20	1	S.N.A
..2	M0081	6003-001324	SCREW-TAPTITE;BH,+B,M4,L16,NI PLT,SWRCH	4	S.N.A
..2	M0013	BN96-01626A	ASSY STAND P-BASE;SPARTA 20,HIPS,HB,GR86	1	S.A
...3	M0081	6003-001001	SCREW-TAPTITE;FH,+B,M3,L8,ZPC(BLK),SWRC	5	S.N.A
...3		BN61-01465A	BRACKET-STAND BOTTOM;SP20CO,SECC,T1.0	1	S.N.A
...3	M0111	BN63-01611A	COVER-STAND;SP20,HIPS,HB,GR86,SV012P	1	S.N.A
...3		BN63-01612A	COVER-STAND SUB;SP20,ABS,HB,GR86,SV012P	1	S.N.A
...3		BN64-00333A	KNOB-LOCKING;SPARTA,ABS,HB,GR86,SVM3012	1	S.N.A
...3	T0132	BN73-60002C	RUBBER FOOT;VENICE 15",RUBBER,DIA 14,1.0	4	S.N.A
...3	T0022	BN96-01627A	ASSY HINGE P-SIMPLE;SP20	1	S.N.A
...3	M0081	6003-001324	SCREW-TAPTITE;BH,+B,M4,L16,NI PLT,SWRCH	4	S.N.A
...3	T0069	AA63-60001U	SPACER-FELT,-,FELT,-,-,BLK,T0.5,-,150X	1	S.N.A
0.1		BN91-00407J	ASSY LCD-ATZ;VE20UO	1	S.N.A
..2	M0215	BN07-00177A	LCD-PANEL;A201SN01,GY,8bit,448*347*23,16	1	S.A
0.1	M0017	BN91-00843K	ASSY CHASSIS;LA20S51B1X/XTT,SP20CO	1	S.A
..2	M0014	BN94-00661K	ASSY PCB MAIN;LA20S51B1X/XTT,SP20CO	1	S.A
...3	X702	2801-003959	CRYSTAL-UNIT;0.032768MHz,20ppm,28-AA,12	1	S.A
...3	FT800	2904-001179	FILTER-SAW;36.125MHz,-,32.65-39.6MHz/0.5	1	S.A

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
...3	CN908	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	S.A
...3	CN100	3711-004712	HEADER-BOARD TO CABLE,BOX,9P,1R,2mm,STRA	1	S.A
...3	CN900	3722-000158	JACK-PIN;1P,SN,YEL,ANGLE	1	S.A
...3	CN909	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	S.A
...3	CN903	3722-001734	JACK-VHS;4P,SN,BLK,STRAIGHT	1	S.A
...3	U1913	3722-001846	JACK-PIN;2P,8.3MM,AU,WHT/RED,-	1	S.A
...3	CN901	3722-002143	JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI	1	S.A
...3	T0174	BN97-00511K	ASSY SMD;SP20KC	1	S.N.A
...4	D200	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D600	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D702	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D800	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D908	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D909	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D910	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D912	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D913	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D915	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D948	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D949	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D951	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D952	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D953	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D954	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D955	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D956	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D957	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D101	0402-000553	DIODE-RECTIFIER;SS24,40V,2A,DO-214AA,TP	1	S.A
...4	D102	0402-000553	DIODE-RECTIFIER;SS24,40V,2A,DO-214AA,TP	1	S.A
...4	D904	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D916	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D917	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D918	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D919	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D920	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D928	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D950	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D944	0403-001048	DIODE-ZENER;BZX84C16,15.3-17.1V,225mW,SO	1	S.A
...4	D603	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D604	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D900	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D901	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D902	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D903	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D905	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D906	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D911	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D914	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D921	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D922	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D923	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D924	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D925	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D926	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D927	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D930	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D932	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D934	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D936	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D940	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D941	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D942	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	D945	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA
....4	D946	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA
....4	D947	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA
....4	D201	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	SA
....4	D602	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW,	1	SA
....4	D601	0407-000123	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-	1	SA
....4	D907	0407-000123	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-	1	SA
....4	Q801	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q802	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q803	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q804	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q200	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q600	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q601	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q602	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q603	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q800	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q902	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q809	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	1	SA
....4	Q100	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q104	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q805	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q810	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q900	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q901	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	SA
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	SA
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	SA
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	SA
....4	IC104	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	1	SA
....4	IC104	0801-002716	IC-CMOS LOGIC;74LCX157,MULTIPLEXER,SOIC,	1	SA
....4	IC105	0909-001036	IC-REAL TIME CLOCK;DS1337S+T&R,-,SO,8P,1	1	SA
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	SA
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	SA
....4	IC109	1003-001713	IC-LCD CONTROLLER;GM2221,PQFP,208P,-,PLA	1	SA
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	SA
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	SA
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	SA
....4	T0085	1201-001495	IC-AUDIO AMP;7050,SOP,8P,150MIL,DUAL,26D	1	SA
....4	T0085	1201-001980	IC-AUDIO AMP;TDA7266D,SO,20P,16X11.1MM,-	1	SA
....4	T0087	1203-001816	IC-POSIFIXED REG.;78M08,TO-252,3P,-,PLA	1	SA
....4	IC300	1203-001824	IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI	1	SA
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33A,TO-252,3P	1	SA
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33A,TO-252,3P	1	SA
....4	T0087	1203-002844	IC-POSIFIXED REG.;AP1117D-18A,TO-252-3L	1	SA
....4	T0087	1203-002844	IC-POSIFIXED REG.;AP1117D-18A,TO-252-3L	1	SA
....4	IC108	1203-003015	IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x	1	SA
....4	IC110	1203-003015	IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x	1	SA
....4	R738	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R739	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R8126	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R915	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R916	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R205	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R207	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R208	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R209	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R311	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R312	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R734	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R781	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R803	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA

7-2 Others

7-4

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R8019	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R8108	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R871	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R880	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R881	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R900	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R901	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R905	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R907	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R910	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R911	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R912	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R920	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R921	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R923	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R950	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R951	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R952	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R954	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R955	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R956	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R957	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R958	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R959	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R960	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R961	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R962	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R963	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R964	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R940	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R942	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R200	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R520	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R521	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R522	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R526	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R527	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R528	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R750	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R751	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R802	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R604	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R611	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R619	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R623	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R725	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R839	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R864	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R927	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R928	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R931	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R932	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R511	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R512	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R624	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R625	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8145	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R858	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8017	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R8106	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R934	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R600	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R601	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R607	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R609	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R800	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R801	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8119	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8120	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R855	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R914	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	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	R173	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R852	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R853	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R114	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R128	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R165	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R174	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	R516	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R605	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R606	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R608	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	R614	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R615	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R704	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R706	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R713	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R742	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R745	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R746	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R747	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R748	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R749	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8121	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8143	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8144	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R821	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R879	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R933	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R944	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R965	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R966	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R167	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	SA
....4	R612	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R613	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R616	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R202	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA
....4	R513	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R514	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R116	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R120	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R121	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R127	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R201	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R211	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R617	2007-000103	R-CHIP;120Kohm,5%,1/10W,TP,1608	1	SA
....4	R509	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA
....4	R510	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA
....4	R838	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA
....4	R843	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA
....4	R854	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R8109	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608	1	SA
....4	R896	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R773	2007-000239	R-CHIP;1.5Kohm,1%,1/10W,TP,1608	1	SA
....4	R774	2007-000239	R-CHIP;1.5Kohm,1%,1/10W,TP,1608	1	SA
....4	790	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R620	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R621	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R788	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R789	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R827	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R830	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R833	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R732	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R733	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R740	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R817	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R818	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R819	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R836	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R840	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R849	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R897	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R925	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R808	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA
....4	R828	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R831	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R834	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R926	2007-000570	R-CHIP;220OHM,1%,1/10W,TP,1608	1	SA
....4	R737	2007-000608	R-CHIP;240ohm,5%,1/10W,TP,1608	1	SA
....4	R826	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R829	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R832	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R899	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	SA
....4	R169	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	SA
....4	R8102	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	SA
....4	R171	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	1	SA
....4	R115	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA
....4	R168	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA
....4	R172	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA
....4	R8101	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	SA
....4	R618	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA
....4	R622	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA
....4	R888	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	SA
....4	R8100	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	SA
....4	R735	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R736	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R741	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R902	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R903	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R904	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R917	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R918	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R919	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R946	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R906	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R908	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R909	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R945	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R210	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA
....4	RA701	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA702	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA703	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA704	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	RA705	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA706	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA800	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA808	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	C540	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA
....4	C541	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA
....4	C542	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA
....4	C119	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C120	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C132	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C286	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C314	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C316	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C318	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C334	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C107	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C117	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C118	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C143	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C163	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C175	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C179	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C183	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C190	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C203	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C217	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C607	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C609	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C615	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	C745	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C754	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C763	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C769	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C802	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C808	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C810	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	C818	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C822	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C823	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C824	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C825	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C827	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C828	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C829	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	C910	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C918	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C919	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C920	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C182	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C189	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C208	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C209	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C543	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C544	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C545	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C922	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C933	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C180	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C181	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C187	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C188	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C200	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C205	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C212	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C500	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C502	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C743	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C744	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C750	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C755	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C756	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C757	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C758	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C809	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C811	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C812	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C846	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C936	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C938	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C202	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C611	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C612	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C804	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	SA
....4	C805	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	SA
....4	C909	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C915	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C916	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C917	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C900	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C901	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C907	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C908	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C911	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C913	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C931	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C932	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C902	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C903	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C904	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C905	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C906	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C934	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C204	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA
....4	C207	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	SA
....4	C813	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C814	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C816	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C727	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	SA
....4	C728	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	SA
....4	C614	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C617	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C618	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C621	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C206	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA
....4	C616	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C619	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C121	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C131	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C287	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C315	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C317	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C319	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C335	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA

7 Electrical Parts List

[illegible]

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C602	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C306	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	SA
....4	C837	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	SA
....4	C605	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C610	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C835	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C836	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C935	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C937	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C834	2402-000144	C-AL,SMD;3.3uF,20%,50V,GP,TP,4.3X4.3X5.4	1	SA
....4	C101	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C102	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C115	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C213	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C305	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C847	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C921	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C116	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C122	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C123	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C124	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C125	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C126	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C127	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C128	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C129	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C130	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C508	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C509	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C510	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C511	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C512	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C513	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C514	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C515	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C516	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C517	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C518	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C519	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C838	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C833	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C840	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C841	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C842	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C843	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C844	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C845	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C109	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C111	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C112	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C113	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C178	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C201	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C210	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C604	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C606	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C608	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C613	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C622	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C712	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C767	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C800	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C184	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	SA

7 Electrical Parts List

[illegible]

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	T0568	3301-001145	BEAD-SMD;60ohm,4516,TP,70ohm/45MHz,82ohm	1	S.N.A
....4	CN702	3708-001763	CONNECTOR-FPC/FFC/PIC;50P,0.5MM,SMD-A,SN	1	S.A
....4	CN905	3711-002046	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A
....4	CN705	3711-004934	HEADER-BOARD TO CABLE;BOX,5P,1R,1.25MM,S	1	S.A
....4	CN601	3711-005291	HEADER-BOARD TO CABLE;BOX,2P,1R,2MM,SMD-	1	S.A
....4	CN600	3711-005292	HEADER-BOARD TO CABLE;BOX,3P,1R,2MM,SMD-	1	S.A
....4	CN907	3711-005471	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A
....4	T0077	BN41-00471B	PCB MAIN;VE20UO,VC17UO,4,1.6,160*160,VC1	1	S.N.A
....4	M0018	BN97-00360J	ASSY MICOM;P-VNCPEU,VE15EOVCT49XYF,2004-	1	S.A
....5	T0119	BN09-00006A	IC MICOM;VCT4973,VCT49XYF-XM,C7,144,3.3V	1	S.N.A
....4	M0018	BN97-00421N	ASSY MICOM;VC20CO,CHINA	1	S.A
....5	IC115	1107-001495	IC-FLASH MEMORY;AT49BV002AN-70JL,2Mbit,2	1	S.A
....4	CIS5	0202-001477	SOLDER-CREAM;LST309-M,-,D20-45##,96.5Sn/	0.99	S.N.A
...3	CIS3	BN40-00070A	TUNER;TECH0849PG31A(S),TECH0849PG31A(S),	1	S.A
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.03	S.N.A
...3	CN906	3705-001400	CONNECTOR-COAXIAL;PAL,ADAPTOR(J/J),-,75o	1	S.A
0.1	M0112	BN91-00844A	ASSY SHIELD;LNR2050X/XAA	1	S.N.A
..2	C0104	3809-001614	CABLE-FLAT;30V,80C,110mm,50P,0.5mm,UL289	1	S.A
..2	M0174	BN44-00115B	IP BOARD;IP-51135T(A),VENICE 20",4.0MA,6	1	S.A
..2		BN61-01323A	HOLDER-INVERTER WIRE;VE20,ABS V0,T2.0	2	S.N.A
..2		BN96-01874A	ASSY SHIELD P-PANEL;SP20UO,SECC,T1.0,AU	1	S.N.A
...3	T0514	BN61-01596A	BRACKET-SUPPORT;SP20UO,SECC,T1.0	1	S.N.A
...3	M0125	BN63-01613A	SHIELD-PANEL;SP20CO,SECC,T1.0,AU	1	S.N.A
...3	M0162	6502-001067	CABLE CLAMP;DAFC-1300,ID2.2,T5.2,NYLIN6/	1	S.N.A
...3	T0069	AA60-00073A	SPACER-FELT;54J8,FELT,-,-,-,T1.0,-,210	1	S.N.A
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,S,M4,L8,ZPC(YEL)	1	S.N.A
..2	T0069	BP60-00015E	SPACER-FELT;L6,FELT,400,BLK,T0.5,30	1	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(BLK),S	6	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(BLK),S	5	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,B,M3,L10,ZPC(BLK),S	6	S.N.A
0.1	M0019	BN92-00920B	ASSY LABEL;MU15EO	1	S.N.A
0.1	M0003	BN92-01317K	ASSY BOX;LA20S51BX/XTT,SP20CO	1	S.N.A
..2	T0130	BN69-00987D	BOX-00,SET;SP20CO,SW4,YEL,A1,CHINA	1.01	S.N.A
0.1	M0113	BN92-01318A	ASSY P/MATERIAL;SP20	1	S.N.A
..2	T0376	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	0.014	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.004	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	1.7	S.N.A
..2	T0524	6902-000358	BAG PE;HDPE/NITRON(DOUBLE),T0.02/T0.5,W9	1	S.N.A
0.1	M0045	BN92-01394G	ASSY ACCESSORY;LA20S51BX/XTT,SP20CO	1	S.N.A
..2	T0074	BN59-00429C	REMOCON;TM79,Single Micom,33,China,EX,VE	1	S.A
..2	M0596	BN68-00816P	MANUAL USERS-00;COMM,SAMSUNG,S_C,CHINA,A	1	S.A
..2	M0045	BN96-01488M	ASSY ACCESSORY;VC15/17/20CO*	1	S.A
...3	T0268	3903-000082	CBF-POWER CORD;DT,CN,IP3/YES(A),I(IEC C1	1	S.A
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	1	S.N.A
..2		BN96-02015A	ASSY BRACKET P-WALL;20S5	1	S.N.A
...3	CIS	6902-000128	BAG ZIPPER;LDPE,T0.05,W200,L150,TRP,8,2-	1	S.N.A
...3	T0101	BN61-01162A	BRACKET-WALL;VE15,SECC,2.0	1	S.A
...3	M0596	BN68-00850B	MANUAL USERS-00;COMM,SAMSUNG,E,ALL,ART P	1	S.N.A
...3	M0596	BN68-00850C	MANUAL USERS-00;COMM,SAMSUNG,E,ALL,ART P	1	S.N.A
...3	M0132	BN96-01272A	ASSY MISC P-SCREW;VE15UO	1	S.N.A

7 Electrical Parts List

7-2 LA20S51BX/NGC Parts list

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
0		LA20S51BX/NGC	LA20S51B,Q21E/20A82-GSP,20,LCD-TV,NIGERI		
0.1	M0001	BN90-00707D	ASSY COVER FRONT;SP20EO,SO(AUO)	1	S.NA
..2	T0003	BN96-01625D	ASSY COVER P-FRONT;SP20EO,SO(AUO),ABS,V0	1	SA
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	3	S.NA
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	1	S.NA
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	2	S.NA
...3	M0081	6003-001467	SCREW-TAPTITE;PWH,+B,M3,L10,ZPC(YEL)	4	S.NA
...3	M2893	BN39-00613A	LEAD CONNECTOR;SPARTA,UL1061#28,UL/CSA,1	1	SA
...3	MASK	BN63-01151A	FELT-NON WOVEN;MM17NS,T0.5,393,10,BLACK	2	S.NA
...3	M0112	BN63-01609A	COVER-FRONT;SP20,ABS,V0,GR70,SV012P	1	S.NA
...3	T0750	BN63-01741B	COVER-MASK;SP20EO,HIPS,V0,BK500,BKM1143	1	S.NA
...3	T0057	BN64-00207A	BADGE-BRAND;POSEIDON,AL,T1.5,8.5,50,BLK,	1	S.NA
...3	M0007	BN64-00330A	KNOB-FUNCTION;SPARTA,ABS,HB,BK07,HI-GLOS	1	S.NA
...3	T0299	BN64-00370A	WINDOW-RMC LED;SP20UO,ACRYL,DIFFUSIVE	1	S.NA
...3	T0175	BN96-01689A	ASSY SPEAKER P;16OHM,RIGHT,3W,650MM,SPAR	1	SA
...3	T0175	BN96-01690A	ASSY SPEAKER P;16OHM,LEFT,3W,250MM,SPART	1	SA
...3	M0145	BN96-01883A	ASSY BOARD P-FUNCTION;SPARTA,CT5000-3240	1	SA
...3	T0714	BN96-01884A	ASSY BOARD P-IR;SPARTA,CT5000-3250,IR BO	1	SA
...3	T0382	BP61-00509C	HOLDER-CARE;PJT,ACRYL-FOAM,T0.25,W20.0mm	0.28	S.NA
...3	T0069	AA60-00091J	SPACER-FELT;-FELT,330X10,-,-,BLK,T0.5,-	2	S.NA
...3	T0069	AA63-60001E	SPACER-FELT;-FELT,-,-,BLK,0.5,-,55X15	1	S.NA
...3	MASK	BN63-01151C	FELT-NON WOVEN;SP20UO,FELT,T0.5,5,450	2	S.NA
...3	KNOB	BN63-01151D	FELT-NON WOVEN;SP20UO,FELT,T0.5,10,90	2	S.NA
...3	MASK	BN63-01151D	FELT-NON WOVEN;SP20UO,FELT,T0.5,10,90	2	S.NA
0.1	M0002	BN90-00708D	ASSY COVER REAR;SP20SO	1	S.NA
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	2	S.NA
..2	M0013	BN96-01624D	ASSY COVER P-REAR;SP20SO,HIPS,V0,GR86	1	SA
...3	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	1	S.NA
...3	M0114	BN61-01576A	HOLDER-WIRE;SP20,HIPS,V0,GR86	1	S.NA
...3		BN63-01178L	COVER-INLAY;SPSO,PC SHEET,T0.5,SPARTA	1	S.NA
...3	M0006	BN63-01610A	COVER-REAR;SP20UO,HIPS,V0,GR86	1	S.NA
...3	T0069	AA63-60131A	SPACER-FELT;SVP403J,FELT,-,-,BLK,T0.5,	1	S.NA
...3	T0067	BP60-00061Q	SPACER-SCREEN;SP20UO,SPONGE,35,T2.0,20,E	2	S.NA
...3	T0069	AA63-60001Z	SPACER-FELT;-FELT,-,-,BLK,T1.0,-,35X8	1	S.NA
0.1	M0216	BN90-00709A	ASSY STAND;SP20	1	S.NA
..2	M0081	6003-001324	SCREW-TAPTITE;BH,+B,M4,L16,NI PLT,SWRCH	4	S.NA
..2	M0013	BN96-01626A	ASSY STAND P-BASE;SPARTA 20,HIPS,HB,GR86	1	SA
...3	M0081	6003-001001	SCREW-TAPTITE;FH,+B,M3,L8,ZPC(BLK),SWRC	5	S.NA
...3		BN61-01465A	BRACKET-STAND BOTTOM;SP20CO,SECC,T1.0	1	S.NA
...3	M0111	BN63-01611A	COVER-STAND;SP20,HIPS,HB,GR86,SV012P	1	S.NA
...3		BN63-01612A	COVER-STAND SUB;SP20,ABS,HB,GR86,SV012P	1	S.NA
...3		BN64-00333A	KNOB-LOCKING;SPARTA,ABS,HB,GR86,SVM3012	1	S.NA
...3	T0132	BN73-60002C	RUBBER FOOT;VENICE 15",RUBBER,DIA 14,1.0	4	S.NA
...3	T0022	BN96-01627A	ASSY HINGE P-SIMPLE;SP20	1	S.NA
...3	M0081	6003-001324	SCREW-TAPTITE;BH,+B,M4,L16,NI PLT,SWRCH	4	S.NA
...3	T0069	AA63-60001U	SPACER-FELT;-FELT,-,-,BLK,T0.5,-,150X	1	S.NA
0.1		BN91-00407J	ASSY LCD-ATZ;VE20UO	1	S.NA
..2	M0215	BN07-00177A	LCD-PANEL;A201SN01,GY,8bit,448*347*23,16	1	SA
0.1	M0017	BN91-00843H	ASSY CHASSIS;SP20SO	1	SA
..2	M0014	BN94-00661H	ASSY PCB MAIN;SP20SO	1	SA
...3	X702	2801-003959	CRYSTAL-UNIT;0.032768MHz,20ppm,28-AA,Y,12	1	SA
...3	FT800	2904-001179	FILTER-SAW;36.125MHz,-,32.65-39.6MHz/0.5	1	SA
...3	CN908	3701-001294	CONNECTOR-DSUB;15P,3R,FEMALE,STRAIGHT,AU	1	SA
...3	CN100	3711-004712	HEADER-BOARD TO CABLE;BOX,9P,1R,2mm,STRA	1	SA
...3	CN900	3722-000158	JACK-PIN;1P,SN,YEL,ANGLE	1	SA
...3	CN909	3722-001061	JACK-PHONE;1P,3.6PI,AG,BLK,N	1	SA
...3	CN903	3722-001734	JACK-VHS;4P,SN,BLK,STRAIGHT	1	SA
...3	U1913	3722-001846	JACK-PIN;2P,8.3MM,AU,WHT/RED,-	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
...3	CN901	3722-002143	JACK-PIN;5P,NI,GRN/BLU/RED/WHT/RED,STRAI	1	S.A
...3	T0174	BN97-00511F	ASSY SMD;SP20SO	1	S.N.A
...4	D200	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D600	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D701	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D702	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D800	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D908	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D909	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D910	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D912	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D913	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D915	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D948	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D949	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D951	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D952	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D953	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D954	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D955	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D956	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D957	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A
...4	D101	0402-000553	DIODE-RECTIFIER;SS24,40V,2A,DO-214AA,TP	1	S.A
...4	D102	0402-000553	DIODE-RECTIFIER;SS24,40V,2A,DO-214AA,TP	1	S.A
...4	D904	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D916	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D917	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D918	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D919	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D920	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D928	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D950	0403-000579	DIODE-ZENER;BZX84C5V1,4.8-5.4V,200mW,SOT	1	S.A
...4	D944	0403-001048	DIODE-ZENER;BZX84C16,15.3-17.1V,225mW,SO	1	S.A
...4	D603	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D604	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D900	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D901	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D902	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D903	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D905	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D906	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D911	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D914	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D921	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D922	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D923	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D924	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D925	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D926	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D927	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D930	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D932	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D934	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D936	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D940	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D941	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D942	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D945	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D946	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D947	0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	S.A
...4	D201	0403-001425	DIODE-ZENER;BZX84C33,31-35V,350mW,SOT-23	1	S.A
...4	D602	0403-001435	DIODE-ZENER;QZX363C5V6,5.32-5.88V,200MW	1	S.A
...4	D601	0407-000123	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-	1	S.A

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	D907	0407-000123	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-	1	SA
....4	Q801	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q802	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q803	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q804	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150MW,SOT-23	1	SA
....4	Q200	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q600	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q601	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q602	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q603	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q800	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q902	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	SA
....4	Q809	0501-000344	TR-SMALL SIGNAL;KSC1623-G,NPN,200mW,SOT-	1	SA
....4	Q100	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q101	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q104	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q805	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q810	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q900	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q901	0501-002080	TR-SMALL SIGNAL;2SC2412K,NPN,200mW,SC-59	1	SA
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	SA
....4	Q409	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	1	SA
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	SA
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	SA
....4	IC104	0801-002267	IC-CMOS LOGIC;74LCX14,-,SOIC,14P,150MIL,	1	SA
....4	IC104	0801-002716	IC-CMOS LOGIC;74LCX157,MULTIPLEXER,SOIC,	1	SA
....4	IC105	0909-001036	IC-REAL TIME CLOCK;DS1337S+T&R,-,SO,8P,1	1	SA
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	SA
....4	IC106	1001-001082	IC-VIDEO SWITCH;BA7657F,-,SOP,24P,300MIL	1	SA
....4	IC109	1003-001713	IC-LCD CONTROLLER;GM2221,PQFP,208P,-,PLA	1	SA
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	SA
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	SA
....4	IC112	1103-001314	IC-EEPROM;24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	SA
....4	T0085	1201-001495	IC-AUDIO AMP;7050,SOP,8P,150MIL,DUAL,26D	1	SA
....4	T0085	1201-001980	IC-AUDIO AMP;TDA7266D,SO,20P,16X11.1MM,-	1	SA
....4	T0087	1203-001816	IC-POSIFIXED REG.;78M08,TO-252,3P,-,PLA	1	SA
....4	IC300	1203-001824	IC-VOL. DETECTOR;7042,SOT-89,3P,-,PLASTI	1	SA
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33A,TO-252,3P	1	SA
....4	T0087	1203-002842	IC-POSIFIXED REG.;AP1117D-33A,TO-252,3P	1	SA
....4	T0087	1203-002844	IC-POSIFIXED REG.;AP1117D-18A,TO-252-3L	1	SA
....4	T0087	1203-002844	IC-POSIFIXED REG.;AP1117D-18A,TO-252-3L	1	SA
....4	IC108	1203-003015	IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x	1	SA
....4	IC110	1203-003015	IC-DC/DC CONVERTER;MP1410ES,SOIC,8P,4.9x	1	SA
....4	R738	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R739	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R8126	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R915	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R916	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	SA
....4	R205	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R207	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R208	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R209	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R311	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R312	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R734	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R781	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R803	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R8104	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R8105	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R837	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R841	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R842	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA
....4	R845	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA

[illegible]

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R901	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R905	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R907	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R910	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R911	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R912	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R920	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R921	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R923	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R950	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R951	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R952	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R954	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R955	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R956	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R957	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R958	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R959	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R960	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R961	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R962	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R963	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R964	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	SA
....4	R940	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R942	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA
....4	R200	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	1	SA
....4	R520	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R521	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R522	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R526	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R527	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R528	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R750	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R751	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R802	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	SA
....4	R604	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R611	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R619	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R623	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R725	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R839	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R864	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R927	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R928	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R931	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R932	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA
....4	R511	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R512	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	SA
....4	R624	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R625	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8145	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R858	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8017	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R8106	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R934	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R600	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R601	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R607	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R609	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R800	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R801	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8119	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R8120	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R855	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	SA
....4	R914	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	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	R173	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R852	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R853	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	1	SA
....4	R114	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R128	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R165	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R174	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	R516	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R605	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R606	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R608	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	R614	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R615	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R704	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R706	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R713	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R742	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R745	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R746	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R747	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R748	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R749	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8121	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8143	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R8144	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R821	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R879	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R933	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R944	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R965	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R966	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA
....4	R167	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	1	SA
....4	R612	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R613	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R616	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	1	SA
....4	R202	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	1	SA
....4	R513	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R514	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA
....4	R116	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R120	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R121	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R127	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R201	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R211	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA
....4	R617	2007-000103	R-CHIP;120Kohm,5%,1/10W,TP,1608	1	SA
....4	R509	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA
....4	R510	2007-000107	R-CHIP;470Kohm,5%,1/10W,TP,1608	1	SA
....4	R838	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA
....4	R843	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA
....4	R854	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	1	SA
....4	R8109	2007-000121	R-CHIP;820ohm,5%,1/10W,TP,1608	1	SA
....4	R896	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	1	SA
....4	R773	2007-000239	R-CHIP;1.5Kohm,1%,1/10W,TP,1608	1	SA
....4	R774	2007-000239	R-CHIP;1.5Kohm,1%,1/10W,TP,1608	1	SA
....4	790	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R620	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	R621	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R788	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R789	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R827	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R830	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R833	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	1	SA
....4	R732	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R733	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R740	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R817	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R818	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R819	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R836	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R840	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R849	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R897	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R925	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA
....4	R808	2007-000458	R-CHIP;18Kohm,5%,1/10W,TP,1608	1	SA
....4	R828	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R831	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R834	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	1	SA
....4	R926	2007-000570	R-CHIP;220OHM,1%,1/10W,TP,1608	1	SA
....4	R737	2007-000608	R-CHIP;240ohm,5%,1/10W,TP,1608	1	SA
....4	R826	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R829	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R832	2007-000643	R-CHIP;270ohm,5%,1/10W,TP,1608	1	SA
....4	R899	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	SA
....4	R169	2007-000708	R-CHIP;3.9Kohm,1%,1/10W,TP,1608	1	SA
....4	R8102	2007-000882	R-CHIP;4.7ohm,5%,1/10W,TP,1608	1	SA
....4	R171	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	1	SA
....4	R115	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA
....4	R168	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA
....4	R172	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	SA
....4	R8101	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	SA
....4	R618	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA
....4	R622	2007-001044	R-CHIP;56ohm,5%,1/10W,TP,1608	1	SA
....4	R888	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	SA
....4	R8100	2007-001134	R-CHIP;68ohm,5%,1/10W,TP,1608	1	SA
....4	R735	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R736	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R741	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R902	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R903	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R904	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R917	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R918	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R919	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R946	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	SA
....4	R906	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R908	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R909	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R945	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	1	SA
....4	R210	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	1	SA
....4	RA701	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA702	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA703	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA704	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA705	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA706	2011-000002	R-NET;22ohm,5%,1/16W,L,CHIP,8P,TP,3216	1	SA
....4	RA800	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	RA808	2011-000881	R-NET;33ohm,5%,1/16W,L,CHIP,8P,TP,3.2x1.	1	SA
....4	C540	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA
....4	C541	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C542	2203-000041	C-CER,CHIP;0.01nF,0.25pF,50V,C0G,1608	1	SA
....4	C119	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C120	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C132	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C286	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C314	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C316	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C318	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C334	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,1608	1	SA
....4	C107	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C117	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C118	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C143	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C163	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C175	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C179	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C183	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C190	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C203	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C217	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C607	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C609	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C615	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	C745	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C754	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C763	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C769	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C802	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C808	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C810	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	C818	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C822	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C823	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C824	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C825	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C827	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C828	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C829	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	C910	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C918	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C919	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C920	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	SA
....4	C182	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C189	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C208	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C209	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C543	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C544	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C545	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C922	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C933	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	SA
....4	C180	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C181	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C187	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C188	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C200	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C205	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C212	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C500	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C502	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C743	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C744	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C750	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C755	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C756	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C757	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C758	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C809	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C811	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C812	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C846	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C936	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C938	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA
....4	C202	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C611	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C612	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA
....4	C804	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	SA
....4	C805	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	SA
....4	C909	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C915	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C916	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C917	2203-000697	C-CER,CHIP;0.002nF,0.25PF,50V,C0G,TP,160	1	SA
....4	C900	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C901	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C907	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C908	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C911	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C913	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C931	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C932	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	SA
....4	C902	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C903	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C904	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C905	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C906	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C934	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA
....4	C204	2203-000888	C-CER,CHIP;4.7nF,10%,50V,X7R,1608	1	SA
....4	C207	2203-000972	C-CER,CHIP;47nF,10%,16V,X7R,1608	1	SA
....4	C813	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C814	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C816	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	1	SA
....4	C727	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	SA
....4	C728	2203-001086	C-CER,CHIP;0.0050nF,0.25pF,50V,NP0,1608	1	SA
....4	C614	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C617	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C618	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C621	2203-001402	C-CER,CHIP;220nF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C206	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,1608	1	SA
....4	C616	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C619	2203-001652	C-CER,CHIP;470nF,+80-20%,16V,Y5V,1608	1	SA
....4	C121	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C131	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C287	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C315	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C317	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C319	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C335	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C337	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C520	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C521	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,1608	1	SA
....4	C228	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	C524	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C525	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C526	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C527	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	C529	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C530	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C531	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C532	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C533	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C534	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C535	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C704	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C705	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C706	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C707	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C709	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C710	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C711	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C713	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C716	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C718	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C719	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C720	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C721	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C722	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C724	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C725	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C726	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C729	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C730	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C731	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C732	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C733	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C734	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C735	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C736	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C737	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C738	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C739	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C740	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C741	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C742	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C747	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C749	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C759	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C760	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C764	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C768	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA
....4	C600	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C603	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	SA
....4	C714	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C715	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C748	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C751	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C752	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C753	2203-005194	C-CER,CHIP;0.22nF,10%,50V,X7R,1608	1	SA
....4	C601	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C602	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	SA
....4	C306	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	SA
....4	C837	2402-000108	C-AL,SMD;10uF,20%,16V,WT,TP,4.3x4.3x5.2m	1	SA
....4	C605	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C610	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C835	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA

7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	C836	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C935	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C937	2402-000135	C-AL,SMD;22uF,20%,16V,GP,TP,5.3x5.3x5.4	1	SA
....4	C834	2402-000144	C-AL,SMD;3.3UF,20%,50V,GP,TP,4.3x4.3x5.4	1	SA
....4	C101	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C102	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C115	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C213	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C305	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C847	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C921	2402-000170	C-AL,SMD;1uF,20%,50V,GP,TP,4.3x4.3x5.4,	1	SA
....4	C116	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C122	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C123	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C124	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C125	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C126	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C127	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C128	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C129	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C130	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C508	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C509	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C510	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C511	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C512	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C513	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C514	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C515	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C516	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C517	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C518	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C519	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C838	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	1	SA
....4	C833	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C840	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C841	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C842	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C843	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C844	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C845	2402-001006	C-AL,SMD;4.7uF,20%,25V,GP,TP,3.6x6.3x3.	1	SA
....4	C109	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C111	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C112	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C113	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C178	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C201	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C210	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C604	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C606	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C608	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C613	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C622	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C712	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C767	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C800	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	SA
....4	C184	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	SA
....4	C191	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	SA
....4	C193	2402-001070	C-AL,SMD;470uF,20%,16V,GP,TP,10x10.2,-	1	SA
....4	C110	2402-001081	C-AL,SMD;100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA
....4	C114	2402-001086	C-AL,SMD;100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA
....4	C723	2402-001153	C-AL,SMD;100UF,20%,6.3V,WI,TP,6.3X5.8MM	1	SA
....4	C623	2402-001155	C-AL,SMD;47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA

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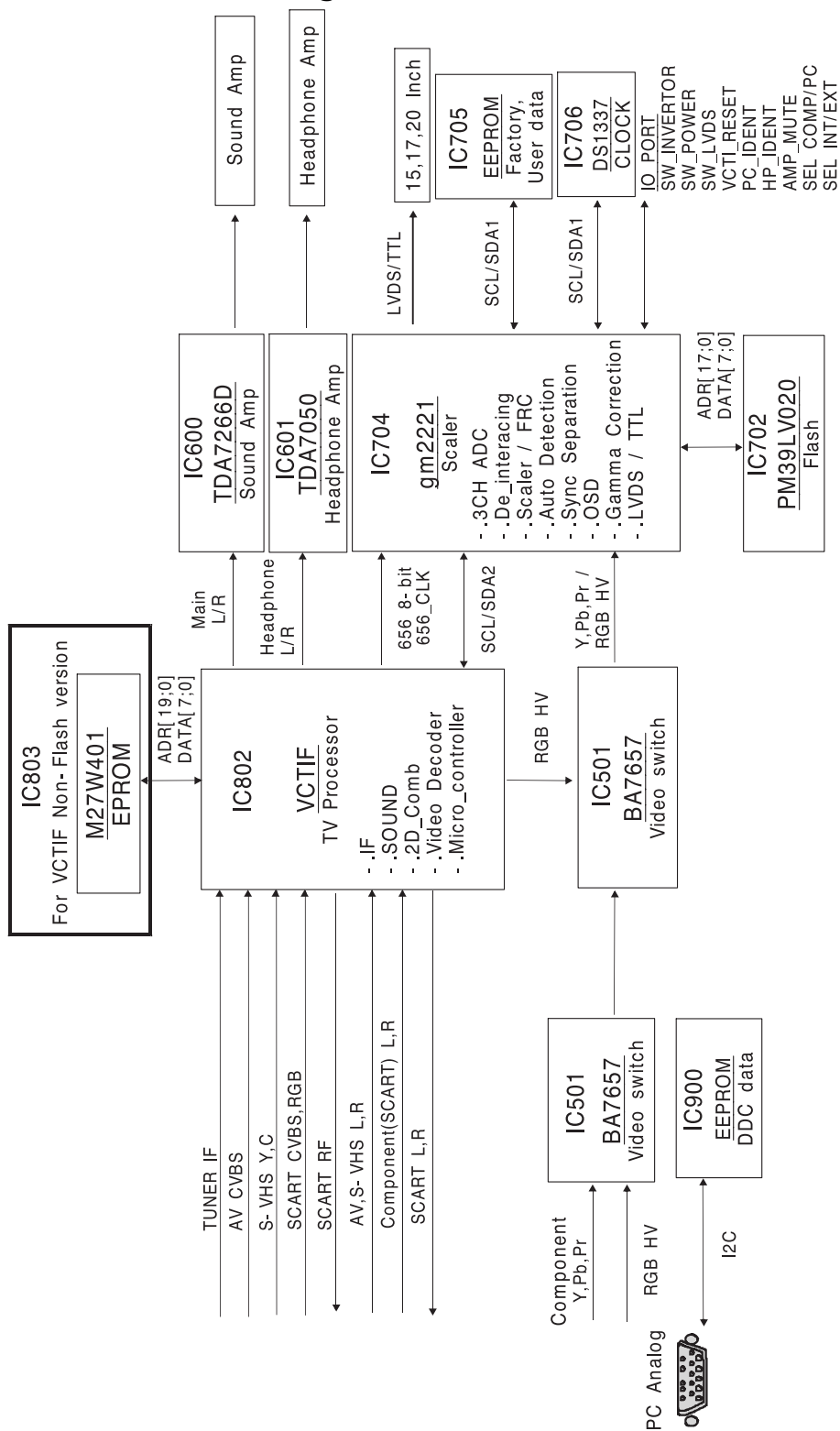
7 Electrical Parts List

Level	Loc. No.	Code No.	Description & Specification	EA	SA/SNA
....4	CN907	3711-005471	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A
....4	T0077	BN41-00471B	PCB MAIN;VE20UO,VC17UO,4,1.6,160*160,VC1	1	S.N.A
....4	M0018	BN97-00360J	ASSY MICOM;P-VNCPEU,VE15EOVCT49XYF,2004-	1	S.A
.....5	T0119	BN09-00006A	IC MICOM;VCT4973,VCT49XYF-XM,C7,144,3.3V	1	S.N.A
....4	M0018	BN97-00400Y	ASSY MICOM;VC20SO	1	S.A
.....5	IC115	1107-001495	IC-FLASH MEMORY;AT49BV002AN-70J,2Mbit,2	1	S.A
....4	CIS5	0202-001477	SOLDER-CREAM;LST309-M,-,D20-45##,96.5Sn/	0.99	S.N.A
...3	CIS3	BN40-00070A	TUNER;TECH0849PG31A(S),TECH0849PG31A(S),	1	S.A
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.03	S.N.A
...3	CN906	3705-001400	CONNECTOR-COAXIAL;PAL,ADAPTOR(J/J),-,75o	1	S.A
0.1	M0112	BN91-00844A	ASSY SHIELD;LNR2050X/XAA	1	S.N.A
..2	C0104	3809-001614	CABLE-FLAT;30V,80C,110mm,50P,0.5mm,UL289	1	S.A
..2	M0174	BN44-00115B	IP BOARD;IP-51135T(A),VENICE 20",4.0MA,6	1	S.A
..2		BN61-01323A	HOLDER-INVERTER WIRE;VE20,ABS V0,T2.0	2	S.N.A
..2		BN96-01874A	ASSY SHIELD P-PANEL;SP20UO,SECC,T1.0,AU	1	S.N.A
...3	T0514	BN61-01596A	BRACKET-SUPPORT;SP20UO,SECC,T1.0	1	S.N.A
...3	M0125	BN63-01613A	SHIELD-PANEL;SP20CO,SECC,T1.0,AU	1	S.N.A
...3	M0162	6502-001067	CABLE CLAMP;DAFC-1300,ID2.2,T5.2,NYLIN6/	1	S.N.A
...3	T0069	AA60-00073A	SPACER-FELT;54J8,FELT,-,-,-,T1.0,-,210	1	S.N.A
..2	M0081	6003-001439	SCREW-TAPTITE;BH,+,-,S,M4,L8,ZPC(YEL)	1	S.N.A
..2	T0069	BP60-00015E	SPACER-FELT;L6,FELT,400,BLK,T0.5,30	1	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	6	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	5	S.N.A
..2	M0081	6003-000275	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(BLK),S	6	S.N.A
0.1	M0019	BN92-00920B	ASSY LABEL;MU15EO	1	S.N.A
0.1	M0003	BN92-01317G	ASSY BOX;LA20S51BX/SMA,SP20SO	1	S.N.A
..2	T0130	BN69-00987A	BOX-00,SET;SP20UO,SW4,YEL,A1,W668*D565*H	1.01	S.N.A
0.1	M0113	BN92-01318A	ASSY P/MATERIAL;SP20	1	S.N.A
..2	T0376	6902-000061	BAG AIR;LDPE,T0.2,L1000,W500,TRP,,,	0.014	S.N.A
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,-	0.004	S.N.A
..2	P/M	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	1.7	S.N.A
..2	T0524	6902-000358	BAG PE;HDPE/NITRON(DOUBLE),T0.02/T0.5,W9	1	S.N.A
0.1	M0045	BN92-01393S	ASSY ACCESSORY;LA20S51BX/NGC,SP20KS	1	S.N.A
..2	T0074	BN59-00437A	REMOCON;TM79,Single Micom,36,EX,NT,EX,VE	1	S.A
..2	M0045	BN96-00467G	ASSY ACCESSORY;LW15M13CX/XEU	1	S.A
...3	T0268	3903-000067	CBF-POWER CORD;DT,GB,GP3/YES(A),I(IEC C1	1	S.A
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	1	S.N.A
..2	ACCESSORY	BN96-02015A	ASSY BRACKET P-WALL;20S5	1	S.N.A
...3	CIS	6902-000128	BAG ZIPPER;LDPE,T0.05,W200,L150,TRP,8,2-	1	S.N.A
...3	T0101	BN61-01162A	BRACKET-WALL;VE15,SECC,2.0	1	S.A
...3	M0596	BN68-00850B	MANUAL USERS-00;COMM,SAMSUNG,E,ALL,ART P	1	S.N.A
...3	M0596	BN68-00850C	MANUAL USERS-00;COMM,SAMSUNG,E,ALL,ART P	1	S.N.A
...3	M0132	BN96-01272A	ASSY MISC P-SCREW;VE15UO	1	S.N.A
..2	M0045	BN96-02098E	ASSY ACCESSORY;LA15S51BX/SHI,SP15KS,20	1	S.A
...3	CCM1	6801-001063	CARD-REGISTRATION;MIDDLE EAST,SAMSUNG,EN	1	S.N.A
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	1	S.N.A
...3	M0596	BN68-00816H	MANUAL USERS-00;COMM,SAMSUNG,E,ASIA ALL,	1	S.N.A
...3	M0596	BN68-00816K	MANUAL USERS-00;COMM,SAMSUNG,ARABIC,M.AS	1	S.N.A
...3	M0596	BN68-00816L	MANUAL USERS-00;COMM,SAMSUNG,PERSIAN,M.A	1	S.N.A
...3	T0511	AA68-03242G	MANUAL FLYER-SAFETY GUIDE;All Model,SAMS	1	S.N.A

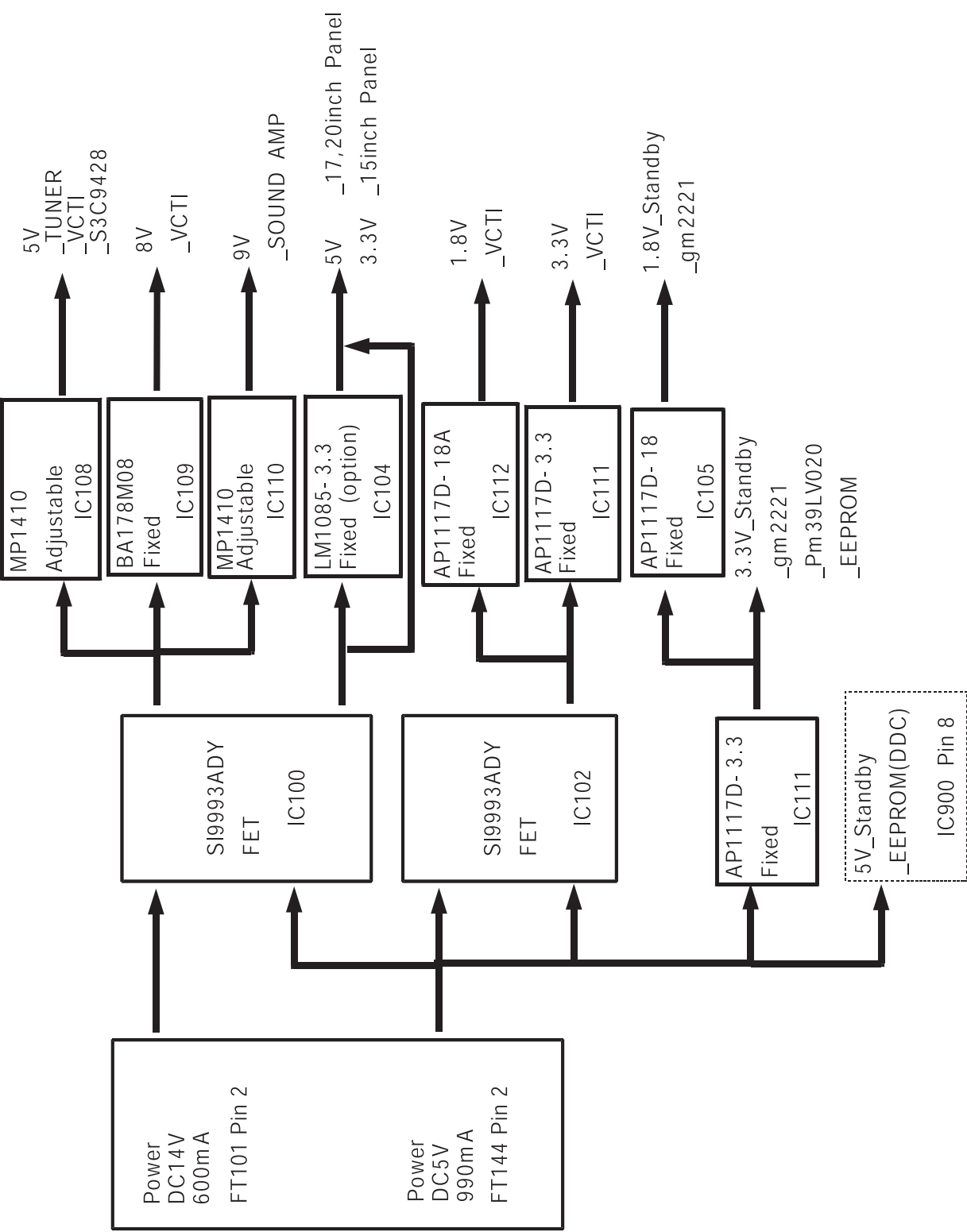
8 Block Diagram

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8-1 Signal Path Block Diagram

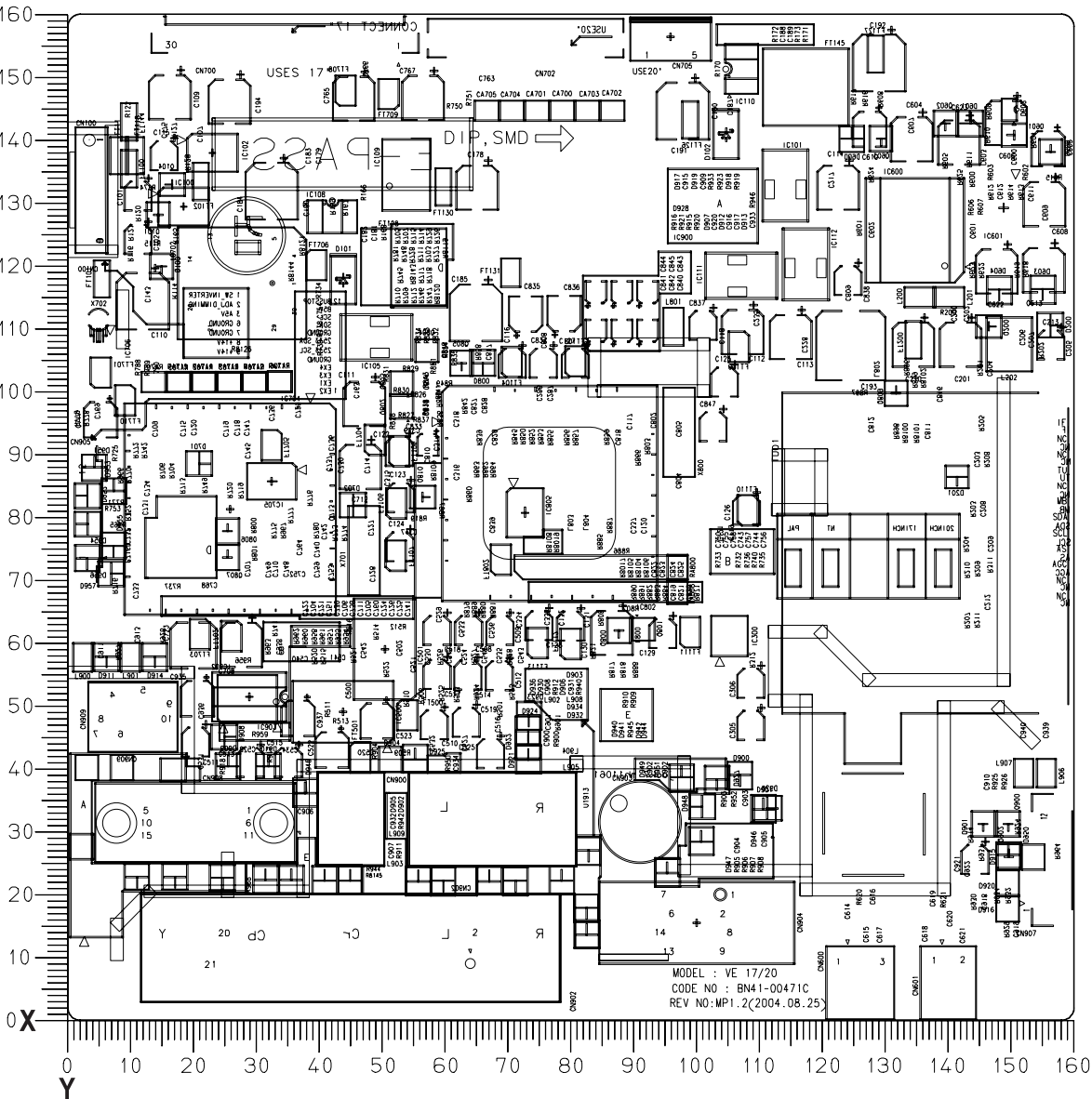


8-2 Input Power Block Diagram



10 PCB Layout

10-1 Main PCB Layout

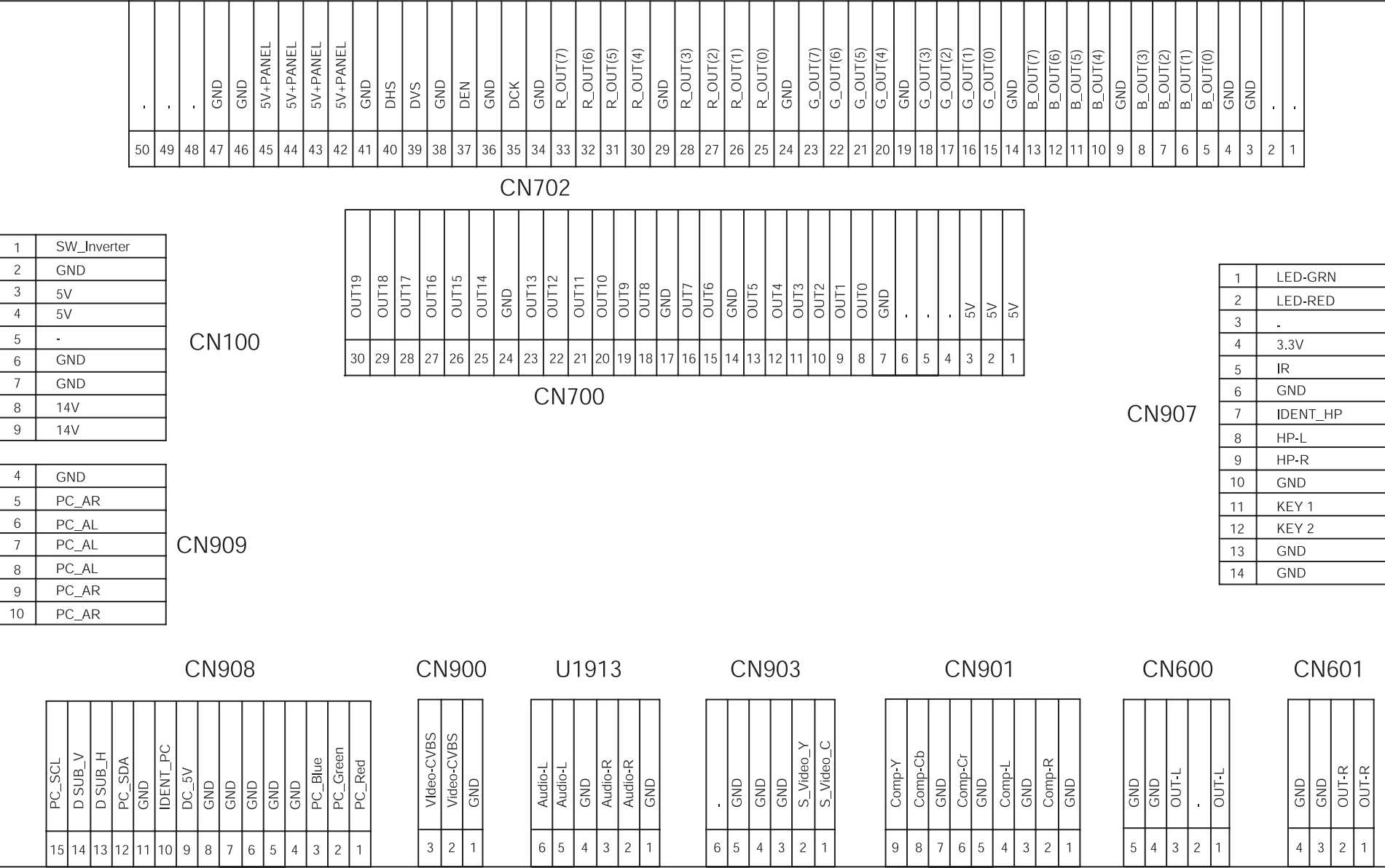


Loc. No. Description		X	
DIODE			
D601	DIODE-ARRAY	143.6	142.7
D907	DIODE-ARRAY	11.0	22.8
D101	DIODE-RECTIFIER	43.8	117.7
D102	DIODE-RECTIFIER	104.7	140.8
D200	DIODE-SWITCHING	156.3	110.5
D600	DIODE-SWITCHING	124.7	140.2
D701	DIODE-SWITCHING	20.9	88.5
D702	DIODE-SWITCHING	45.4	81.9
D800	DIODE-SWITCHING	66.0	104.5
D908	DIODE-SWITCHING	24.9	45.1
D909	DIODE-SWITCHING	25.5	40.4
D910	DIODE-SWITCHING	31.9	40.4
D912	DIODE-SWITCHING	17.1	22.8
D913	DIODE-SWITCHING	24.6	22.7
D915	DIODE-SWITCHING	149.6	26.3
D948	DIODE-SWITCHING	100.8	33.9
D949	DIODE-SWITCHING	97.6	38.7
D951	DIODE-SWITCHING	4.2	87.9
D952	DIODE-SWITCHING	3.1	83.4
D953	DIODE-SWITCHING	7.3	84.2
D954	DIODE-SWITCHING	3.1	79.0
D955	DIODE-SWITCHING	7.3	75.4
D956	DIODE-SWITCHING	3.1	73.5
D957	DIODE-SWITCHING	6.9	71.1
D602	DIODE-ZENER	149.8	144.8
D904	DIODE-ZENER	51.3	41.5
D916	DIODE-ZENER	149.5	17.7
D917	DIODE-ZENER	3.0	40.2
D918	DIODE-ZENER	16.8	39.9
D919	DIODE-ZENER	8.6	40.2
D920	DIODE-ZENER	149.5	21.9
D928	DIODE-ZENER	2.2	27.6
D950	DIODE-ZENER	153.5	26.0
D201	DIODE-ZENER	141.4	86.4
D603	DIODE-ZENER	155.0	116.3
D604	DIODE-ZENER	148.1	116.2
D900	DIODE-ZENER	106.9	39.0
D901	DIODE-ZENER	110.6	33.5
D902	DIODE-ZENER	59.7	22.2
D903	DIODE-ZENER	82.8	27.0
D905	DIODE-ZENER	55.7	22.1
D906	DIODE-ZENER	78.5	22.2
D911	DIODE-ZENER	6.2	57.9
D914	DIODE-ZENER	13.9	57.9
D921	DIODE-ZENER	73.2	41.4
D922	DIODE-ZENER	73.2	43.7
D923	DIODE-ZENER	73.3	48.5
D924	DIODE-ZENER	73.2	46.2
D925	DIODE-ZENER	55.2	41.5
D926	DIODE-ZENER	111.2	33.7
D927	DIODE-ZENER	103.2	38.3
D930	DIODE-ZENER	71.2	22.2
D932	DIODE-ZENER	82.5	13.6
D934	DIODE-ZENER	82.5	17.9
D936	DIODE-ZENER	67.0	22.1
D940	DIODE-ZENER	31.4	22.3

Loc. No. Description		X	
D941	DIODE-ZENER	35.5	22.3
D942	DIODE-ZENER	40.8	22.2
D945	DIODE-ZENER	37.7	36.1
D946	DIODE-ZENER	100.7	28.4
D947	DIODE-ZENER	95.3	23.4
D944	DIODE-ZENER	44.9	22.2
IC			
IC600	IC-AUDIO AMP	134.7	125.6
IC601	IC-AUDIO AMP	148.8	129.2
IC902	IC-CMOS LOGIC	28.8	51.4
IC903	IC-CMOS LOGIC	28.6	51.2
IC108	IC-DC/DC CONVERTER	42.1	127.8
IC110	IC-DC/DC CONVERTER	107.2	151.3
IC900	IC-EEPROM	4.5	18.0
IC705	IC-EEPROM	32.4	85.7
IC805	IC-EEPROM	72.7	80.7
IC703	IC-FLASH MEMORY	0.0	0.0
IC704	IC-LCD CONTROLLER	25.8	81.3
IC109	IC-POSIXED REG.	53.8	134.9
IC706	IC-REAL TIME CLOCK	4.8	104.4
IC500	IC-VIDEO SWITCH	43.8	49.1
IC501	IC-VIDEO SWITCH	50.4	59.0
IC300	IC-VOL. DETECTOR	105.2	60.6
IC105	IC-VOLTAGE REGULATOR	49.1	108.6
IC112	IC-VOLTAGE REGULATOR	117.4	120.2
IC101	IC-VOLTAGE REGULATOR	114.1	132.7
IC111	IC-VOLTAGE REGULATOR	107.0	118.4
TRANSISTOR			
Q200	TR-SMALL SIGNAL	146.5	110.4
Q600	TR-SMALL SIGNAL	156.3	138.1
Q601	TR-SMALL SIGNAL	150.5	140.8
Q602	TR-SMALL SIGNAL	139.5	142.7
Q603	TR-SMALL SIGNAL	129.3	140.2
Q800	TR-SMALL SIGNAL	87.6	62.0
Q902	TR-SMALL SIGNAL	149.7	26.0
Q100	TR-SMALL SIGNAL	14.9	119.9
Q101	TR-SMALL SIGNAL	14.4	128.1
Q104	TR-SMALL SIGNAL	16.6	132.9
Q805	TR-SMALL SIGNAL	62.6	104.5
Q810	TR-SMALL SIGNAL	56.4	83.2
Q900	TR-SMALL SIGNAL	149.6	31.2
Q901	TR-SMALL SIGNAL	145.6	31.2
Q801	TR-SMALL SIGNAL	91.5	62.2
Q802	TR-SMALL SIGNAL	53.1	97.5
Q803	TR-SMALL SIGNAL	53.1	101.4
Q804	TR-SMALL SIGNAL	57.1	106.5
Q809	TR-SMALL SIGNAL	131.7	99.7

Memo

9 Wiring Diagram

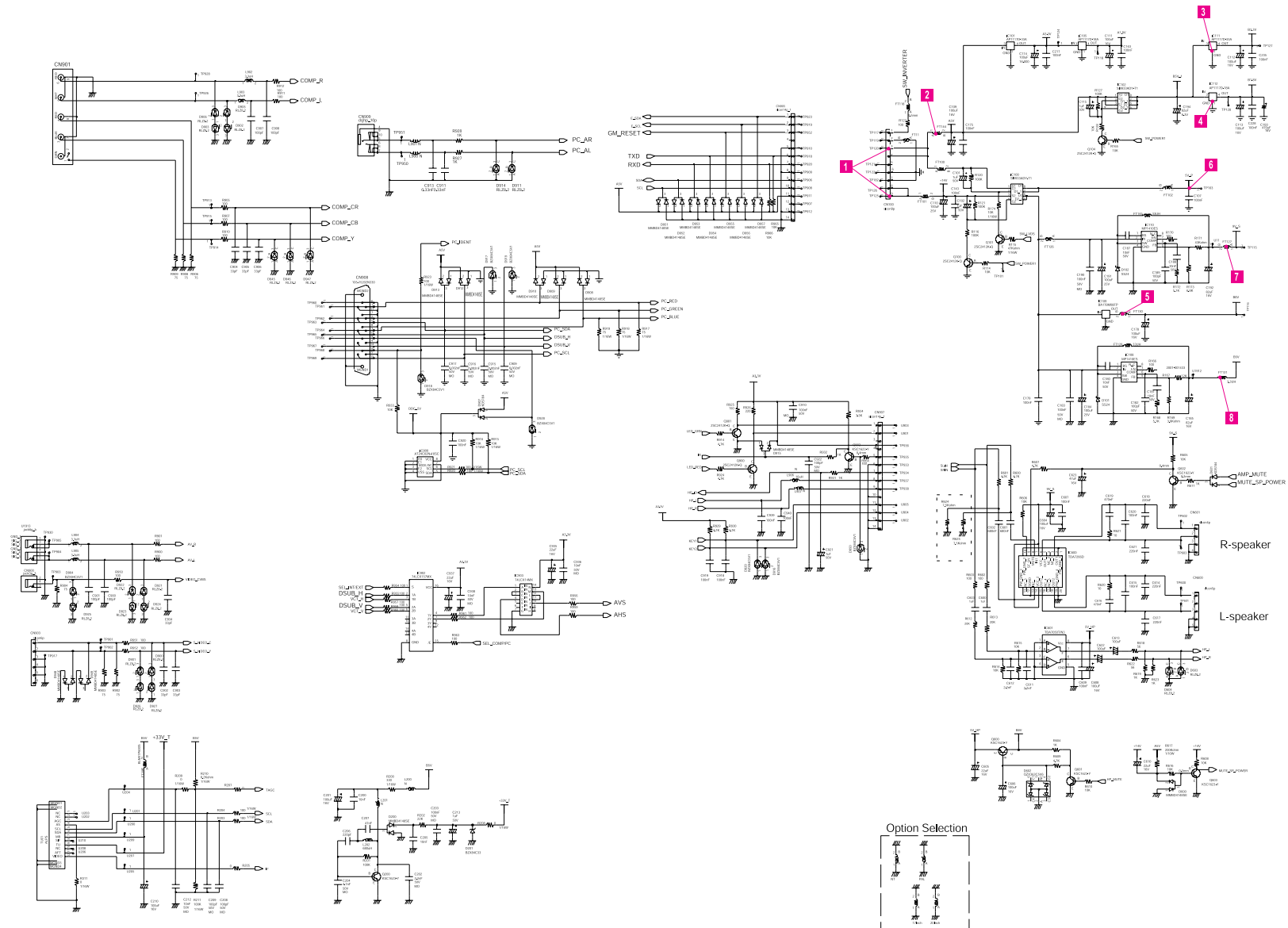


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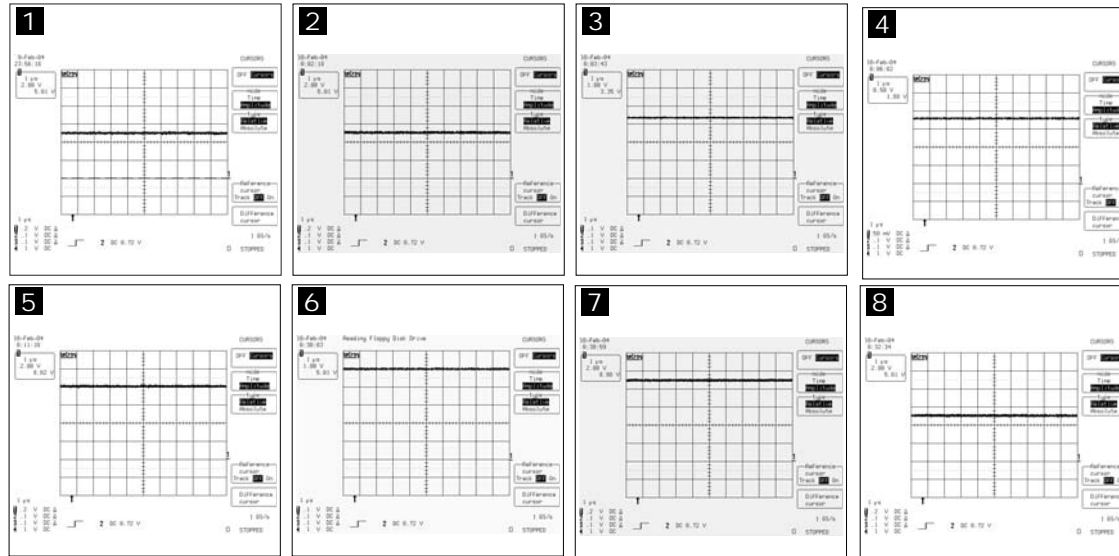
11 Schematic Diagrams

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11-1 Input Power Sound Schematic Diagram

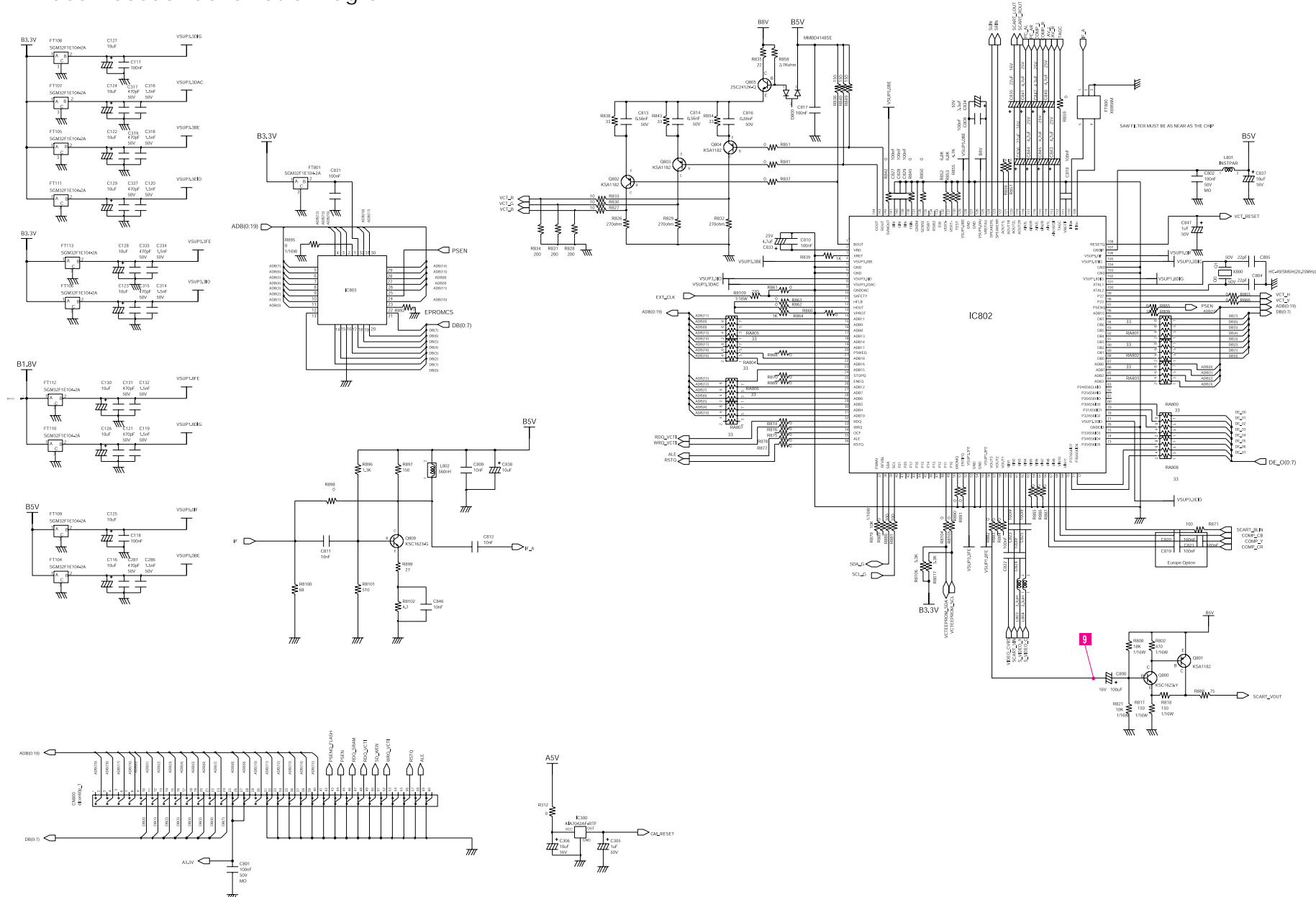


11 Schematic Diagrams



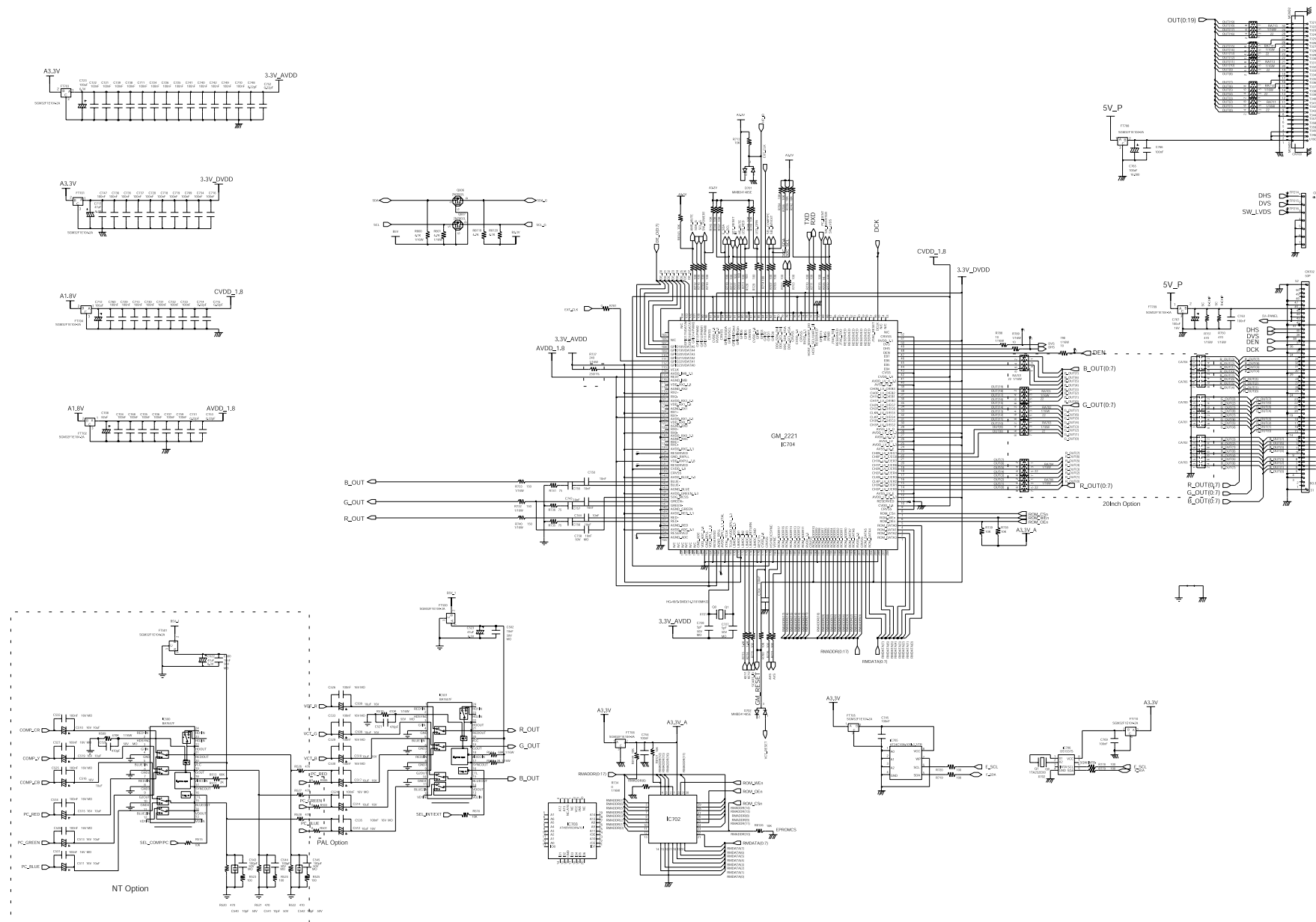
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11-2 Video Decoder Schematic Diagram



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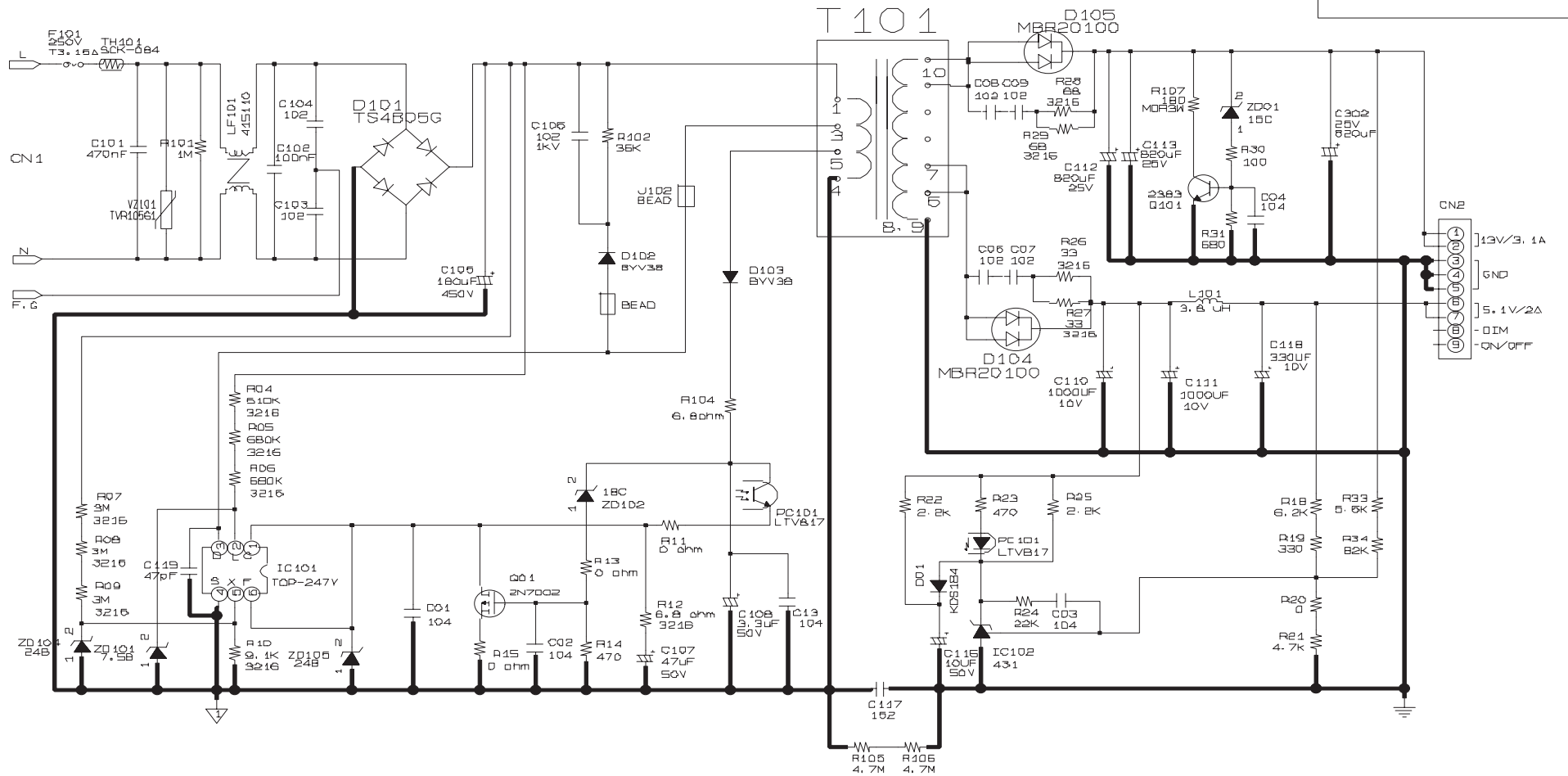
11-3 Output Scaler, LVDS Schematic Diagram



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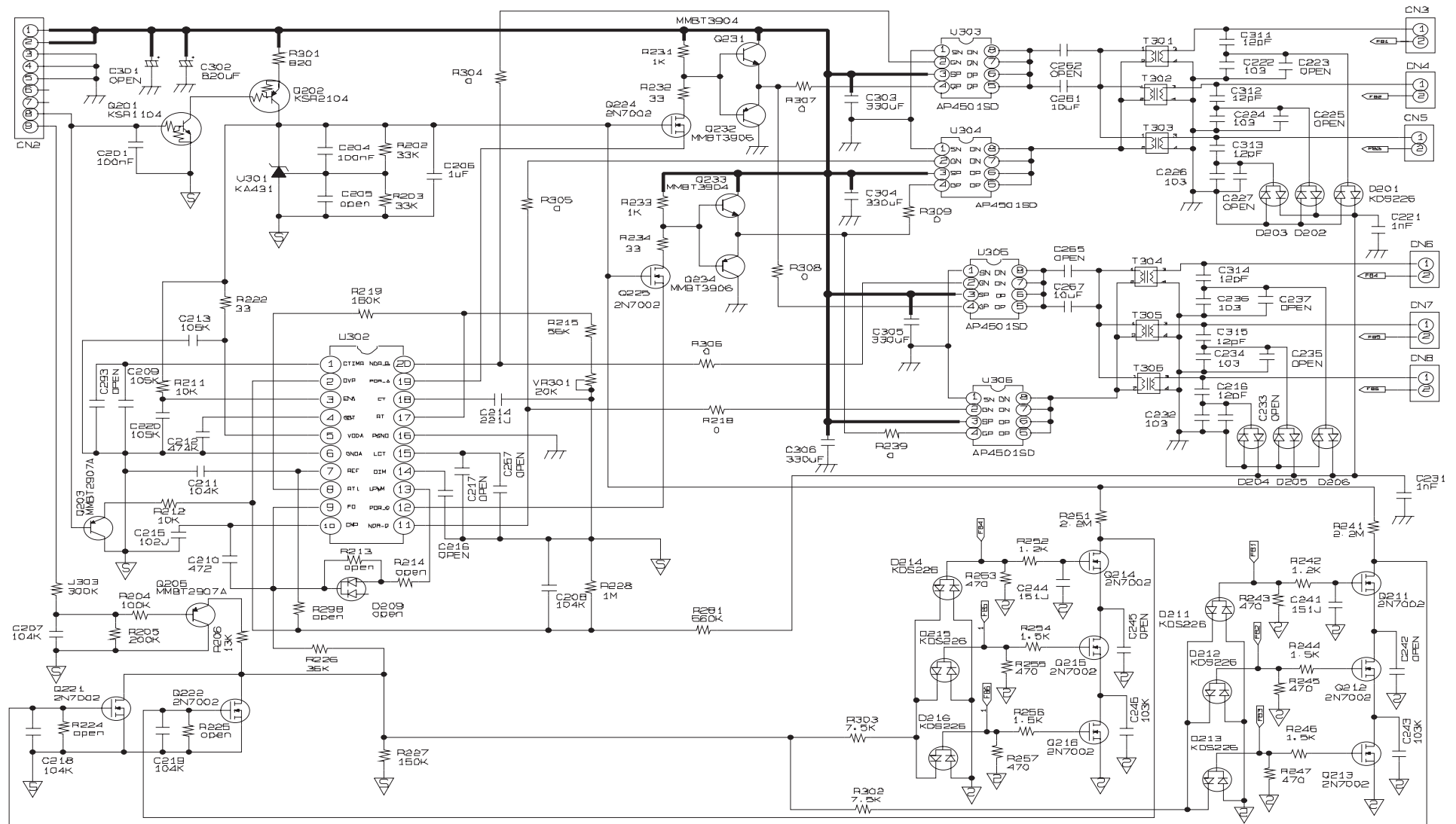
11-4 IP Board_1 Schematic Diagram

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11-7 IP Board_2 Schematic Diagram



Memo

12 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
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

12 Panel Description

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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	LTM190EX-L01	BN07-00191A	STH		AMLCD 19" TN new Panel
SEC	LTM190EX-L02	BN07-00191B	STZ		AMLCD 19" TN new Panel ZPD derivation
SEC	LTA230W1-L02	BN07-00184A	SPZ		AMLCD 23" 16:9 new Panel
SEC	LTA260W2-L01	BN07-00185A	SPZ		AMLCD 26" 16:9 new Panel
SEC	LTM240M1-L01	BN07-00195A	SPH		24" panel with high brightness 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

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Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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
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
TOSHIBA	LTM15C419(A)	BN07-00002A	TA		-
TOSHIBA	LTM15C423(B)	BN07-00006A	TB		-
TOSHIBA	LTM18C161	BN07-00008A	TC		-
TOSHIBA	LTM15C443	BN07-00031A	TD		-
TOSHIBA	LTM15C458	BN07-00043A	TE		-
TOSHIBA	LTM15C458S	BN07-00077A	TF		"TSB 15"" high brightness Panel"
TOSHIBA	LTM15C458	BN07-00078A	TG		Toshiba ZPD panel
TOSHIBA	LTM15C458S	BN07-00099A	TH		TSB LTM15C458S (ZPD)
HANNSTAR	HSD150MX41A(A)	BN07-00020A	NA		"TTL type"
HANNSTAR	HSD150MX12	BN07-00030A	NB		"TTL type"
HANNSTAR	HSD170ME13	BN07-00180A	NTH		Hannstar 17" TN new panel development
HANNSTAR	HSD170ME13	BN07-00180B	NTZ		Hannstar 17" TN new panel development ZPD code derivation
HANNSTAR	HSD190ME12	BN07-00210A	NTZ		Hannstar 19" TN new panel development
HANNSTAR	HSD150MX17-A	BN07-00226A	NTZ		Hannstar 15" slim panel ZPD code derivation
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/I/C) 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

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Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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"" Hydys TV"
HYUNDAI	HT15X15-D01	BN07-00146B	DJ		"Derivation panel HPD for Ares 15"" Hydys TV "
HYUNDAI	HT17E13-100	BN07-00167A	DTH		"PINEHURST-2(IBM) PJT 17"" HYDIS PANEL Derivation"
HYUNDAI	HT17E13-100	BN07-00167B	DTZ		"PINEHURST-2(IBM) Hydys 17"" ZPD code Derivation"
ACER	L170E3	BN07-00044A	AA		TN(ADT)
ACER	M170EN05	BN07-00076A	AB		AU 17" Panel (Narrow & slim design)
ACER	M170EN05	BN07-00102A	AC		ZPD Panel code
ACER	M190EN02	BN07-00170A	AMH		"AU Monitor 19"" new panel development (P19-1S)"
ACER	M190EN02	BN07-00170B	AMZ		"AU 19"" ZPD code derivation (ZPD)"
ACER	M170EN06	BN07-00171A	ATH		"AU Monitor 17"" New panel development "
ACER	T260XW01	BN07-00163A	AMZ		"AU 26"" new panel development (NF26EO)"
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
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		CHIME 15" PVA PANEL
CHIMEI	M150X3-L01	BN07-00079A	CE		Chimei ZPD panel
CHIMEI	M170E3-L01	BN07-00103A	CF		ZPD Panel code

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Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
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

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