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# COLOR MONITOR

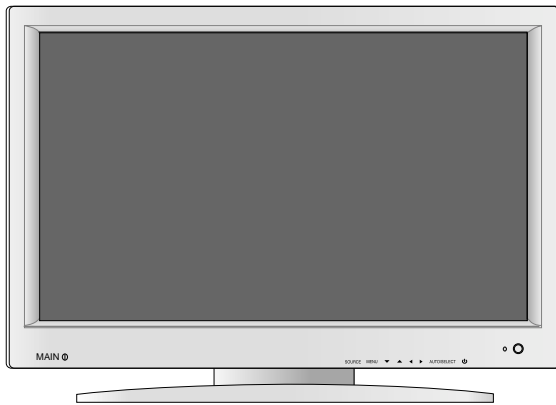
# SERVICE MANUAL

CHASSIS NO. : CL-49

MODEL: FLATRON L3020T (L3020AL-AL\*\*T)  
FLATRON L3020A (L3020AL-AL\*\*A, AG\*\*A)  
( ) \*\*Same model for Service

## CAUTION

BEFORE SERVICING THE UNIT,  
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.





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## SPECIFICATIONS

### 1. LCD CHARACTERISTICS

- Type : TFT Color LCD Module
- Size : 30inch
- Pixel Pitch : 0.5025 x 0.1675 x RGB
- Color Depth : 8-bit, 16,777,216 colors
- Electrical Interface : LVDS
- Active Display Area : 643.2mm x 385.92mm **-LPL Module**  
: 683.6mm x 433.6mm **-CMO Module**
- Surface Treatment : Anti-Glare, Hard Coating(3H) **-LPL Module**  
: Anti-Glare, Hard Coating(2H) **-CMO Module**
- Operating Mode : Normally Black, Transmissive
- Backlight Unit : 16-CCFL (Cold Cathode  
Fluorescent Lamp)

### 2. OPTICAL CHARACTERISTICS

- 2-1. Viewing Angle by Contrast Ratio  $\geq 10$ 
  - Left** : -80° min., -85°(Typ)
  - Right** : +80° min., +85°(Typ)
  - Top** : +80° min., +85°(Typ)
  - Bottom** : -80° min., -85°(Typ)
- 2-2. Luminance : 380(min), 450(Typ) **-LPL Module**  
: 450(min), 500(Typ) **-CMO Module**
- 2-3. Contrast Ratio : 280(min), 350(Typ) **-LPL Module**  
: 500(Typ) **-CMO Module**

### 3. SIGNAL (Refer to the Timing Chart)

- 3-1. PC & Video Input
  - 1)Signal Input : S-video,RCA, Component
  - 2)Input Form : D-SUB Analog, DVI-D,V1(CVBS)  
V2(SVHS), DVD(Ycbcr),HDTV(YPbPr),  
TV-NTSC(Opion)
  - 3)Resolution(max) : Analog -1280 x 1024 @ 60Hz  
Digital -1280 x 1024 @ 60Hz
- 3-2. Audio Signal
  - 1) Input: PC : 700mVrms  
AV : 450mVrms
  - 2) Output: PC : 8W  
AV : 8W
- 3-3. Sync Input
  - Horizontal : 30 ~ 66kHz(Digital: 30~63kHz)
  - Vertical : 56 ~ 85Hz
  - Input Form : Separate, TTL,  
Positive/Negative Digital

### 4. POWER SUPPLY

- 4-1. Power Adaptor
  - Input : AC 100~240V, 50/60Hz , 2.0A
  - Output : DC 5V 0.9A, DC12V 1.5A  
DC18V 1.0A, DC24V 5.0A
- 4-2. Power Consumption

MODE	H/V SYNC	VIDEO	POWER CONSUMPTION	LED COLOR
POWER ON (NORMAL)	ON/ON	ACTIVE	less than 160 W	GREEN
STAND-BY	OFF/ON	OFF	less than 5 W	AMBER
SUSPEND	ON/OFF	OFF	less than 5 W	AMBER
POWER OFF	OFF/OFF	OFF	less than 5 W	AMBER
CUT-OFF SWITCHOFF	-	-	less than 1 W	OFF

### 5. ENVIRONMENT

- 6-1. Operating Temperature: 10°C~35°C (50°F~95°F)
- 6-2. Operating Humidity : 10%~80%
- 6-3. MTBF : 50,000 Hours(Min.)

### 6. DIMENSIONS (with TILT/SWIVEL)

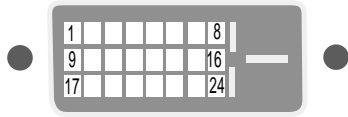
- Width : 734 mm (28.90")
- Height : 538 mm (21.18")
- Depth : 191 mm (7.52")

### 7. WEIGHT (with TILT/SWIVEL)

- LPL Module**
  - Net. Weight : 16.4kg (36.16 lbs)
  - Gross Weight : 21.7kg (47.84 lbs)
- CMO Module**
  - Net. Weight : 17kg (37.48 lbs)
  - Gross Weight : 22.5kg (49.61 lbs)

## Signal Connector Pin Assignment

### • DVI-D Connector (Digital)




Pin	Signal (DVI-D)	Pin	Signal (DVI-D)
1	T. M. D. S. Data2-	16	Hot Plug Detect
2	T. M. D. S. Data2+	17	T. M. D. S. Data0-
3	T. M. D. S. Data2/4 Shield	18	T. M. D. S. Data0+
4	T. M. D. S. Data4-	19	T. M. D. S. Data0/5 Shield
5	T. M. D. S. Data4+	20	T. M. D. S. Data5-
6	DDC Clock	21	T. M. D. S. Data5+
7	DDC Data	22	T. M. D. S. Clock Shield
8	Analog Vertical Sync.	23	T. M. D. S. Clock+
9	T. M. D. S. Data1-	24	T. M. D. S. Clock-
10	T. M. D. S. Data1+		
11	T. M. D. S. Data1/3 Shield		
12	T. M. D. S. Data3-		
13	T. M. D. S. Data3+		
14	+5V Power		
15	Ground (return for +5V, H. Sync. and V. Sync.)		

T. M. D. S. (Transition Minimized Differential Signaling)

## PRECAUTION

### WARNING FOR THE SAFETY-RELATED COMPONENT.

- There are some special components used in LCD monitor that are important for safety. **These parts are marked  on the schematic diagram and the replacement parts list.** It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

### TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

### CAUTION

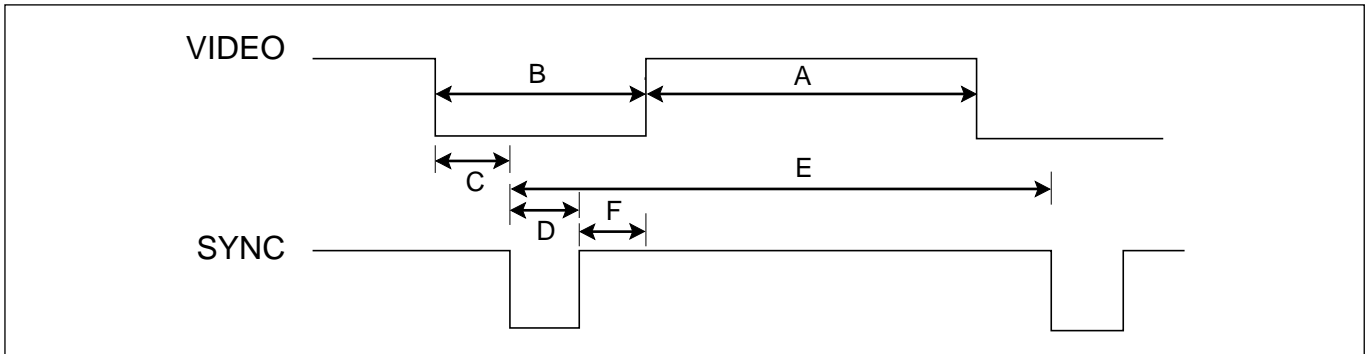
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

### WARNING

#### BE CAREFUL ELECTRIC SHOCK !

- If you want to replace with the new backlight (CCFL) or inverter circuit, must disconnect the AC adapter because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

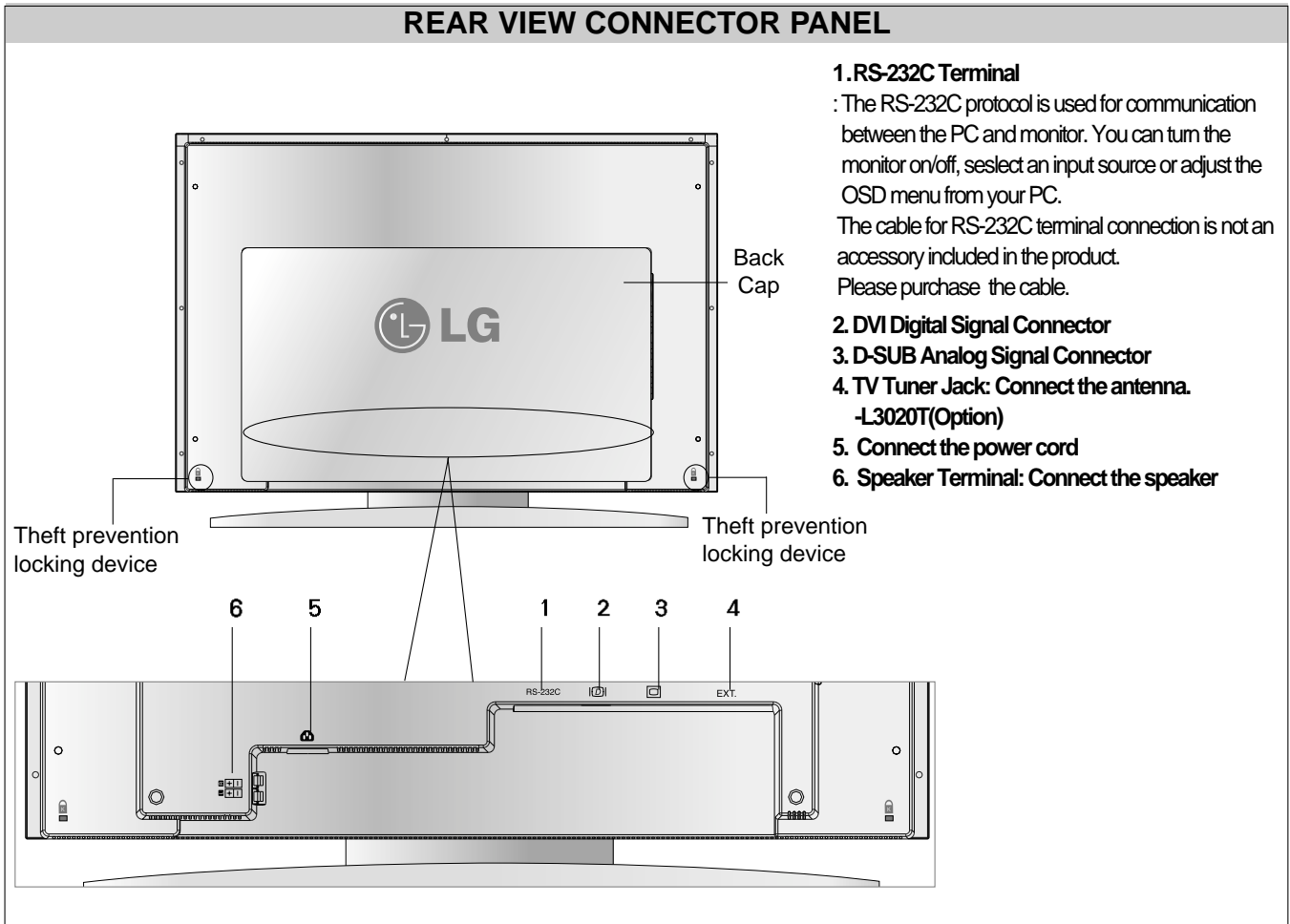
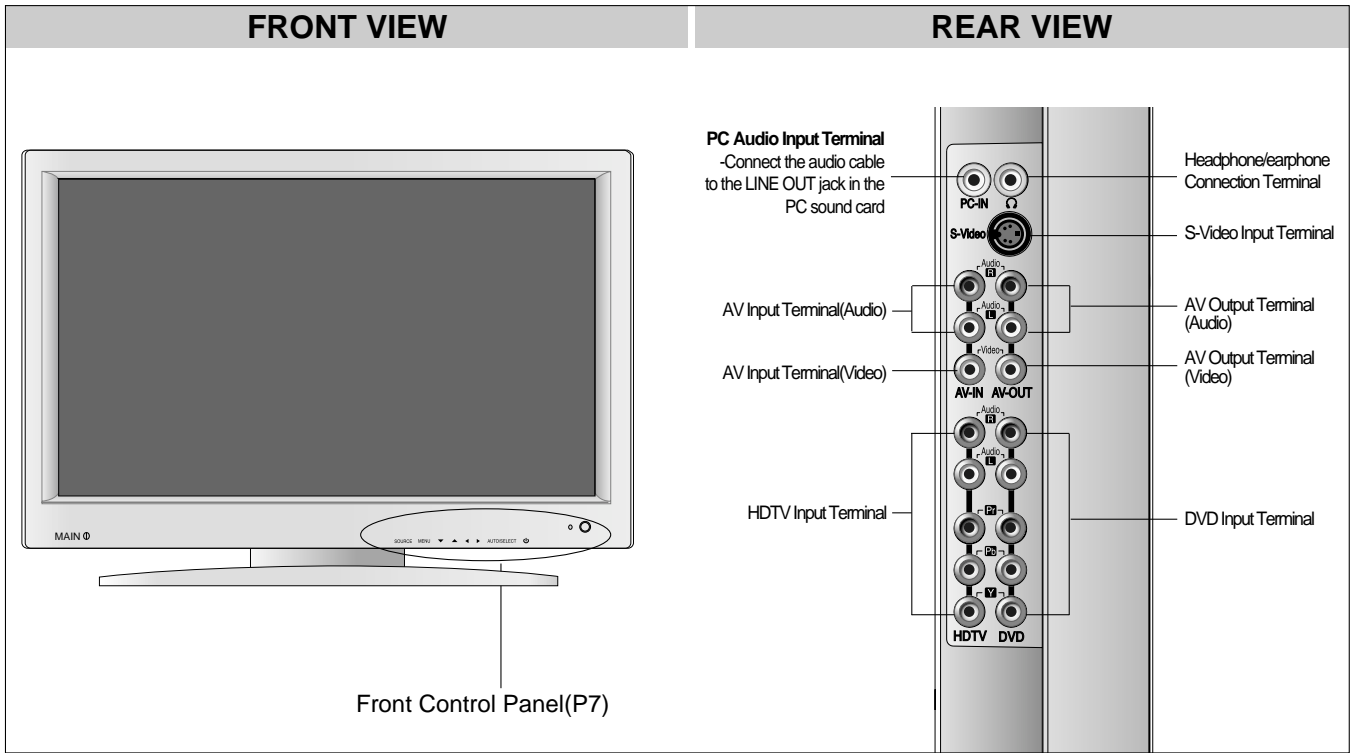
## TIMING CHART



<< Dot Clock (MHz), Horizontal Frequency (kHz), Vertical Frequency (Hz), Horizontal etc... (μs), Vertical etc... (ms) >>

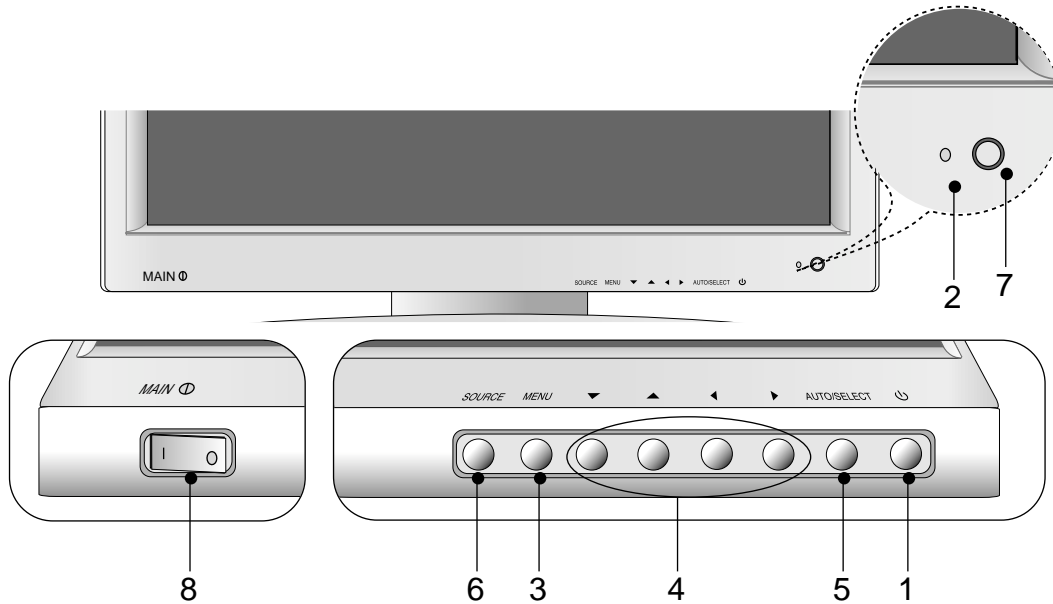
Mode	H/V Sort	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Front Porch (C)	Sync Duration (D)	Back Porch (F)	Resolution
1	H	+	25.175	31.469	800	640	16	96	48	640x350 70Hz
	V	-		70.8	449	350	37	2	60	
2	H	-	28.321	31.468	900	720	18	108	54	720x400 70Hz
	V	+		70.8	449	400	12	2	35	
3	H	-	25.175	31.469	800	640	16	96	48	640x480 60Hz
	V	-		59.94	525	480	10	2	33	
4	H	-	31.5	37.5	840	640	16	64	120	640x480 75Hz
	V	-		75	500	480	1	3	16	
5	H	-	36.0	43.269	832	640	56	56	80	640x480 85Hz
	V	-		85.0	509	480	1	3	25	
6	H	+	40.0	37.879	1056	800	40	128	88	800x600 60Hz
	V	+		60.317	628	600	1	4	23	
7	H	+	49.5	46.875	1056	800	16	80	160	800x600 75Hz
	V	+		75.0	625	600	1	3	21	
8	H	+	56.25	53.674	1048	800	32	64	152	800x600 85Hz
	V	+		85.061	631	600	1	3	27	
9	H	+/-	57.283	49.725	1152	832	32	64	224	832x624 75Hz
	V	+/-		74.55	667	624	1	3	39	
10	H	-	65.0	48.363	1344	1024	24	136	160	1024x768 60Hz
	V	-		60.0	806	768	3	6	29	
11	H	-	78.75	60.123	1312	1024	16	96	176	1024x768 75Hz
	V	-		75.029	800	768	1	3	28	
12	H	+	108.0	63.981	1688	1280	48	112	248	1280x1024 60Hz
	V	+		60.02	1066	1024	1	3	38	
13	H	+	80.14	47.7	1680	1280	66	134	200	1280x768 60Hz
	V	+		60	795	768	1	3	23	

# OPERATING INSTRUCTIONS



# OPERATING INSTRUCTIONS

## Front Control Panel



1 **Power Button** • Press the button to turn on the power. Press the button again to turn it off.

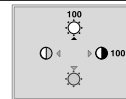
2 **Power (DPMS) Indicator** • The power LED will be on when power is on.

3 **MENU Button** • Use this button to show/hide the OSD (on Screen Display) menu screen.

4 **OSD Buttons** • Use the button to select an icon or adjust the setting in the OSD screen .



▼▲◀▶ • Adjust brightness and contrast.  
Press the Menu button to hide the screen



◀▶ Adjust the volume



5 **AUTO/SELECT Button** **[For DSUB signal]**  
• Select the icon to adjust on the OSD screen.  
• If you press the [AUTO/SELECT] button, automatic screen adjustment will be started.

**[Other signals that DSUB]**  
• The current signal and mode information will be displayed.

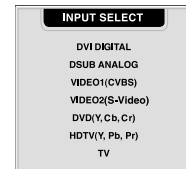
**AUTO IN PROGRESS**

6 **SOURCE Button**

**SOURCE** → ▼▲ → **AUTO/SELECT**

• Use this button to select an input signal.

- DVI DIGITAL: DVI digital signal
- DSUB ANALOG: 15-pin D-sub analog signal
- VIDEO1 (CVBS): Composite video
- VIDEO2 (S-Video): S-video
- DVD(Y, Cb, Cr): DVD
- HDTV(Y, Pb, Pr): HD television
- TV: television -L3020T(Optional)



7 **Remote Control Sensor**

8 **Power On/Off switch**

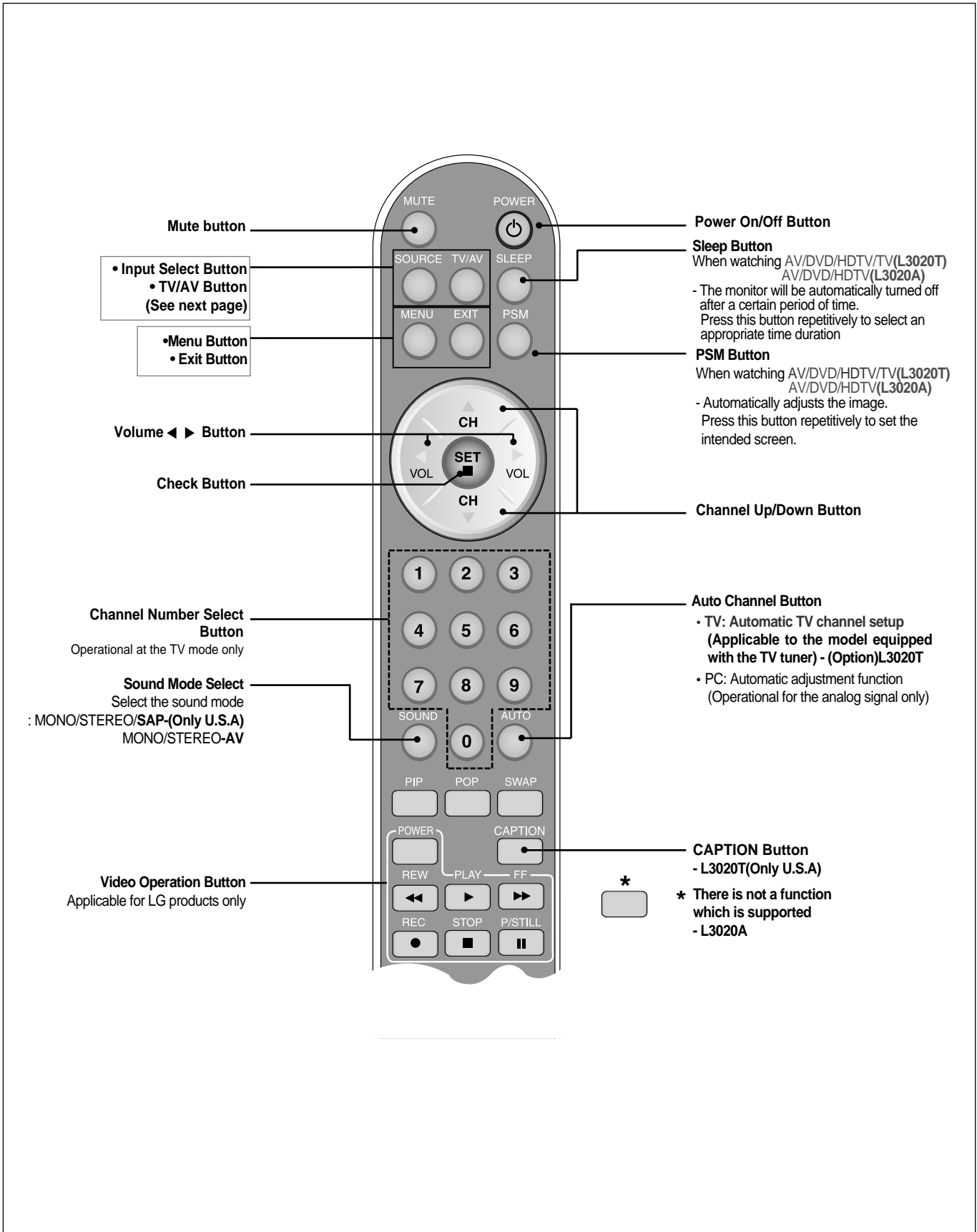
**CONTROLS LOCKED/UNLOCKED :** This function allows you to secure the current control settings, so that they cannot be inadvertently changed. Press and hold the MENU button and right button for 3 seconds: the message **"CONTROLS LOCKED"** appears.

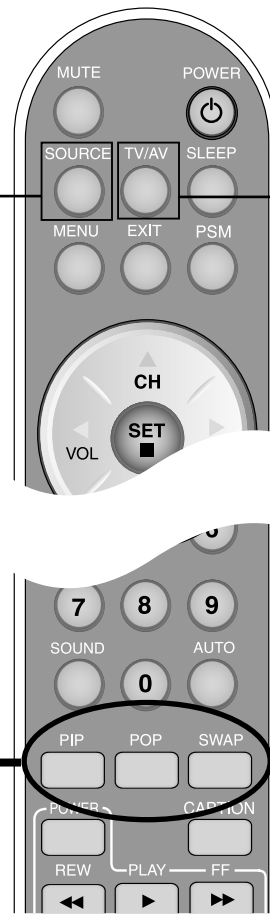


You can unlock the OSD controls at any time by pushing the MENU button and right button for 3 seconds: the message **"CONTROLS UNLOCKED"** will appear.



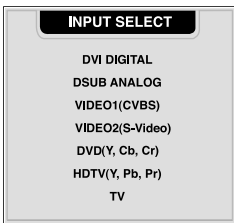
# Remote Controller Buttons





**• Input Select Button**

If you press the button once, the following Input Signal Window will appear. Select the signal type you want using the  $\blacktriangledown$   $\blacktriangle$  button.



**• TV/AV Button**

This button will be enabled only when you selected the TV/AV signal. The signal type will be changed with the following order. Set the signal type you want.

- TV → VIDEO1 → VIDEO2 → DVD → HDTV
- AV VIDEO1 → VIDEO2 → DVD → HDTV

**1. PIP (Picture in Picture) Button**

The sub-screen moves to the next mode whenever you press this button.  
: Small -> Large -> Off

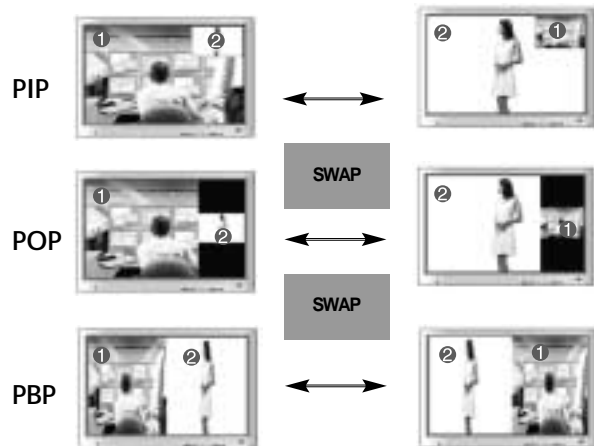
**2. POP (Picture out Picture) Button**

The sub-screen moves to the next mode whenever you press this button.  
: POP ON -> PBP(FULL) -> PBP(4:3) -> OFF



**3. Swap Button**

You can swap the main screen and the sub-screen when the PIP/POP/PBP function is used..



When 'Input Signal 1' comes on in the main screen, only 'Input Signal 2' can be displayed on the sub-screen. On the contrary, if the main screen displays 'Input Signal 2', the sub-screen can display 'Input Signal 1' only. You can swap 'Input Signal 1' and 'Input Signal 2' using the SWAP button.

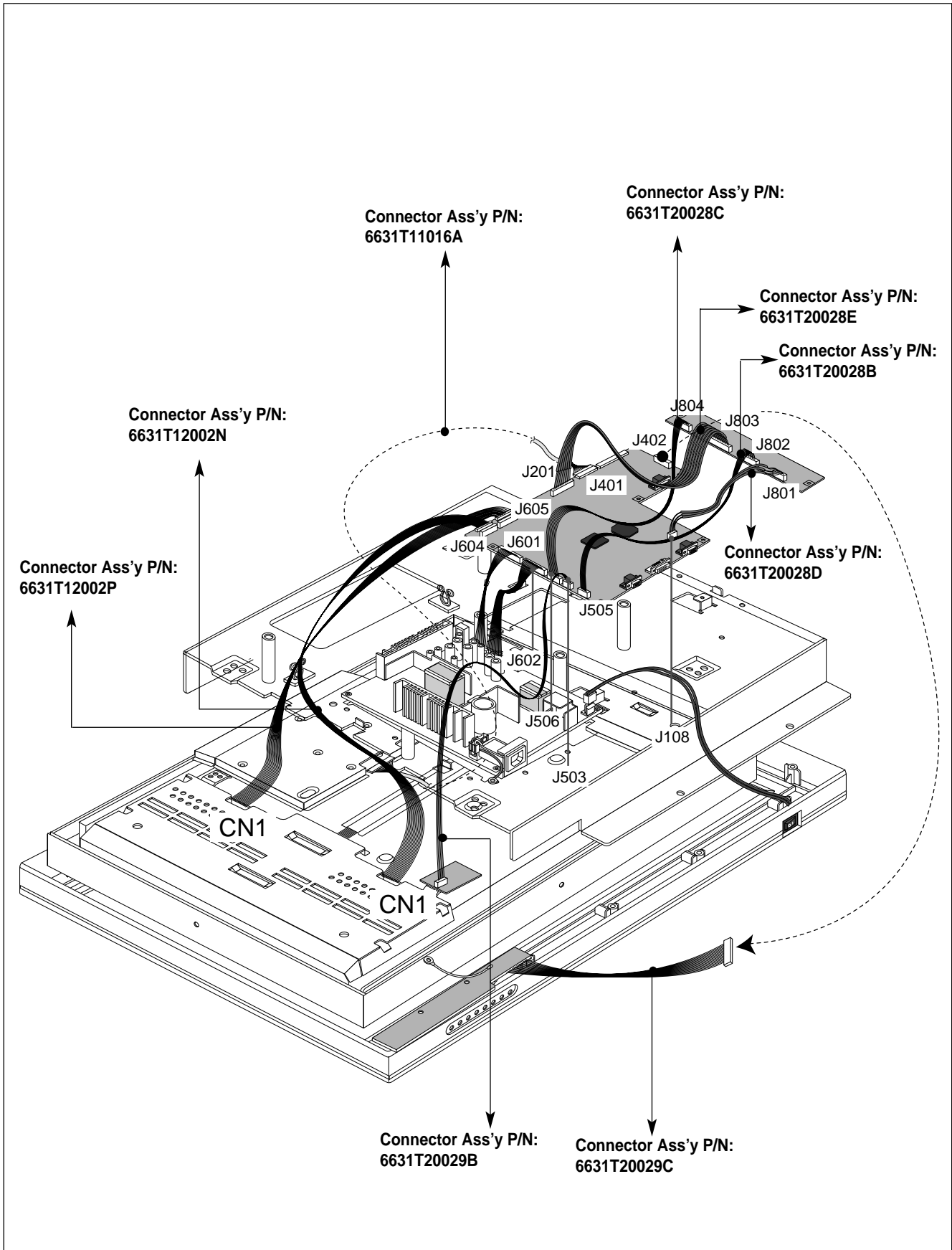
**<Table of PIP/POP/PBP Function Support> -L3020T**

Main Screen / Sub-Screen	DVI-D	D-SUB	VIDEO1	VIDEO2	DVD	HDTV	TV
DVI-D	X	●	●	●	●	●	●
D-SUB	●	X	●	●	●	X	●
VIDEO1	●	●	X	X	X	●	X
VIDEO2	●	●	X	X	X	●	X
DVD	●	●	X	X	X	●	X
HDTV	●	X	●	●	●	X	●
TV	●	●	X	X	X	●	X

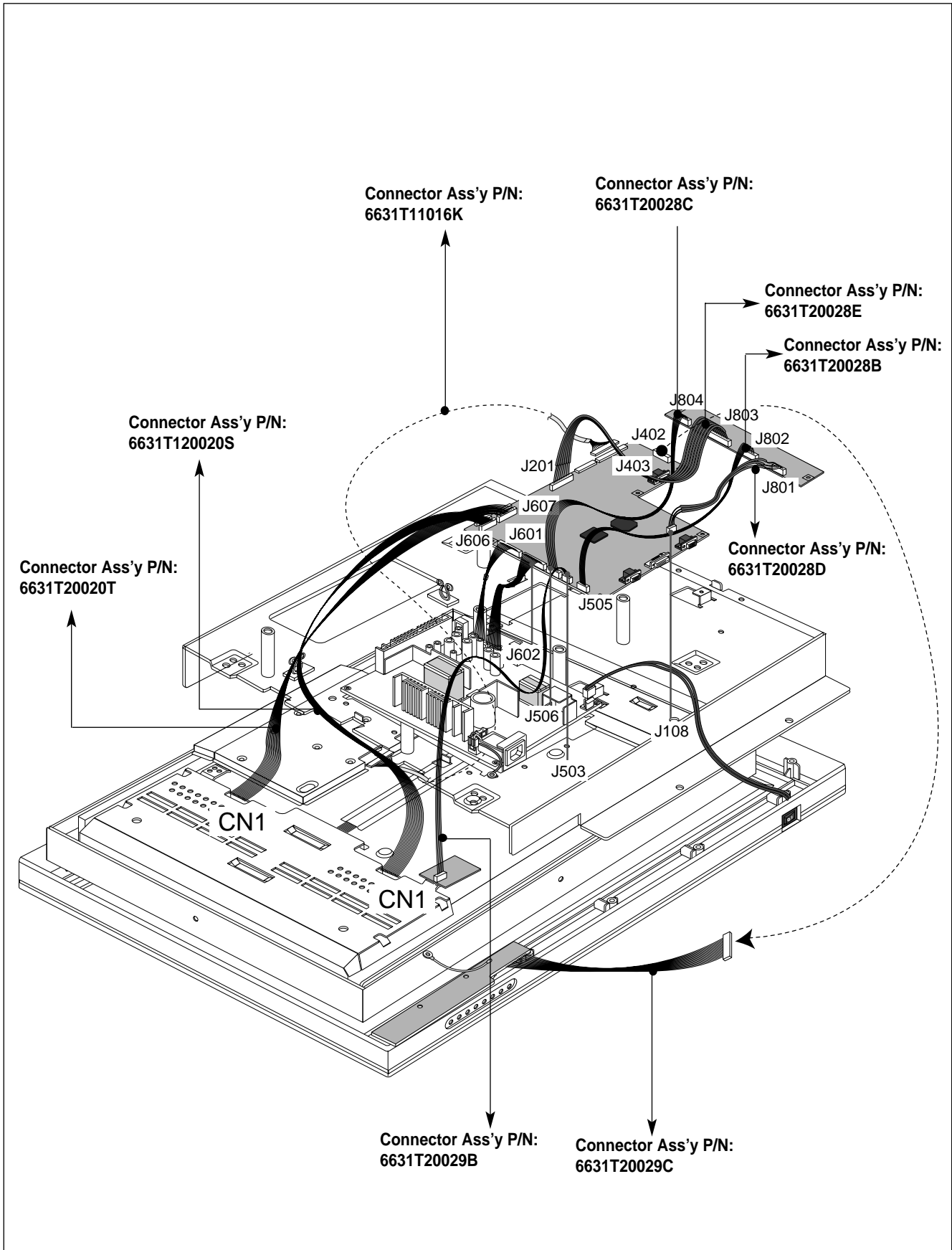
**<Table of PIP/POP/PBP Function Support> -L3020A**

Main Screen / Sub-Screen	DVI-D	D-SUB	VIDEO1	VIDEO2	DVD	HDTV
DVI-D	X	●	●	●	●	●
D-SUB	●	X	●	●	●	X
VIDEO1	●	●	X	X	X	●
VIDEO2	●	●	X	X	X	●
DVD	●	●	X	X	X	●
HDTV	●	X	●	●	●	X

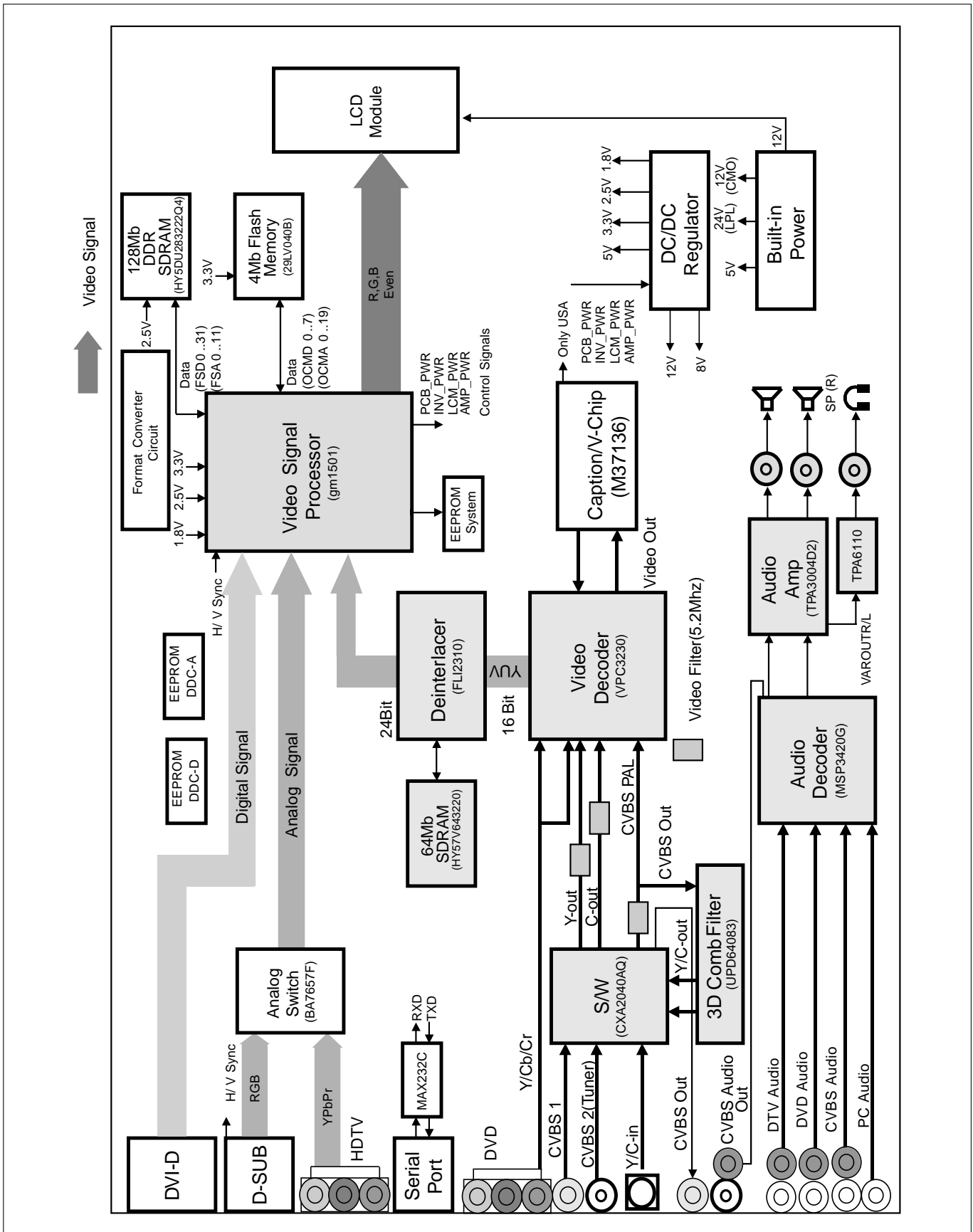
# WIRING DIAGRAM(LPL Module)



# WIRING DIAGRAM(CMO Module)



# BLOCK DIAGRAM



# DESCRIPTION OF BLOCK DIAGRAM

## 1. Input Selection Circuit

### 1) Analog Input Selection

This block is composed of BA7657F(U103) and peripheral devices.

There are analog H/V Syncs. BA7657F IC chooses one input and outputs selected input through sync selection pin (Pin 1).

### 2) Video Input Selection

This block is composed of video S/W IC (CXA2040Q, U3) and peripheral devices. There are three inputs in CXA2040Q IC(CVBS video signal through RF tuner, video input CVBS, S-video signal). One selected video signal is transmitted a video decoder IC (VPC3230, U1)

## 2. DDC controller

This block is composed of GM1501(U402) and peripheral EEPROM IC(U107,U108).

GM1501(U402) controls peripheral devices through IIC line.

Major functions are (1) to control Flash memory through DDC-SCLA, DDC-SDAA of D-sub and (2) to store EDID data in the EEPROM (U107,U108).

## 3. Video Decoder

This block is composed of VPC 3230 (U1) and peripheral devices.

GM 1501 controls this IC through IIC Line.

This IC analyzes input signal of CVBS, Y/C and output analyzed signal (8bit interlace signal) to De-interlace block.

Analyzed signal has video control signals like Contrast, Brightness, Sharpness, Color, tint signals Including Adaptive Comb Filter.

## 4. Audio Decoder

This block is composed of MSP3420G (U503) and peripheral devices.

GM 1501 controls this IC through IIC Line.

This IC analyzes audio input signal through A/V Jack and PC audio.

The analyzed signals transmitted to audio amplifier (TPA3004, U505).

## 5. Audio Amplifier

This block is composed of TPA3004 (U505) and peripheral devices.

The function of the audio amplifier is that to amplify audio L/R signal transmitted from audio decoder. The audio signal is amplified according to pre-defined DC volume control curve. Also, Headphone amplifier(Tpa6110, U501) is controlled through Line-out.

## 6. De-interlacer

This block is composed of FLI 2310(U301) and peripheral devices.

GM1501 (U402) controls this IC through IIC Line.

And this IC converts 8 Bit Interlaced Y/UV signal to De-interlaced signal.

It output converted signal to Format Converter IC(GM 1501, U402).

## 7. Format Converter

This block is composed of GM 1501(U402) and peripheral devices. GM 1501(Scaler,U402) contains MICOM.

1) This IC contain A/D converter, Pre-amp and PLL circuit that converting analog video signal(0.7Vp-p) through D-sub(J103) Pin to digital signal.

2) This IC Decode TMDS signals of 8 line from DVI-D Pin (J202) and transmit to LVDS Transmitter.

GM 1501 is Format Converter IC that receives Digital signal and outputs proper frame signal to LCD Module Timing(1280x768,WXGA).

## 8. DC/DC Converter block

DC/DC Converter convert the input 12V, 24V to proper 2.5V, 3.3V, 5V, 1.8V for main control system.

For shooting heat trouble, we use the DC/DC converting IC.

## 9. Caption/V-CHIP block -Only U.S.A

This block is composed of M37136(U202) and peripheral devices. M37136 IC is useful for channel selection system for TV with a closed caption decoder.

It receives text information signal and displays text information through text receiver decoder. It called multi-text broadcast.

## 10. Power Supply Block

This Block generates DC Voltages(12V, 24V) to Main Control system from AC Power(100-240 V, 50/60 Hz, 1.0 A).

This Circuit contains PFC(Power Factor correction) circuit.

The Minimum of Power efficiency is about 75%.

# ADJUSTMENT

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment may be required. Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

- Alignment appliances and tools.
  - IBM compatible PC
  - Programmable Signal Generator. (eg. VG-819 made by Astrodesign Co.)
  - Oscilloscope.
  - White Balance Meter. (CA-110)

## 1. Adjustment Start

- 1) Display any pattern at any Mode.
- 2) Run alignment program for L3020AL on the IBM compatible PC.
- 3) Select EEPROM → ALL INIT command and Enter.
- 4) This will make all data to default state.
- 5) Select COMMAND → PRESET START command and Enter.

## 2. DDC Data Write Procedure-Analog

- 1) Use this procedure only when there is some problem on Analog EDID data.
- 2) Run alignment program for L3020AL on the IBM compatible PC.
- 3) Select EEPROM → Analog EDID write command and Enter.
- 4) This will write the Analog EDID data to EEPROM.

## 3. DDC Data Write Procedure-Digital

- 1) Use this procedure only when there is some problem on Digital EDID data.
- 2) Run alignment program for L3020AL on the IBM compatible PC.
- 3) Select EEPROM → Digital EDID write command and Enter.
- 4) This will write the Digital EDID data to EEPROM.

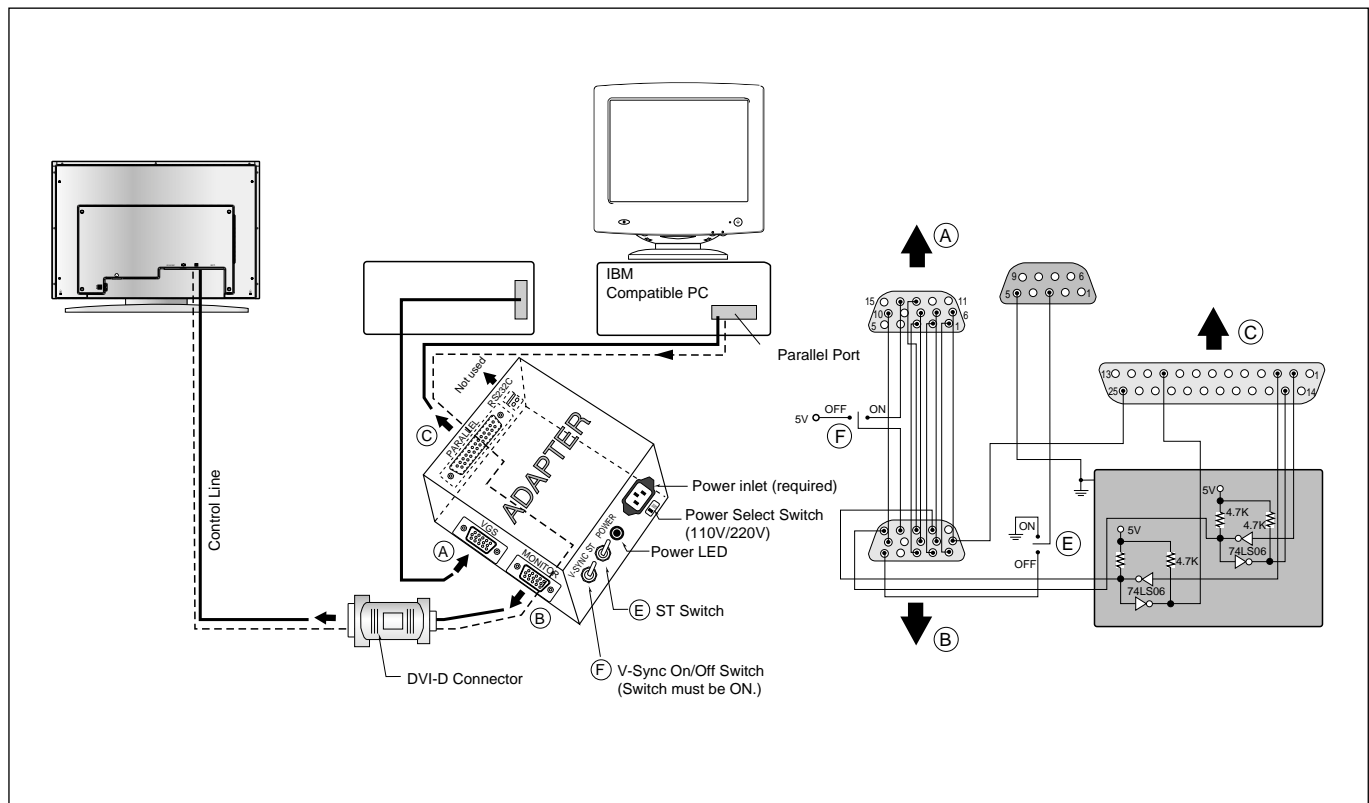


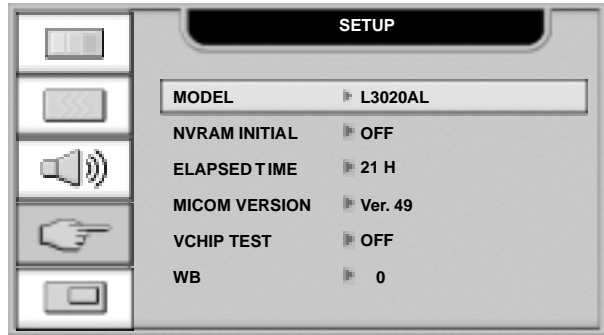
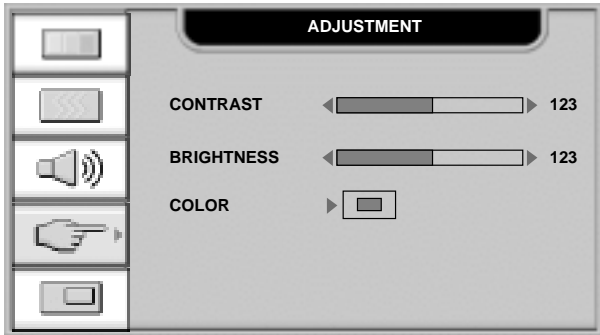
Figure 1. Cable Connection

# ADJUST WHITE BALANCE

1. Input Analog signal through D-sub.

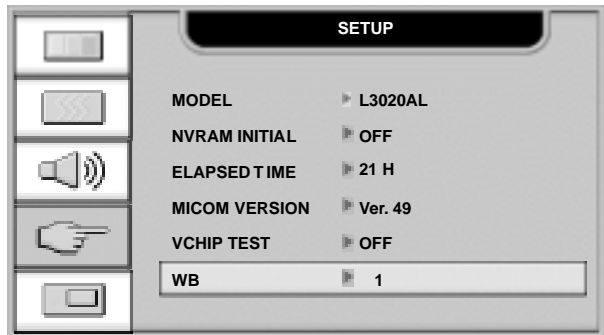
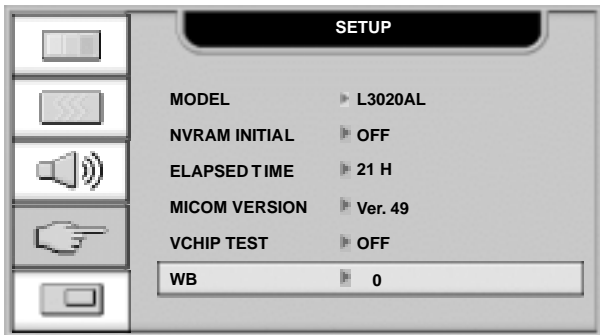
2. Press MENU Key and 3, 0, 2, 0 Num.key

3. Then move SETUP. You can see SVC OSD.

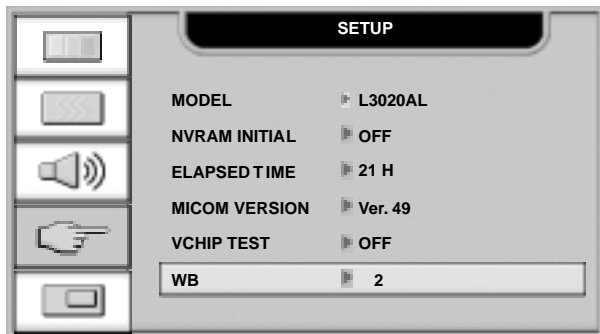


4. Press Down key to move WB

5. Input Full Black signal through D-Sub and the number beside WB changes 1



7. Input Full White signal through D-Sub and PRESS RIGHT Key.

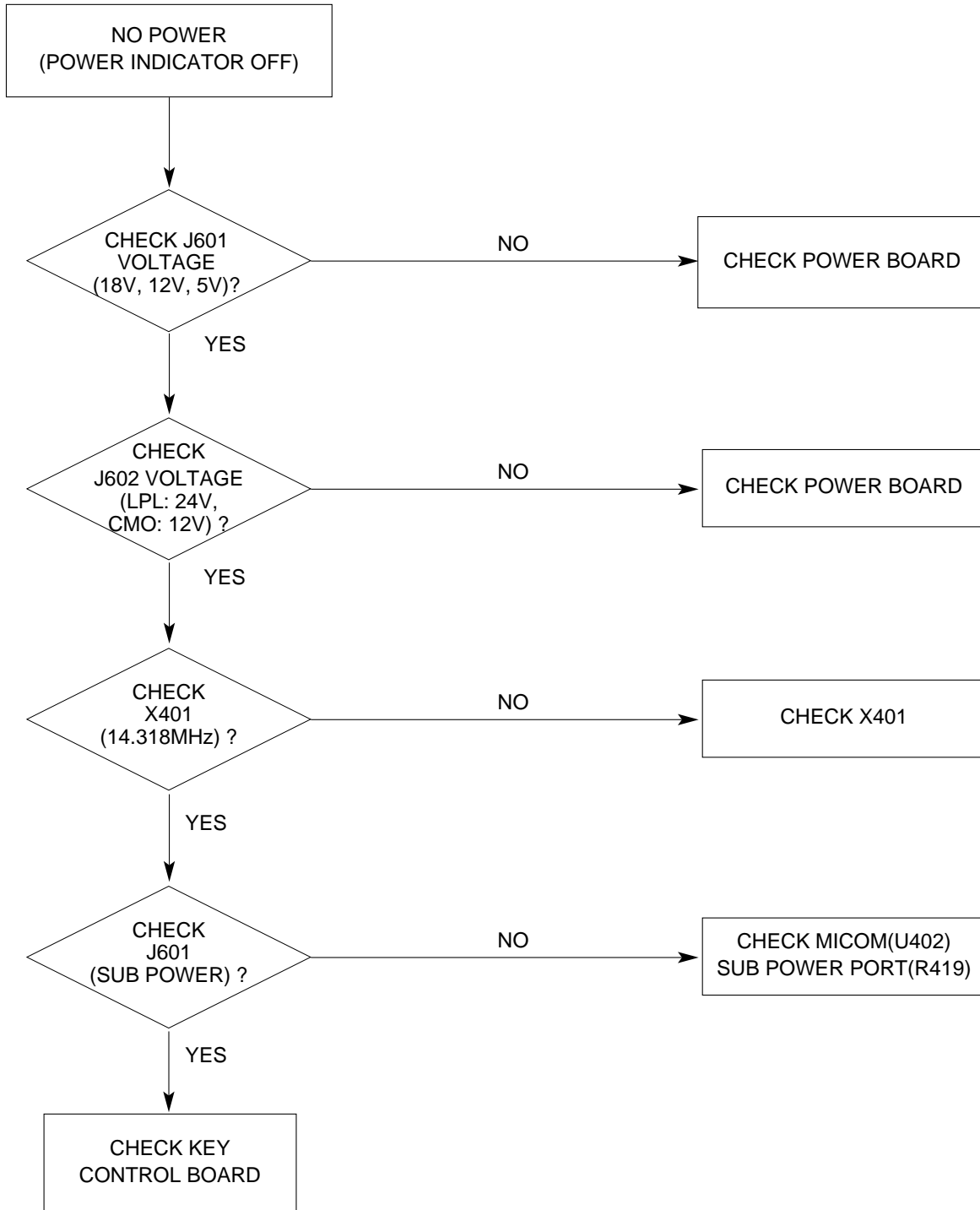


8. The number beside WB changes 2.  
White balance adjustment is over.

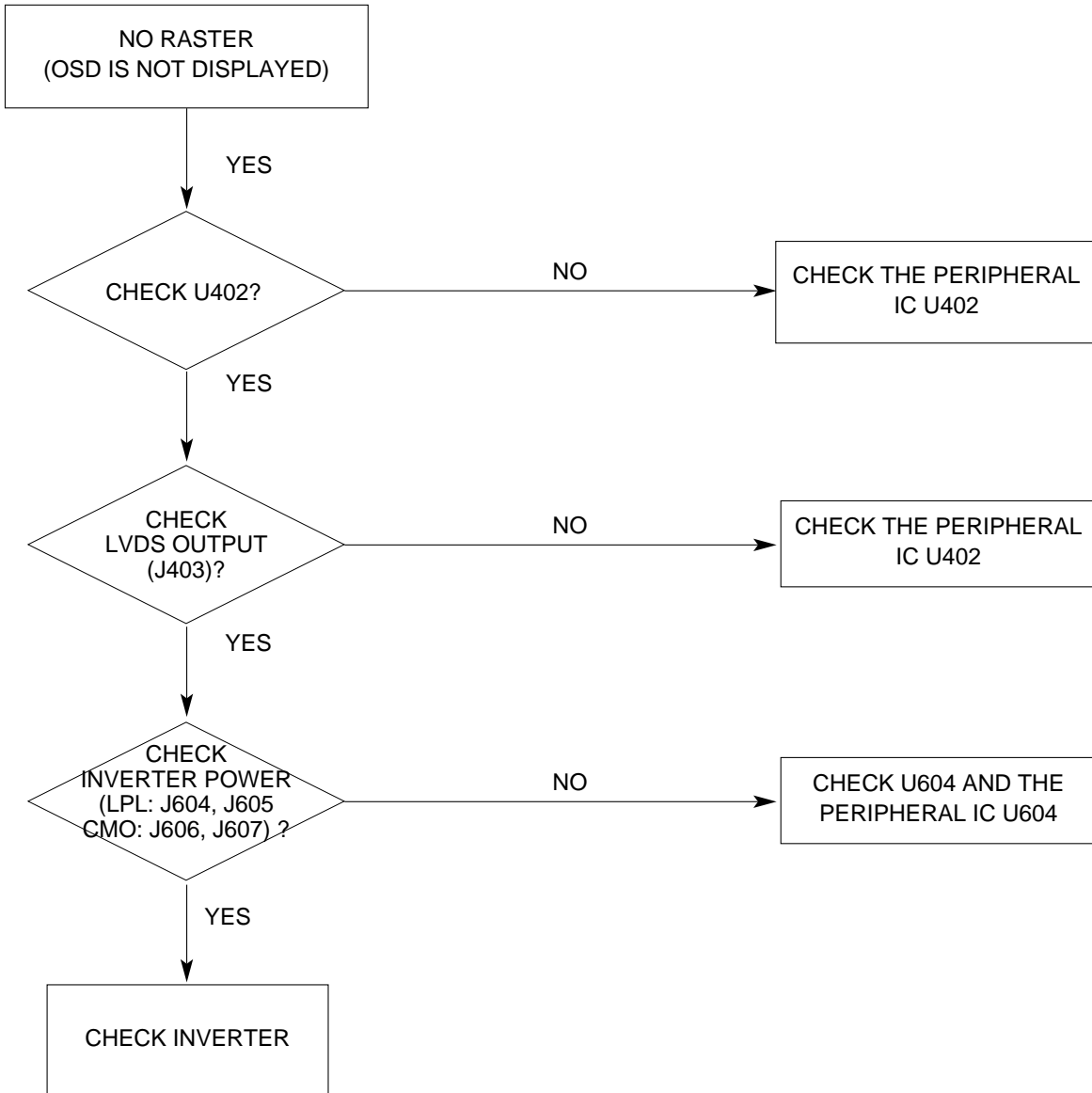


# TROUBLESHOOTING GUIDE

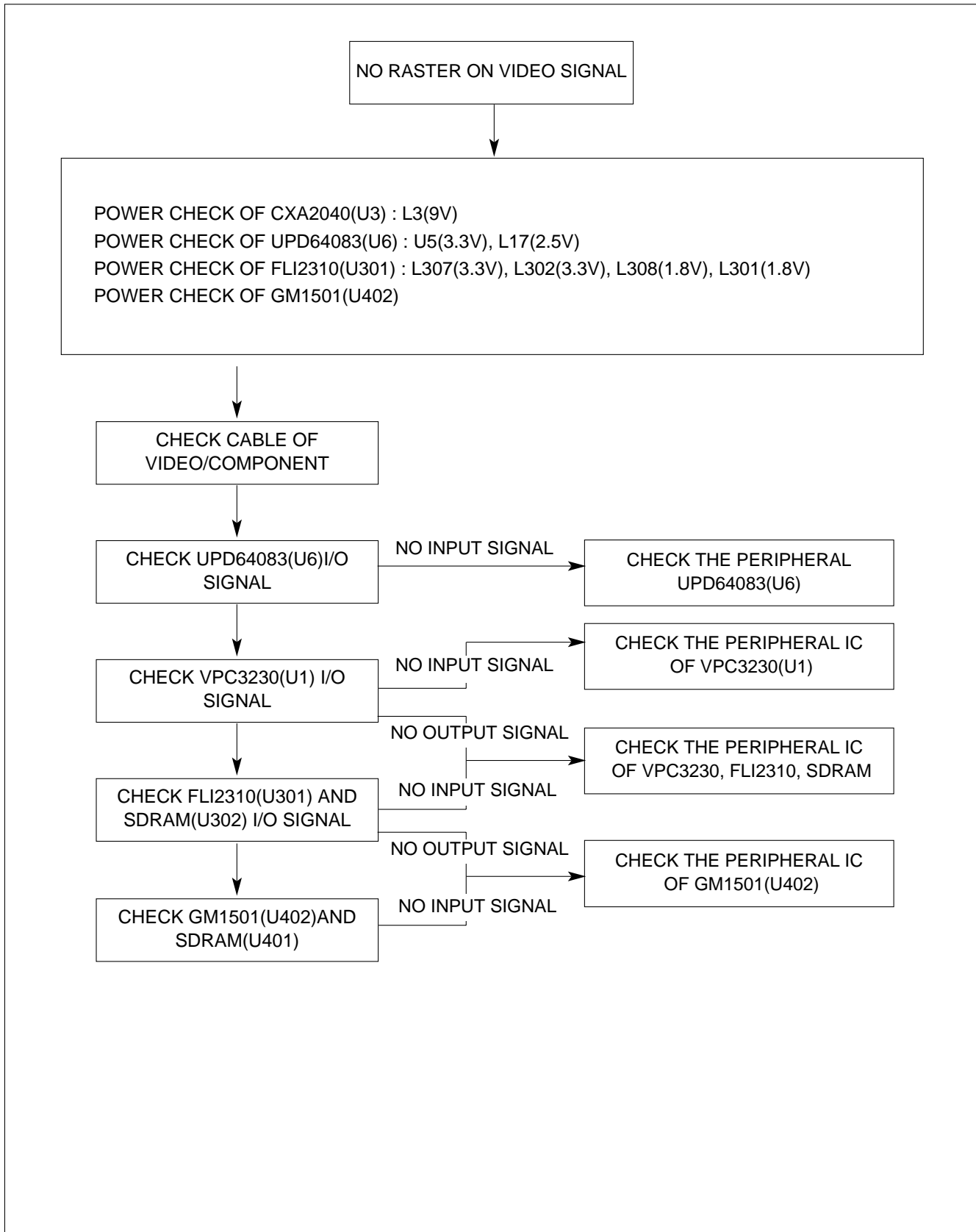
## 1. NO POWER



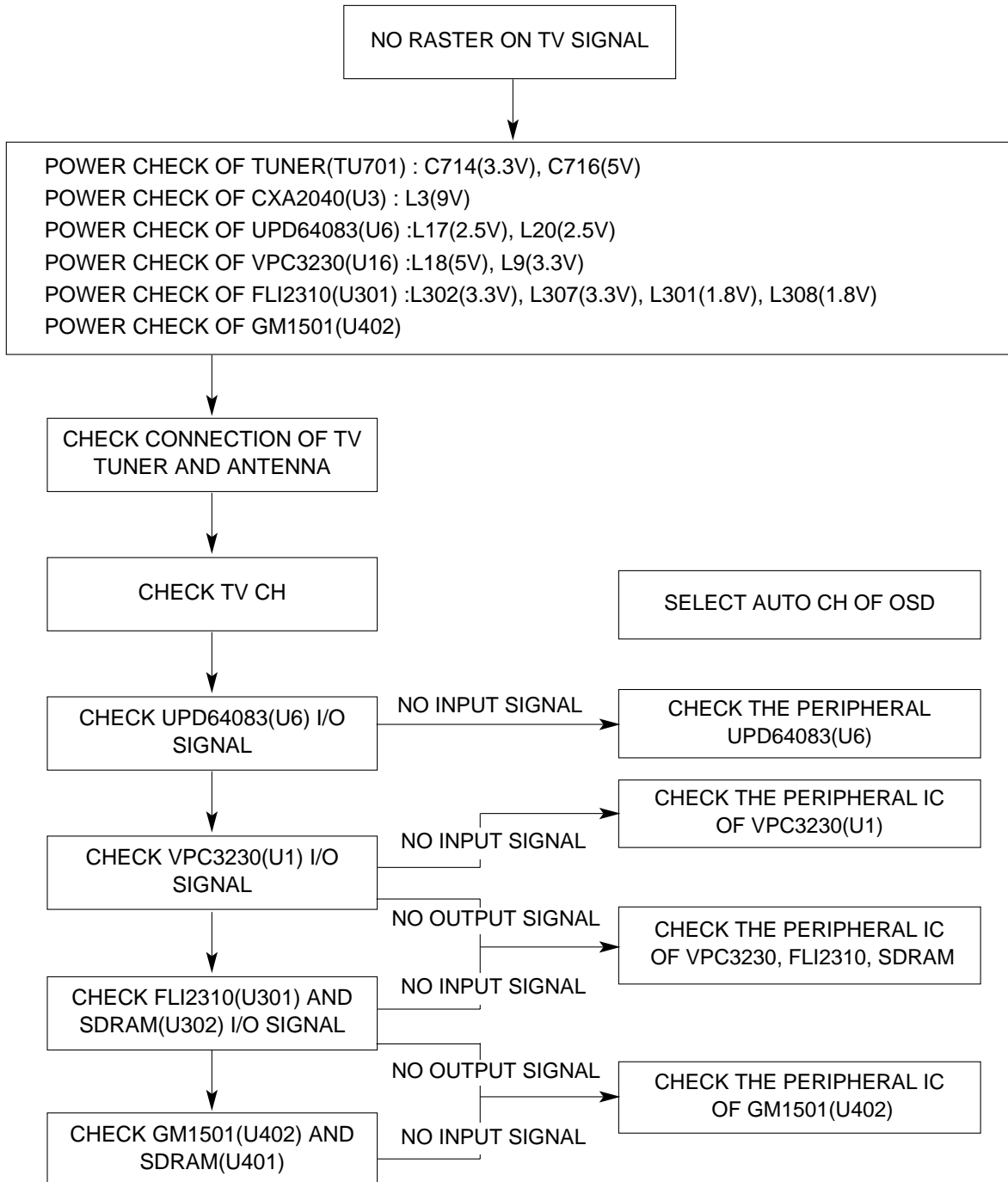
## 2. NO RASTER(OSD IS NOT DISPLAYED)



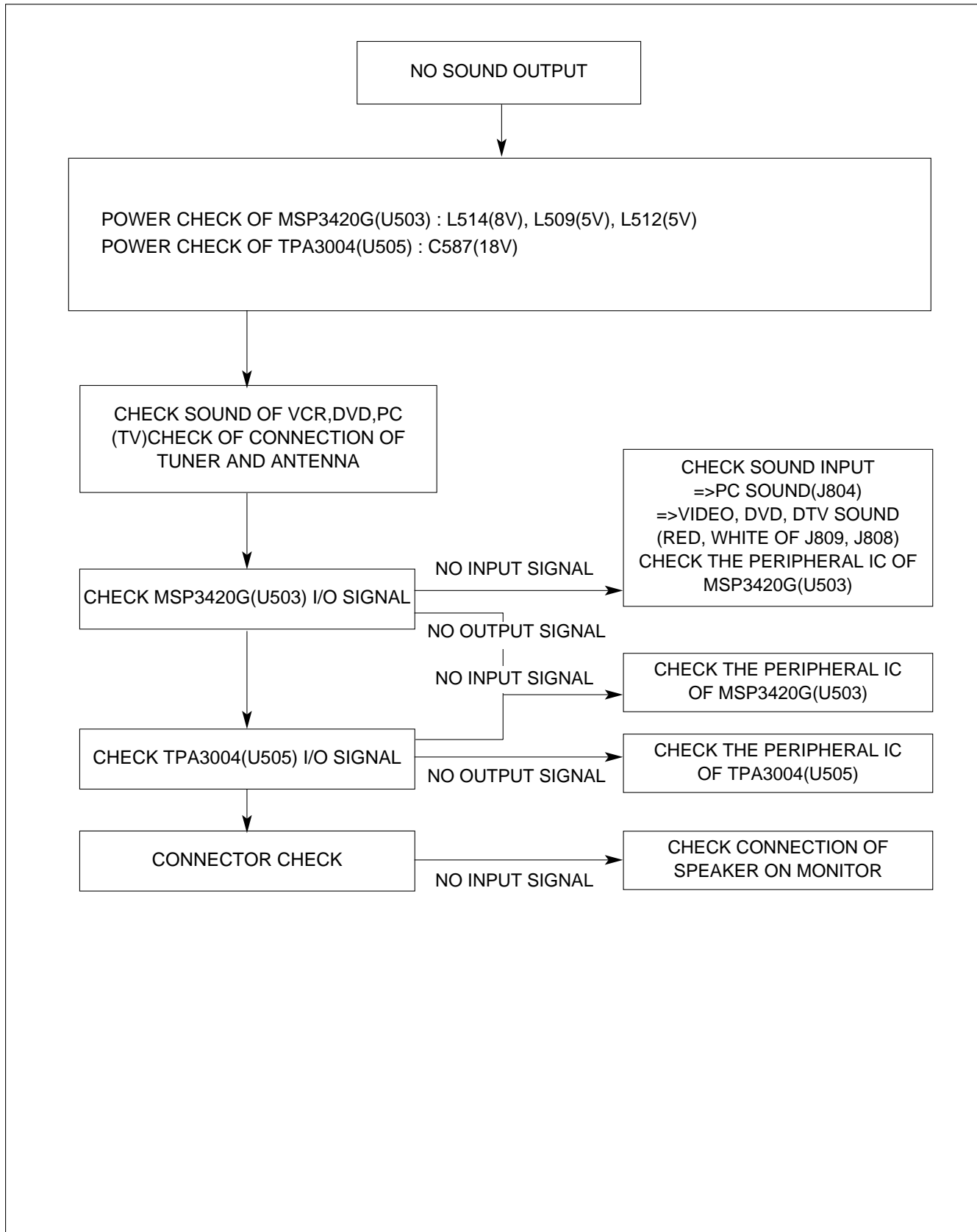
### 3. NO RASTER ON VIDEO SIGNAL INPUT



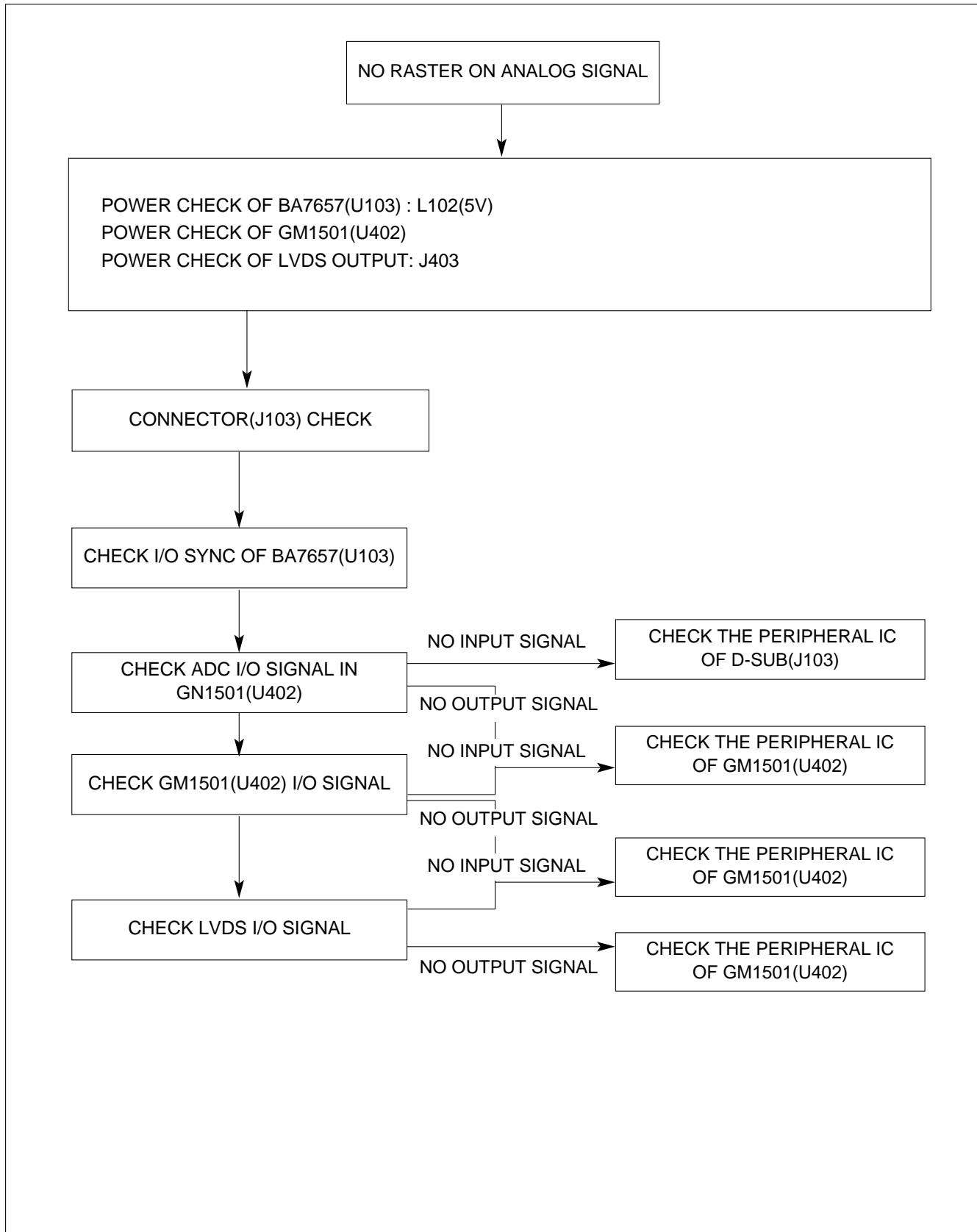
#### 4. NO RASTER ON TV SIGNAL INPUT



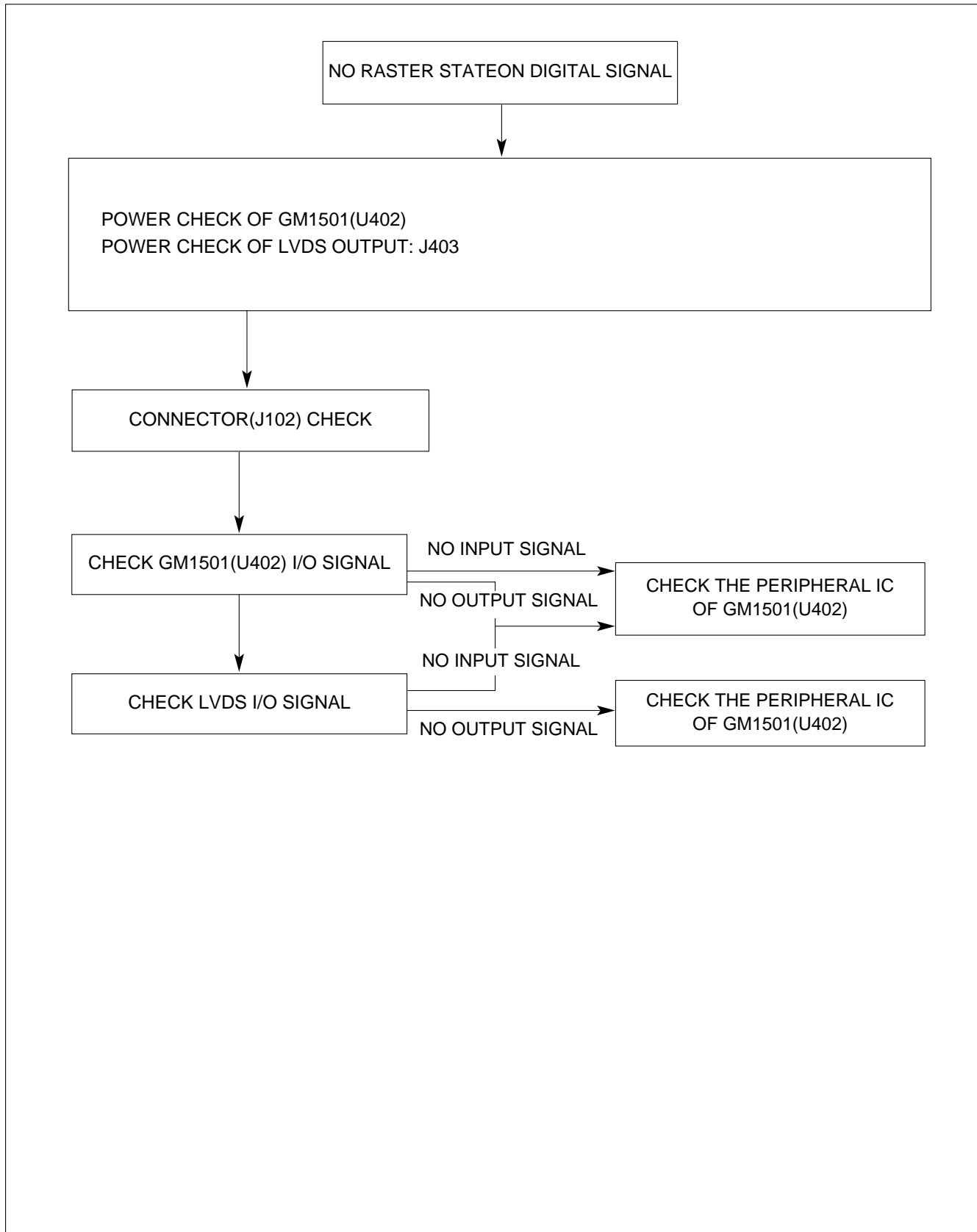
## 5. SOUND TROUBLE SHOOTING



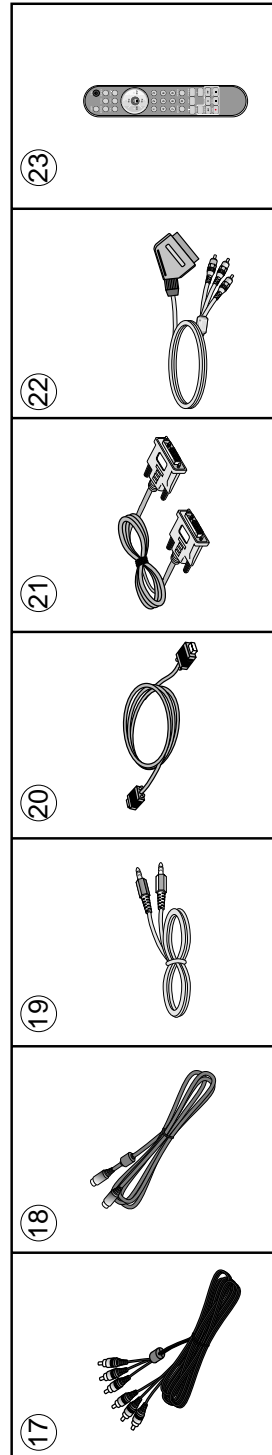
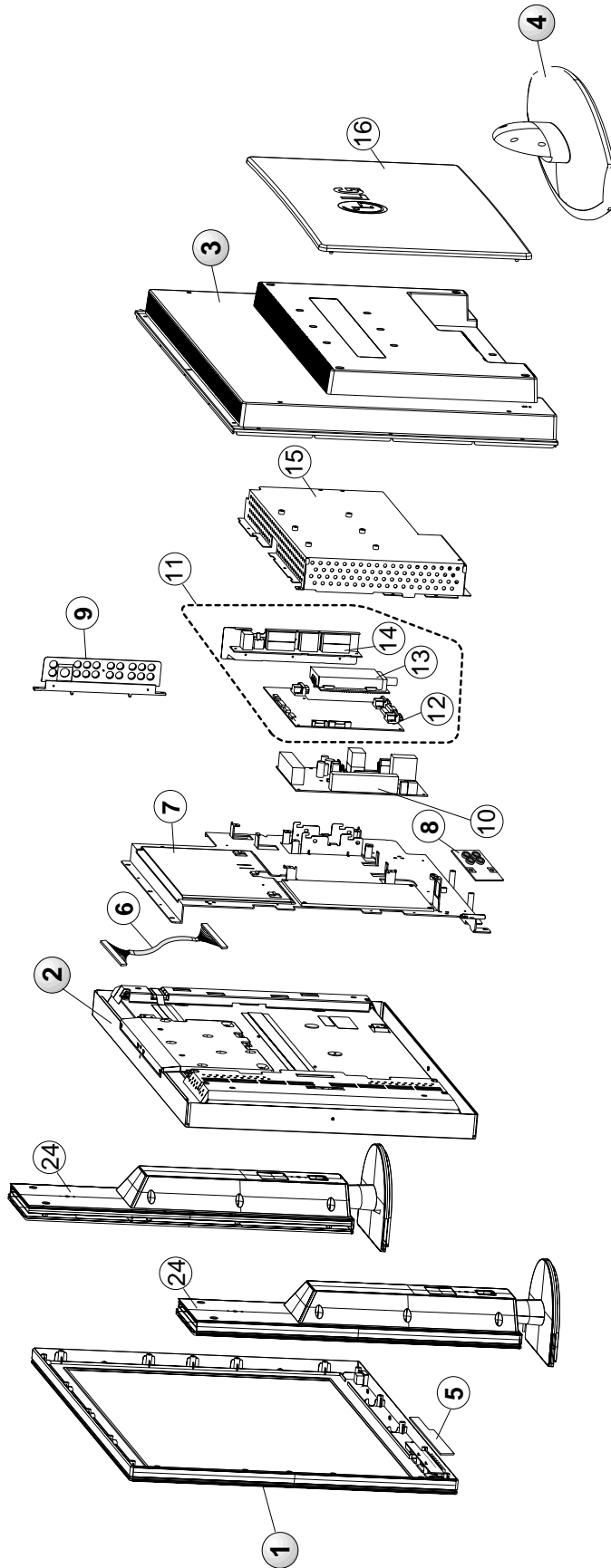
## 6. NO RASTER STATE ON ANALOG SIGNAL



## 7. NO RASTER STATE ON DIGITAL SIGNAL



# EXPLODED VIEW





## EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description
1	3091TKL059L	CABINET ASSEMBLY, L3020A/T BRAND 3090TKL056 _FOR EXPORT <b>-L3020T</b>
	3091TKL059D	CABINET ASSEMBLY, L3020A BRAND 3090TKL056 . <b>-L3020A(NTSC)</b>
	3091TKL059N	CABINET ASSEMBLY, L3020A BRAND 3090TKL056 _CKD <b>-L3020A(PAL)</b>
2	6304FLP098A	LCD(LIQUID CRYSTAL DISPLAY), LC300W01-A5 <b>LG PHILIPS TFT</b> COLOR WXGA,450NITS,LVDS
	6304FCI006A	LCD(LIQUID CRYSTAL DISPLAY), V296W1-L06 <b>CHIMEI TFT COLOR</b> WXGA LVDS
3	3809TKL050A	BACK COVER ASSEMBLY, L3020 3808TKL057 <b>-L3020T</b>
	3809TKL050C	BACK COVER ASSEMBLY, L3020A L057 FOR NO_TV <b>-L3020A(NTSC)</b>
	3809TKL050E	BACK COVER ASSEMBLY, L3000H 3090TKL056 _CKD <b>-L3020A(PAL)</b>
4	3043TKK125A	TILT SWIVEL ASSEMBLY, L3020 4950TKK592 STAND
	3043TKK125C	TILT SWIVEL ASSEMBLY, L3020A 4950TKK592 _STAND <b>-L3020A(PAL)</b>
5	6871TST444A	PWB(PCB) ASSEMBLY, SUB, L3020AL CONTROL TOTAL BRAND CL-49
6	6631T11016A	CONNECTOR ASSEMBLY, 20P H-H 180MM UL20276 I/FACE CABLE LB200A <b>-LPL Module</b>
	6631T11016K	CONNECTOR ASSEMBLY, 30P H-H 260MM UL20276 AWG30 L3000A <b>-CMO Module</b>
7	4951TKS133A	METAL ASSEMBLY, FRAME MAIN_L3020A <b>LPL</b>
	4951TKS133B	METAL ASSEMBLY, FRAME MAIN_L3020A <b>CMO</b>
	4951TKS133C	METAL ASSEMBLY, FRAME MAIN <b>CMO_CKD</b>
8	6871TST449A	PWB(PCB) ASSEMBLY, SUB, L3020AL SOUND TOTAL BRAND SPEAKER SUB B/D
9	3550TKK380A	COVER, L3020A CABLE AV
10	6871TPT256B	PWB(PCB) ASSEMBLY, POWER, L3020A POWER TOTAL IPT FOR <b>LPL</b>
	6871TPT256C	PWB(PCB) ASSEMBLY, POWER, L3020A POWER TOTAL IPT FOR <b>CMO</b>
11	3313TL3004E	MAIN TOTAL ASSEMBLY L3020AL BRAND CL-49 <b>-L3020T(LPL)</b>
	3313TL3004L	MAIN TOTAL ASSEMBLY L3020AL BRAND CL-49 <b>-L3020A(LPL)</b>
	3313TL3004M	MAIN TOTAL ASSEMBLY L3020AL BRAND CL-49 <b>-L3020A(CMO)</b>
	3313TL3004P	MAIN TOTAL ASSEMBLY, L3020AL BRAND CL-49 CKD- <b>L3020A(CMO)</b>
12	6871TMT581E	PWB(PCB) ASSEMBLY, MAIN, L3020AL FOR SVC ALUST BRAND CL-49 TOTAL <b>-L3020T(LPL)</b>
	6871TMT581L	PWB(PCB) ASSEMBLY, MAIN, L3020AL FOR SVC ALJPA BRAND CL-49 TOTAL <b>-L3020A(LPL)</b>
	6871TMT581M	PWB(PCB) ASSEMBLY, MAIN, L3020AL FOR SVC AGJPA BRAND CL-49 TOTAL <b>-L3020A(CMO)</b>
13	6871TST446B	PWB(PCB) ASSEMBLY, SUB, L3020AL FOR SVC SUB TOTAL BRAND . <b>-L3020T</b>
14	6871TVT362B	PWB(PCB) ASSEMBLY, VIDEO, L3020AL FOR SVC VIDEO TOTAL BRAND .
15	4815TKK027B	SHIELD ASSEMBLY, REAR _MAIN <b>-L3020T</b>
	4815TKK027D	SHIELD ASSEMBLY, REAR MAIN(NO TV) <b>-L3020A(NTSC)</b>
	4815TKK027E	SHIELD ASSEMBLY, REAR MAIN_L3000H_CKD <b>-L3020A(PAL)</b>
16	3551TKK040A	COVER ASSEMBLY, L3020 REAR 3550TKK377 DECORATION
	3551TKK040B	COVER ASSEMBLY, L3020A REAR 3550TKK377 _DECORATION <b>CKD</b>
17	6852TAZ006B	CORD, A/V, RCA CABLE UL2863 AWG28 3000MM BLACK(9930) DH-3P-N300C LM295B
18	6852TAZ006D	CORD, A/V, DIN CABLE UL 2990-9C(5.5) 1560MM BLACK(9930) DH-150DIN LM295B
19	6852TAZ006J	CORD, A/V, A/V KHC-LG-3-0010 UL 2851 #28-2C 1500MM BLACK(9930) KSD WITH CORE LM295B
20	6850TD9001J	CABLE, D-SUB, UL 2990-9C(7.5) DT 1870MM PEARL WH T541K DM
21	6866TDV004C	CABLE, DVI, UL20276 DT 2000MM GRAY(85964) LB885C DM
22	6852TAZ006C	CORD, A/V, SCART CABLE UL 2863 #25 1500MM GRAY(85964) DH-3P-150SRC LM295B- <b>L3020A(PAL)</b>
23	6710T00003G	REMOTE CONTROLLER, L3020AL ALUST NTSC 30" AV/TV" <b>-L3020T</b>
	6710T00003B	REMOTE CONTROLLER, L2320A NTSC NTSC REMOTE CONTROLLER <b>-L3020A</b>
24	3551TKS047A	COVER ASSEMBLY, L3020A SPEAKER 3551TKS047 SPEAKER ASSY

# REPLACEMENT PARTS LIST

**CAUTION:** BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.

\* NOTE : **S** SAFETY Mark **AL** ALTERNATIVE PARTS

DATE: 2003. 12. 23.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
<b>MAIN BOARD</b>				
<b>CAPACITORS</b>				
		C1	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
		C2	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C3	0CE227BF638	220U KME 16V M FM5 TP5
		C4	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C5	0CK684CK94A	0.68UF 1608 50V 80%,-20% F(Y5
		C6	0CH6102K406	1000PF 50V J SL 2012 R/TP
		C7	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C11	0CC391CK41A	390PF 1608 50V 5% NP0 R/TP
		C16	0CC391CK41A	390PF 1608 50V 5% NP0 R/TP
		C17	0CK152CK51A	1500PF 1608 50V 10% R/TP B(Y5
		C18	0CK152CK51A	1500PF 1608 50V 10% R/TP B(Y5
		C19	0CK473CK56A	47000PF 1608 50V 10% R/TP X7R
		C20	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C24	0CH6331K416	330PF 50V J NP0 2012 R/TP
		C25	0CH6331K416	330PF 50V J NP0 2012 R/TP
		C26	0CH6331K416	330PF 50V J NP0 2012 R/TP
		C27	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C28	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C29	0CK473CK56A	47000PF 1608 50V 10% R/TP X7R
		C33	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C34	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C35	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C36	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C37	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C38	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C39	0CC120CK41A	12PF 1608 50V 5% R/TP NP0
		C40	0CH6152K406	1500PF 50V J SL 2012 R/TP
		C41	0CH3473K946	47000PF 50V Z F 2012 R/TP
		C42	0CC120CK41A	12PF 1608 50V 5% R/TP NP0
		C43	0CC391CK41A	390PF 1608 50V 5% NP0 R/TP
		C44	0CK152CK51A	1500PF 1608 50V 10% R/TP B(Y5
		C45	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C47	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C48	0CH3683K946	68000PF 50V Z F 2012 R/TP
		C49	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C50	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C51	0CE227BF638	220U KME 16V M FM5 TP5
		C52	0CE227BF638	220U KME 16V M FM5 TP5
		C53	0CK683CK56A	0.68UF 1608 50V 10% X7R R/TP
		C54	0CK683CK56A	0.68UF 1608 50V 10% X7R R/TP
		C55	0CK472CK51A	4700PF 1608 50V 10% R/TP B(Y5
		C56	0CK152CK51A	1500PF 1608 50V 10% R/TP B(Y5
		C58	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C59	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C60	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C61	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) S
		C62	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C63	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) S
		C64	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C65	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
		C66	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) S
		C67	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R

DATE: 2003. 12. 23.					
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	
			C68	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C69	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
			C70	0CH6102K406	1000PF 50V J SL 2012 R/TP
			C71	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
			C72	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C73	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C74	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C75	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
			C76	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C77	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C78	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C79	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C80	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C81	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C82	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C83	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C84	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C85	0CK473CK56A	47000PF 1608 50V 10% R/TP X7R
			C86	0CC561CK41A	560PF 1608 50V 5% NP0 R/TP
			C87	0CC821CK41A	820PF 1608 50V 5% R/TP NP0
			C88	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C89	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C90	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C91	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
			C92	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C93	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
			C94	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C95	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
			C96	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
			C97	0CE227BF638	220U KME 16V M FM5 TP5
			C98	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
			C99	0CH3103K516	10000PF 50V 10% B(Y5P) 2012 R
			C100	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) S
			C101	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C103	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C104	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
			C105	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
			C106	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
			C107	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
			C108	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
			C109	0CH3224K946	0.22UF 50V Z F 2012 R/TP
			C110	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
			C111	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
			C112	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
			C113	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
			C114	0CE225BK638	2.2U KME 50V M FM5 TP5
			C115	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
			C116	0CE225BK638	2.2U KME 50V M FM5 TP5
			C118	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
			C119	0CE225BK638	2.2U KME 50V M FM5 TP5
			C120	0CE225BK638	2.2U KME 50V M FM5 TP5
			C121	0CE225BK638	2.2U KME 50V M FM5 TP5
			C122	0CH3224K946	0.22UF 50V Z F 2012 R/TP
			C123	0CE225BK638	2.2U KME 50V M FM5 TP5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
			C124	0CH3105H946 1UF 25V 80%,-20% F(Y5V) 2012
			C125	0CE336BH638 33UF KME 25V M FM5 TP5
			C126	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C127	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C128	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C129	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C130	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C131	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C132	0CH3103K516 10000PF 50V 10% B(Y5P) 2012 R
			C134	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C135	0CK224CF56A 0.22UF 1608 16V 10% R/TP X7R
			C136	0CE227BF638 220U KME 16V M FM5 TP5
			C136	0CE107EF638 100UF KMG 16V M FM5 TP5 -(L3020A-PAL)
			C137	0CE227BF638 220U KME 16V M FM5 TP5
			C139	0CH3103K516 10000PF 50V 10% B(Y5P) 2012 R
			C141	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C142	0CH8476F691 47UF 16V 20% 105STD (CYL) R/T
			C143	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C144	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C145	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C146	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C147	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C148	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C150	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C153	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C154	0CE476VC6DC 47UF MV 6.3V 20% R/TP(SMD) SM
			C155	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C157	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C158	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C159	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C160	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C161	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C162	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C163	0CH3474H946 0.47UF 25V 80%,-20% F(Y5V) 20
			C164	0CH6471K416 470F 50V J NP0 2012 R/TP
			C165	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C166	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C167	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C168	0CH3224K946 0.22UF 50V Z F 2012 R/TP
			C179	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C180	0CE106VK6DC 10UF MV 50V 20% R/TP(SMD) SMD
			C184	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C202	0CC331CK41A 330PF 1608 50V 5% R/TP NP0
			C203	0CK473CK56A 47000PF 1608 50V 10% R/TP X7R
			C205	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C206	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C207	0CC331CK41A 330PF 1608 50V 5% R/TP NP0
			C208	0CK473CK56A 47000PF 1608 50V 10% R/TP X7R
			C209	0CC331CK41A 330PF 1608 50V 5% R/TP NP0
			C210	0CK473CK56A 47000PF 1608 50V 10% R/TP X7R
			C211	0CC331CK41A 330PF 1608 50V 5% R/TP NP0
			C212	0CC180CK41A 18PF 1608 50V 5% R/TP NP0
			C213	0CH8106F691 10UF 16V 20% 105STD (CYL) R/T
			C214	0CC180CK41A 18PF 1608 50V 5% R/TP NP0
			C216	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C217	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C218	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C221	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C252	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C259	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C267	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C284	0CC101CK41A 100PF 1608 50V 5% R/TP NP0

DATE: 2003. 12. 23.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
			C285	0CC101CK41A 100PF 1608 50V 5% R/TP NP0
			C286	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C287	0CH6201K416 200PF 50V J NP0 2012 R/TP
			C288	0CH6201K416 200PF 50V J NP0 2012 R/TP
			C289	0CH6102K406 1000PF 50V J SL 2012 R/TP
			C290	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C291	0CC561CK41A 560PF 1608 50V 5% NP0 R/TP
			C292	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C293	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C294	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C295	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C296	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C301	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C303	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C304	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C306	0CC560CK41A 56PF 1608 50V 5% R/TP NP0
			C307	0CC330CK41A 33PF 1608 50V 5% R/TP NP0
			C310	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C311	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C314	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C315	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C316	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C317	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C330	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C333	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C334	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C335	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C337	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C338	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C339	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C340	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C341	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C342	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C343	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C345	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C346	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C347	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C348	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C349	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C350	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C351	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C352	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C353	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C354	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C355	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C356	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C357	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C358	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C359	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C360	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C361	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C362	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C363	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C364	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C365	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C369	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C370	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C401	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C402	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C403	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C404	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C405	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5

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		C406	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C407	0CH8226F691	22UF 16V 20% 105STD (CYL) R/T
		C408	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C409	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C410	0CE335EK638	3.3UF KMG 50V M FM5 TP 5
		C4101	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C411	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C412	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C413	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C414	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C415	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C416	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C417	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C418	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C420	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C427	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C428	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C429	0CC150CK41A	15PF 1608 50V 5% R/TP NP0
		C435	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C459	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C460	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C461	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C462	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C463	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C464	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C467	0CH3105H946	1UF 25V 80%,-20% F(Y5V) 2012
		C468	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C469	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C470	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C471	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C472	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C473	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C474	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C475	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C476	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C477	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C478	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C479	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C480	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C481	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C482	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C483	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C484	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C487	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C488	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C489	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C490	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C491	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C492	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C493	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C494	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C495	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C496	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C497	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C498	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C499	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C501	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C502	0CE475EK638	4.7UF KMG 50V 20% FM5 TP 5
		C503	0CE227BF638	220U KME 16V M FM5 TP5
		C504	0CE227BF638	220U KME 16V M FM5 TP5
		C505	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C508	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP

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		C509	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C510	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C512	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C513	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C514	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C515	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C516	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C517	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C518	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C519	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C520	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C522	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C523	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C524	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
		C525	0CE476EK638	47UF KMG 50V M FM5 TP 5
		C526	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C527	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C528	0CH8476F691	47UF 16V 20% 105STD (CYL) R/T
		C531	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C540	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C541	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C542	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C543	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C544	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C545	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C546	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C547	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C548	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7R
		C549	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C550	0CE476EK638	47UF KMG 50V M FM5 TP 5
		C551	0CK472CK51A	4700PF 1608 50V 10% R/TP B(Y5
		C552	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C553	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C554	0CK472CK51A	4700PF 1608 50V 10% R/TP B(Y5
		C556	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C557	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP N
		C558	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
		C559	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
		C560	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
		C561	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP N
		C562	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C565	0CH8476F691	47UF 16V 20% 105STD (CYL) R/T
		C566	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C568	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C569	0CK472CK51A	4700PF 1608 50V 10% R/TP B(Y5
		C570	0CK472CK51A	4700PF 1608 50V 10% R/TP B(Y5
		C571	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C572	0CH8476F691	47UF 16V 20% 105STD (CYL) R/T
		C573	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C574	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C576	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C577	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y5
		C578	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C579	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C580	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C581	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C582	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C583	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C584	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C585	0CK474CH94A	0.47UF 1608 25V 80%,-20% R/TP
		C586	0CH8106F691	10UF 16V 20% 105STD (CYL) R/T
		C587	0CE476EK638	47UF KMG 50V M FM5 TP 5

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			C588	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C589	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C590	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C591	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C592	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C593	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C594	0CK105CF94A 1UF 1608 16V 80%,-20% R/TP F(
			C598	0CK474CH94A 0.47UF 1608 25V 80%,-20% R/TP
			C599	0CK474CH94A 0.47UF 1608 25V 80%,-20% R/TP
			C601	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C602	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C604	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C605	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C606	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C607	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C608	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C609	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C610	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C611	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C612	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C613	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C615	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C616	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C618	0CE227BF638 220U KME 16V M FM5 TP5
			C620	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C621	0CH3103K516 10000PF 50V 10% B(Y5P) 2012 R
			C622	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C623	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C624	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C625	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C626	0CE477EF638 470UF KMG 16V M FM5 TP 5
			C628	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C629	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C631	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C632	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C633	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C635	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C637	0CH8226F691 22UF 16V 20% 105STD (CYL) R/T
			C639	0CK103CK51A 0.01UF 1608 50V 10% R/TP B(Y5
			C640	0CE107WF6DC 100UF MVK 16V 20% R/TP(SMD) S
			C641	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C642	0CH8226F691 22UF 16V 20% 105STD (CYL) R/T
			C644	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C645	0CE227BF638 220U KME 16V M FM5 TP5
			C648	0CE227BF638 220U KME 16V M FM5 TP5
			C649	0CH8226F691 22UF 16V 20% 105STD (CYL) R/T
			C650	0CH8476K611 47UF 50V 20% 85STD (CYL) R/TP
			C651	0CH8476K611 47UF 50V 20% 85STD (CYL) R/TP
			C652	0CE227BF638 220U KME 16V M FM5 TP5
			C653	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C654	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C655	0CE227BF638 220U KME 16V M FM5 TP5
			C657	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C660	0CE227BF638 220U KME 16V M FM5 TP5
			C669	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C670	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C671	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C672	0CK104CK56A 0.1UF 1608 50V 10% R/TP X7R
			C673	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C675	0CH8106J691 10UF 35V 20% 105STD (CYL) R/T
			C680	0CE476EK638 47UF KMG 50V M FM5 TP 5
			C690	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
			C691	0CE227BF638 220U KME 16V M FM5 TP5
			C692	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C693	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C694	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C701	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C702	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C703	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C705	0CH6100K116 10PF 50V D NP0 2012 R/TP
			C706	0CH6100K116 10PF 50V D NP0 2012 R/TP
			C707	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C708	0CH3105F946 1UF 16V Z F 2012 R/TP
			C709	0CH3105F946 1UF 16V Z F 2012 R/TP
			C710	0CH3105F946 1UF 16V Z F 2012 R/TP
			C711	0CH3105F946 1UF 16V Z F 2012 R/TP
			C712	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C714	0CE106CK610 10UF SHL,SD 50V 20% BULK FL
			C715	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C716	0CE107CF610 100UF SHL,SD 16V 20% BULK FL
			C717	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C718	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C719	0CH3104K566 0.1UF 50V 10% X7R 2012 R/TP
			C803	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C804	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C807	220UF 10V 20% 105STD (CYL) R/
			C808	0CH8227D691 220UF 10V 20% 105STD (CYL) R/
			C809	0CH8227D691 220UF 10V 20% 105STD (CYL) R/
			C812	0CC331CK41A 330PF 1608 50V 5% R/TP NP0
			C814	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C815	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C816	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C817	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C5003	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
			C5004	0CC471CK41A 470PF 1608 50V 5% R/TP NP0
DIODEs				
			D101	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D102	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D111	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D112	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D113	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D114	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D115	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D121	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D122	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D123	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D124	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D125	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D128	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D130	0DS301109AA MMBD301LT1 TP MOTOROLA SOT23
			D131	0DS301109AA MMBD301LT1 TP MOTOROLA SOT23
			D132	0DS301109AA MMBD301LT1 TP MOTOROLA SOT23
			D501	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D502	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D601	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D603	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D701	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D702	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D703	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D801	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D802	0DS226009AA KDS226 TP KEC SOT-23 80V 300
			D803	0DS226009AA KDS226 TP KEC SOT-23 80V 300

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ZD101	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD102	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD103	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD104	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD105	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD106	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD107	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD108	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD117	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD118	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD401	0DZ910009FE	UDZS 9.1B TP ROHM - - 9.1V -
		ZD402	0DZ910009FE	UDZS 9.1B TP ROHM - - 9.1V -
		ZD403	0DZ910009FE	UDZS 9.1B TP ROHM - - 9.1V -
		ZD501	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD502	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD503	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD504	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD505	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD506	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD601	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 2
		ZD701	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD702	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD703	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 2
		ZD704	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323 2
		ZD705	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD801	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD802	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD803	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD804	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD805	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD806	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD807	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD808	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD809	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD810	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD811	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD812	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD813	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD814	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD815	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
<b>ICs</b>				
		U1	0IIT323000E	VPC3230D C5 80P QFP TRAY VIDE
		U2	0IPMGKE036A	KIA78DL09F KEC DPARK R/TP 9V
		U3	0ISO204000A	CXA2040AQ 32P,QFP BK IIC BUS
		U4	0IPMGFA003B	RC1117S-2.5 FAIRCHILD SOT-223
		U5	0IFA111733A	RC1117S-33 SOT-223 TP 1A 3.3V
		U6	0IIMMRNE002A	UPD64083GF3BA NEC 100 QFP ST
		U8	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULATO
		U103	0IRH765700B	BA7657F 24P,SOP TP INPUT SIG.
		U107	0ISS524202B	S524A40X21(SCT0) SAMSUNG ELEC
		U108	0ISS524202B	S524A40X21(SCT0) SAMSUNG ELEC
		U110	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U111	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U112	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U113	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U114	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U115	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U116	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U117	0DRCE00018A	PACDN004 CAMD R/TP SOT143 5V
		U201	0IFA754207A	KA75420ZTA(KA7542ZTA) 3P,TO-9 <b>-(LPL)</b>

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		U202	0IZZTSZ302A	MITSUBISHI 52P SDIP ST V-CHIP <b>-(LPL)</b>
		U301	0IMCRGN001B	FLI2310BC GENESIS 208P PQFP T
		U302	0IMMRHY033A	HY57V643220C(L)T-6 HYNIX 86P
		U401	0IMMRHY051A	HY5DU283222AQ-4 HYNIX 100P,LQ
		U402	0IPRPGN011A	GM1501 GENESIS 406P, TRAY UXG
		U403	0IZZTSZ301A	MACRONIX 32 PIN PLCC ST FLASH <b>-(LPL (L3020T))</b>
		U403	0IZZTSZ301G	MACRONIX 32 PIN PLCC ST FLASH <b>-(LPL (L3020A-NTSC))</b>
		U403	0IZZTSZ301H	MACRONIX 32 PIN PLCC ST FLASH <b>-(CMO (L3020A-NTSC))</b>
		U403	0IZZTSZ301K	MACRONIX 32 PIN PLCC ST FLASH <b>-(CMO (L3020A-PAL))</b>
		U404	0IMMRS040C	S524A60X51(SCT0) SAMSUNG ELEC
		U407	0ISTLFA058A	74F14SCX FAIRCHILD 14P,SOIC R
		U501	0IPRPTI034A	TPA6110 TEXAS INSTRUMENT 8P,S
		U503	0IPRPMN001B	MSP3420G-C12-001 MICRONAS 80P
		U504	0IPRPTI015A	MAX232DR TEXAS INSTRUMENT 16P
		U505	0IPRPTI036A	TPA3004D2PHPR TEXAS INSTRUMEN
		U601	0ISS358000D	KA358D-TF OP AMP SMD REEL:3K
		U602	0ISS780500H	KA78M05-R 3P,D-PAK TP 5V 0.5A
		U603	0TFIR80009B	IRF7316 INTERNATIONAL RECTIFI
		U604	0TFIR80009A	INTERNATIONAL RECTIFIER IRF73
		U605	0INS317000E	LM317EMPX SOT-223 TP REGULATO
		U606	0ISS780800J	KA78M08R 3P,D-PAK TP VOL. REG
		U607	0INS317000E	LM317EMPX SOT-223 TP REGULATO
		U608	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULATO
		U609	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULATO
		U610	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULATO
		U612	0IPMGSG020A	LD1117DT18TR SGS-THOMSON 3P,D
		U702	6700NF0004B	TAFH-H001P LG INOTEK NTSC FS <b>-(LPL)</b>
<b>COILS &amp; COREs</b>				
		L1	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L2	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L3	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L4	6200J00011A	H354LAI-K5202 TOKO R/TP BAND
		L5	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L6	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L7	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L8	6210TCE001S	HU-1M2012-121 CERATECH 2012MM
		L9	6210TCE001S	HU-1M2012-121 CERATECH 2012MM
		L10	0LC2000005F	F1-C2012-562-KJT CERATECH R/T
		L11	6200J00011A	H354LAI-K5202 TOKO R/TP BAND
		L12	6200J00011A	H354LAI-K5202 TOKO R/TP BAND
		L13	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L14	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L15	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L16	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L17	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L18	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L19	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L20	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L21	6210TCE001Z	HH-1M2012-600JT CERATEC R/TP
		L22	6210TCE001E	HB-1M2012-800JT CERATEC 2012M
		L23	6210TCE001E	HB-1M2012-800JT CERATEC 2012M
		L101	6210TCE001A	HH-1S2012-080JT CERATEC 2012M
		L102	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L103	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L104	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L107	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L115	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L116	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L201	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L202	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L203	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L204	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
		L208	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L301	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L302	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L303	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L305	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L307	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L308	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L401	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L402	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L403	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L404	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L405	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L406	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L407	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L408	6210TCE001Y	HB-1H2012-320JT CERATEC 2012M
		L509	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L512	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L513	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L514	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L515	0RH0000D622	0 1/10W P-TYPE TAPPING
		L516	0RH0000D622	0 1/10W P-TYPE TAPPING
		L517	0RH0000D622	0 1/10W P-TYPE TAPPING
		L518	0RH0000D622	0 1/10W P-TYPE TAPPING
		L519	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L520	6210TCE001H	HB-1T2012-301JT CERATEC 2012M
		L521	6210TCE001H	HB-1T2012-301JT CERATEC 2012M
		L603	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L604	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L605	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L606	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L607	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L608	6210TCE001H	HB-1T2012-301JT CERATEC 2012M
		L609	6210TCE001H	HB-1T2012-301JT CERATEC 2012M
		L614	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L615	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L616	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L619	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L620	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L625	6210TCE001G	HH-1M3216-501 CERATEC 3216MM-(CMO)
		L626	6210TCE001G	HH-1M3216-501 CERATEC 3216MM-(CMO)
		L627	6210TCE001G	HH-1M3216-501 CERATEC 3216MM-(LPL)
		L628	6210TCE001G	HH-1M3216-501 CERATEC 3216MM-(LPL)
		L701	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L702	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L801	0RH0000D622	0 1/10W P-TYPE TAPPING
		L802	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L803	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L804	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L805	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L806	0RH0000D622	0 1/10W P-TYPE TAPPING
		L807	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L808	6210TCE001P	HB-1S2012-121JT CERATECH 2012
		L809	0LC2000005D	F1-B2012-332KJT,3.3 UH CERATE
<b>TRANSISTOR</b>				
		Q1	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC --
		Q2	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC --
		Q3	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC --
		Q4	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		Q5	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q9	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC --
		Q10	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q11	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q14	0TR390609FA	KST3906-MTF TP SAMSUNG SOT23
		Q45	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q46	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q48	0TR390609FA	KST3906-MTF TP SAMSUNG SOT23
		Q49	0TR390609FA	KST3906-MTF TP SAMSUNG SOT23
		Q101	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q102	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q201	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q202	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q203	0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP
		Q401	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q402	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q403	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q404	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLT
		Q405	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q406	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q407	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q503	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VOLT
		Q504	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q505	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q506	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q507	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q508	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q601	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q602	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q603	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q604	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q605	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q606	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NPN
		Q701	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC --
		Q702	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC --
		Q703	0TR102009AJ	KRC102S NPN SOT-23 TP KEC
<b>RESISTORS</b>				
		R1	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R2	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R3	0RJ5601D477	5.6K OHM 1/10 W 1% 1608 R/TP
		R4	0RJ6800D677	680 OHM 1/10 W 5% 1608 R/TP
		R5	0RJ6800D677	680 OHM 1/10 W 5% 1608 R/TP
		R6	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R7	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R8	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R11	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R13	0RJ2000D677	200 OHM 1/10 W 5% 1608 R/TP
		R14	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R15	0RJ2000D677	200 OHM 1/10 W 5% 1608 R/TP
		R18	0RJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R19	0RJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R20	0RJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R21	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R23	0RH0000D622	0 1/10W P-TYPE TAPPING
		R24	0RH0222D622	22 OHM 1 / 10 W 2012 5.00% D
		R25	0RH0222D622	22 OHM 1 / 10 W 2012 5.00% D
		R26	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R27	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R28	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R30	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R32	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R33	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R35	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R38	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R39	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R44	0RJ5601D477	5.6K OHM 1/10 W 1% 1608 R/TP
		R47	0RJ6800D677	680 OHM 1/10 W 5% 1608 R/TP
		R48	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R49	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R50	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R51	0RJ2203D677	220K OHM 1/10 W 5% 1608 R/TP
		R52	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R53	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R54	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R55	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R56	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R57	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R58	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R59	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R61	0RJ3600D477	360 OHM 1/10 W 1% 1608 R/TP
		R62	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R63	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R64	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R66	0RH0000D622	0 1/10W P-TYPE TAPPING
		R67	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R68	0RJ6800D677	680 OHM 1/10 W 5% 1608 R/TP
		R76	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R77	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R78	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R79	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R80	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R81	0RH2200D622	220 1/10W 5 D.R/TP
		R82	0RH2200D622	220 1/10W 5 D.R/TP
		R86	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R90	0RJ6802D677	68K OHM 1/10 W 5% 1608 R/TP
		R91	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R92	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R101	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R102	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R103	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R104	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R105	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R106	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R107	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R108	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R109	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R110	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R111	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R112	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R113	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R114	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R115	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R117	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R118	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R119	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R120	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R121	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R122	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R123	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R124	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R126	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/TP
		R127	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R128	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R129	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R130	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R131	0RJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R132	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R133	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R136	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/TP
		R137	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R138	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R139	0RH0912D622	91 1/10W 5 D.R/TP
		R140	0RH0912D622	91 1/10W 5 D.R/TP
		R141	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R142	0RH0912D622	91 1/10W 5 D.R/TP
		R143	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R146	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R147	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R148	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R149	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R152	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R153	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R155	0RH1802D622	18K 1/10W 5 D.R/TP
		R156	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R157	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R158	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R162	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R163	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R164	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R165	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R166	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R167	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R168	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R178	0RH2001D622	2.0K 1/10W 5 D.R/TP
		R179	0RH6802D622	68K 1/10W 5 D.R/TP
		R181	0RH4703D622	470K 1/10W 5 D.R/TP
		R182	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R183	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R184	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R185	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R186	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R187	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R188	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R189	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R196	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R197	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R198	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R225	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R226	0RJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R227	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R229	0RJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R230	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R231	0RJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R232	0RJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R233	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R234	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R240	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R241	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R242	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R251	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R252	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R261	0RJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R262	0RJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R263	0RJ0822D677	82 OHM 1/10 W 5% 1608 R/TP



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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R264	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R266	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R268	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R269	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R271	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R272	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R273	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R274	0RJ1004D677	1000000 OHM 1/10 W 5% 1608 R/
		R275	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R276	0RH0000D622	0 1/10W P-TYPE TAPPING
		R280	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R282	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R301	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R302	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R303	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R306	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R307	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R341	0RJ4703D677	470K OHM 1/10 W 5% 1608 R/TP
		R347	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R348	0RH4701D622	4.7K 1/10W 5 D.R/TP
		R350	0RH0000D622	0 1/10W P-TYPE TAPPING
		R351	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R352	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R357	0RH1000D622	100 1/10W 5 D.R/TP
		R358	0RH1001D622	1K OHM 1 / 10 W 2012 5.00% D
		R370	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R371	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R401	0RH1002D422	10000 OHM 1 / 10 W 1% D R/TP
		R402	0RH1002D422	10000 OHM 1 / 10 W 1% D R/TP
		R403	0RH1500D622	150 1/10W 5 D.R/TP
		R404	0RH0000D622	0 1/10W P-TYPE TAPPING
		R405	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R406	0RH0000D622	0 1/10W P-TYPE TAPPING
		R408	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R409	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R410	0RJ2700D477	270 OHM 1/10 W 1% 1608 R/TP
		R411	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R412	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R413	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R414	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R415	0RH0000D622	0 1/10W P-TYPE TAPPING
		R418	0RH0000D622	0 1/10W P-TYPE TAPPING
		R419	0RH0000D622	0 1/10W P-TYPE TAPPING
		R422	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R423	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R424	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R425	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R426	0RH2701D622	2.7K 1/10W 5 D.R/TP
		R427	0RH0000D622	0 1/10W P-TYPE TAPPING
		R428	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R430	0RH1002D622	10K OHM 1 / 10 W 2012 5.00% D
		R431	0RH3301D622	3.3K 1/10W 5 D.R/TP
		R434	0RH0000D622	0 1/10W P-TYPE TAPPING
		R435	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R436	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R440	0RH3301D622	3.3K 1/10W 5 D.R/TP
		R441	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R442	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R443	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R445	0RH0000D622	0 1/10W P-TYPE TAPPING
		R446	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R447	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R448	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R450	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R451	0RH0000D622	0 1/10W P-TYPE TAPPING
		R453	0RH4700D622	470 1/10W 5 D.R/TP
		R457	0RH3302D622	33K 1/10W 5 D.R/TP
		R458	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP <b>-(CMO)</b>
		R463	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R469	0RH0000D622	0 1/10W P-TYPE TAPPING
		R470	0RH0000D622	0 1/10W P-TYPE TAPPING
		R471	0RH0000D622	0 1/10W P-TYPE TAPPING
		R473	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R478	0RH0000D622	0 1/10W P-TYPE TAPPING
		R479	0RH0000D622	0 1/10W P-TYPE TAPPING
		R480	0RH0000D622	0 1/10W P-TYPE TAPPING
		R485	0RH0000D622	0 1/10W P-TYPE TAPPING
		R486	0RH0000D622	0 1/10W P-TYPE TAPPING
		R487	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R488	0RH0000D622	0 1/10W P-TYPE TAPPING
		R489	0RH0000D622	0 1/10W P-TYPE TAPPING
		R490	0RH0000D622	0 1/10W P-TYPE TAPPING
		R491	0RH0000D622	0 1/10W P-TYPE TAPPING
		R492	0RH0000D622	0 1/10W P-TYPE TAPPING
		R493	0RH0000D622	0 1/10W P-TYPE TAPPING
		R494	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R495	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R496	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R497	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R501	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R502	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R503	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R504	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R505	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R507	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R510	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R512	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R513	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R514	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R515	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R517	0RJ5601D477	5.6K OHM 1/10 W 1% 1608 R/TP
		R518	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R519	0RH0000D622	0 1/10W P-TYPE TAPPING
		R520	0RJ1802D677	18K OHM 1/10 W 5% 1608 R/TP
		R522	0RJ2402D677	24K OHM 1/10 W 5% 1608 R/TP
		R523	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R524	0RH0000D622	0 1/10W P-TYPE TAPPING
		R525	0RJ2402D677	24K OHM 1/10 W 5% 1608 R/TP
		R526	0RH0000D622	0 1/10W P-TYPE TAPPING
		R527	0RJ2702D477	27K OHM 1/10 W 1% 1608 R/TP
		R528	0RH0000D622	0 1/10W P-TYPE TAPPING
		R529	0RJ2402D677	24K OHM 1/10 W 5% 1608 R/TP
		R530	0RJ1203D677	120K OHM 1/10 W 5% 1608 R/TP
		R531	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R532	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R533	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R534	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R535	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R536	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R537	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R538	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R539	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R546	0RJ4703D677	470K OHM 1/10 W 5% 1608 R/TP
		R547	0RJ4703D677	470K OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
			R548	0RJ3302D677 33K OHM 1/10 W 5% 1608 R/TP
			R549	0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP
			R550	0RJ3302D677 33K OHM 1/10 W 5% 1608 R/TP
			R551	0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP
			R552	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R553	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R556	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R557	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R558	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R560	0RJ1203D677 120K OHM 1/10 W 5% 1608 R/TP
			R561	0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP
			R562	0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP
			R563	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R564	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R565	0RJ3302D677 33K OHM 1/10 W 5% 1608 R/TP
			R566	0RJ3302D677 33K OHM 1/10 W 5% 1608 R/TP
			R567	0RJ2702D677 27K OHM 1/10 W 5% 1608 R/TP
			R568	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R569	0RJ3301D677 3.3K OHM 1/10 W 5% 1608 R/TP
			R570	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R579	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R581	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R583	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R585	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R586	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R587	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R588	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R592	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R593	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R595	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R597	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R598	0RH1000D622 100 1/10W 5 D.R/TP
			R599	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R601	0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP
			R602	0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP
			R604	0RJ3301D677 3.3K OHM 1/10 W 5% 1608 R/TP
			R605	0RJ3301D677 3.3K OHM 1/10 W 5% 1608 R/TP
			R606	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R610	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R611	0RJ6800D677 680 OHM 1/10 W 5% 1608 R/TP
			R613	0RH3301D622 3.3K 1/10W 5 D.R/TP
			R615	0RJ3301D677 3.3K OHM 1/10 W 5% 1608 R/TP
			R616	0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP
			R617	0RJ1802D677 18K OHM 1/10 W 5% 1608 R/TP
			R618	0RJ1802D677 18K OHM 1/10 W 5% 1608 R/TP
			R620	0RJ1802D677 18K OHM 1/10 W 5% 1608 R/TP
			R621	0RJ1802D677 18K OHM 1/10 W 5% 1608 R/TP
			R622	0RJ1802D677 18K OHM 1/10 W 5% 1608 R/TP
			R630	0RJ3301D677 3.3K OHM 1/10 W 5% 1608 R/TP
			R631	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP <b>-(LPL)</b>
			R632	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP <b>-(CMO)</b>
			R633	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R634	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R635	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			R636	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R645	0RJ4700D677 470 OHM 1/10 W 5% 1608 R/TP
			R646	0RJ4700D677 470 OHM 1/10 W 5% 1608 R/TP
			R647	0RJ4700D677 470 OHM 1/10 W 5% 1608 R/TP
			R648	0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP
			R655	0RH3301D622 3.3K 1/10W 5 D.R/TP
			R656	0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP
			R701	0RH0000D622 0 1/10W P-TYPE TAPPING

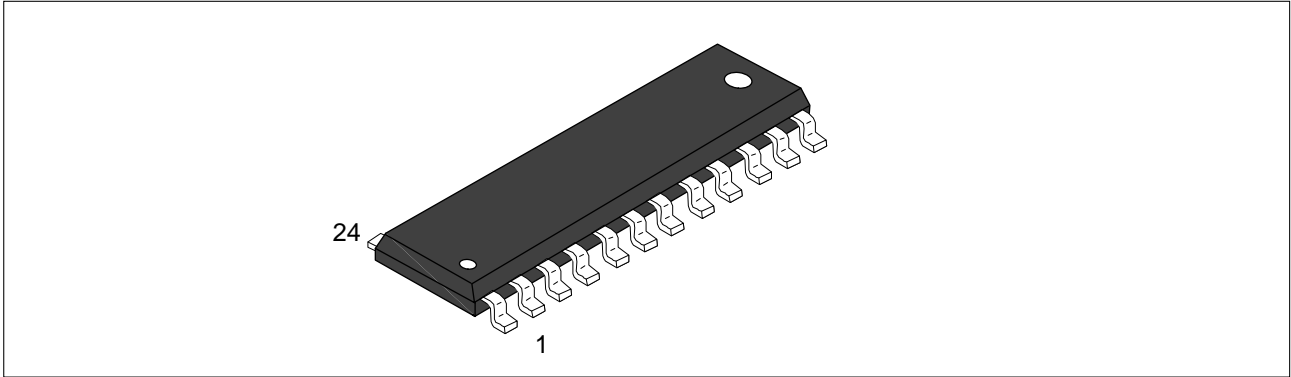
DATE: 2003. 12. 23.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
			R702	0RH0000D622 0 1/10W P-TYPE TAPPING
			R703	0RH1001D622 1K OHM 1 / 10 W 2012 5.00% D
			R705	0RH2703D622 270K 1/10W 5 D.R/TP
			R706	0RH1502D622 15K 1/10W 5 D.R/TP
			R707	0RH1001D622 1K OHM 1 / 10 W 2012 5.00% D
			R708	0RH0102D622 10 1/10W 5 D.R/TP
			R709	0RH1001D622 1K OHM 1 / 10 W 2012 5.00% D
			R710	0RH1100D622 110 OHM 1 / 10 W 5% D R/TP
			R711	0RH1000D622 100 1/10W 5 D.R/TP
			R712	0RH1000D622 100 1/10W 5 D.R/TP
			R713	0RH4701D622 4.7K 1/10W 5 D.R/TP
			R716	0RH0102D622 10 1/10W 5 D.R/TP
			R717	0RH0102D622 10 1/10W 5 D.R/TP
			R719	0RH1000D622 100 1/10W 5 D.R/TP
			R720	0RH1000D622 100 1/10W 5 D.R/TP
			R721	0RH1000D622 100 1/10W 5 D.R/TP
			R801	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R802	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R803	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R804	0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP
			R805	0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP
			R806	0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP
			R807	0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP
			R808	0RJ5101D677 5.1K OHM 1/10 W 5% 1608 R/TP
			R809	0RJ5101D677 5.1K OHM 1/10 W 5% 1608 R/TP
			R810	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R811	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R812	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R813	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R814	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R815	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R816	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R817	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R818	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R819	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R820	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R821	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R822	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R823	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R824	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R825	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R826	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R827	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R828	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R829	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R830	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R831	0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP
			R832	0RJ4703D677 470K OHM 1/10 W 5% 1608 R/TP
			R4001	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R4002	0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP
			R4006	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R5001	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R5002	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R5003	0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP
			R5004	0RH1002D622 10K OHM 1 / 10 W 2012 5.00% D
			R5005	0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP
			RA1	0RHZTCZ001G RCA SMART 0OHM 1/16 W 5% 3216
			RA2	0RHZTCZ001G RCA SMART 0OHM 1/16 W 5% 3216
			RA3	0RHZTCZ001G RCA SMART 0OHM 1/16 W 5% 3216
			RA4	0RHZTCZ001G RCA SMART 0OHM 1/16 W 5% 3216
			RA301	0RHZTCZ001D RCA86TRJ22R0 SMART 22OHM 1/16
			RA302	0RHZTCZ001D RCA86TRJ22R0 SMART 22OHM 1/16

DATE: 2003. 12. 23.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		RA303	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA304	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA305	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA306	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA307	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA308	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA309	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA310	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA311	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA312	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA313	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA314	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA315	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA316	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA317	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA318	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA401	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA402	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA403	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA404	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA405	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA406	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA407	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA408	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA409	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA410	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
		RA411	0RHZTCZ001D	RCA86TRJ22R0 SMART 22OHM 1/16
<b>OTHERS</b>				
		J806	6612F00006E	KJA-PH-3-0032 KSD 3.5PHI 14P
		J807	6612F00025E	PPJ122AM PARK ELEC. RCA 6P GN
		J808	6612F00025G	PPJ121AM PARK ELEC. RCA 4P RD
		J809	6612F00025F	PPJ122YM PARK ELEC. RCA 6P YL
		J810	6612F00024A	PSJ007A PARK ELEC. LM805L
		X1	6202TST003C	HC-49/SM5H KONY CHIP 20.25MHZ
		X2	6212AA2004B	HC-49U TXC 20.0MHZ +/- 30 PPM
		X201	6212AB2018A	SX-1 SUNNY 8.0MHZ +/- 30 PPM
		X301	6202TST003H	HC-49S KONY 13.5MHZ +/- 30 PP
		X401	6202TST001A	SX-1 SUNNY ,SMS, 14.31818MHZ
		X501	6202TST003B	HC-49/SM5H KONY CHIP 18.432MH
<b>CONTROL BOARD</b>				
		SW10	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW2	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW4	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW5	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW6	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW7	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW8	140-058B	EVQ PB2 05K MATUSHITA NON 12
		SW9	140-058B	EVQ PB2 05K MATUSHITA NON 12
		LED1	0DLLT0089AA	LITEON LTL-1BEDJ-0C2 TP GREEN
		U1	6726TV0001A	TSOP4838SO1 VISHAY 38.0KHZ H
		C2	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C3	0CK105CF94A	1UF 1608 16V 80%,-20% R/TP F(
		C4	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C5	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		L1	6210TCE001H	HB-1T2012-301JT CERATEC 2012M
		R1	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP
		R10	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R2	0RJ0562D677	56 OHM 1/10 W 5% 1608 R/TP

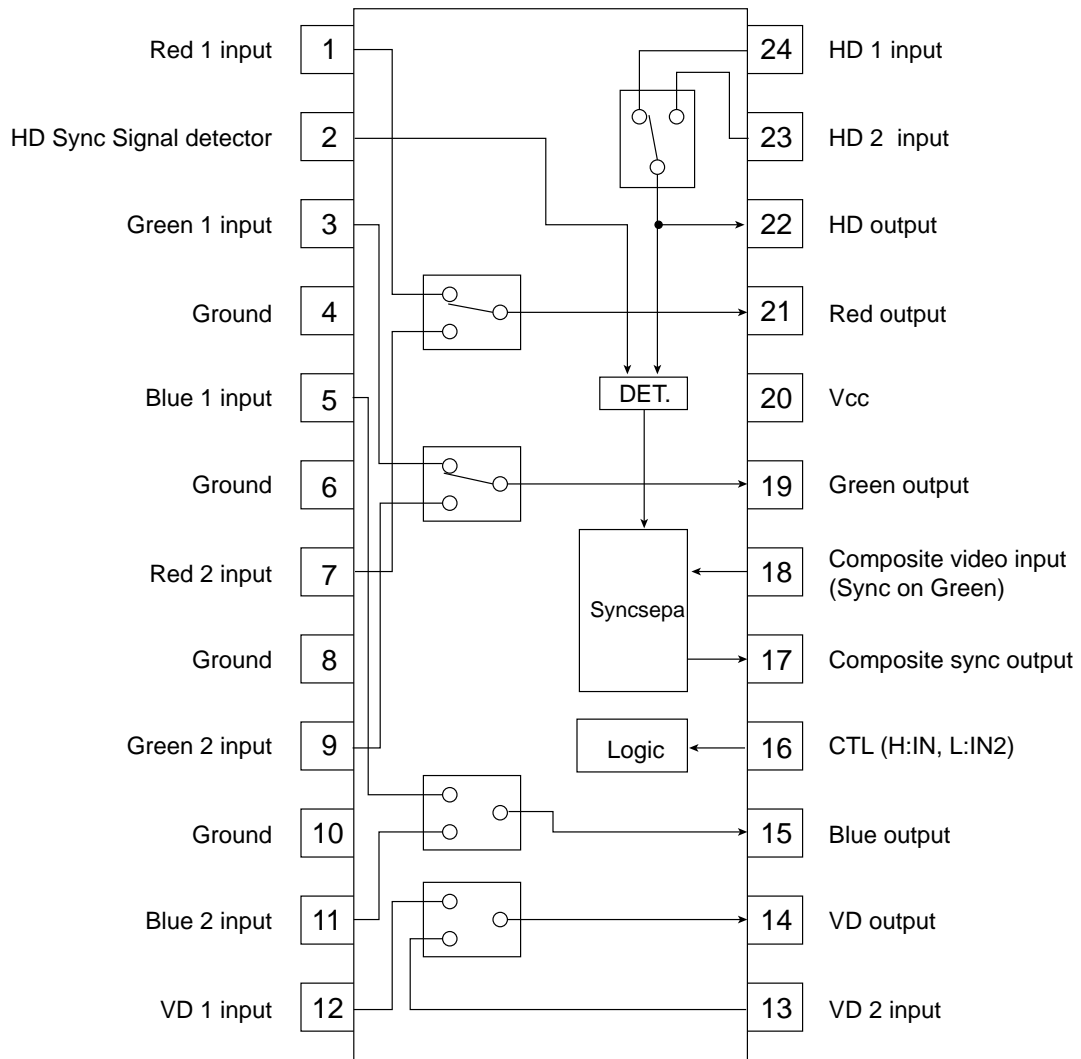
DATE: 2003. 12. 23.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R3	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R4	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R5	0RJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R6	0RJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R7	0RJ1501D677	1.5K OHM 1/10 W 5% 1608 R/TP
		R8	0RJ1501D677	1.5K OHM 1/10 W 5% 1608 R/TP
		R9	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		ZD1	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD2	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD4	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
		ZD5	0DZ560009DA	UDZ S 5.6B TP ROHM-K SOD323 2
<b>SOUND BOARD</b>				
		J802	6612J00033C	SP024B4M PARK ELEC. 4P SPK TE
		C801	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C802	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C803	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C804	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C805	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C806	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		L801	6140TBZ007F	SLF12575T-220M4R0-L,TDK SMD C
		L802	6140TBZ007F	SLF12575T-220M4R0-L,TDK SMD C
		L803	6140TBZ007F	SLF12575T-220M4R0-L,TDK SMD C
		L804	6140TBZ007F	SLF12575T-220M4R0-L,TDK SMD C

# PIN CONFIGURATION

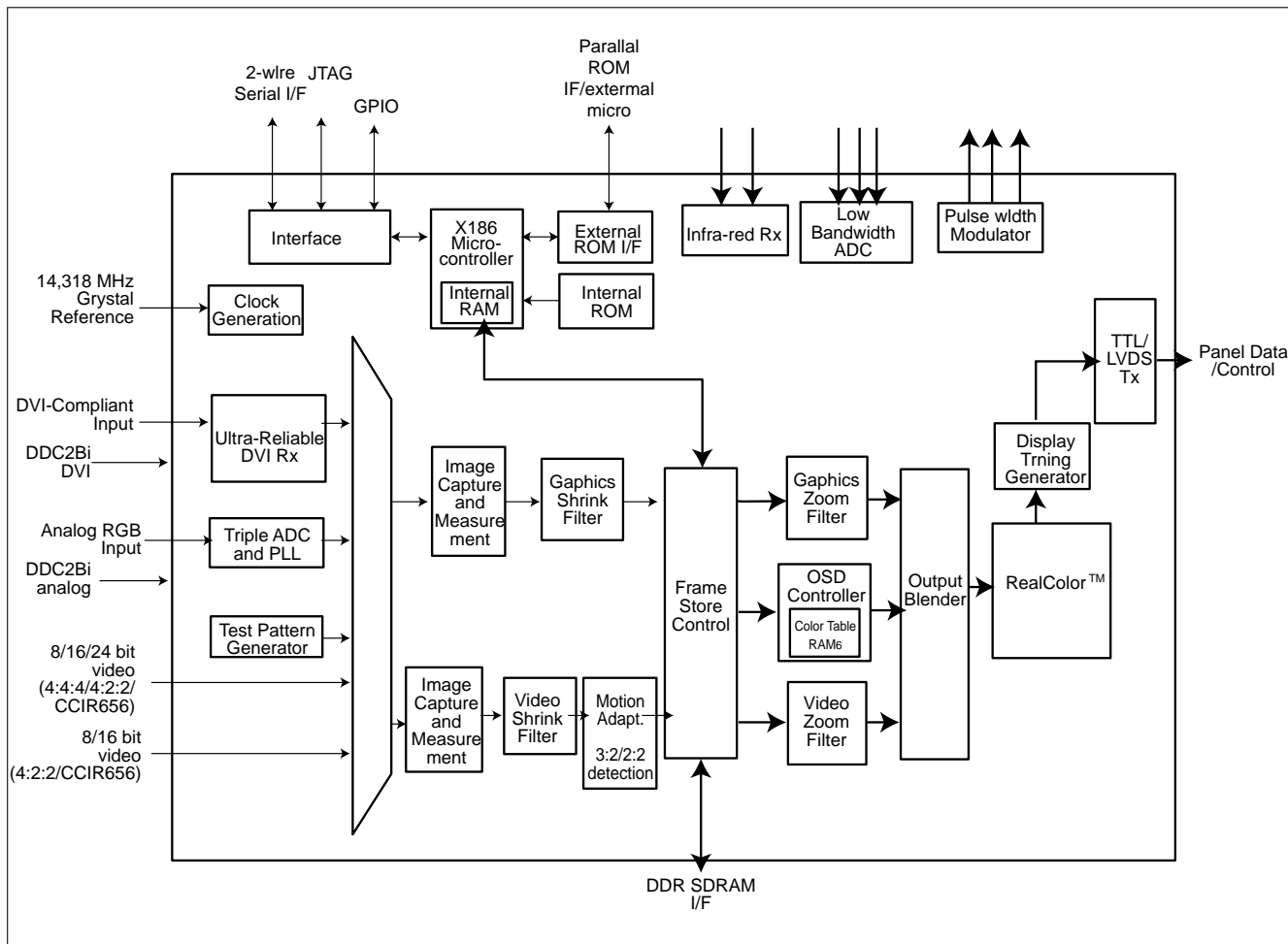
## BA7657 Multimedia ICs



### BLOCK DIAGRAM



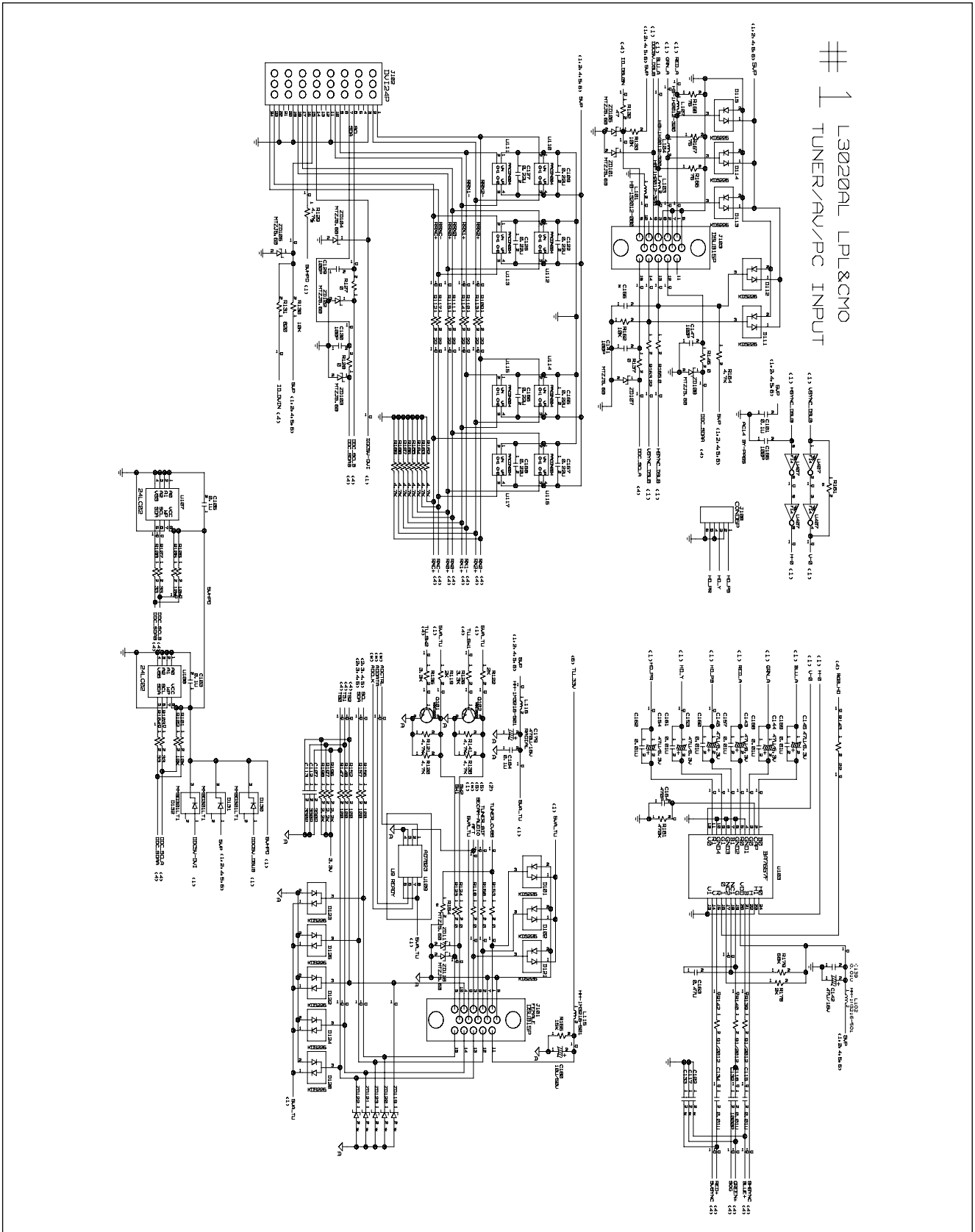
# GM1501 GENESIS 406P



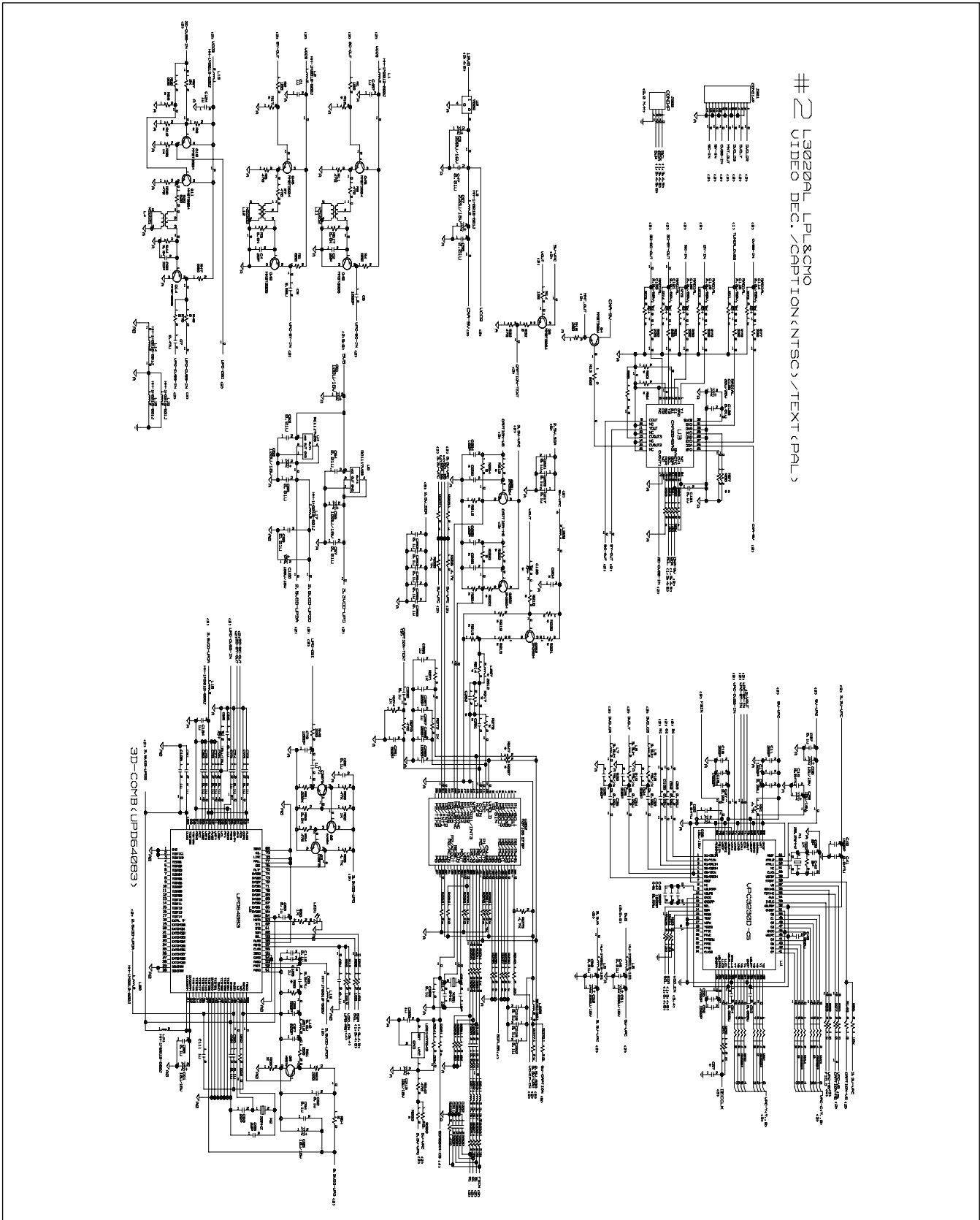
**BLOCK DIAGRAM**

# SCHEMATIC DIAGRAM

## 1. TUNER/AV/PC INPUT

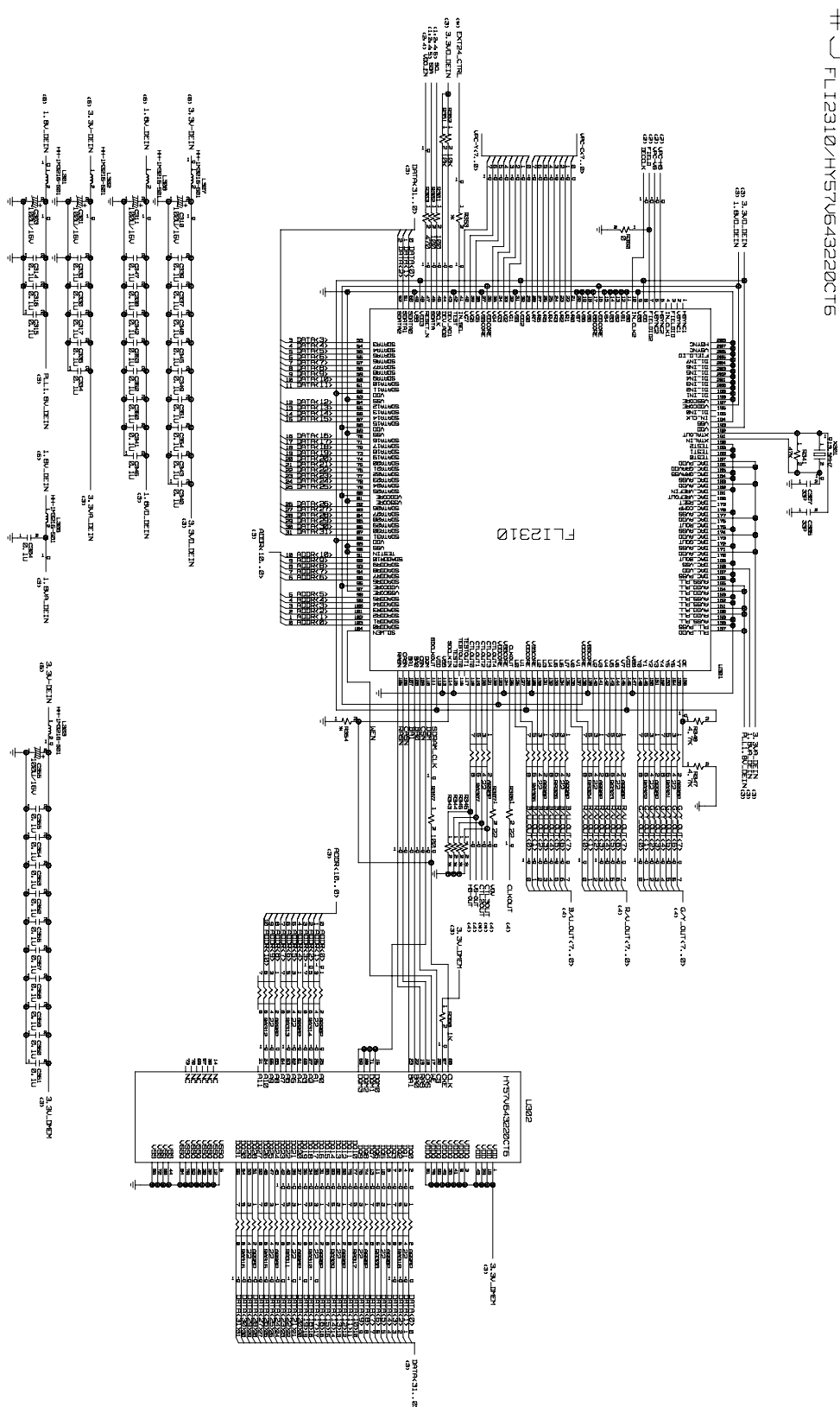


## 2. VIDEO DEC./CAPTION



### 3. FLI2310/HY57V643220

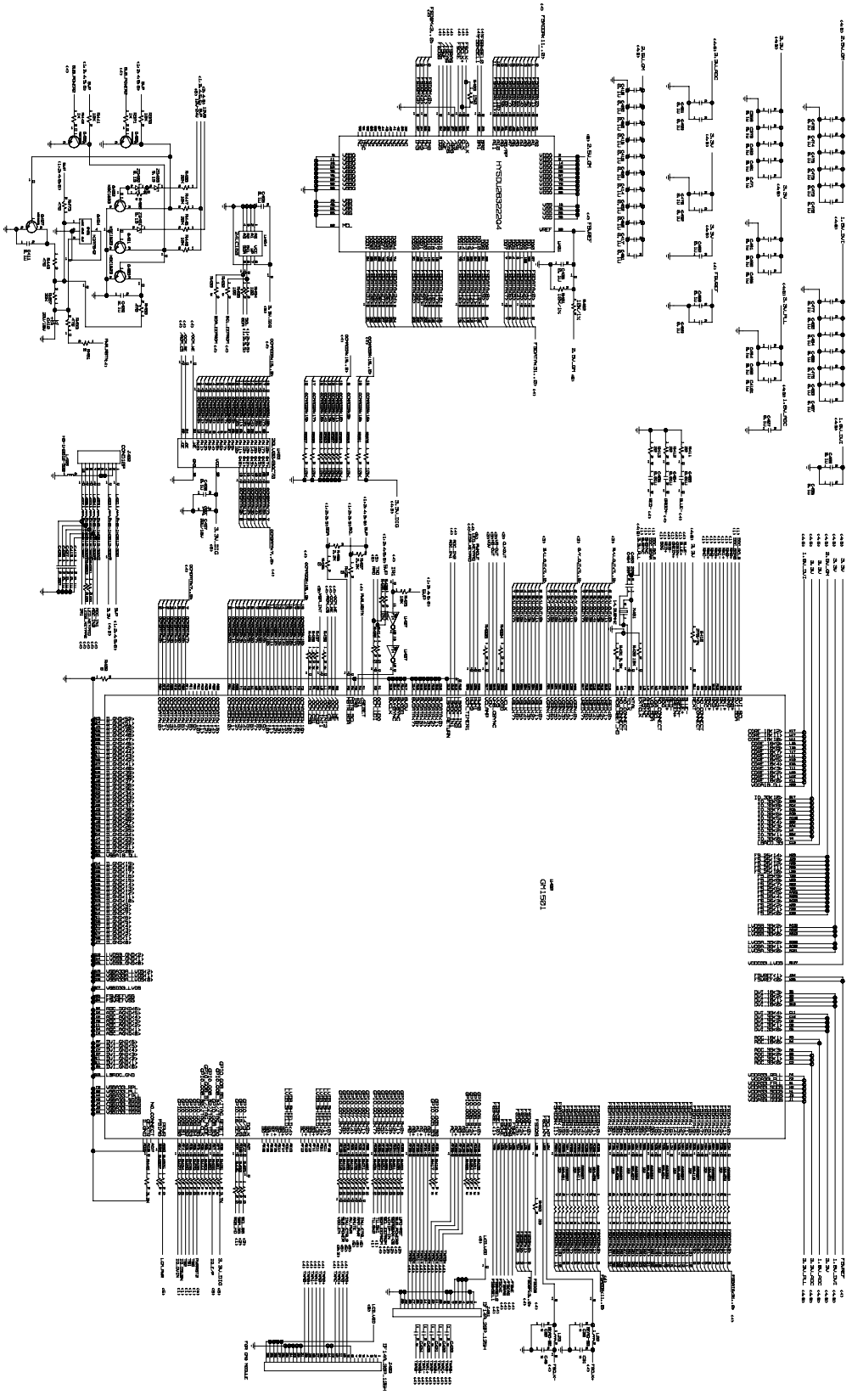
# 3 L3020AL LPL&CMO  
# 3 FLI2310/HY57V643220CT6





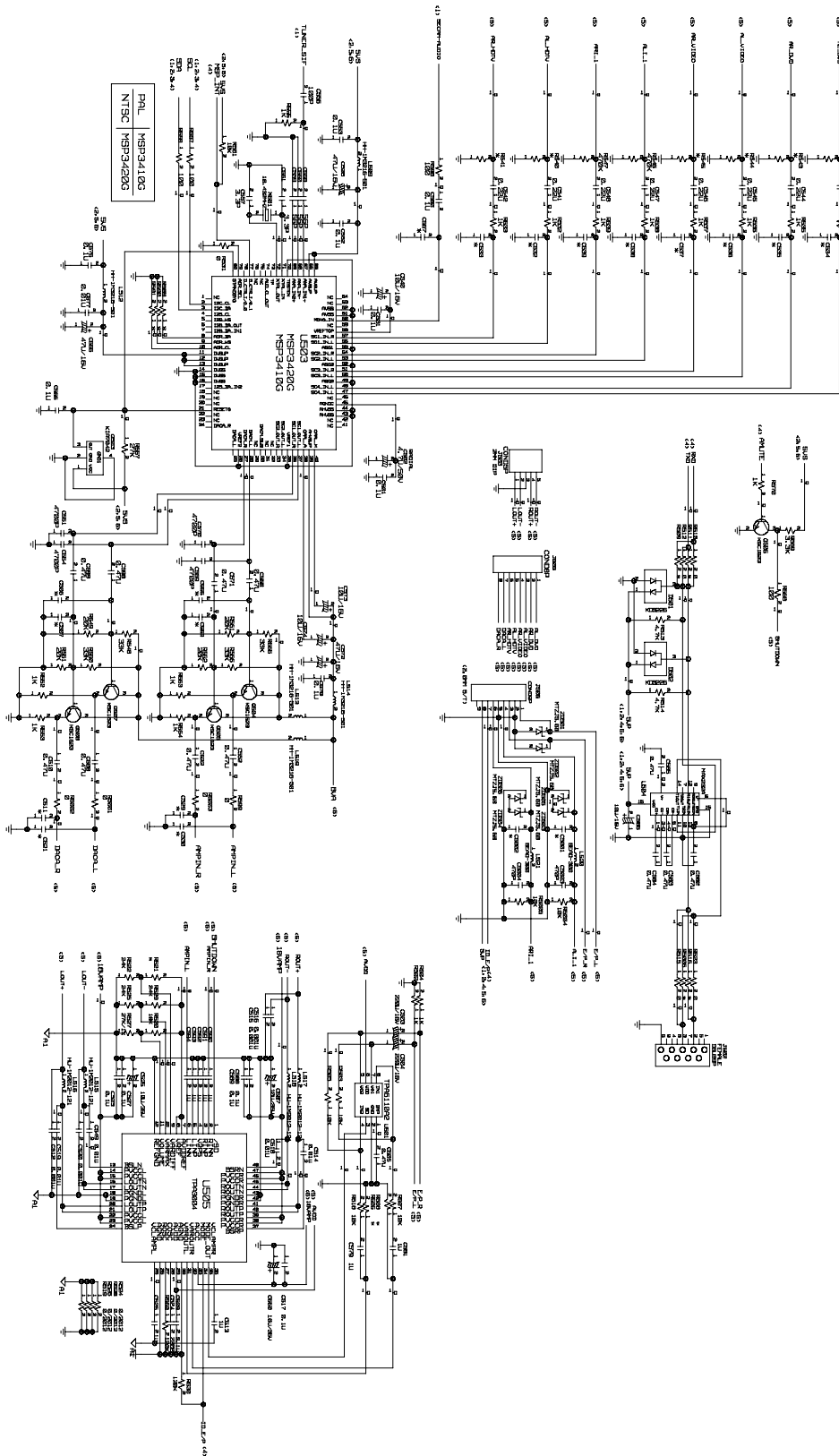
# 4. SCALER(GM1601)

# 4 L30209L (PL&CHO  
SCALER(GM1601))



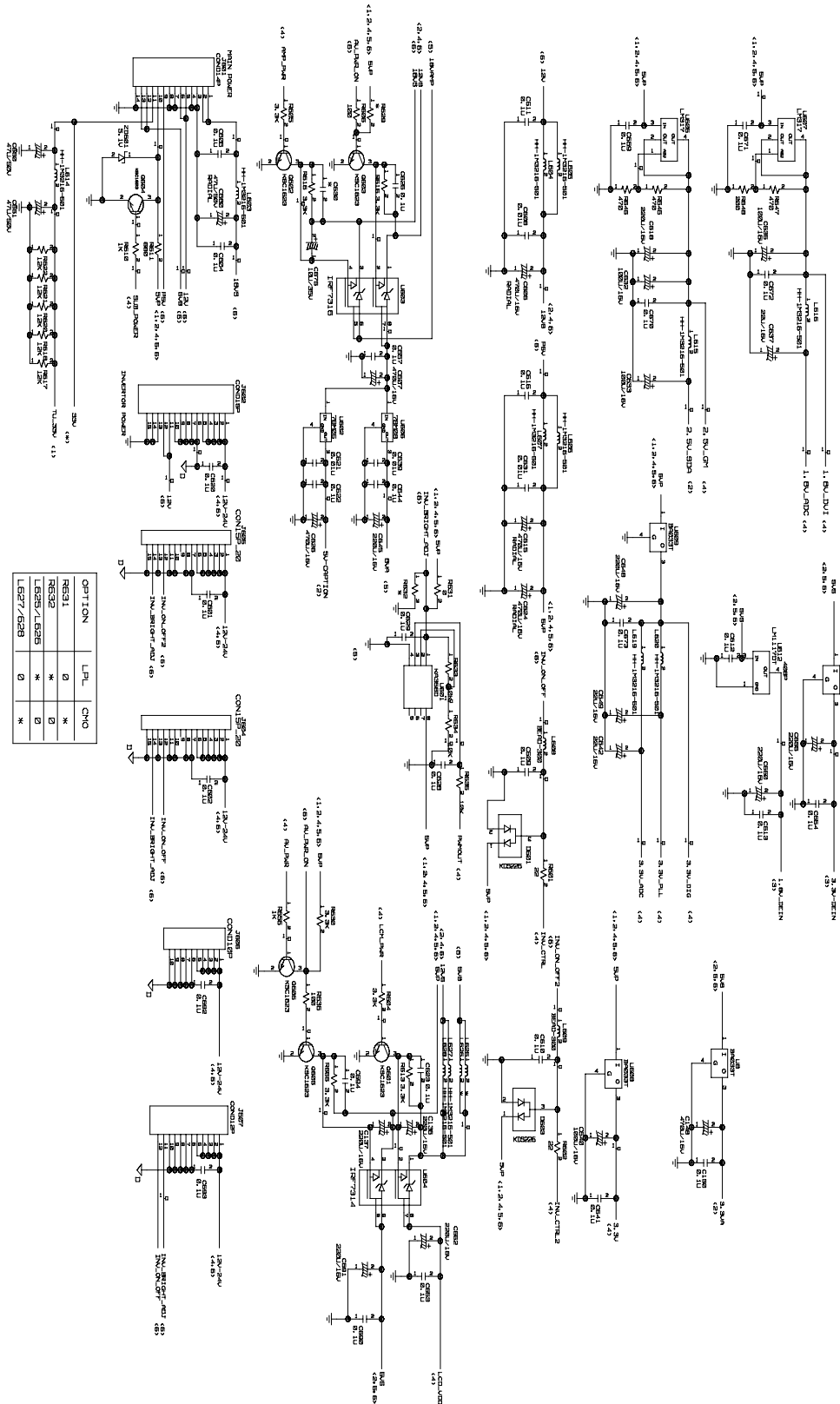
# 5. AUDIO CTL/AMP/RS232

#5 L3020AL PL&CMO / AMP / RS232



# 6. POWER/CONNECTOR

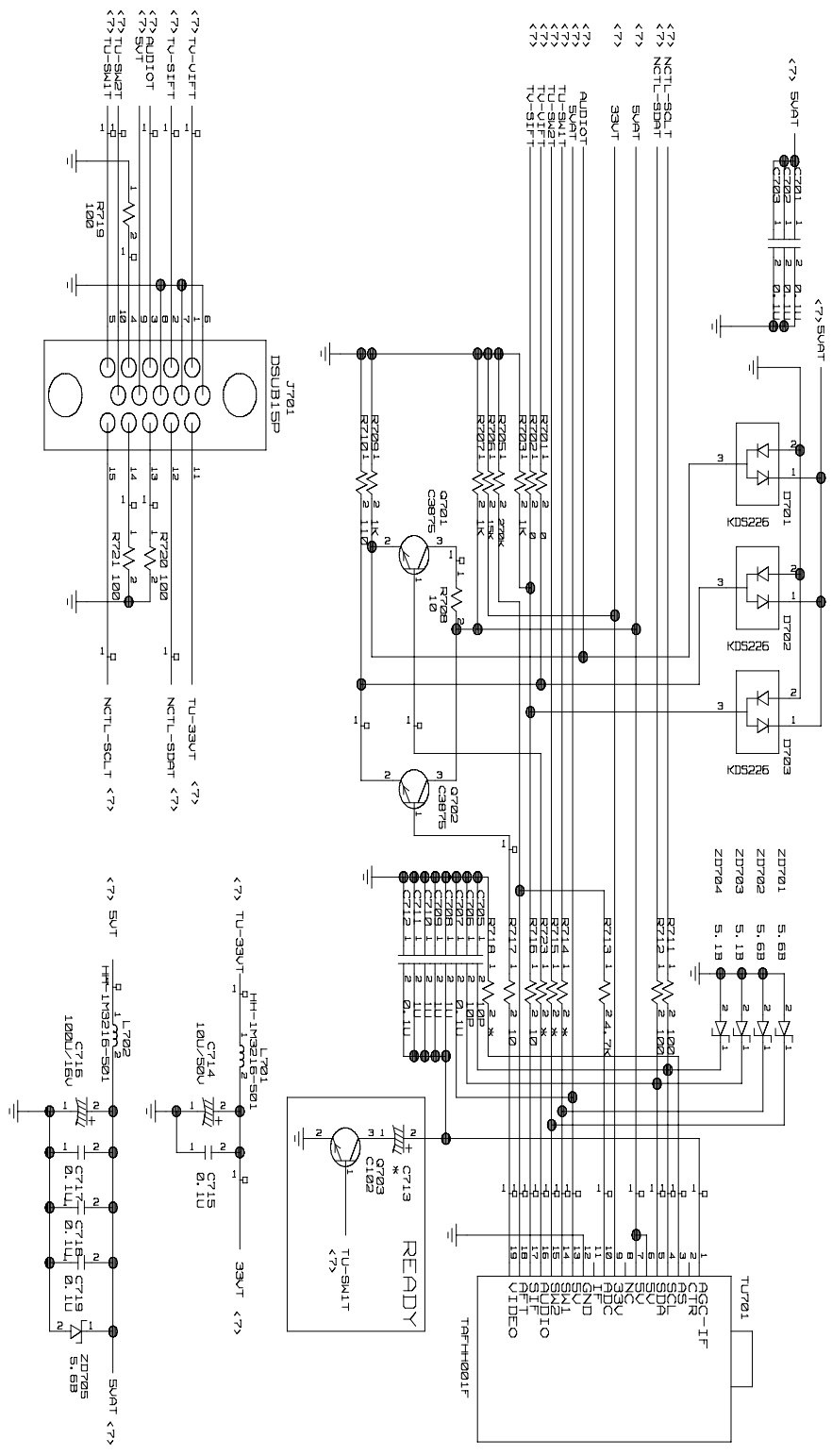
## # L3020AL LPL & CMO POWER/CONNECTOR



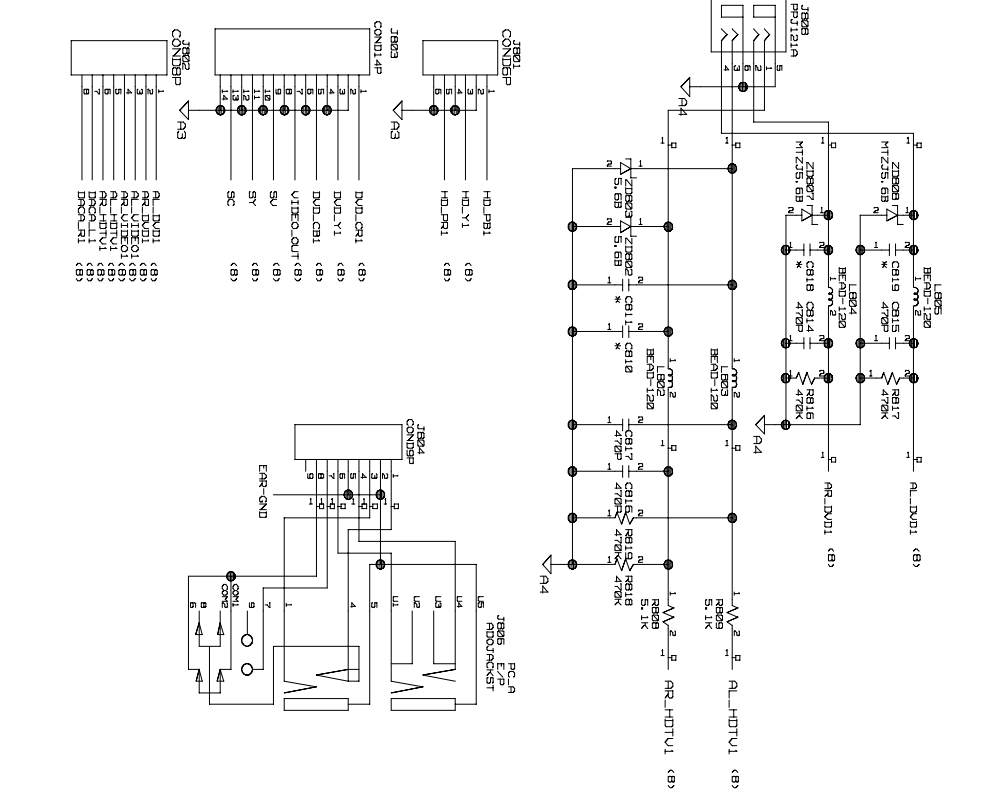
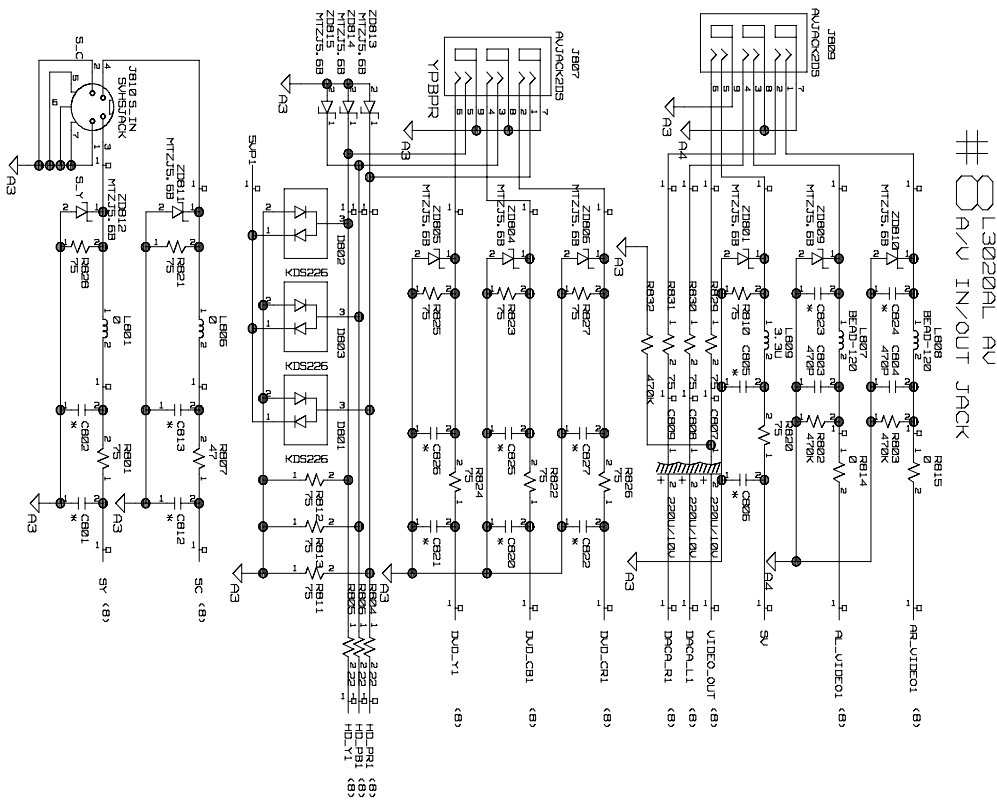
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R3S2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
L3S1/L3S2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
L3S7/L3S8	<input type="checkbox"/>	<input checked="" type="checkbox"/>

# 7. TUNER

# L3020AL LPL&CMP  
TUNER



# 8. AV IN/OUT JACK





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