



LCD-Monitor

Chassis
PO24FS

Model
242MP

SERVICE Manual

TFT-LCD MONITOR



Fashion Feature

- Worldwide TV Monitor Model
(Input to NT, PAL and SECAM areas supported).
- MFM (Multi-function Monitor)
: A variety of external sources supported as well as PC
PC, DVI, DVD, DTV Set-top Box.
- 16:10 display.
- Menu Opacity: Can control the opacity of PIP and OSD.
- CM LVDS (COLOR ENHANCER) Built-in Chip, Improved
Picture Quality (MAGICCOLOR PRO).



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2 Product specifications

2-1 Product Main Specification


- Worldwide TV Monitor Model (Input to NT,PAL and SECAM areas supported).
- MFM (Multi-function Monitor): A variety of external sources supported as well as PC
PC, DVI, DVD, DTV Set-top Box.
- 16:10 display.
- Menu Opacity: Can control the opacity of PIP and OSD.
- CM LVDS (COLOR ENHANCER) Built-in Chip, Improved Picture Quality (MAGICCOLOR PRO).
- Adopts the Dolby Virtual and BBE features to enhance the sound quality.
- MFM TV MONITOR (RF, FM, AV, S-VIDEO, COMPONENT, SCART, PC, DVI).
- 242MP: Uses the AMLCD 6300K Panel (PVA PANEL).
- Video Input: RF, CVBS (Composite Video Baseband Signal),S-VIDEO,COMPONENT, SCART(RGB,CVBS),PC ANALOG and DVI.
- Audio Input: PC(ANALOG, DVI) STEREO Input, RF, FM RADIO, VIDEO(CVBS,S-VIDEO),COMPONENT,SCART.
- External 5W Speaker Output.
- Sleep Mode.
- Wall & Ceiling Mounting (Optional VESA Wall Mount Kit)

2-2 Specification








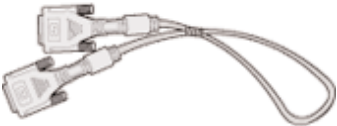
Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black, 24-Inch viewable, 0.27 mm pixel pitch	
Scanning Frequency	Horizontal : 31 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1920 Pixels Vertical : 1200 Pixels	
Input Video Signal	RGB Analog, DVI(Digital Visual Interface) Compliant Digital RGB	
Input Sync Signal	Type : separate H/V sync, Composite, automatic synchronization without external switch Level : TTL level (V high \geq 2.0V, V low \leq 0.8V)	
Maximum Pixel Clock rate	165 MHz	
Active Display Horizontal/Vertical	518.4(H)mm / 324(V)mm(24 INCH)	
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60 / 50 Hz +/- 3 Hz	
Power Consumption(DPMS)	150 W (less than 2W)	
Dimensions (W x H x D) Set Package	21.98 x 14.98 x 3.54 Inches (558.4 x 380.7 x 90.0 mm) (Without stand) 21.98 x 61.81 x 6.96 Inches (558.4 x 427.2 x 177.0 mm) (With Stand) 26.02 x 20.51 x 11.61 Inches (661.0 x 521.0 x 295.0 mm)	
Weight (Set/Package)	8kg (17.63lbs)(Without stand), 9kg(19.84lbs)(With stand) / 12kg (26.45lbs)(Package)	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 %	
TV System	Tuning	Frequency Synthesize
	Color	NTSC-M , PAL-M/N, PAL/SECAM-L/L', B/G, D/K, I
	Sound	NTSC system: BTSC(Broadcast Television System Committee), A2-Korea, EIAJ PAL system: B/G, I , D/K, L/L'
Antenna Input	75Ω, Coaxial Cable	
Sound Characteristic	1) MAX Internal speaker Out : 5W(channel) x 2 (output level: 4W ~ 6W) 2) Total Harmonic Distortion : 10% MAX 3) AUDIO S/N : 40dB MIN 4) BASS Control Range : -12dB ~ +12dB , TREBLE Control Range : -12dB ~ +12dB 5) Surround mode support 6) Headphone Out : - RF : 5mW max (400m Vrms) - A/V : 10mW max (580 Vrms), Max Input sound : -9dBm 7) Output Frequency - RF : 50Hz ~ 12KHz - A/V : 50Hz ~ 12KHz 8) Max Input Level : 2V 9) standard Audio Input Level : 500mVrms 10) CROSSTALK - A/V Input : 60dB min - RF input : 50dB min 11) Input Impedance : 10kΩ	

Item	Description
DISPLAY IMAGE PERFORMANCE	<p>1) MagicBright support.</p> <ul style="list-style-type: none"> - Text Mode : 160 cd/m2 < 90 ~160 > - Internet Mode : 220 cd/m2 < 190 ~ 250 > - Entertain Mode : 400 cd/m2 < 360 ~ 450 > <p>2) MagicColor Pro</p> <p>2-1 MagicColor (Factory mode: Off)</p> <ul style="list-style-type: none"> - Off: Not adaptive full color saturation enhancement - Intelligent: Adaptive full color saturation enhancement except skin color - Full: Adaptive full color saturation enhancement - Demo: Display difference between adaptive full color and non-adaptive full color saturation enhancement <p>2-2 Color Tone (Factory mode: Normal)</p> <ul style="list-style-type: none"> - Warm2(4000K) , Warm1(5000K) , Normal(6500K) , Cool1(7000K) , Cool2(8000K), Cool3(9300K), Cool4(10000K) - Color tone range: Each color tone $\pm 700\text{K}$ <p>2-3 Gamma (Factory mode: +0.2)</p> <ul style="list-style-type: none"> - -0.3 , -0.2 , -0.1 , +0 , +0.1 , +0.2 , +0.3 , +0.4 , +0.5 , +0.6 <p>2-4 6-color (Each color setting factory mode: 50 , Change range: 0~100)</p> <ul style="list-style-type: none"> - Saturation(S): Change range from 0 to 1 at RGBCMY HSV color coordinates Change OSD step range 0~100 ("S(0)" \rightarrow "0" step: white color , "S(1)" \rightarrow "100" step: dark color) - Hue(H): Change range from -60° to $+60^\circ$ at RGBCMY HSV color coordinates Change OSD step range 0~100 (each same step intervals: 1.2°) - Reset <p>2-5 Color Weakness (Factory mode: Off)</p> <ul style="list-style-type: none"> - Off: Not Color Weakness correction function state - Custom1: Color Weakness correction function state 1 Each color(R,G,B) 10step(OSD Step: 0~9) control - Custom2: Color Weakness correction function state 2 Each color(R,G,B) 10step(OSD Step: 0~9) control

2-3 Comparative Specification




Manufacture company / Model		LG [L2320T]	SAMSUNG [Rubens 241MP]	Apple [Cinema 23HD]	SAMSUNG [Pollock 24"]
Appearance					
Panel		LM230W01 (LG Philips LCD)	LTM240W1-L01 (SAMSUNG AMLCD)	LM230W02 (LG Philips LCD)	LTM240M1-L01 (SAMSUNG AMLCD)
Power Adapter		5A/18.5V, 0.8A/5V	8A/14V, 120Watt	24.5V/ 3.5A, 90Watt	24/14/13/5, 150W
SET Dimension (H×W×Dmm)		588 × 443 × 260	660 × 472 × 213	450 × 536 × 187	558 × 380 × 177
Bezel(Width)/Depth		45.1 / 68.3	50	19	19
Stand	Height Adj.	N/A	N/A	N/A	N/A
	Pivot, Swivel	N/A	N/A	N/A	N/A
Resin		ABS - PC	AL	AL	ABS - HB
Loading Qty(40ft)		None	342	630	504
Video	D-SUB/DVI	1 / 2	1 / No	No / 1	1 / 1
	RF	Yes	Yes	No	5A/18.5V, 0.8A/5V
	CVBS / S-VHS	1 / 1	1 / 1	No	Yes
	Component	1	1	No	1
	V-chip / Caption	No	Yes	No	Yes
	PIP / PBP	Yes / Yes	Yes / Yes	No	Yes / Yes
Audio	Effect	BBE	BBE	No	BBE
	Speaker	5W × 2	5W × 2	No	5W × 2
	Headphone	Yes	Yes	No	Yes

2-4 Option Specification

Item	Item Name	Code.No	Remark
	Quick Setup Guide	BH68-00376M	
	Warranty Card (Not available in all locations)	BH68-00261F	
	User's Guide, Monitor Driver, Natural Color software	BN59-00391D	
	D-SUB CABLE	BN39-00115A	
	POWER CORD	3903-000085	
	AUDIO CABLE	BN39-00061B	
	RADIO ANTENNA	AA39-00365A	
	DVI CABLE	BN39-00073A	

2 Product Specifications

Item	Item Name	Code.No	Remark
	Remote Control	BN59-00434A	
	Batteries (AAA×2)	4301-000121	
	Connector	3705-001191	
	Side Cover		
	SPEAKER ASSY	BN96-01816A	
	COVER ASSY SPEAKER	BN63-01713A	
	Speaker-Stand		
	Speaker Brackets (Use only for the mounting type installation.)		

Item	Item Name	Code.No	Remark
	Speaker-Audio cable		
	Screws (Black 4EA, Silver 4EA)		
	Speaker-Side cover		

13-1-1 Overall Block Description

<Main Board>

Formats of input sources include RF, CVBS, S-VIDEO, COMPONENT, SCART, PC and DVI.

GM1601H, a SCALER IC, has built-in TMDS that enables to process DVI signals without an additional IC and includes HDCP (High Bandwidth Digital Content Protection).

This is a neighboring circuit component IC that consists of a DDR memory and a 2M flash memory chips. It processes various signals including RF, AV, S-Video and Component before transferring them through CM-LVDS, a picture quality IC, to the panel.

Signals from RF, AV, S-Video and Component go through VCTi, a video processor IC, into the scaler IC before processed in the same way above.

RF and AV signals are transferred to and from UPD64084 IC, a 3D Comb Filter, which separates the color signals (C) from the luminance ones (Y) for better picture quality while Component signals go through MST9886, an ADC, to DE-INTERLACE and finally into the scaler IC.

Sound signals pass through so-called Lip Sync IC, which compensates for the problem of separate transfer of video and audio signals in broadcasting.

VCTi IC processes the video and sound signals at the same time.

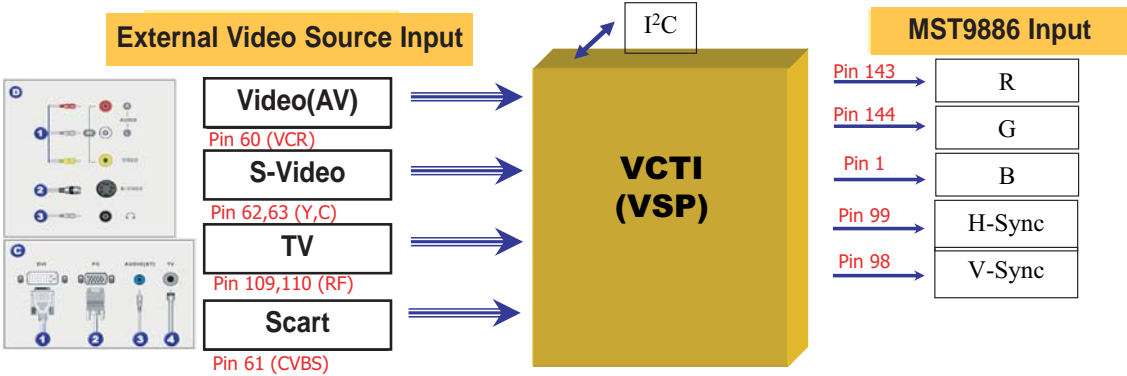
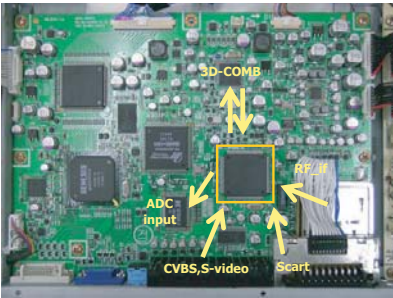
It has BBE and DolbyVirtual sound features that amplify the sound signals using Amp TPA3002.

It can receive all signals including from NTSC, PAL and SECAM with only one tuner. In addition, it supports FM radio reception.

13-2 Main board part

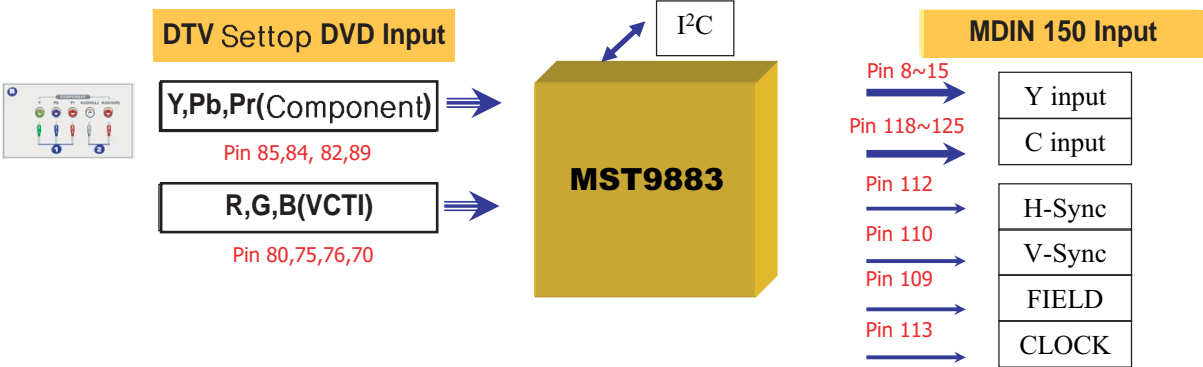
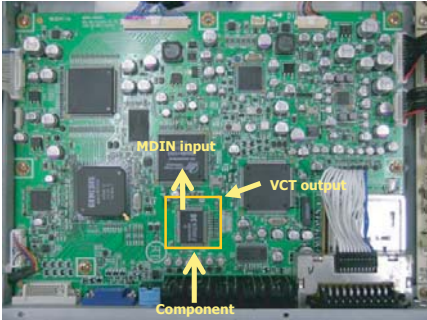
13-2-1 VSP (Within VCTI)

- 4 Inputs and 1 Output
- CVBS, S-Video, RF, SCART



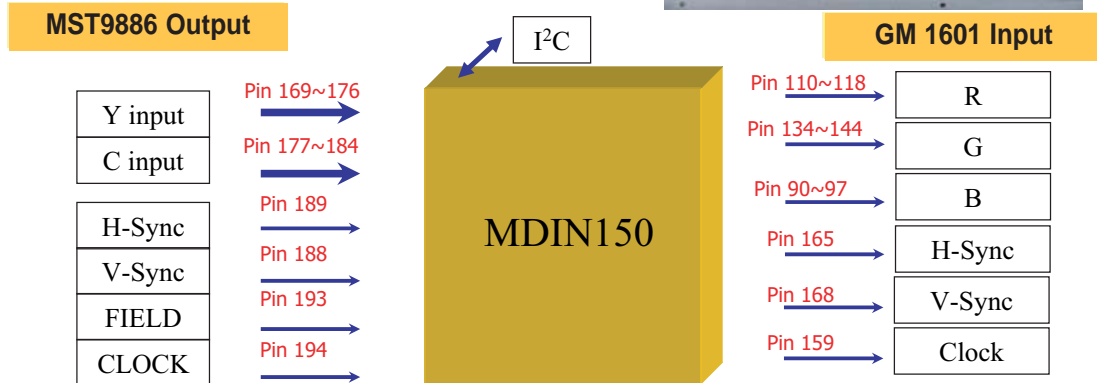
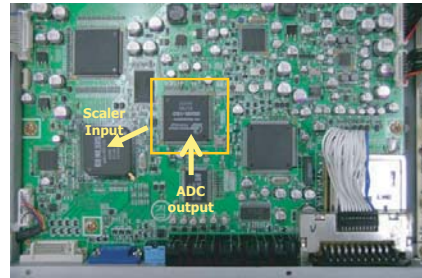
13-2-2 MST9886

- 8 Bit ADC
- 2 input 1 output
- Used for Component input
(Y, Pb, Pr Signal → R,G,B Signal (D))
- Used for VCTI input
(R,G,B Signal(A) → R,G,B Signal (D))



13-2-3 MDIN150

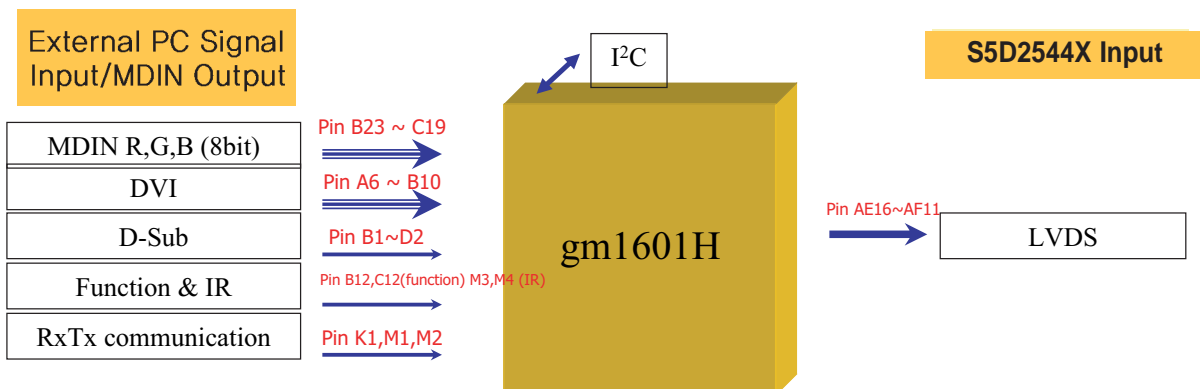
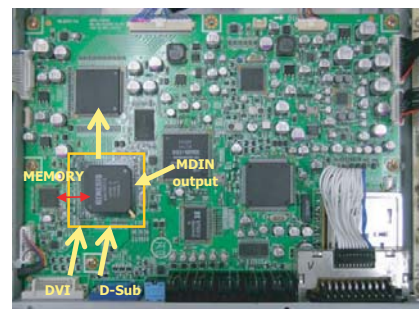
- Macro Image Tech.(前社) Deinterlacer IC
- Motion Adaptive 3-D Deinterlacing
- Serial I2C Communication



- If the AD converted video signal by ADC is an Interlaced signal, the signal is converted into a progressive signal.

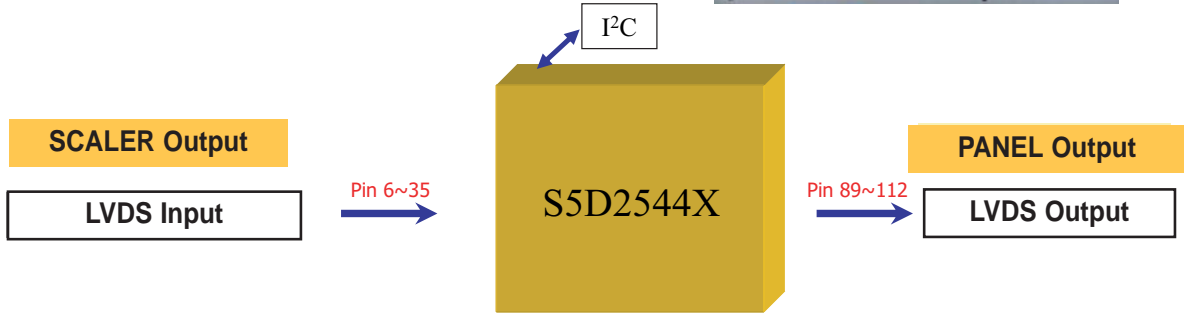
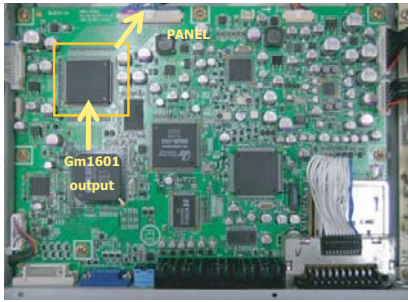
13-2-4 GM1601H

- GENESIS (前社) Scaler IC
- Built-in micro-processor
- RxTx communication support
- OSD support, PIP support



13-2-5 S5D2544X

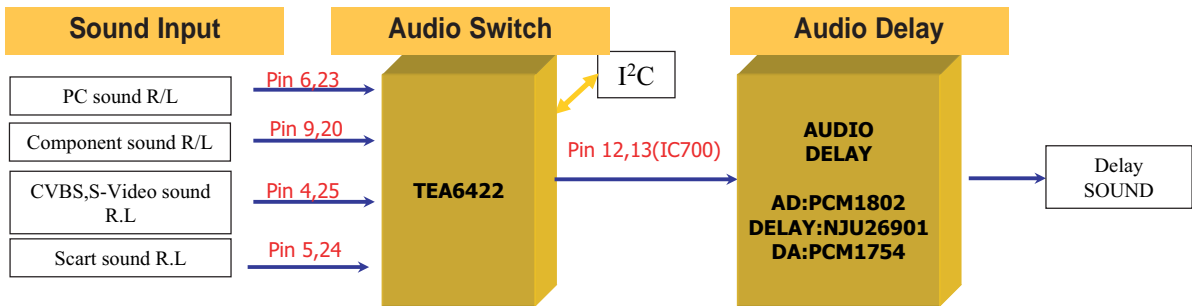
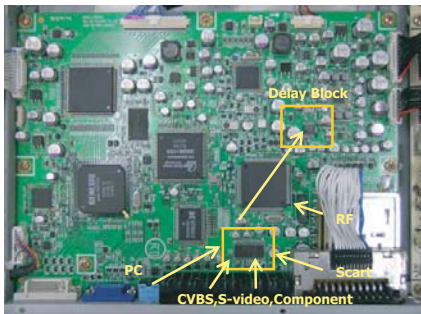
- System LSI (社) Enhancer IC
- Serial I2C Communication
- ASE, GTC, Color Tone, Gamma, 6-Color, Color Weakness



This is a Color Enhancer that provides the Magic Color menu function.

13-2-6 Sound <1>

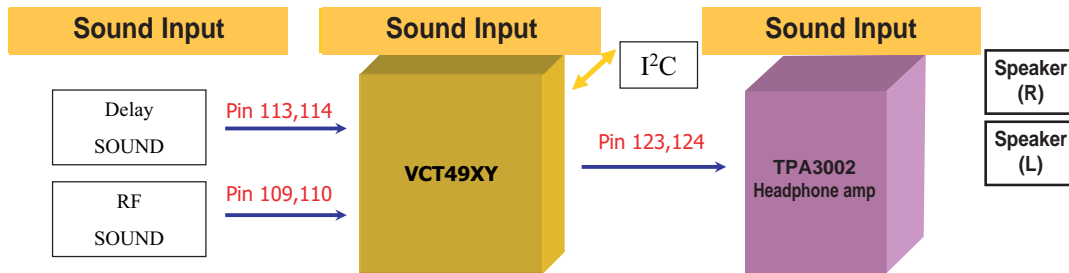
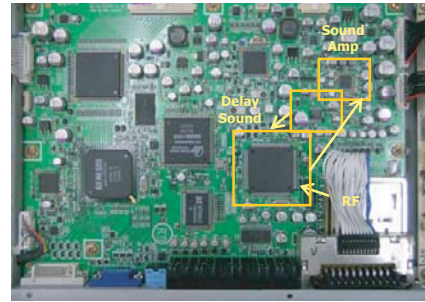
- Audio Switch : TEA6422
- Audio Delay
 - AD : PCM1802
 - Delay : NJU26901
 - DA : PCM1754



The video signal experiences a time delay when processed by the Deinterlacing / Scaling module. Due to this problem, the audio plays before the corresponding video appears. To resolve this problem, an audio delay is introduced by the audio delay module that consists of an AD converter, which converts the analog audio signal into digital, a delay module, and a DA converter, which converts the digital signals into analog.

13-2-7 Sound <2>

- Global version(All sound standard)
- BBE, virtual Dolby Surround, Mute function
- Audio decoder: MSP (within Vcti)
- Amplifier : TPA3002



Did I skip RF Sound Delay?

RF Sound is output though the Vcti Sound Output, switched and delayed by TEA6422 and re-input to Vcti.

13-3 MagicColor Pro

13-3-1 MagicColor (Factory mode: Off)

- Off: Not adaptive full color saturation enhancement
- Intelligent: Adaptive full color saturation enhancement except skin color
- Full: Adaptive full color saturation enhancement
- Demo: Display difference between adaptive full color and non-adaptive full color saturation enhancement

13-3-2 Color Tone (Factory mode: Normal)

- Warm2(4000K) , Warm1(5000K) , Normal(6500K) , Cool1(7000K) , Cool2(8000K), Cool3(9300K), Cool4(10000K)
- Color tone range: Each color tone \pm 700K

13-3-3 Gamma (Factory mode: +0.2)

- Using this function, the user can configure a specific Grayscale gradation.
- '-' - Smooths the picture and the user can watch dark pictures more easily.
- '+' - Sharpens the picture and the user can watch a bright screen more easily.
- -0.3 , -0.2 , -0.1 , +0 , +0.1 , +0.2 , +0.3 , +0.4 , +0.5 , +0.6

13-3-4 6-color (Each color setting factory mode: 50 , Change range: 0~100)

- Saturation(S): Change range from 0 to 1 at RGBCMY HSV color coordinates Change OSD step range 0~100 ("S(0)" \rightarrow "0" step: white color , "S(1)" \rightarrow "100" step: dark color)
- Hue(H): Change range from -60° to +60° at RGBCMY HSV color coordinates Change OSD step range 0~100 (each same step intervals: 1.2°)
- Reset
- Using this function, a user can configure the 6 colors, Red, Green, Blue, Cyan, Magenta and Yellow. (Saturation - Determines the Chroma or Color Density, Hue - Determines the Color)

13-3-5 Color Weakness (Factory mode: Off)

- Off: Not Color Weakness correction function state
- Custom1: Color Weakness correction function state 1
Each color(R,G,B) 10step(OSD Step: 0~9) control
- Custom2: Color Weakness correction function state 2
Each color(R,G,B) 10step(OSD Step: 0~9) control

13-3-6 CVD

- Using this function, partially color blind persons can watch the screen with 'normal' vision.
- You can adjust the Red, Green and Blue colors in 9 steps.

MEMO

4 Alignments and Adjustments

This section describes to adjust LCD monitor after replacing EEPROM, Main PBA or Panel.

4-1 Factory Mode Adjustments

- PAL : Power off → INFO → MENU → MUTE → Power ON

- NTSC : Power off → MUTE → 1 → 8 → 2 → Power ON

4-2 Factory DATA

- DDP(Display and Deflection Processor) part

Service Menu

DDP
VSP
MSP
ADC9883
Auto Color
Custom Color
Panel Info
Spread Spectrum
Reset
Auto Adj.
Option
Mdin
Upd64084
Color Weakness
Checksum

T-PLLK24WW-0840 04.11.29

DDP Part

NCE GAMMA 0
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

Non-linear Color Space Enhancer (NCE)

: Adjusts the Gamma of the RF, AV, S-Video, and Scart sources.
As you increase the value, the screen becomes lighter increasing the medium parameter. Do not use this function.
Use the Gamma Adjustment function of Magic Color.

Service Menu

● →

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T-PLLK24WW-0840 04.11.29

DDP Part

NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

BLE MODE	3
0:no 1:auto 2:dyna 3:static	
BLE GAIN	3
BLE TILT	5
STATIC BLE	2

Black Level Expander/Compressor (BLEC)

: Leaves bright images as they are and makes dark images darker.

This function is used to adjust the visual quality.
(TV, AV, S-Video and Scart only)

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T-PLLK24WW-0840 04.11.29

DDP Part

NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

R CUTOFF	XXX
B CUTOFF	XXX
G CUTOFF	XXX

R DRIVE	XXX
B DRIVE	XXX
G DRIVE	XXX

Menus for White Balance Adjustment

: Adjusts the Drive (gain) and Cutoff (offset) to adjust the color temperature and the screen display quality.

(Min:0 Max: 511, TV, AV, S-Video and Scart only)

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T-PLLK24WW-0840 04.11.29

DDP Part

NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

LTI CORING	1
LTI GAIN	15
CTI CORING	3
CTI GAIN	6

Luma/Chrominance Transient Improvement (LTI/CTI)

:Corrects the suite signal of the luminance and the color difference signal to enhance the sharpness and to reduce peaking. The higher the peaking value, the higher the sharpness. However, a higher sharpness also shows noise more clearly. (TV, AV, S-Video and Scart only)

Service Menu

● →

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T-PLLK24WW-0840 04.11.29

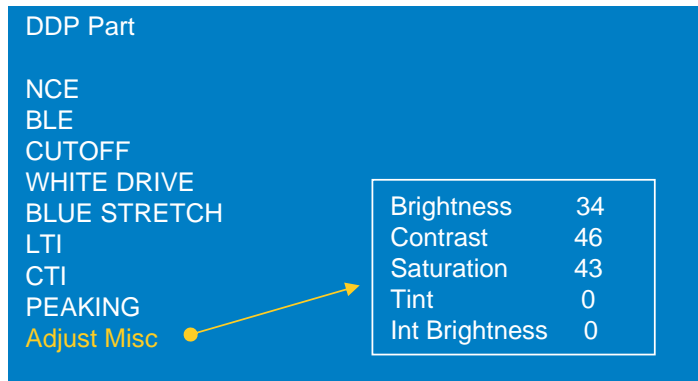
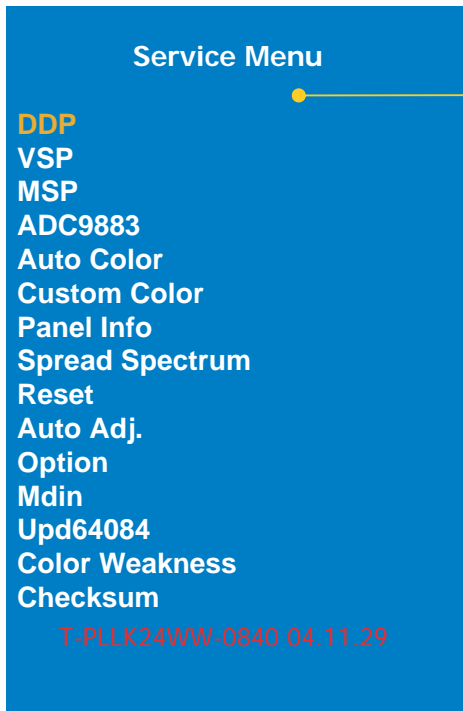
DDP Part

NCE
BLE
CUTOFF
WHITE DRIVE
BLUE STRETCH
LTI
CTI
PEAKING
Adjust Misc

Pos Peak	1
Neg Peak	6
Peak Coring	31

-Peaking

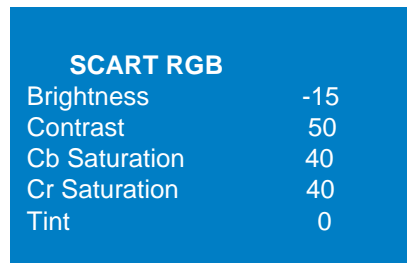
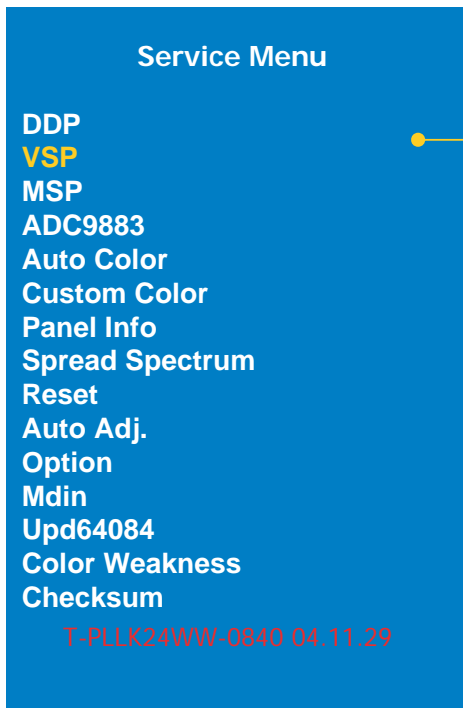
:Adjusts the Peaking strength and weakness by adjusting the Overshoot and Undershoot adjustment. (TV, AV, S-Video and Scart only)



Contrast, Brightness, Saturation and Tint Adjustment

:Adjusts Br,Cont and Color,Tint by adjusting the output signal level of the VCTI IC.(TV, AV, S-Video and Scart only)

-VSP(Video Processor) part



-SCART YCrCb Control

This menu is used to adjust the contrast, brightness, color saturation and tint of the Scart R,G,B output signal. The CVBS signal to the Scart is controlled in the DDP menu.

0 < contrast < 63/32 (CONADJ)

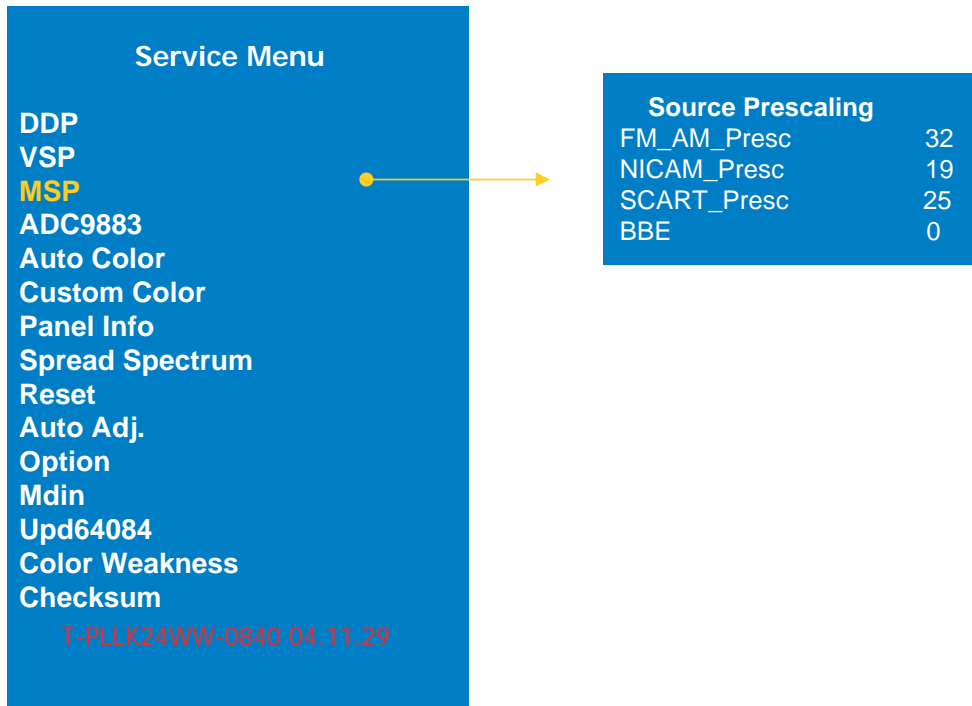
-128 < brightness < 127 (BRTADJ)

0 < saturation Cr < 63/32 (VSATADJ)

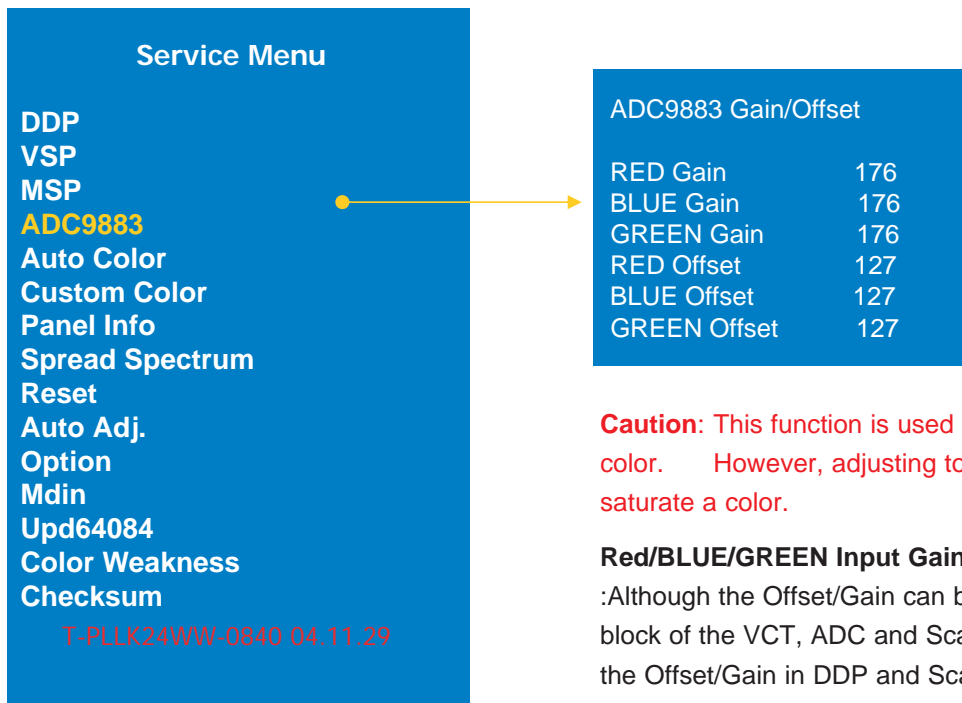
0 < saturationa Cb < 63/32 (USATADJ)

-45 < tint < +45j/Æ (TINT)

-MSP(Multistandard Sound Processor) part



-ADC9883 part



Caution: This function is used to adjust the sense of color. However, adjusting to an extreme value may saturate a color.

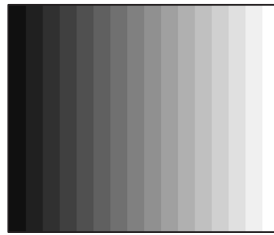
Red/BLUE/GREEN Input Gain/Offset Adjustment

:Although the Offset/Gain can be adjusted in the DDP block of the VCT, ADC and Scaler, you can only adjust the Offset/Gain in DDP and Scaler in our implementation. A fixed value is used in ADC.

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Checksum

T-PLLK24WW-0840 04.11.29



Caution: PC analog Only
(1920*1200@60Hz 16gray pattern)

The color adjustment will only work properly with a particular pattern in a particular mode. Using the color adjustment in other cases may distort the color.

Color Tone	
RED Gain	128
BLUE Gain	128
GREEN Gain	128
RED Offset	128
GREEN Offset	128
BLUE Offset	128

The Color Adjustment function provided by Gm1601. It is used to adjust the color tone of the PC and DVI. Although the color tone adjustment functions for other sources are implemented using the VCT, the color tone adjustment functions for components and DVI are implemented using the Scaler. However, the color tone is adjustable using the CM LVDS at the rear of the Scaler by the user. Do not adjust this custom color and use the default setting.

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Upd64084
Color Weakness
Checksum

T-PLLK24WW-0840 04.11.29

Panel Information	
Total Hr:	xxx
Upper Lamp Hr:	xxx
Lower Lamp Hr:	xxx

Reset the time after a panel or lamp replacement. Resetting the time : Press and hold down the Menu button on the front panel of the monitor for 5 seconds.

The EMI Radiation adjustment menu. Never adjust the default setting.

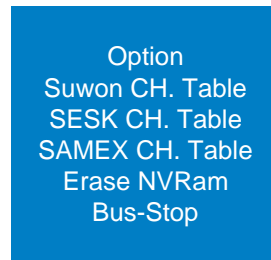
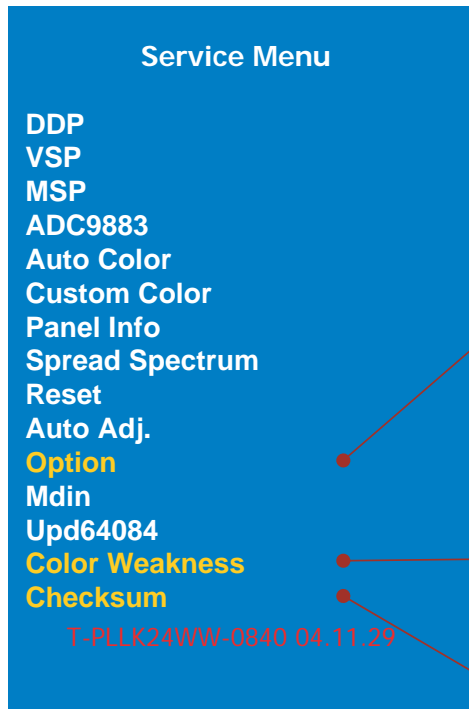
Factory reset: Resets to the factory settings.
(Since the monitor is turned off after a reset, turn it on)

On: Enables Auto Adjustment
Off: Disables Auto Adjustment



Auto Adj: Enables or disables the function to apply Auto Adjustment to an unadjusted signal when it is supplied.

-Option/Color Weakness/Checksum



-Factory Selection:
Select the country in which the monitor has been manufactured

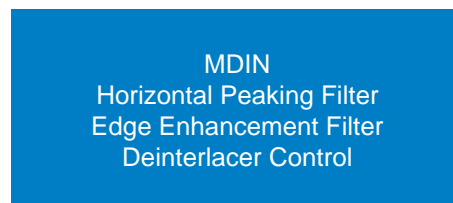
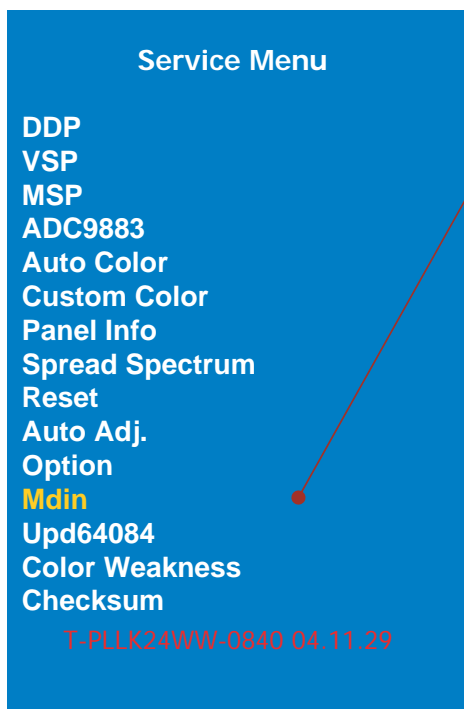
-Erase NVRam : Erases the Scaler RAM. Do not select this menu.

Bus-Stop : Stops the I2C that is used by Micom to ;@force; control the slave IC. Do not select this menu.

The test pattern for partially color blind persons in the Magic Color menus.

Shows the Micom checksum.

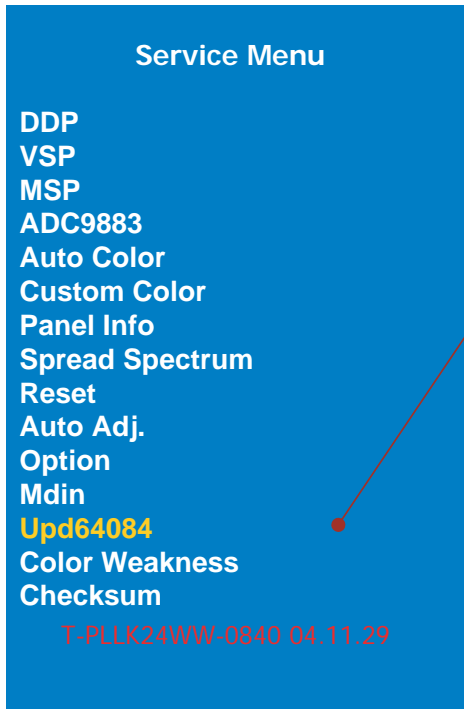
-Upd64084



- **Horizontal Peaking Filter:**
A filter that adjusts the horizontal video peak gain so as to provide a sharper screen. You can turn the filter on or off and adjust the gain.
- Edge Enhancement Filter: Provides a function to enhance the distinction of the image border.
- You can configure the threshold to automatically turn the filter on or off, adjust the filter gain, and turn the filter on or off.
- Deinterlacer Control: Mdin150 IC parameters that convert the progress signal to an interlace signal. You cannot change the default settings.

-The Mdin function is for the visual quality setting. Since the default settings are the optimal settings, do not change the settings.

-Mdin 150



Upd64084	
DYGAIN	9
DYCOR	2
DCGAIN	4
DCCOR	10
VAPGain	3
VAPInv	15
YPFT	3
YPPG	8
YHCor	0

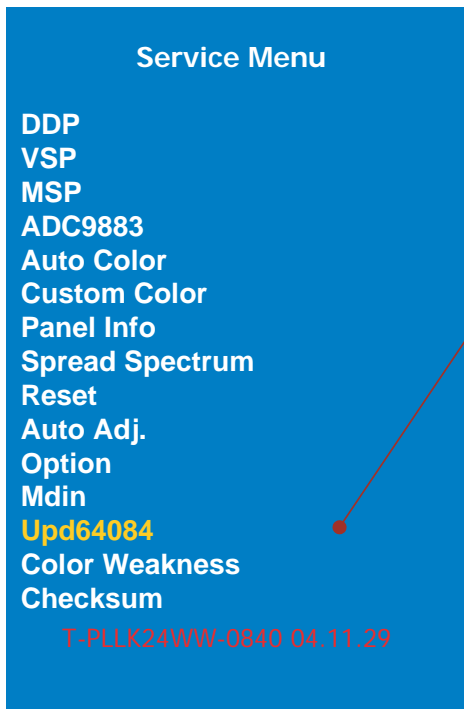
If the value of the Coring is low, it is close to a moving picture. If the value is high, it is close to a still picture. (Common for Y and C)

If the value of the Gain is low, it is close to a still picture. If the value is high, it is close to a moving picture. (Common for Y and C)

- DYGAIN : The Motion Detection Gain of Y that is used when separating Y and C.
- DYCOR : The Threshold Level to determine whether Y is a moving picture or a still picture.
- DCGAIN : The Motion Detection Gain of C that is used when separating Y and C.
- DYCOR : The Threshold Level to determine whether C is a moving picture or a still picture.

-Upd64084 is an IC that separates the CVBS signal into Y (contrast signal) and C (color signal). Do not change the default settings.

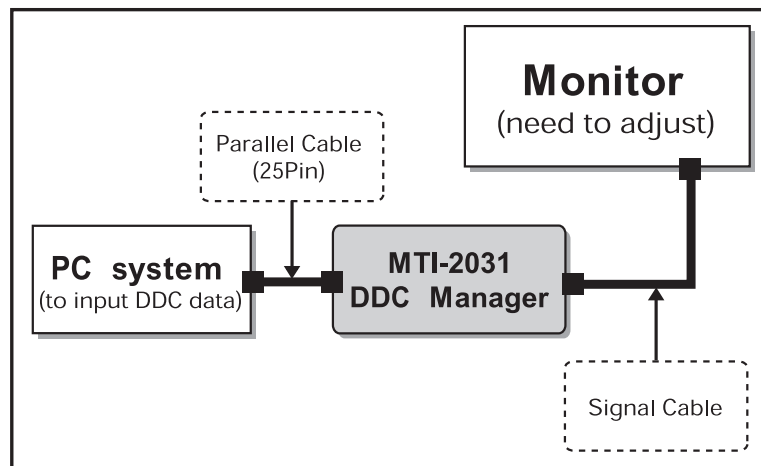
-Upd64084



Upd64084	
DYGAIN	9
DYCOR	2
DCGAIN	4
DCCOR	10
VAPGain	3
VAPInv	15
YPFT	3
YPPG	8
YHCor	0

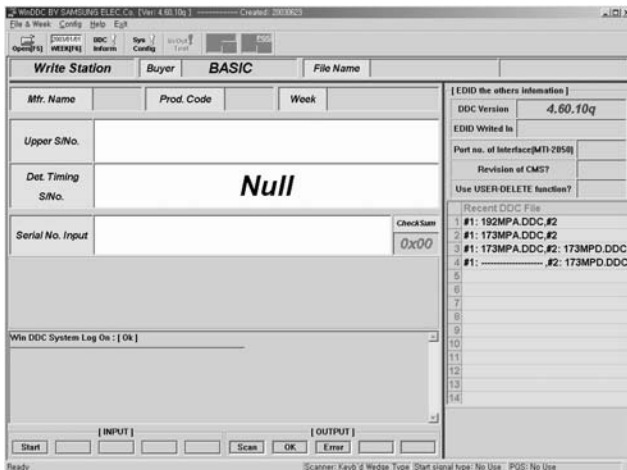
- VAPGain : The Vertical Compensation Gain of the video signal
- VAPInv : The Vertical Compensation Convergence Point of the video signal
- YPFT : The center frequency of the Contrast Signal Peaking Filter
- YPPG : The Gain of the Contrast Signal Peaking Filter
- YHCor : The Coring of the contrast signal in high frequency.

4-3 DDC jig installation



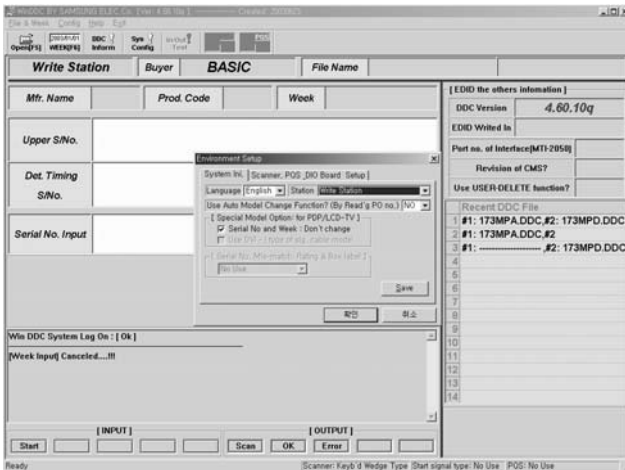
* Please use DVI cable connection adapter for DVI input.

4-4 How to execute DDC

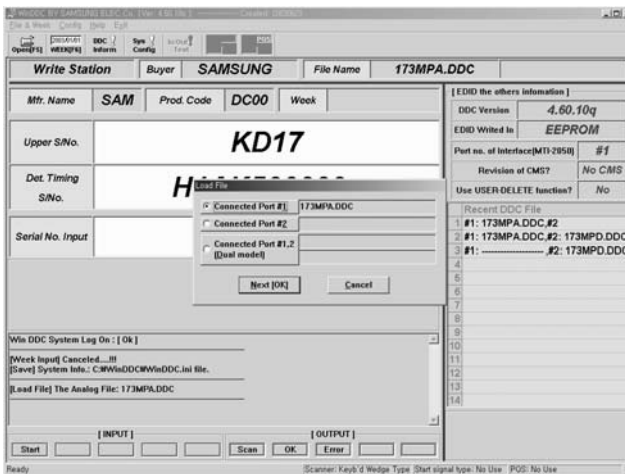


1. Execute "WinDDC.exe"

4 Alignments and Adjustments



- Click "Sys Config"
Select "Station : Write station".
Check "Serial No and Week : Don't change"
Click "Save"

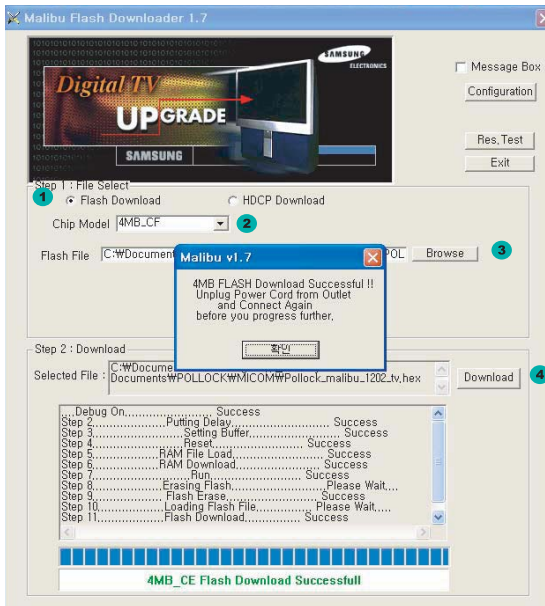


- Click "Open" icon.
Select "Connected Port #1" and Next "OK".
* File Name - 242MPA.DDC : Analog
242MPD.DDC : DVI
Press enter key on your keyboard.



- Confirm the "DDC OK".

4-5 Micom program upgrade

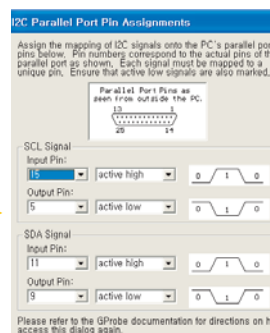
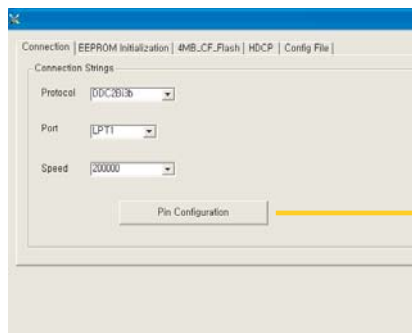


Make a connection as done for DDC input, and supply power to the set.

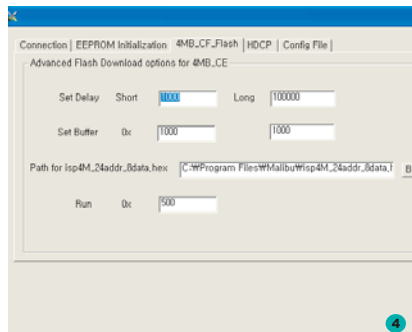
Run the Malibu Flash Downloader 1.7 program.

1. Select Flash Download.
2. Select 4MB_CF.
3. Select a program to download.
4. Click the Download button.

In Step 11, the Download Successful message appears when the download is complete.

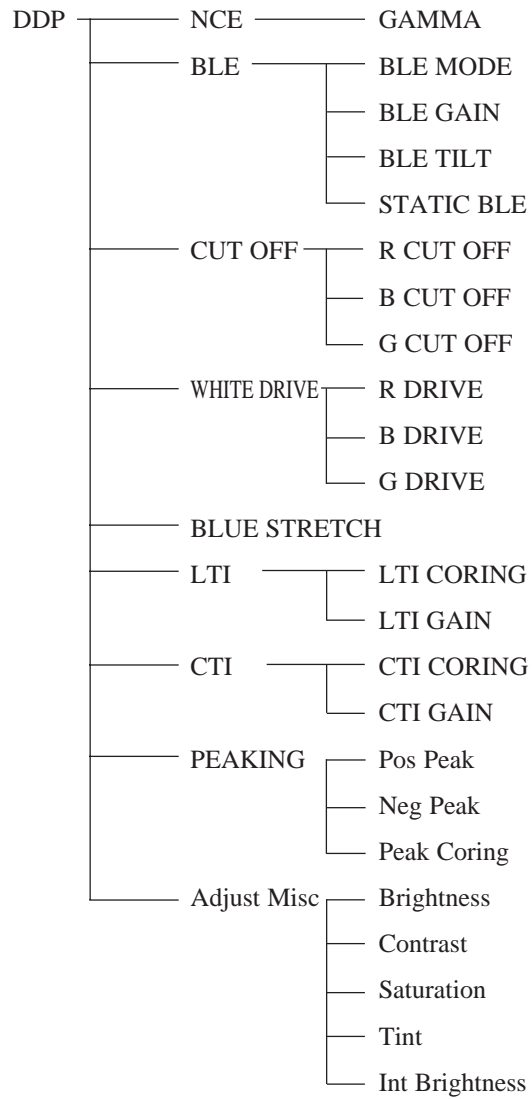


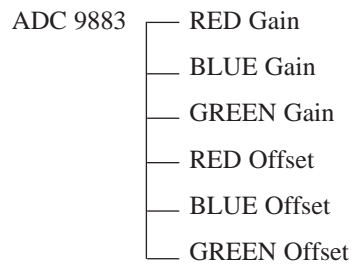
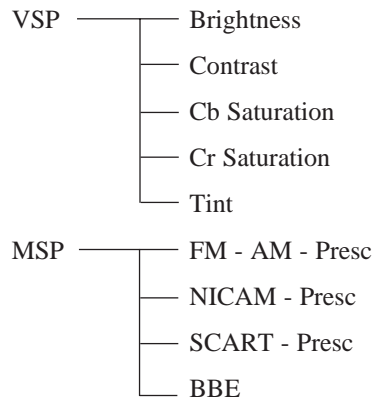
Please refer to the settings.



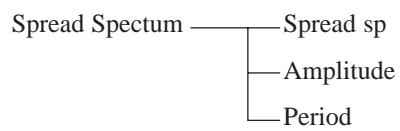
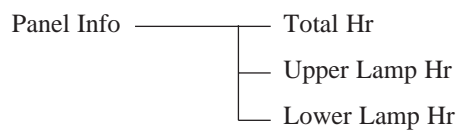
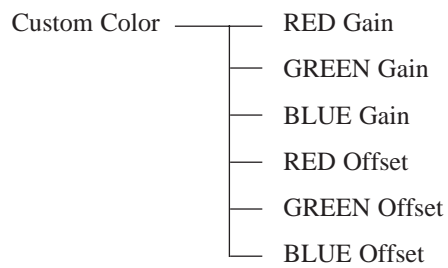
4-6 Factory Mode Adjustments

4-6-1 Factory Mode OSD

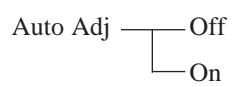




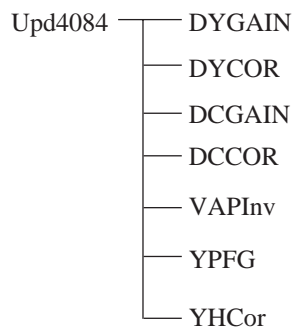
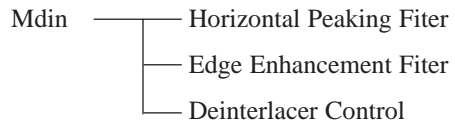
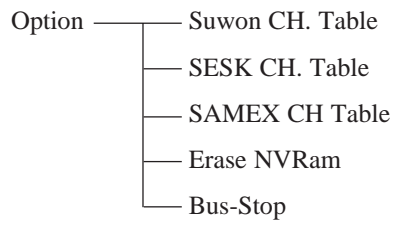
Auto Color



Reset



4 Alignments and Adjustments



Color weakness-Testpattern

Check Sum

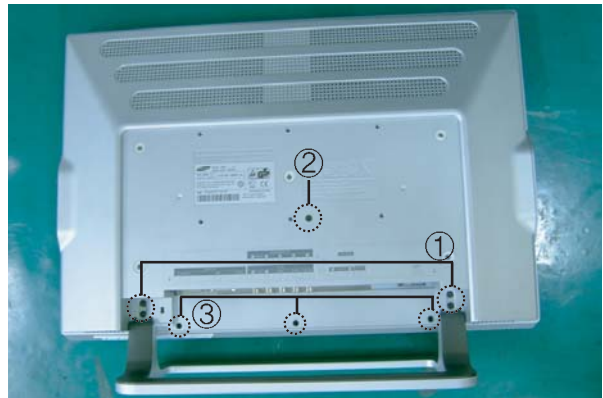
5 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the PO24FS LCD monitor.

⚠ **WARNING:** This monitor contains electrostatically sensitive devices. Use caution when handling these components.

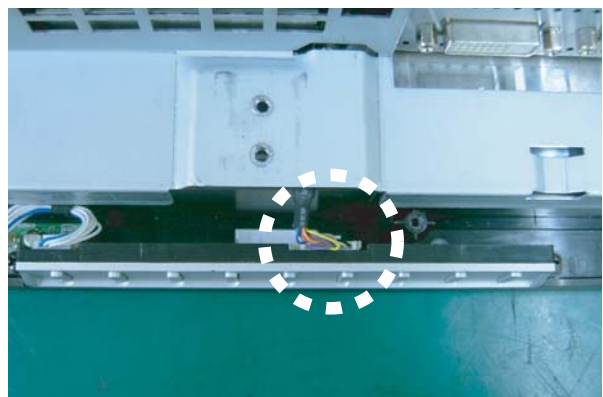
5-1 Disassembly

- ⚠ **Cautions:**
1. **Disconnect the monitor from the power source before disassembly.**
 2. **Follow these directions carefully; never use metal instruments to pry apart the cabinet.**
 3. **R/Cover opening jig : BH81-00001A**



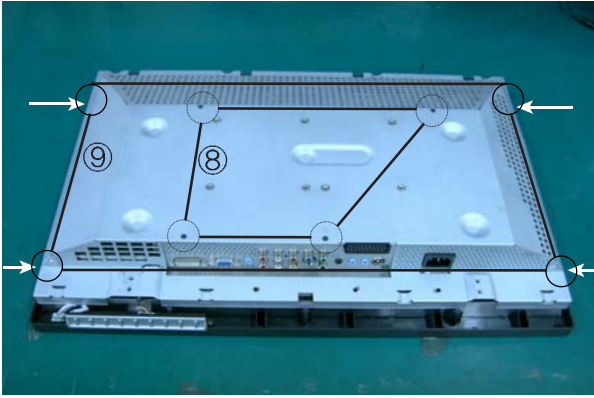
1. Place monitor face down on cushioned table. Lift up the stand cover and remove 8 screws from the back cover.

- ① BH, +, B, M3, L10, BLK, SWCH1018AK
- ② FH, +, S, M4, L8, ZPC(BLK), SWRCH18A
- ③ BH, +, B, M4, L12, ZPC(BLK), SWRCH18



2. Lift up the back cover and disconnect Function Connector.

5 Disassembly and Reassembly



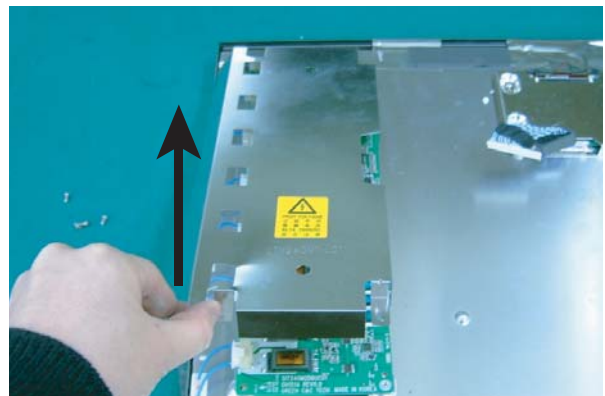
3. Remove 4 screws from the Shield and lift up the shield.

⑧ FH, +, B, M3, L8, BLK, PLT, SWRCH18A

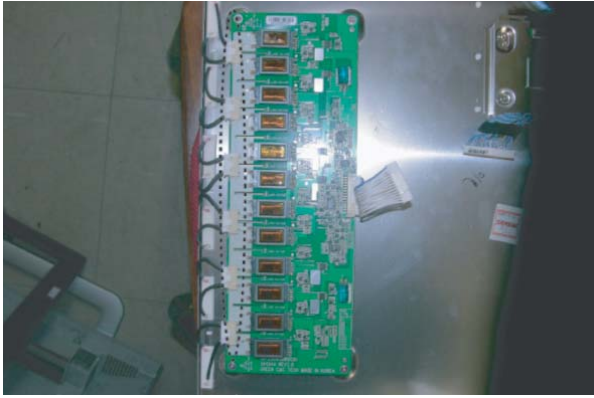
⑨ FH, +, M3, L6, N1 PLT, SWRCH18A, FP



4. Disconnect cables and remove 4 screws from the Invert PCB shield.



5. Lift up the shield.



6. Disconnect cables and remove 4 screws.



7. Lift up the board.

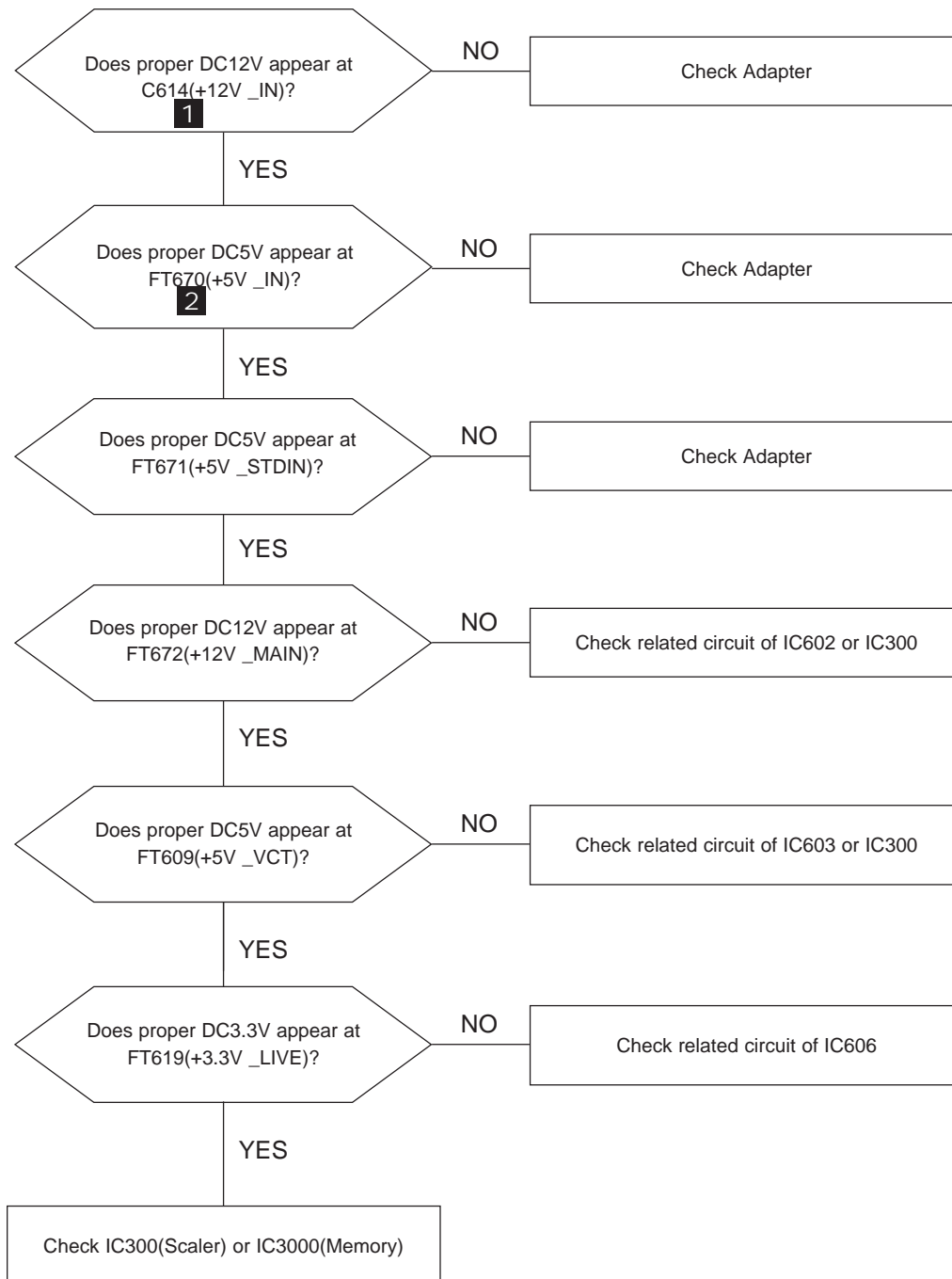
5-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures, place the lamp wire correctly in the locator groove so that the wire will not bind or interfere with rear cover.

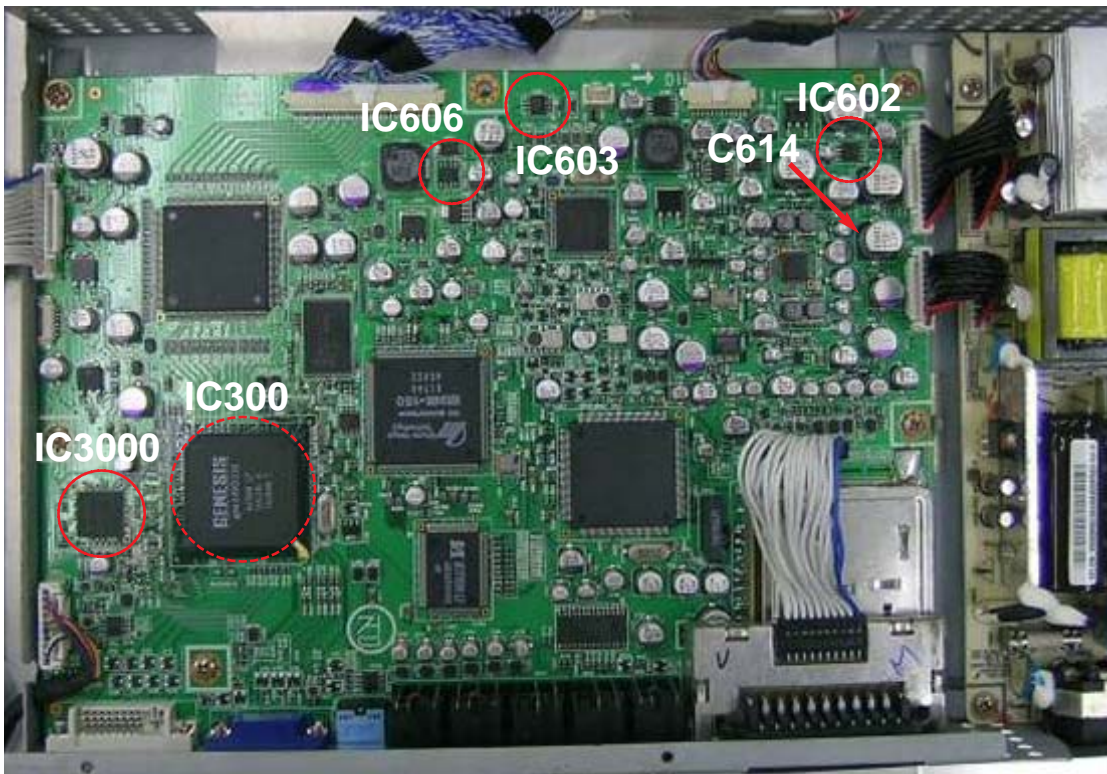
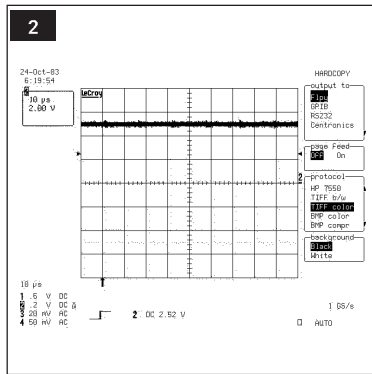
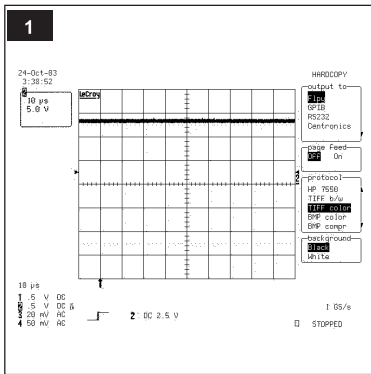
Memo

6 Troubleshooting

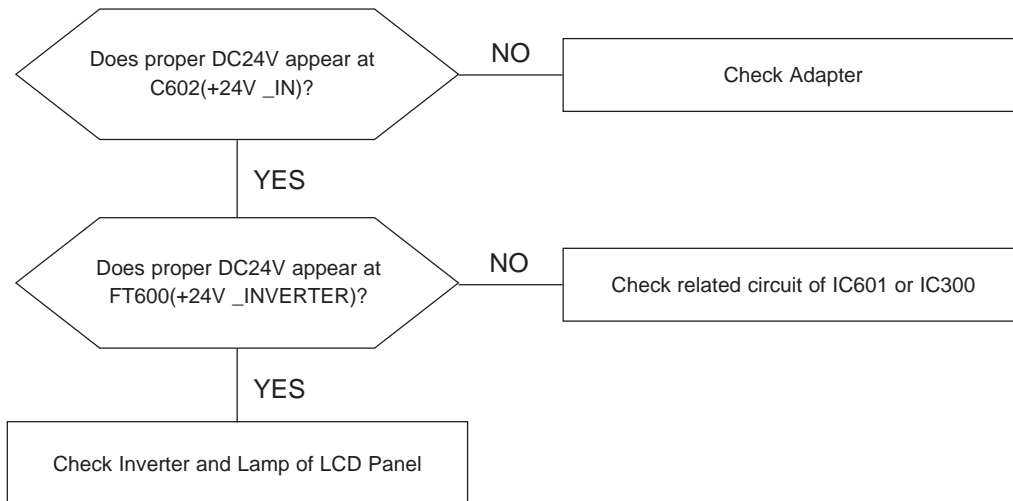
6-1 No Power



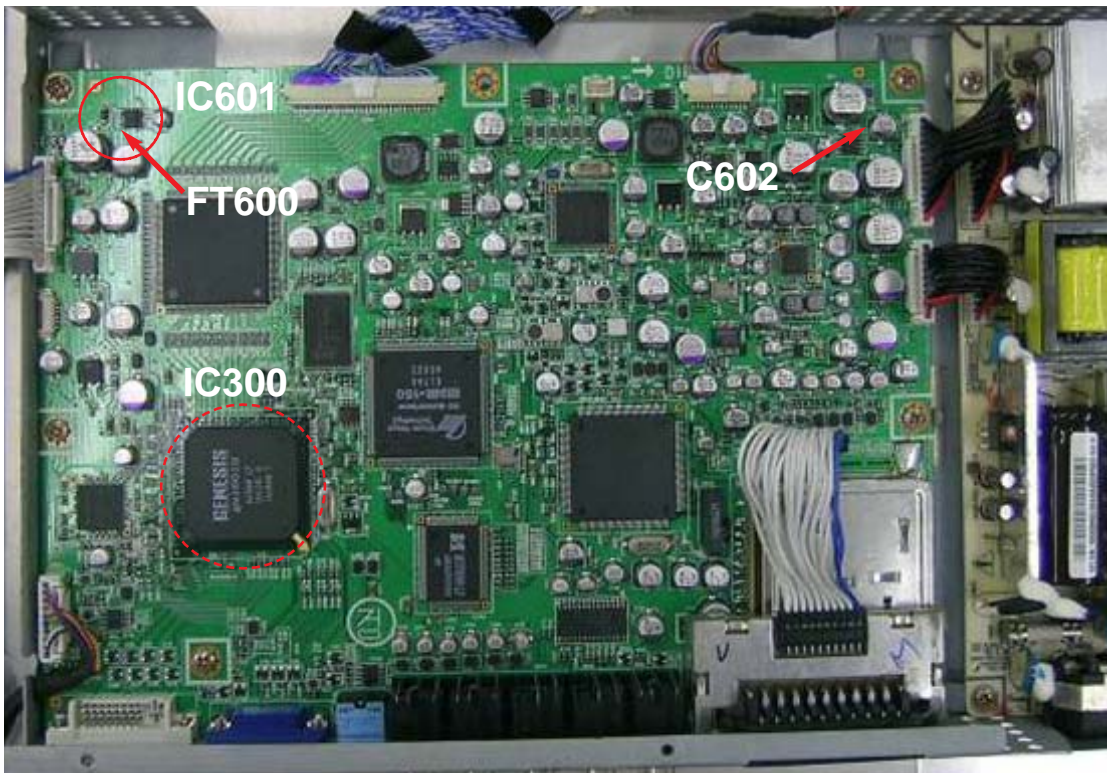
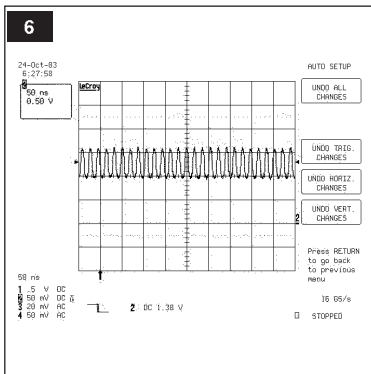
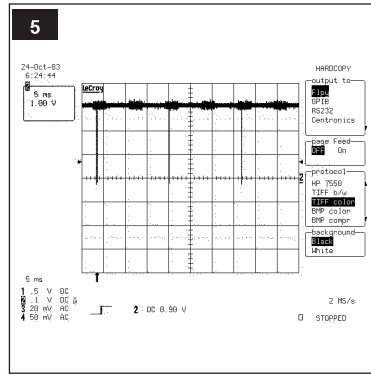
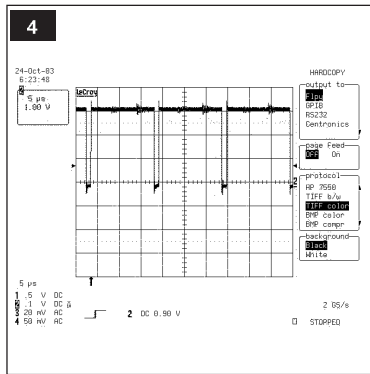
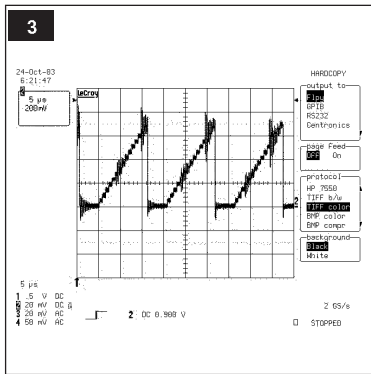
WAVEFORMS



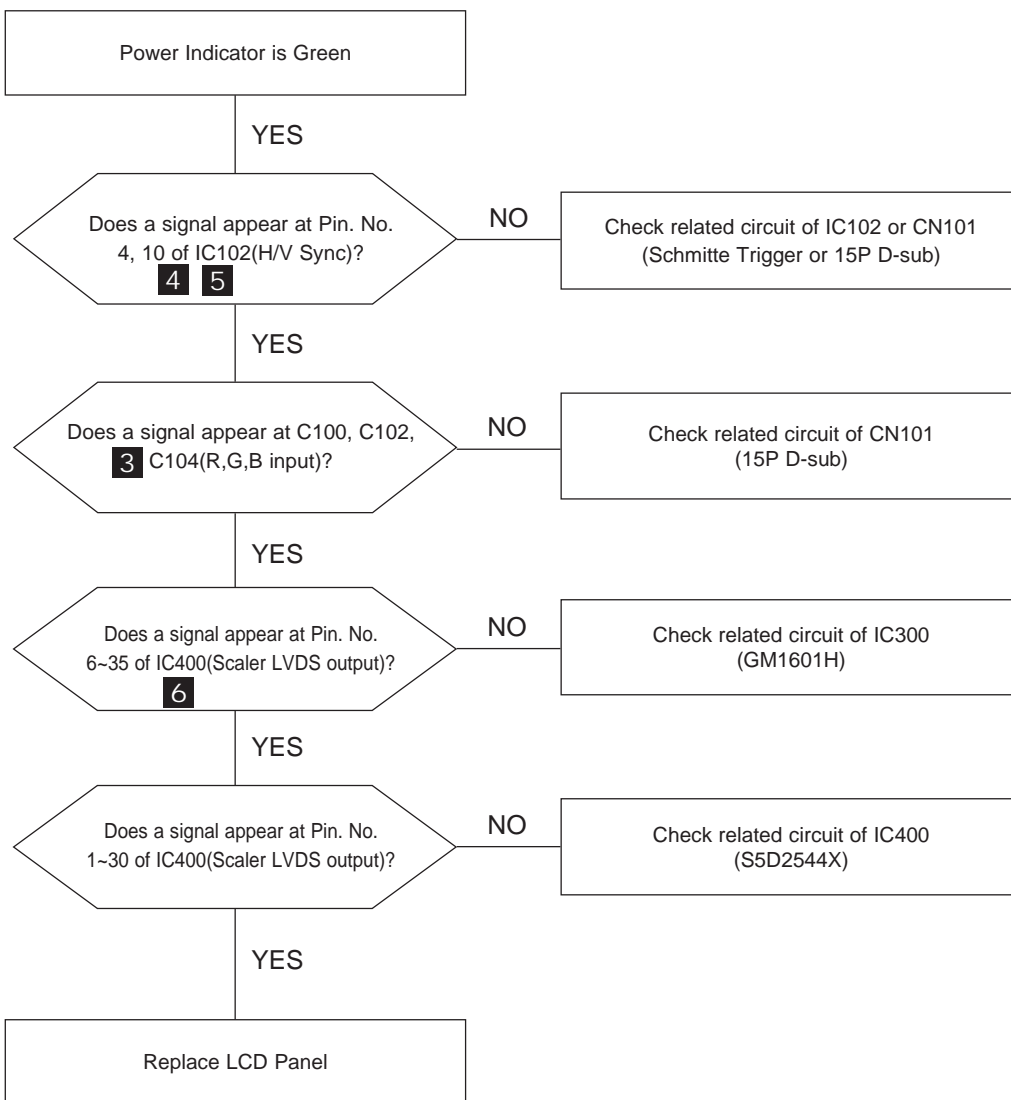
6-2 No Lamp



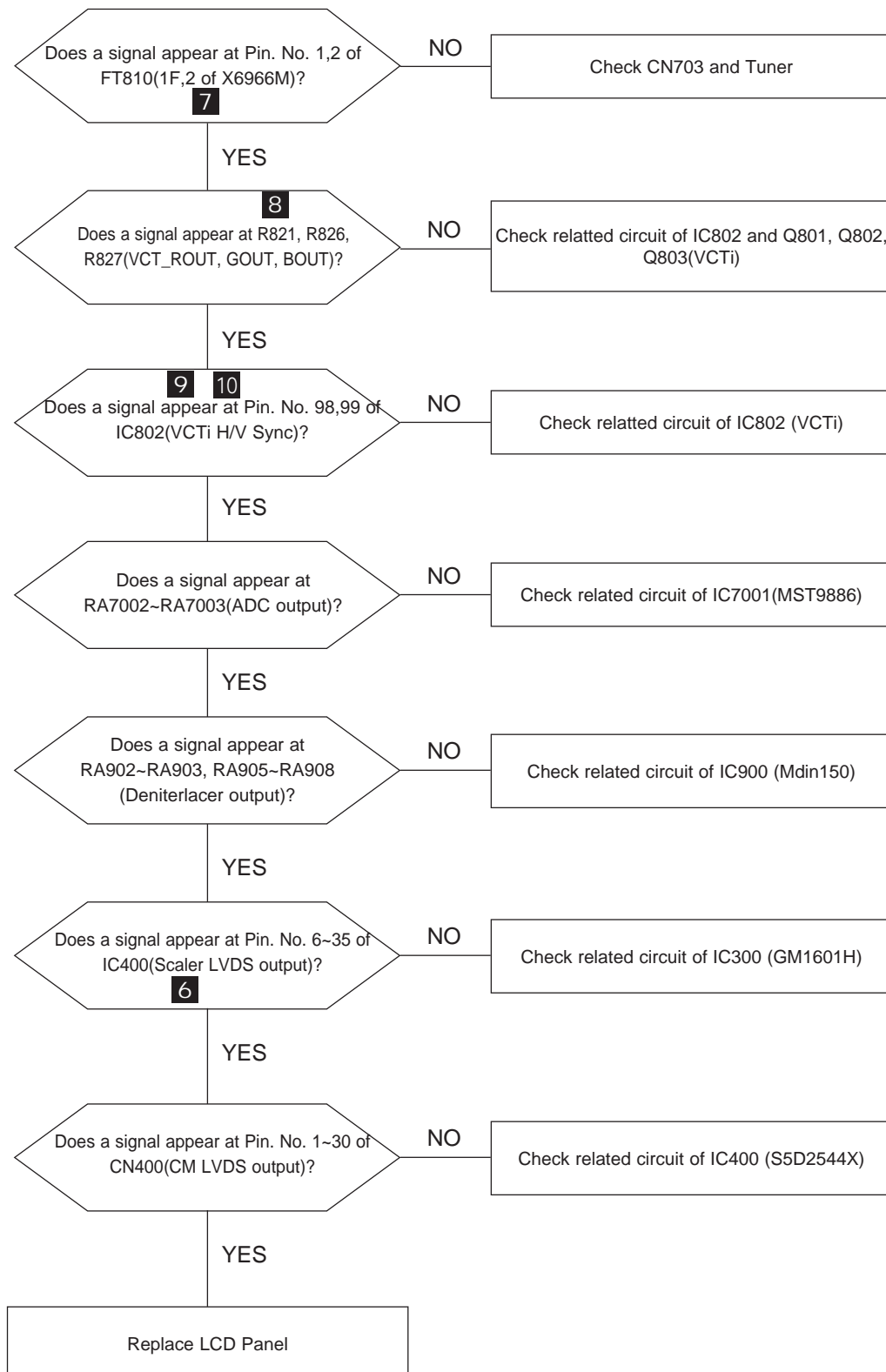
WAVEFORMS



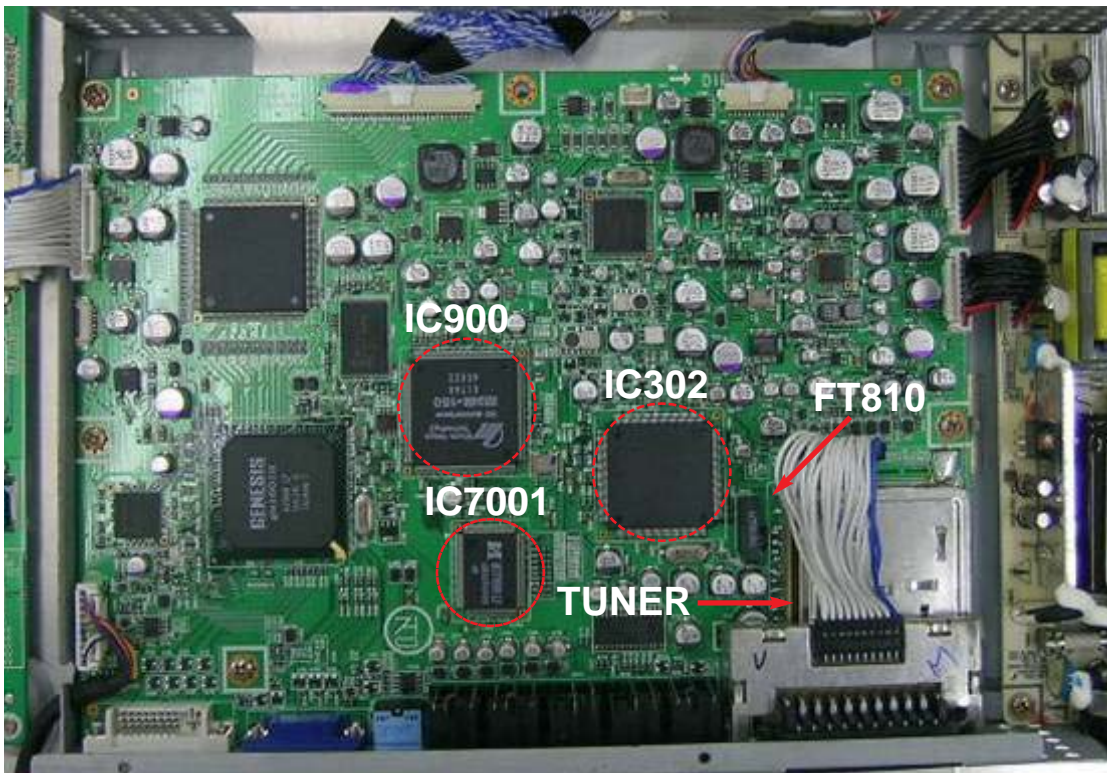
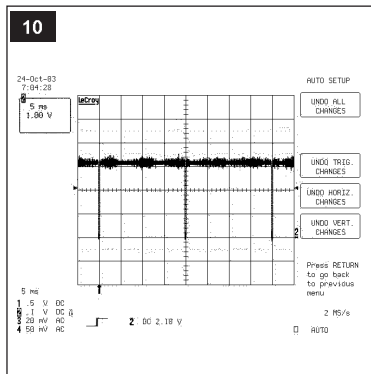
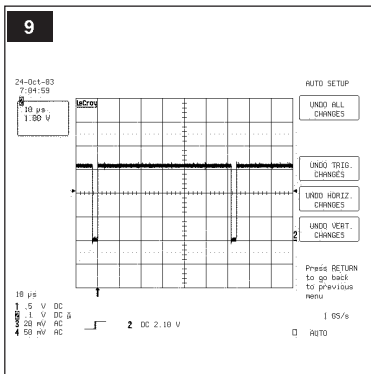
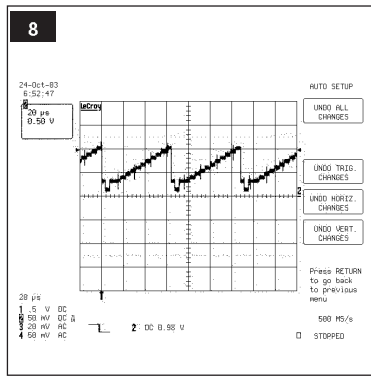
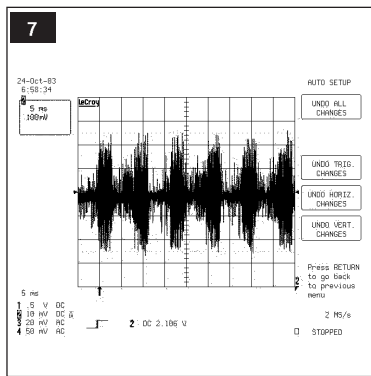
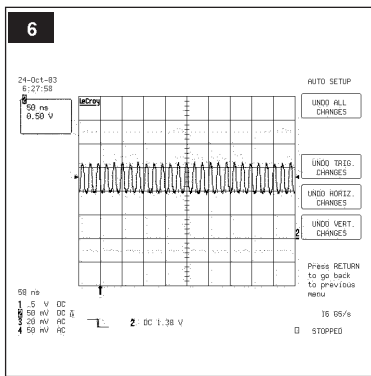
6-3 No Video (PC Signal)



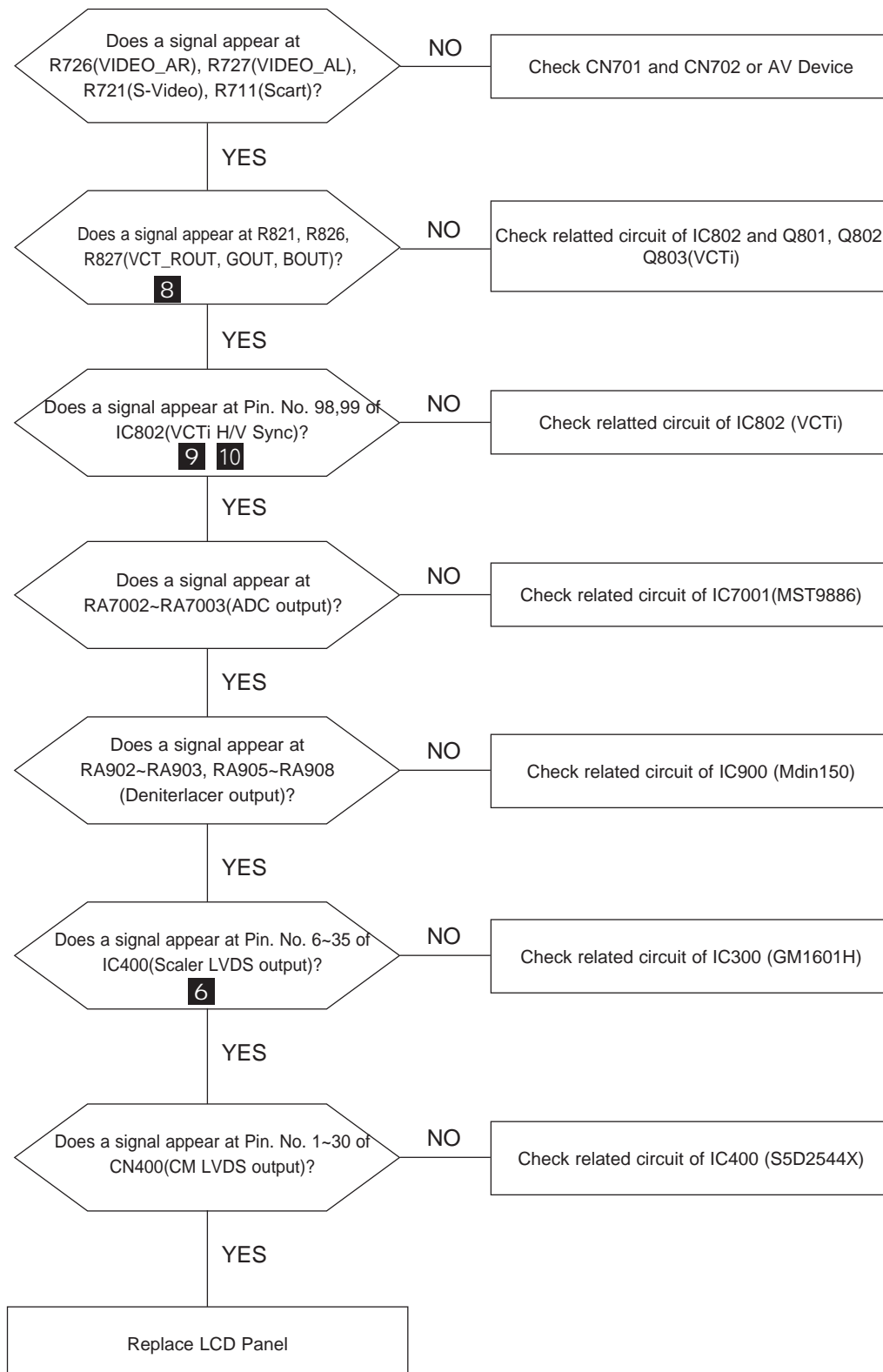
6-4 No Picture (TV Signal)



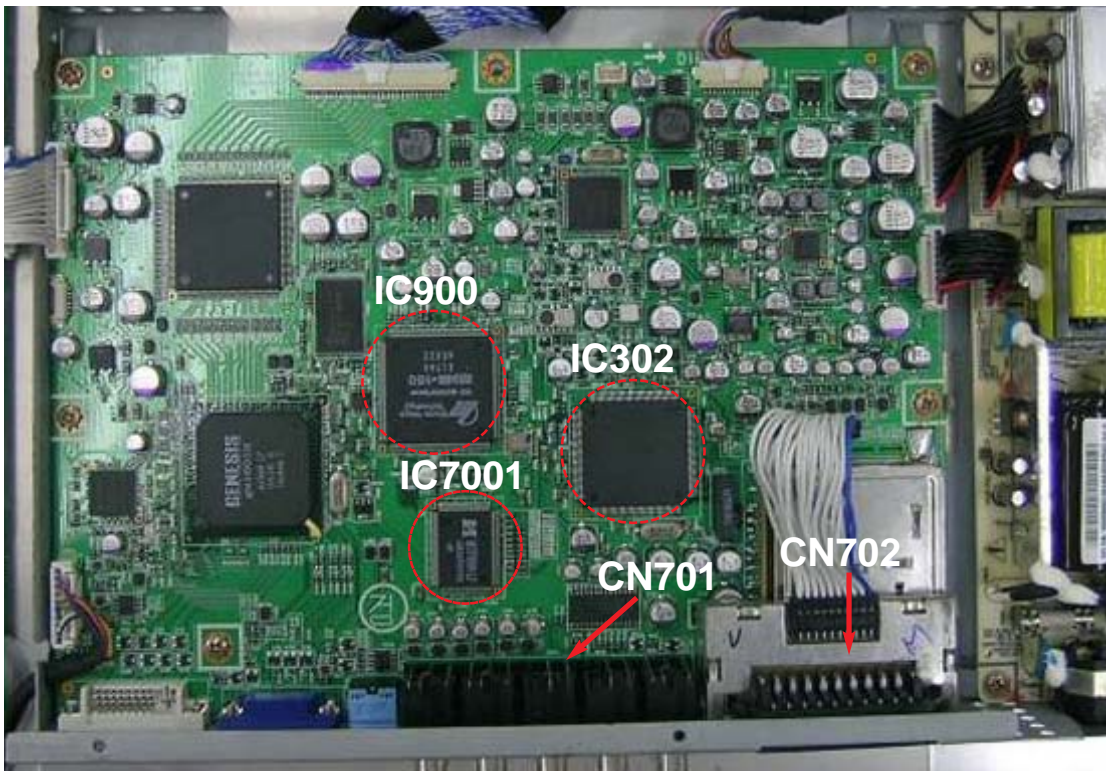
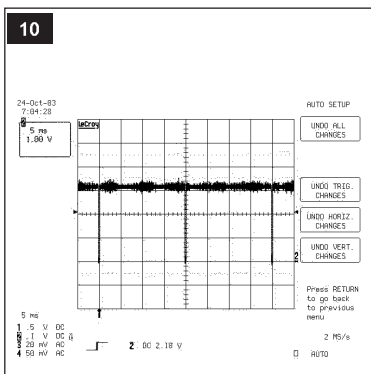
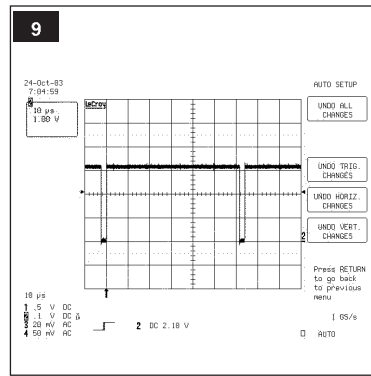
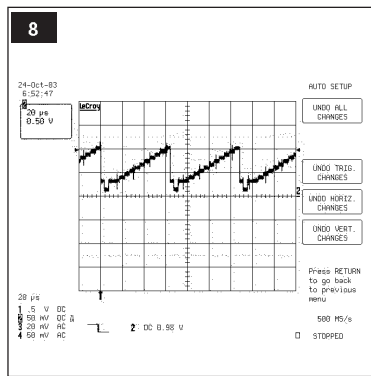
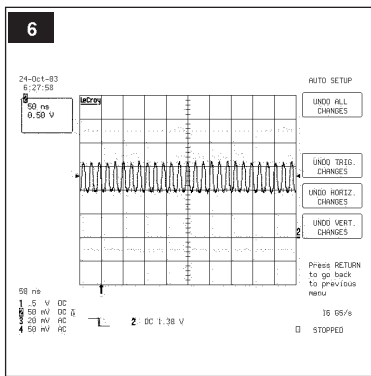
WAVEFORMS



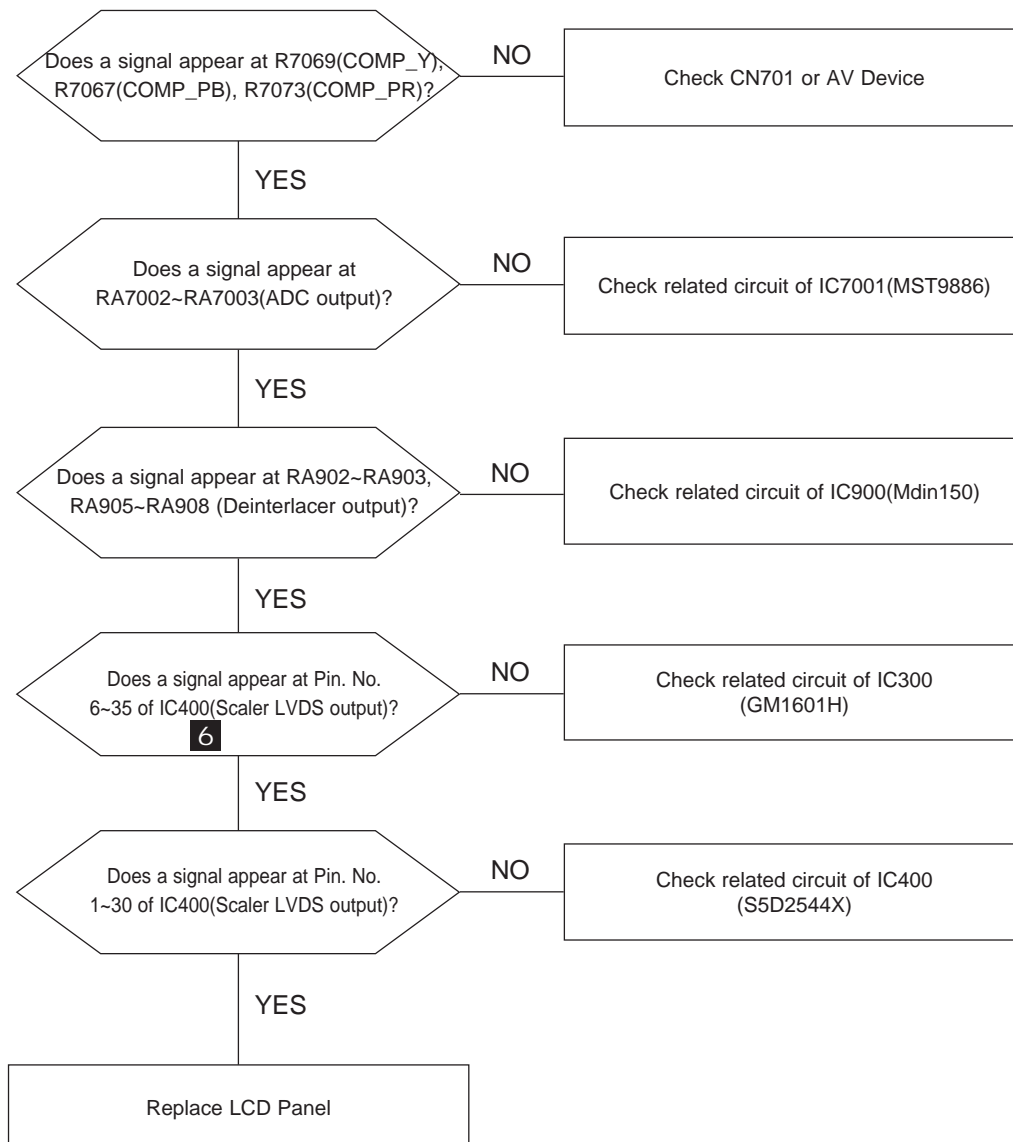
6-5 No Picture (Video, S-Video, Scart)



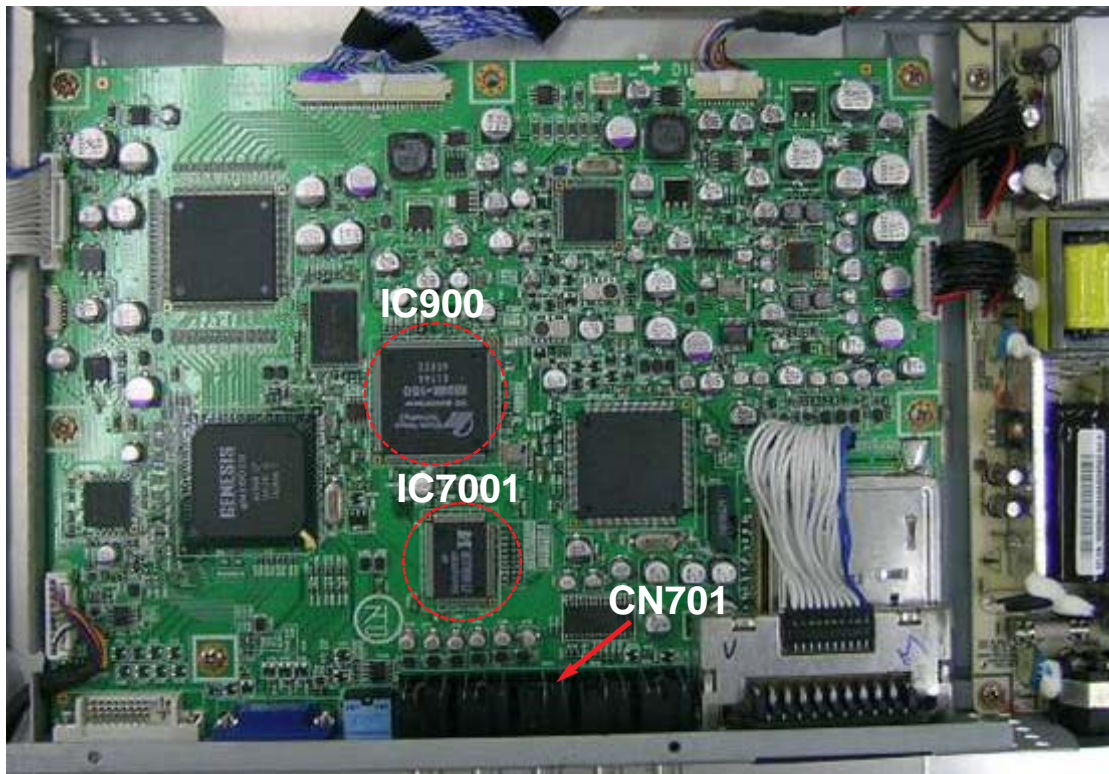
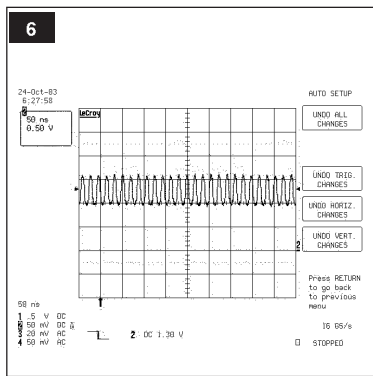
WAVEFORMS



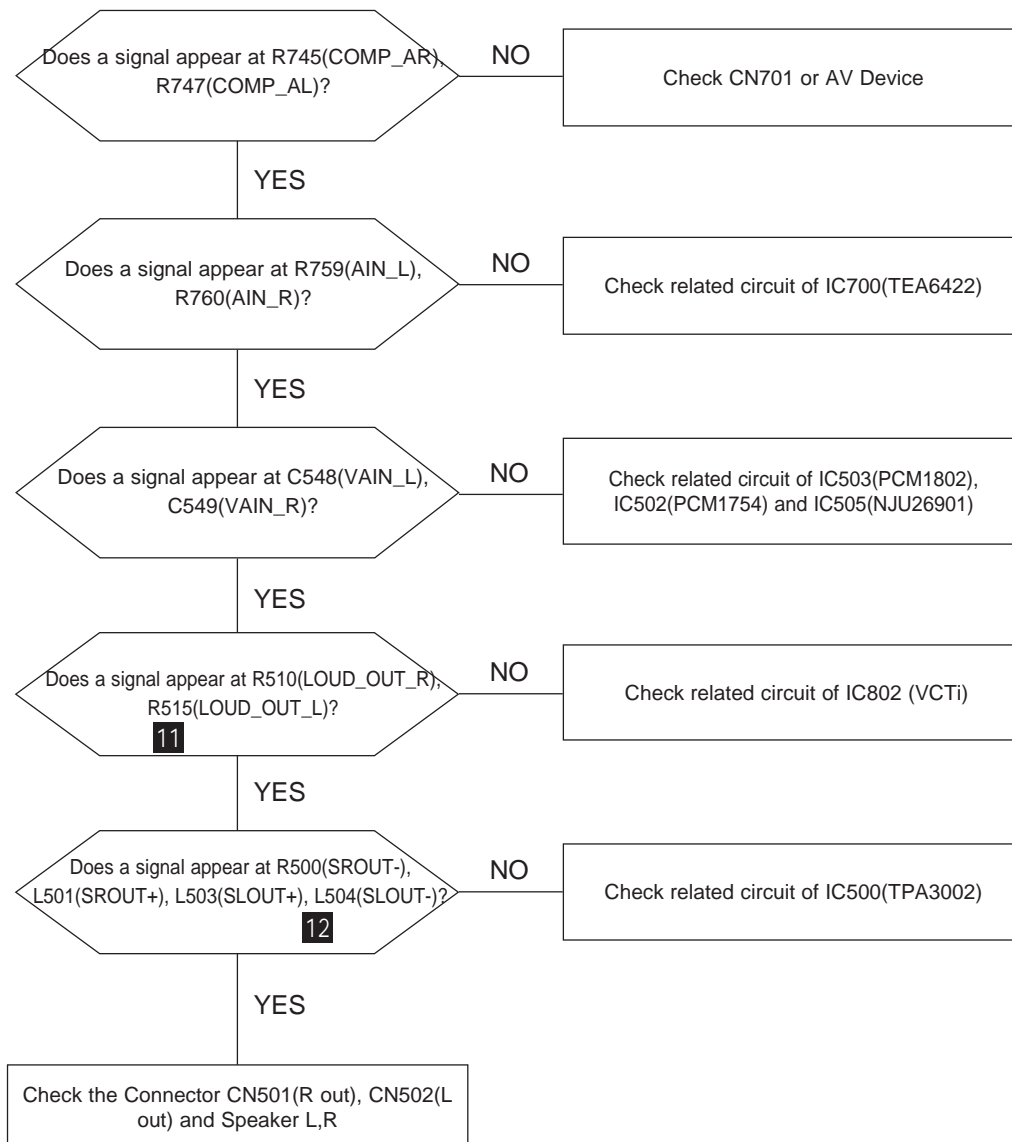
6-6 No Picture(COMPONENT)



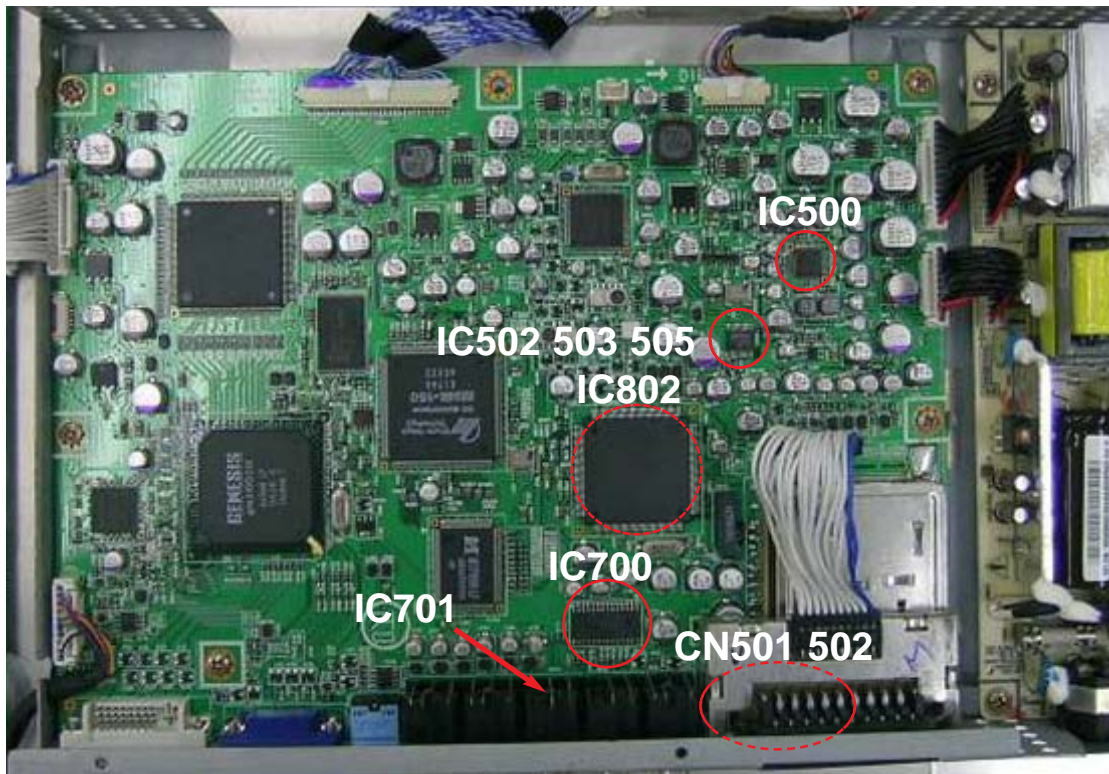
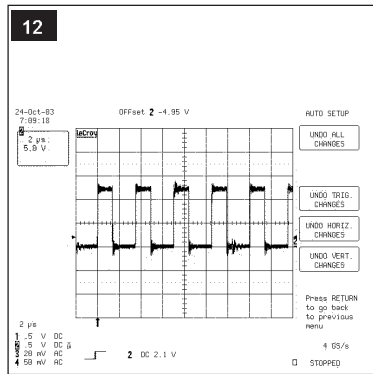
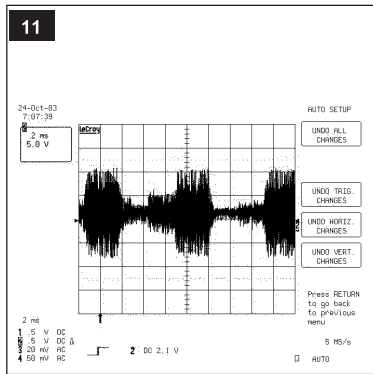
WAVEFORMS



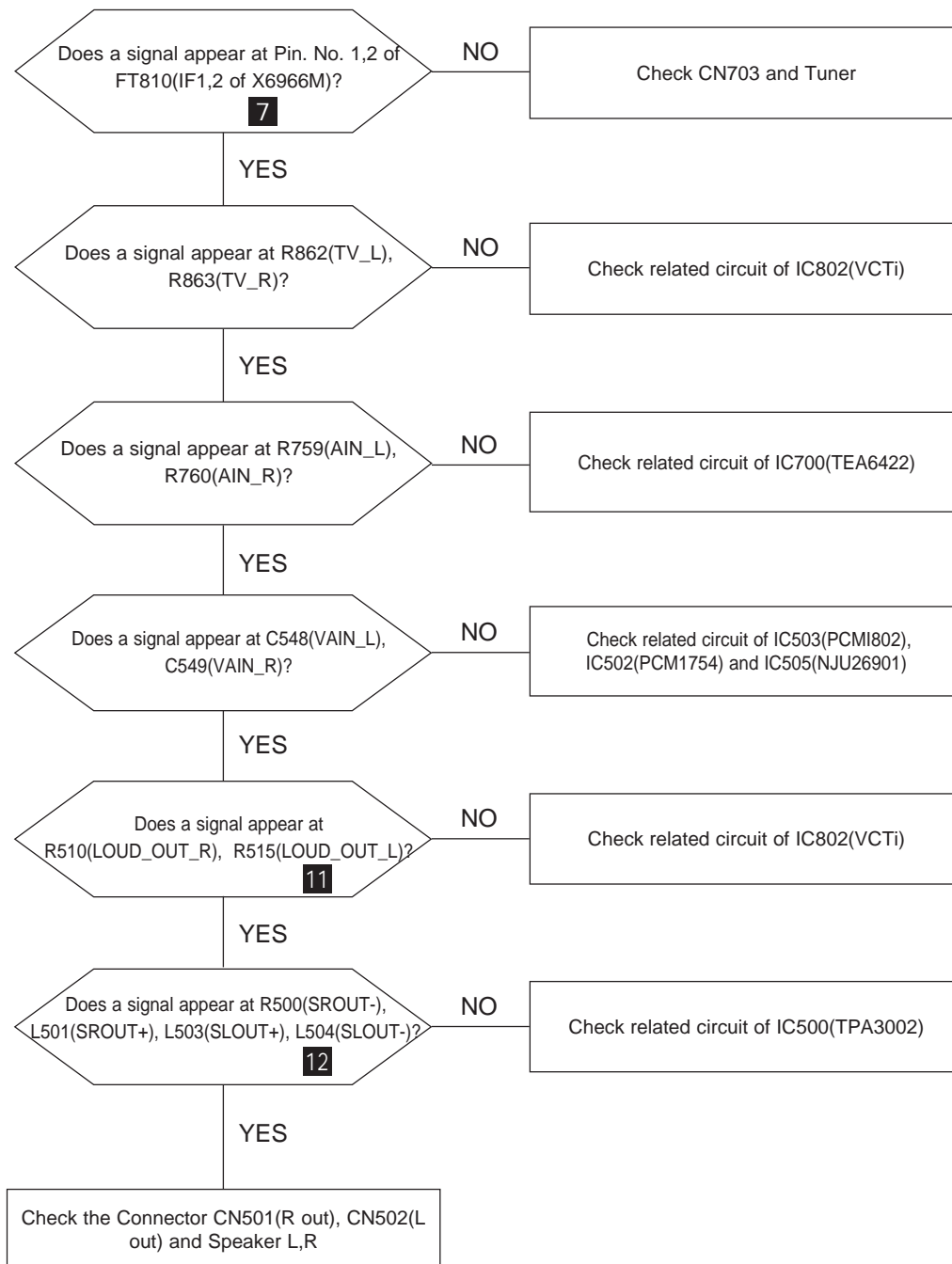
6-7 No Sound(Component)



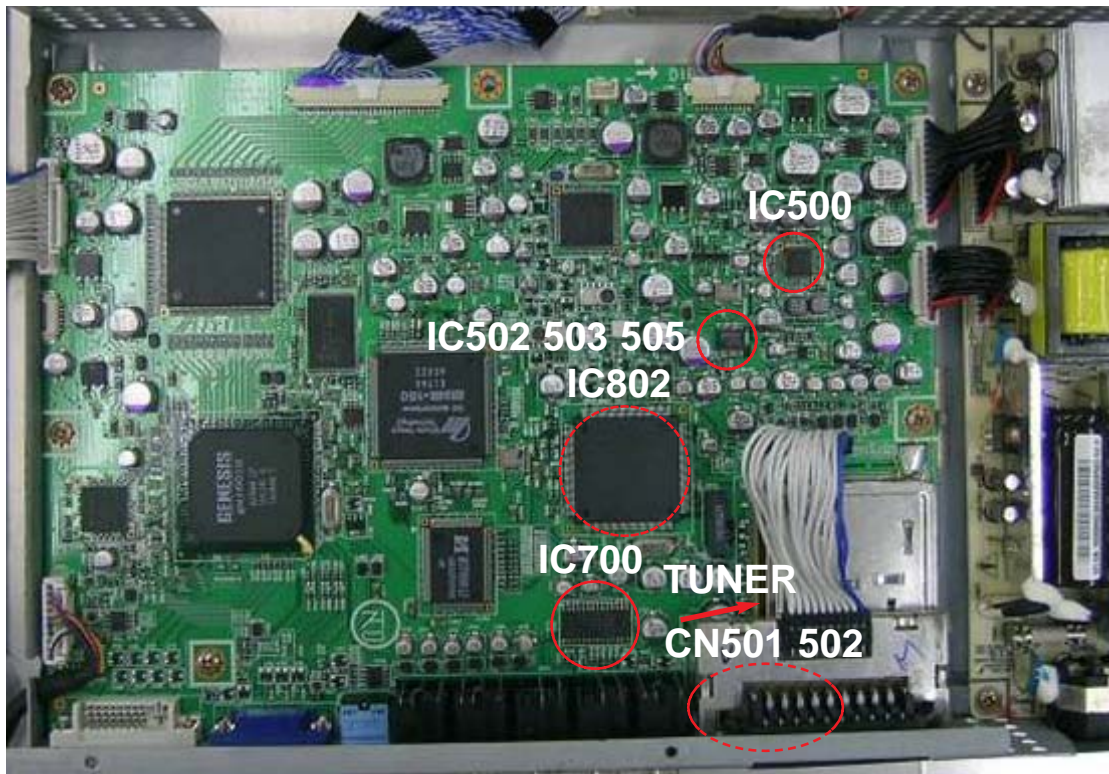
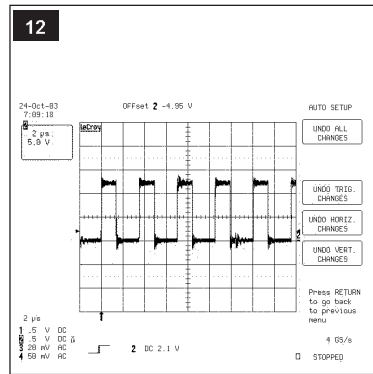
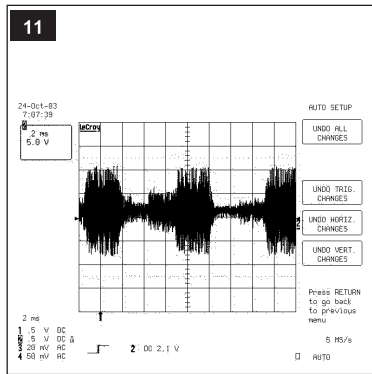
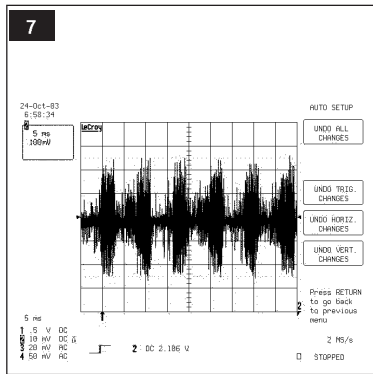
WAVEFORMS



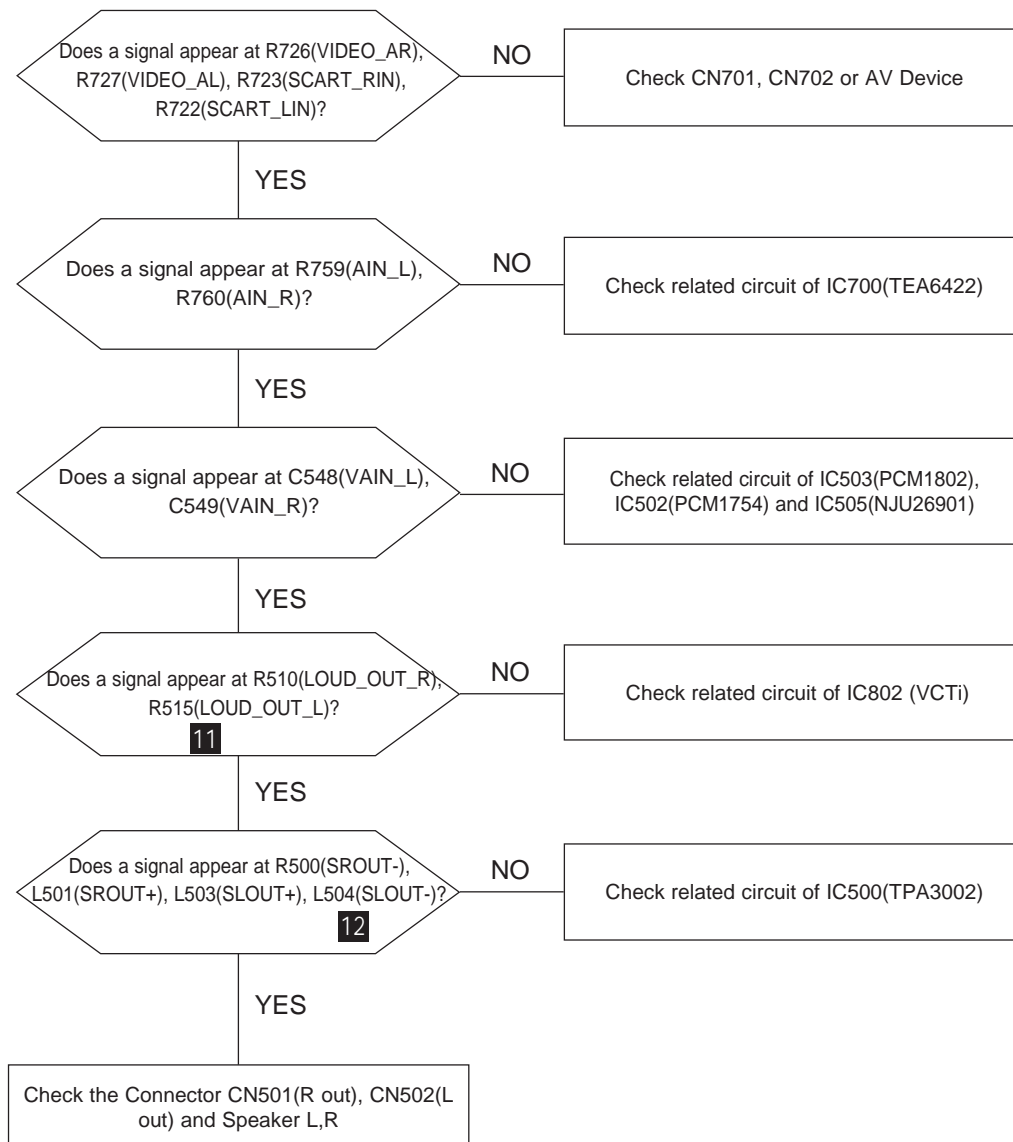
6-8 No Sound(TV)



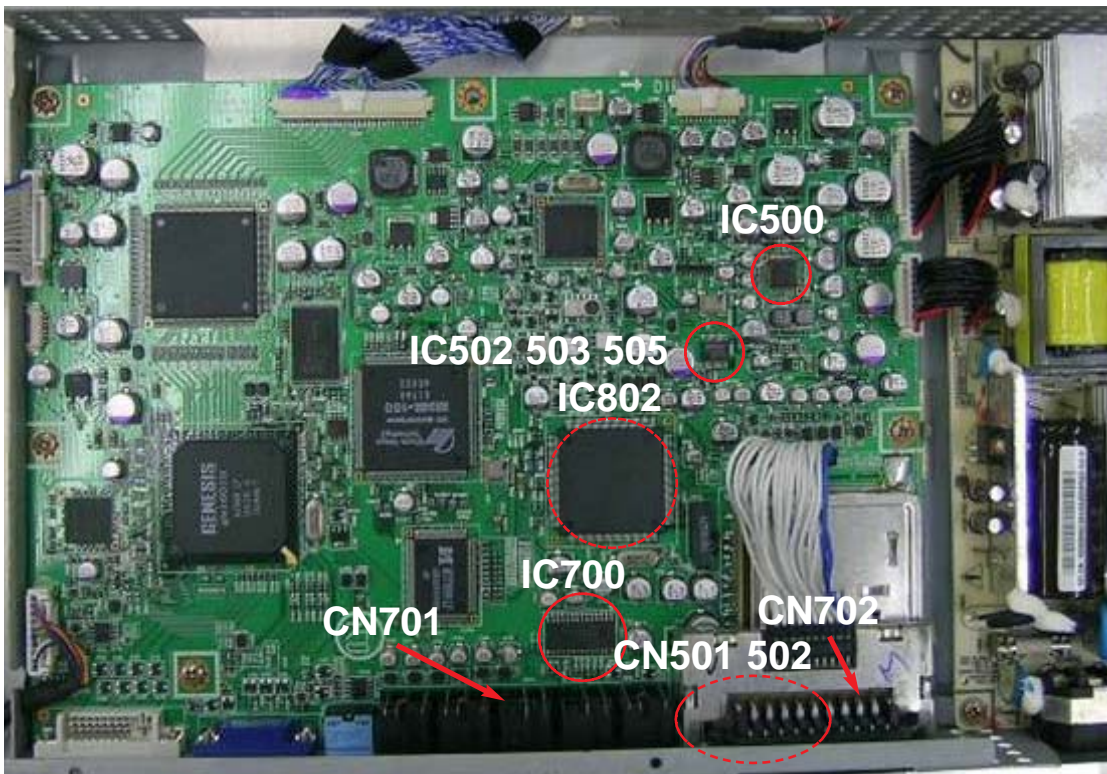
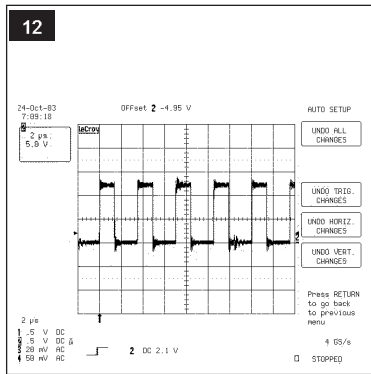
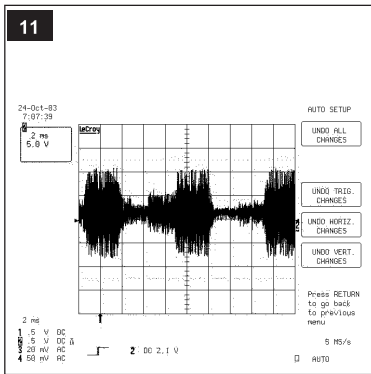
WAVEFORMS



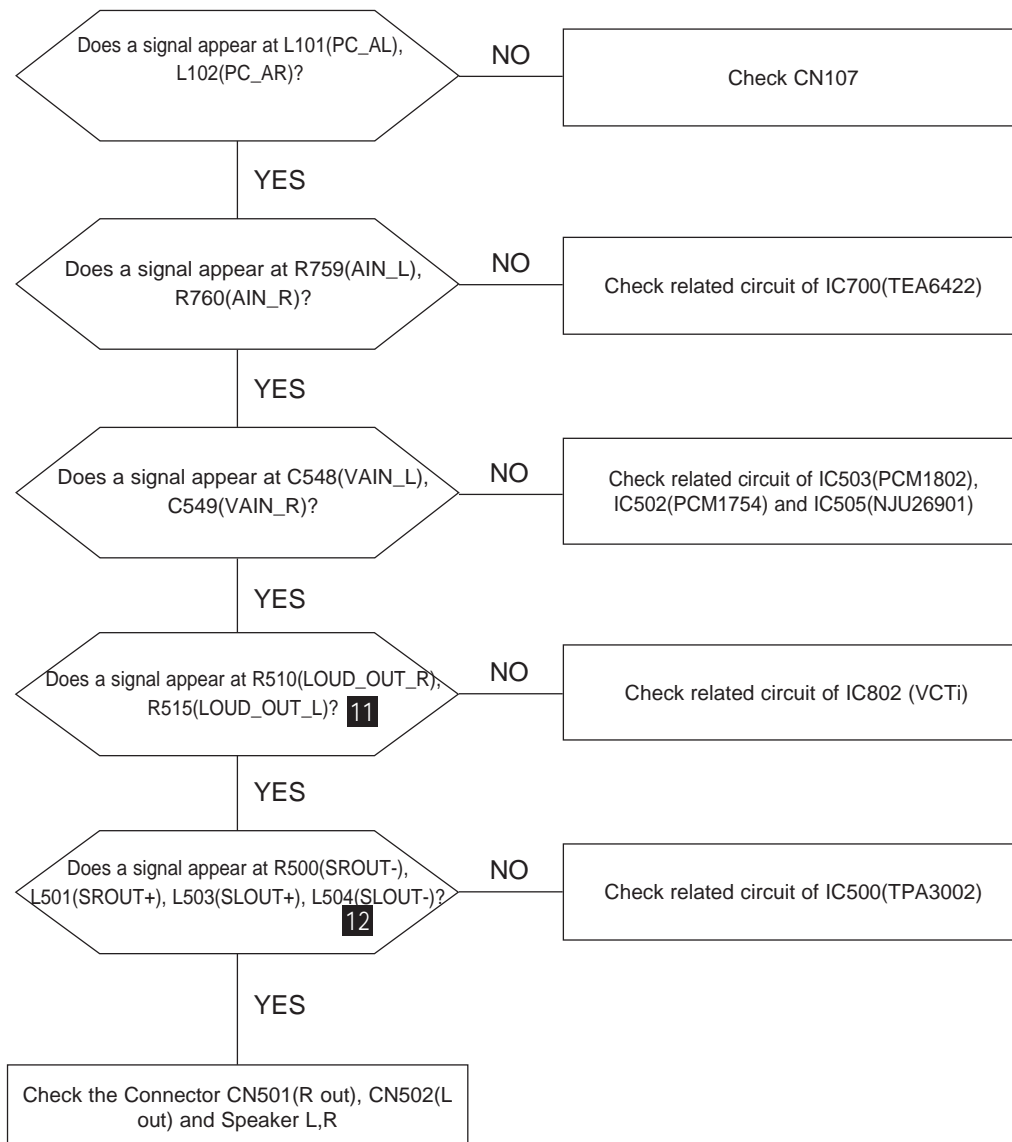
6-9 No Sound(VIDEO, S-VIDEO, SCART)



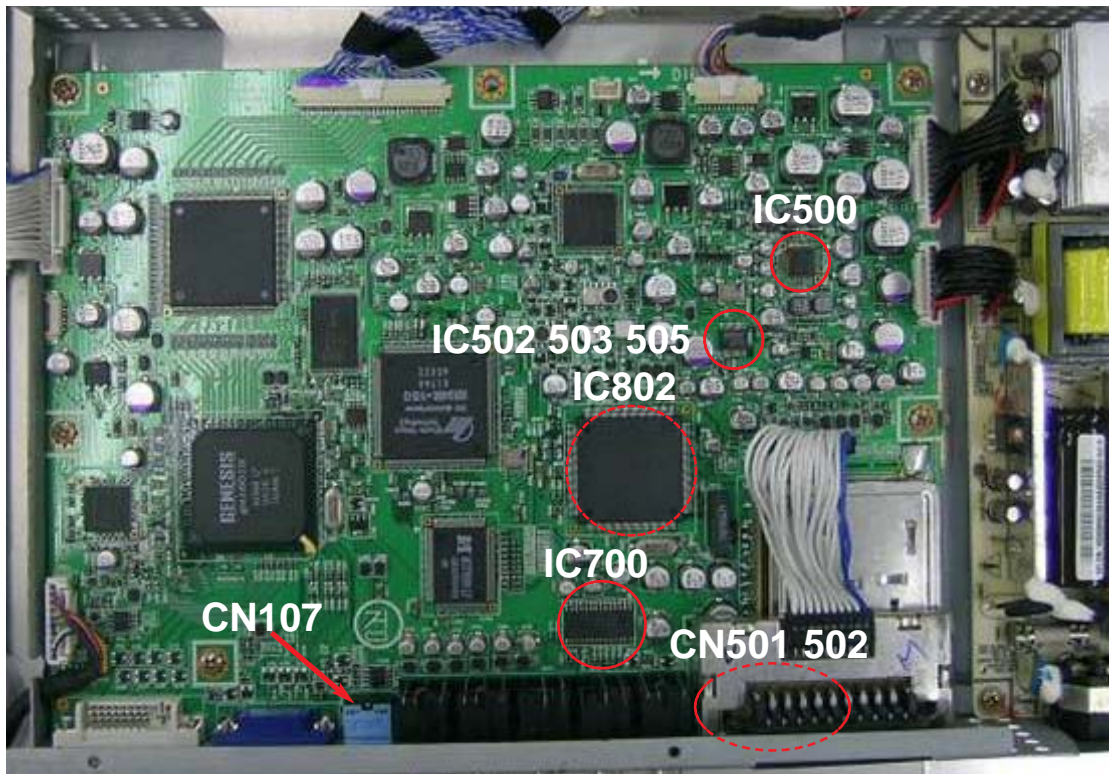
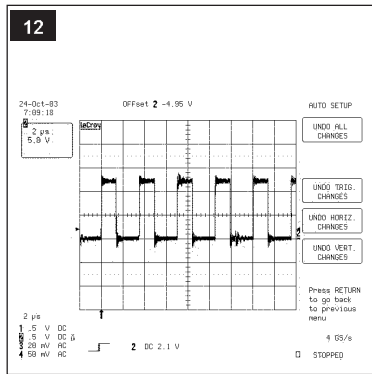
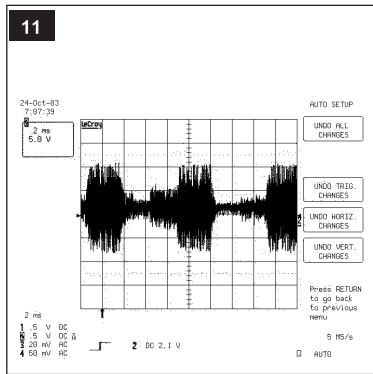
WAVEFORMS



6-10 No Sound(PC)



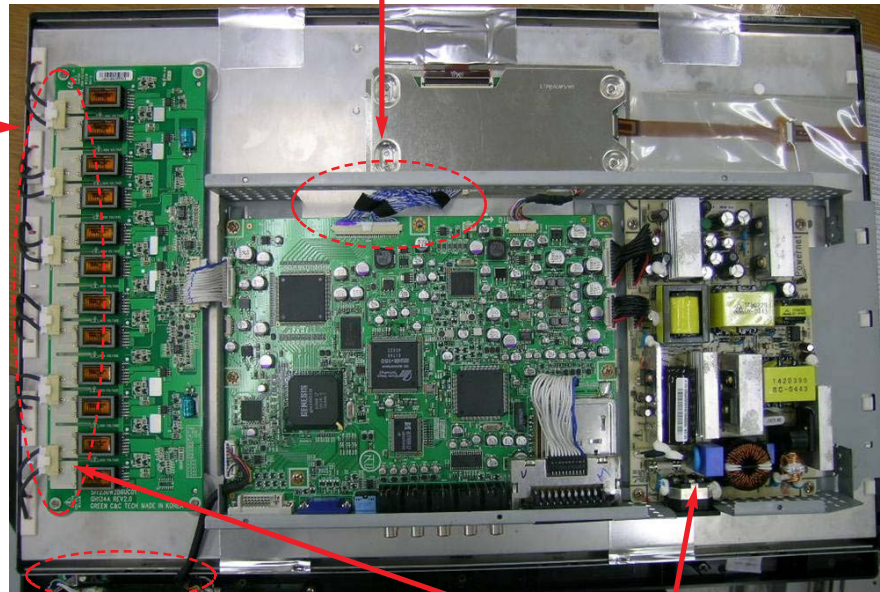
WAVEFORMS



6-11 Problems & Troubleshooting (Checklist)

When display noises such as vertical lines or dots appear on the screen.

When the screen repeatedly powers on and off, this is probably due to one of the Backlight wires being disconnected.



When any of the function keys or the IR does not work.

High voltages run through the primary GND and the lamp wires on the IP board. Do not touch them under any circumstances. This will cause electrical shock.

6-12 Voltage Checkpoint (INVERTER)



Pin	Signal
14	INVERTER 24V
13	INVERTER 24V
12	INVERTER 24V
11	INVERTER 24V
10	GND (24V)
9	GND (24V)
8	GND (24V)
7	GND (24V)
6	13V
5	GND (13V)
4	12V
3	12V
2	GND (12V)
1	GND (12V)

While the power is off, the #2 pin STD of the 10-pin connector still runs an electric current of 5V while the others are turned off and go into standby. The consumption power is satisfied in this way.

Pin	Signal
10	DC 5V
9	DC 5V
8	DC 5V
7	DC 5V
6	GND(5V)
5	GND(5V)
4	GND(5V)
3	GND(STABD-BY 5V)
2	STAND-BY 5V
1	POWER ON/OFF

6-13 Voltage Checkpoint (SMPS)



Pin	Signal
14	INVERTER 24V
13	INVERTER 24V
12	INVERTER 24V
11	INVERTER 24V
10	INVERTER 24V
9	GND (24V)
8	GND (24V)
7	GND (24V)
6	GND (24V)
5	GND (24V)
4	-
3	BACKLIGHT ENABLE
2	BACKLIGHT CONTROL
1	PWM DIMMING

When any one of the backlight lamp wires is disconnected, the screen will repeatedly power on and off, to protect the screen. First check the lamp wires.

6-14 Follow-ups for Board Replacement

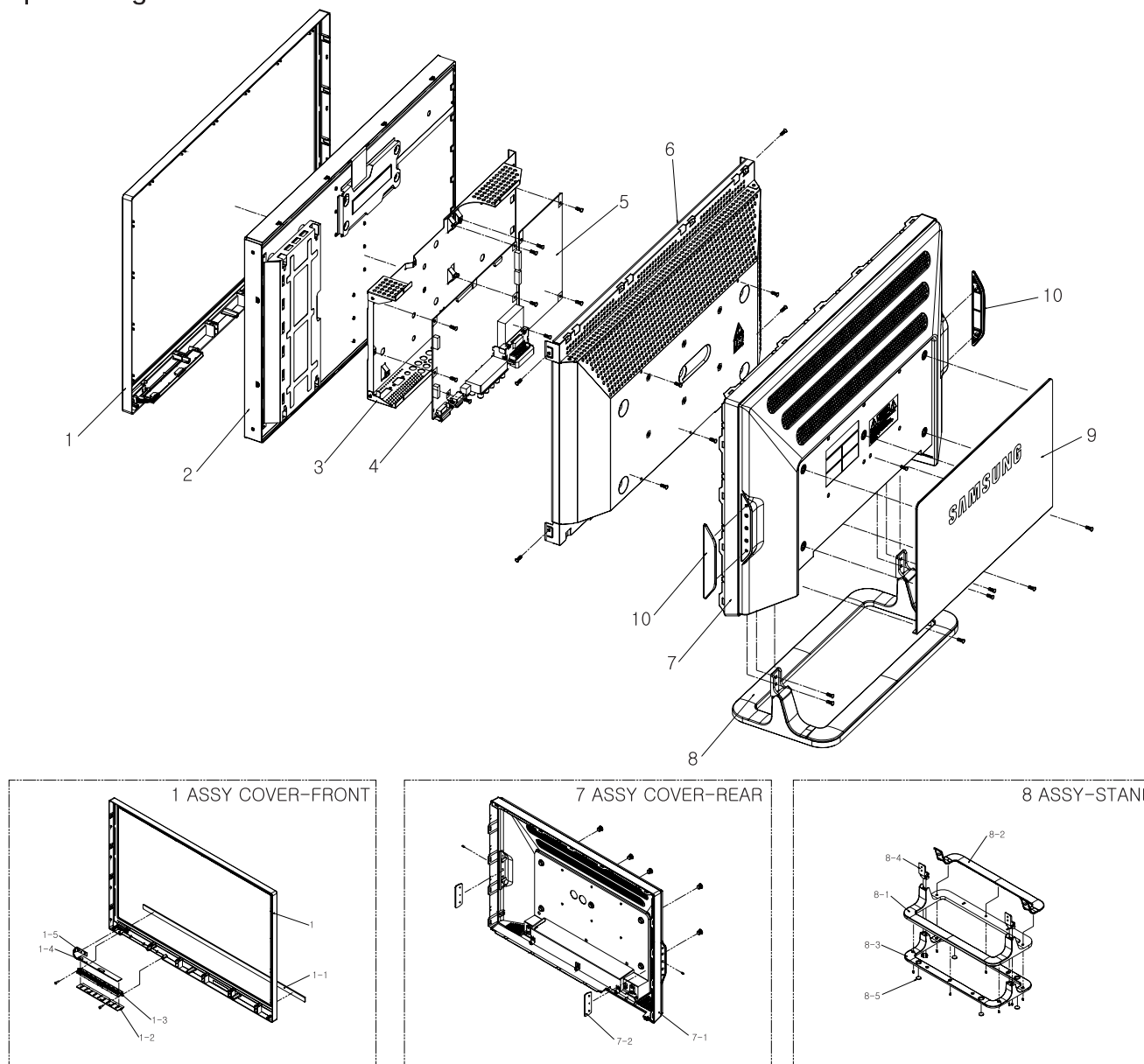
- Check if the PC colors are properly adjusted.
- DDC Input (Both analog and digital inputs required)
- Perform a hard power off after resetting in service mode.

MEMO

7 Exploded View & Parts List

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

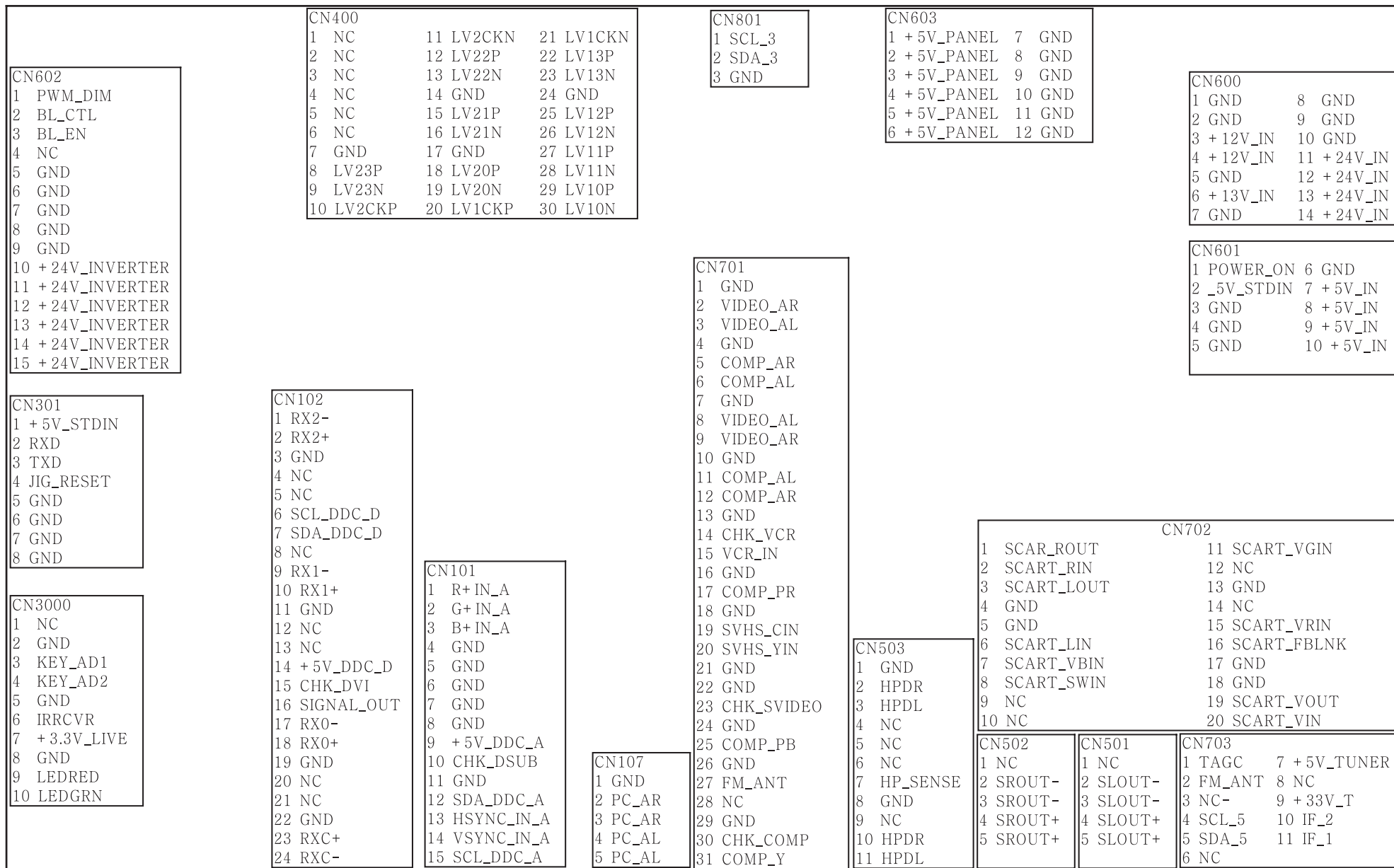
7-1 Device Development Figure



7-2 Parts List

No.	DESCRIPTION	CODE No.	SPECIFICATION	Q'ty	REMARKS
1	ASSY, COVER-FRONT	BN96-01720A	ABS HB PO24FS	1	SA
1-1	COVER-FRONT	BN63-01659A	ABS HB BK07 + SPRAY	1	SNA
1-2	COVER-DECORATION	BN63-01711A	PMMA HB CLEAR + SILK	1	SNA
1-3	COVER-KNOB CONTROL	BN63-01712A	ABS+PC B GR70 + Silver	1	SNA
1-4	KNOB-CONTROL	BN64-00350A	ABS+PC HB GR70 + Silver	1	SNA
1-5	ASSY-FUNCTION	-	FUNCTION + LED	1	SNA
2	LCD-PANEL	BN07-00195A	LTM240M1-L01,Bbit,PVA HPD	1	SA
3	ASSY SHIELD-P PCB	BN96-01981A	SCEE TO.8	1	SNA
4	ASSY PCB MAIN	BN94-00642M	PO24FS	1	SA
5	ASSY PCB-POWER	BN96-01849A	PO24FS	1	SA
6	ASSY SHIELD-P COVER	BN96-01980A	SECC TO.8	1	SNA
7	ASSY COVER-REAR	BN96-01721A	ABS HB PO24FS	1	SA
7-1	COVER-REAR	BN63-01660A	ABS HB GR70 + SPRAY	1	SNA
7-2	BRACKET-SPEAKER	BN61-01559A	SECC T2.0	2	SNA
7-3	RUBBER-CAP,SET	BN73-00089A	ELASTOMER	5	SNA
8	ASSY STAND P-SET	BN96-01722A	ABS HB PO24FS	1	SA
8-1	COVER-STD-BASE	BN63-01662A	ABS HB GR70 (NONE,1.5)	1	SNA
8-2	COVER-STD-REAR	BN63-01663A	ABS HB BK07 (NONE, 1.5)	1	SNA
8-3	STAND-BOTTOM	BN63-01668A	ZnDC2	1	SNA
8-4	ASSY-HINGE	BN96-01692A	ZnDC2	2	SNA
8-5	RUBBER-FOOT	BN73-00077A	BUMPON, \varnothing 13.5,T2.0,60~70	4	SNA
9	SCREW-MACHINE	6003-001003	BH,+B,M4,L12,ZPC(BLK),SWRCH18	4	SA
10	COVER-REAR,SUB	BN96-01661A	ABS HB BK07 + DG-810P	1	SA

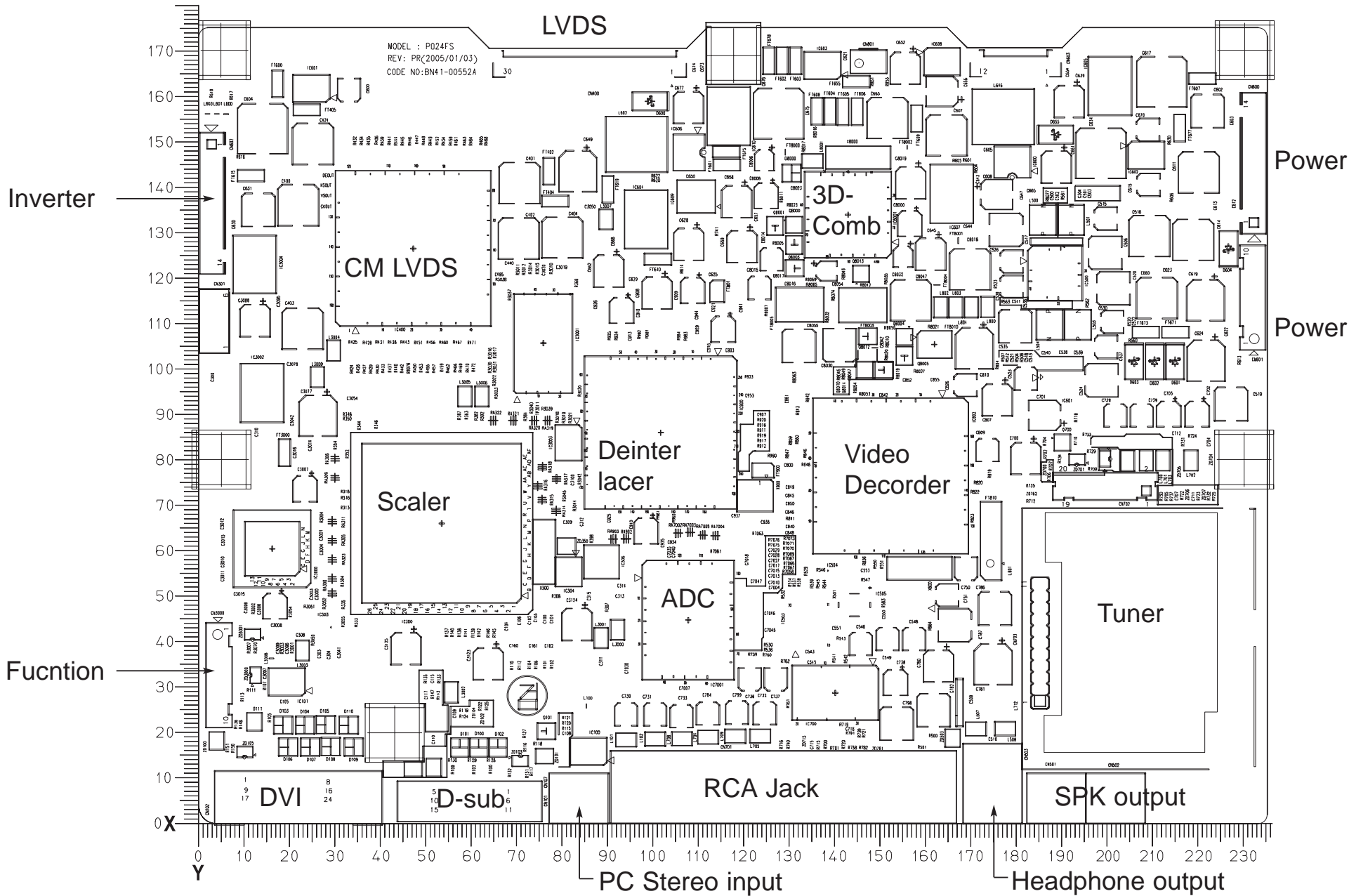
10 Wiring Diagram



10-1 Connector connection condition



11 PCB Diagrams



11 PCB Diagrams

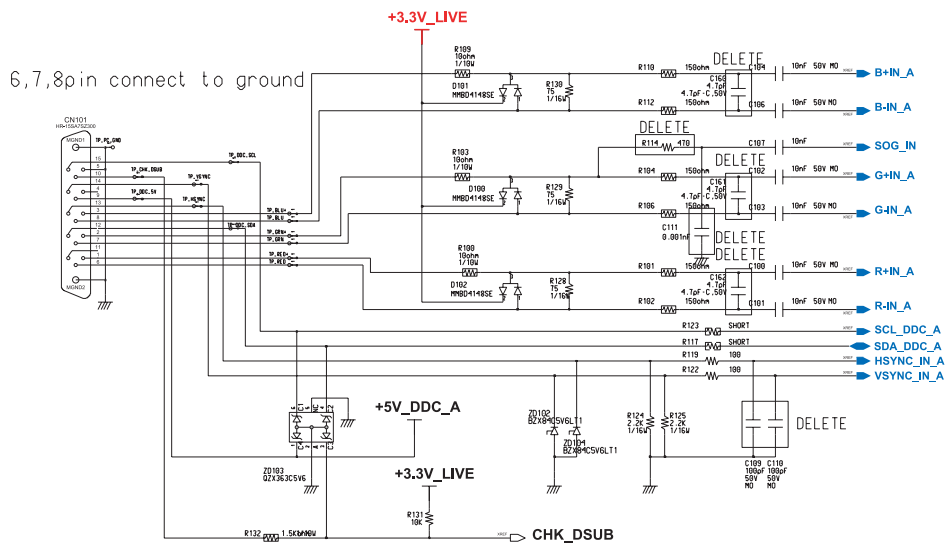
Loc. No.	Description	X	Y
IC			
IC100	IC-EEPROM	85.8	15.9
IC101	IC-EEPROM	19.4	31.2
IC102	IC-TTL	55.6	20.2
IC300	IC-LCD CONTROLLER	53.5	66.0
IC3000	IC-DRAM	16.2	60.4
IC3001	IC-FLASH MEMORY	75.8	105.6
IC3002	IC-POSIFIXED REG.	14.0	94.7
IC3003	IC-EEPROM	81.3	83.7
IC3004	IC-MULTI REG.	12.3	122.9
IC303	IC-CMOS LOGIC	27.1	44.1
IC304	IC-VOL. DETECTOR	81.4	55.8
IC305	IC-CMOS LOGIC	28.2	47.6
IC306	IC-VOL. DETECTOR	88.6	57.5
IC400	IC-VIDEO PROCESS	47.2	126.4
IC500	IC-AUDIO AMP	188.3	120.9
IC501	IC-AUDIO AMP	188.9	97.0
IC502	IC-D/A CONVERTER	145.9	46.1
IC503	IC-A/D CONVERTER	134.2	43.5
IC504	IC-CMOS LOGIC	140.4	54.7
IC505	IC-DELAY LINE	155.8	49.2
IC506	IC-CMOS LOGIC	146.8	53.2
IC507	IC-CMOS LOGIC	159.2	45.5
IC508	IC-CMOS LOGIC	159.3	49.5
IC600	IC-SWITCH VOL. REG.	179.0	147.5
IC601	FET-SILICON	24.8	161.6
IC602	FET-SILICON	208.4	146.9
IC603	FET-SILICON	131.6	165.6
IC604	IC-POSIFIXED REG.	98.4	132.8
IC605	IC-POSIFIXED REG.	200.4	162.1
IC606	IC-SWITCH VOL. REG.	107.8	147.5
IC607	IC-POSIFIXED REG.	165.6	138.4
IC608	FET-SILICON	164.4	165.0
IC609	IC-VOLTAGE REGULATOR	109.4	137.8
IC700	IC-AUDIO SWITCH	140.0	28.8
IC7001	IC-A/D CONVERTER	107.7	44.8
IC701	IC-CMOS LOGIC	157.6	35.4
IC8001	IC-SEPARATOR	142.8	133.8
IC802	IC MICOM	152.1	76.4
IC803	IC-EEPROM	129.1	93.3
IC900	IC-VIDEO PROCESS	101.6	86.0
IC901	IC-DRAM	96.8	102.1
IC902	IC-DRAM	114.5	102.2
TRANSISTOR			
Q100	TR-SMALL SIGNAL	16.2	29.1
Q101	TR-SMALL SIGNAL	76.5	20.3
Q500	TR-SMALL SIGNAL	200.0	108.6
Q501	TR-SMALL SIGNAL	201.8	122.7
Q600	TR-SMALL SIGNAL	20.0	165.9
Q601	TR-SMALL SIGNAL	135.6	161.7
Q602	TR-SMALL SIGNAL	159.6	167.0
Q645	TR-SMALL SIGNAL	206.5	139.7
Q650	TR-SMALL SIGNAL	207.0	152.8
Q700	TR-SMALL SIGNAL	189.9	83.8
Q701	TR-SMALL SIGNAL	189.4	88.2
Q702	TR-SMALL SIGNAL	177.5	32.6
Q800	TR-SMALL SIGNAL	176.7	95.7
Q8000	TR-SMALL SIGNAL	131.0	131.6
Q8001	TR-SMALL SIGNAL	126.8	131.4
Q8002	TR-SMALL SIGNAL	130.5	111.3
Q8003	TR-SMALL SIGNAL	131.0	127.2
Q8004	TR-SMALL SIGNAL	155.2	107.0
Q8005	TR-SMALL SIGNAL	155.2	102.8
Q8006	TR-SMALL SIGNAL	154.9	103.8
Q8007	TR-SMALL SIGNAL	156.6	107.4
Q8008	TR-SMALL SIGNAL	150.3	118.5

Loc. No.	Description	X	Y
Q8009	TR-SMALL SIGNAL	136.0	144.8
Q801	TR-SMALL SIGNAL	173.5	84.4
Q8010	TR-SMALL SIGNAL	146.5	99.7
Q8011	TR-SMALL SIGNAL	145.7	108.9
Q8012	TR-SMALL SIGNAL	147.1	107.1
Q8013	TR-SMALL SIGNAL	145.7	120.8
Q8014	TR-SMALL SIGNAL	150.7	99.7
Q8015	TR-SMALL SIGNAL	130.1	118.8
Q8016	TR-SMALL SIGNAL	137.9	118.7
Q8017	TR-SMALL SIGNAL	131.1	122.1
Q8018	TR-SMALL SIGNAL	130.4	115.4
Q8019	TR-SMALL SIGNAL	130.3	107.1
Q802	TR-SMALL SIGNAL	173.5	88.3
Q8020	TR-SMALL SIGNAL	136.9	111.7
Q803	TR-SMALL SIGNAL	168.5	92.2
ZD100	DIODE-ZENER	4.0	18.2
DIODE			
ZD101	DIODE-ZENER	76.1	14.9
ZD102	DIODE-ZENER	51.7	12.4
ZD103	DIODE-ZENER	70.7	13.9
ZD104	DIODE-ZENER	47.2	12.0
ZD105	DIODE-ZENER	10.2	15.7
ZD106	DIODE-TVS	96.9	21.2
ZD107	DIODE-TVS	102.0	21.2
ZD111	DIODE-ZENER	22.3	22.3
ZD112	DIODE-ZENER	32.5	21.9
ZD3000	DIODE-ZENER	12.5	32.6
ZD3001	DIODE-ZENER	11.9	41.5
ZD350	DIODE-ZENER	80.9	61.0
ZD501	DIODE-TVS	171.5	21.0
ZD502	DIODE-TVS	177.4	20.9
ZD503	DIODE-ZENER	165.1	18.2
ZD700	DIODE-ZENER	199.4	80.2
ZD701	DIODE-ZENER	193.2	79.9
ZD704	DIODE-TVS	221.2	80.5
ZD705	DIODE-TVS	215.1	80.6
ZD706	DIODE-TVS	204.9	84.1
ZD707	DIODE-TVS	209.9	84.1
ZD708	DIODE-TVS	124.8	21.2
ZD709	DIODE-TVS	113.4	21.0
ZD712	DIODE-ZENER	131.6	20.6
ZD713	DIODE-TVS	104.2	21.3
ZD714	DIODE-TVS	119.0	21.2
ZD715	DIODE-TVS	131.4	19.6
ZD716	DIODE-ZENER	160.6	25.9
ZD717	DIODE-ZENER	160.6	21.9
ZD718	DIODE-ZENER	142.3	18.4
ZD750	DIODE-TVS	152.1	16.9
ZD751	DIODE-ZENER	176.8	50.9
ZD761	DIODE-TVS	149.3	17.7
ZD762	DIODE-TVS	185.9	72.5
ZD763	DIODE-TVS	184.9	73.1

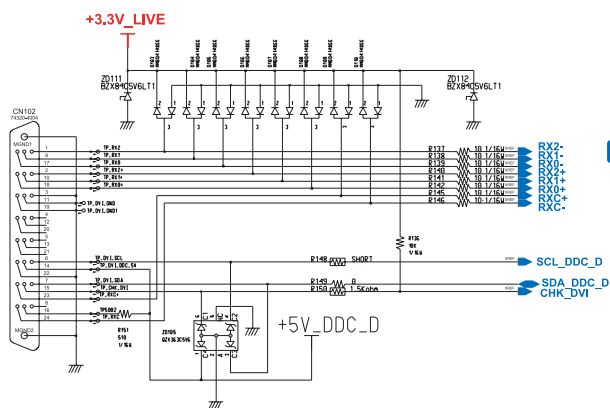
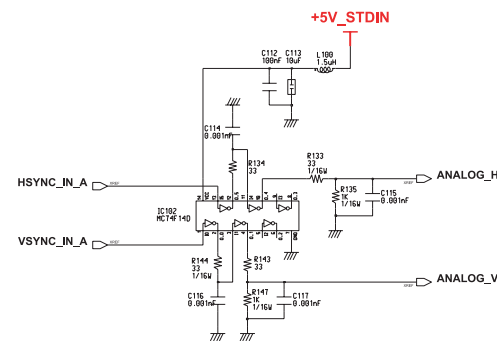
12 Schematic Diagrams

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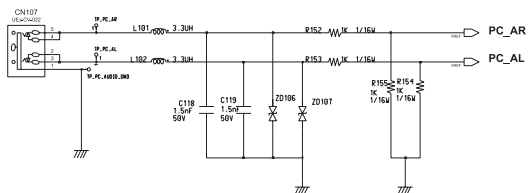
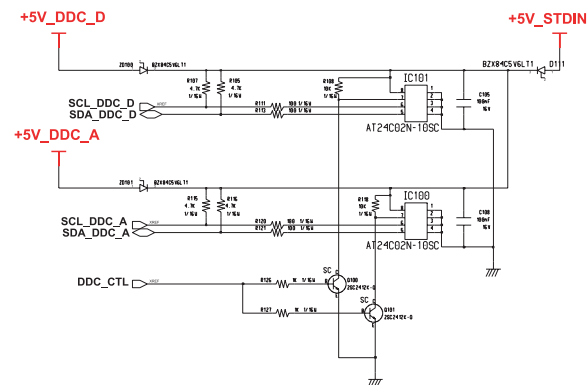
12-1 3D PC INPUT Part Schematic Diagram



PC Input

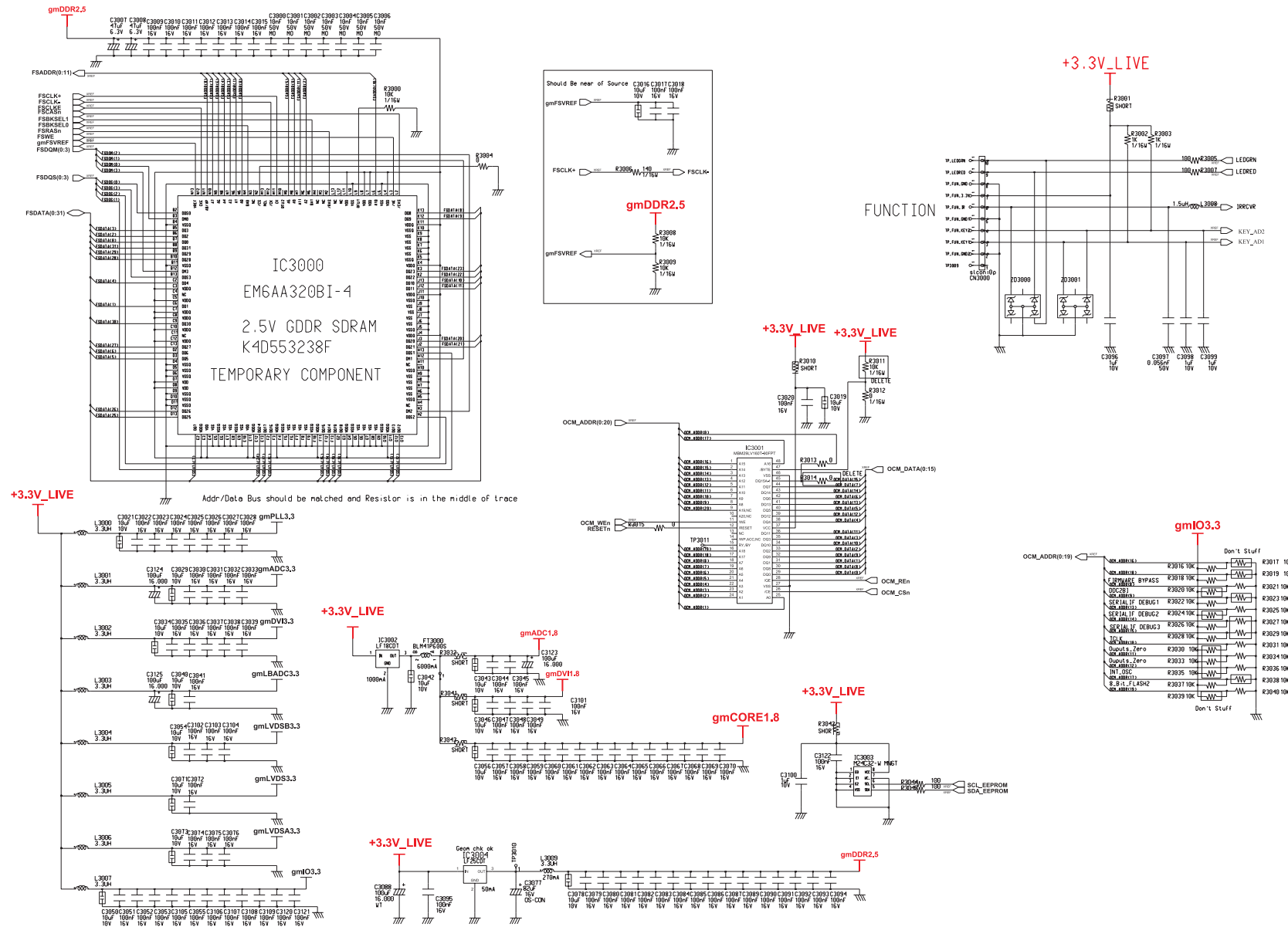


DVI Input



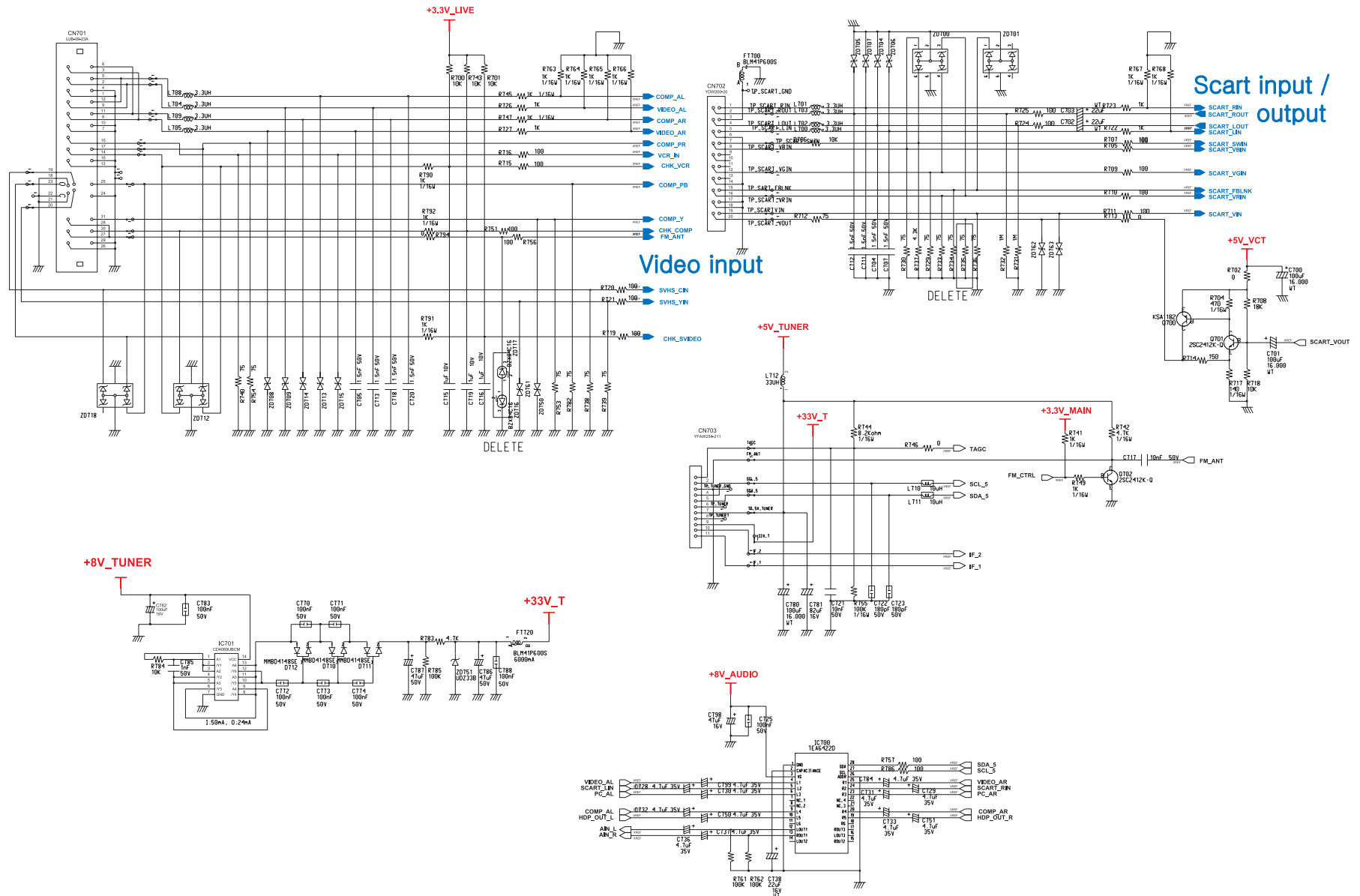
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12-3 MCU & FUNCTION Part Schematic Diagram



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12-4 VIDEO INPUT 2 Part Schematic Diagram

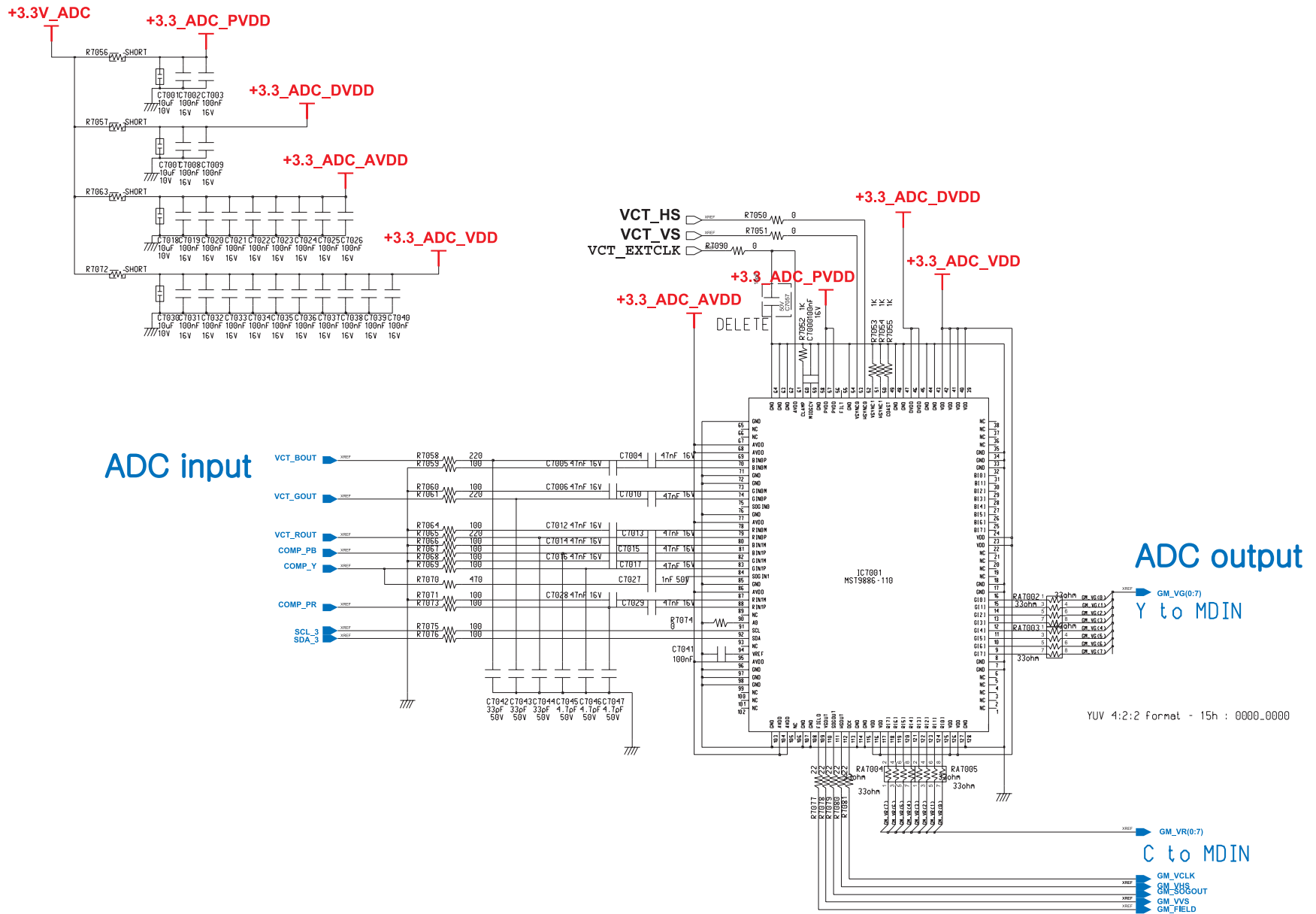


Scart input / output

Video input

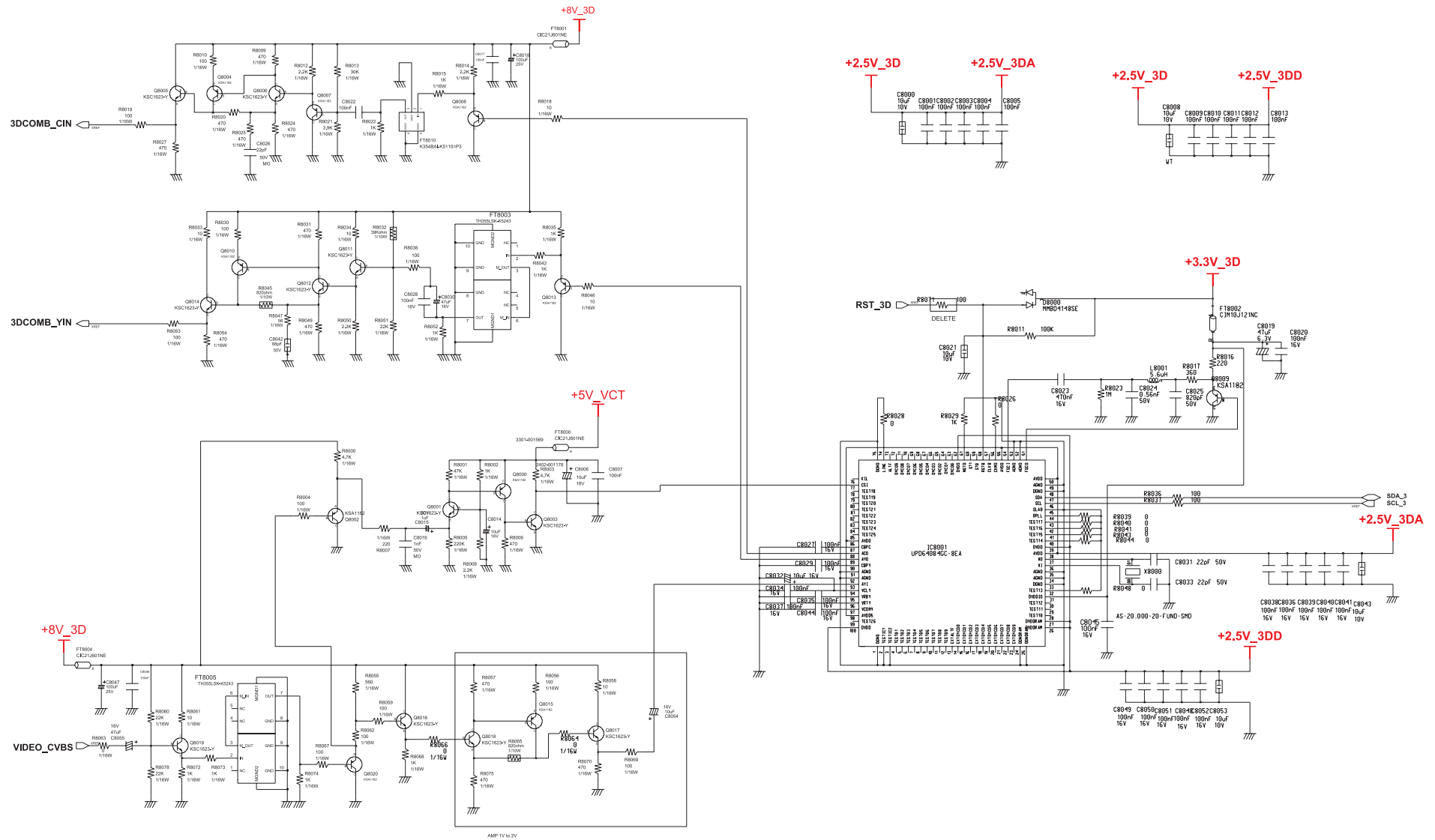
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12-6 ADC Part Schematic Diagram



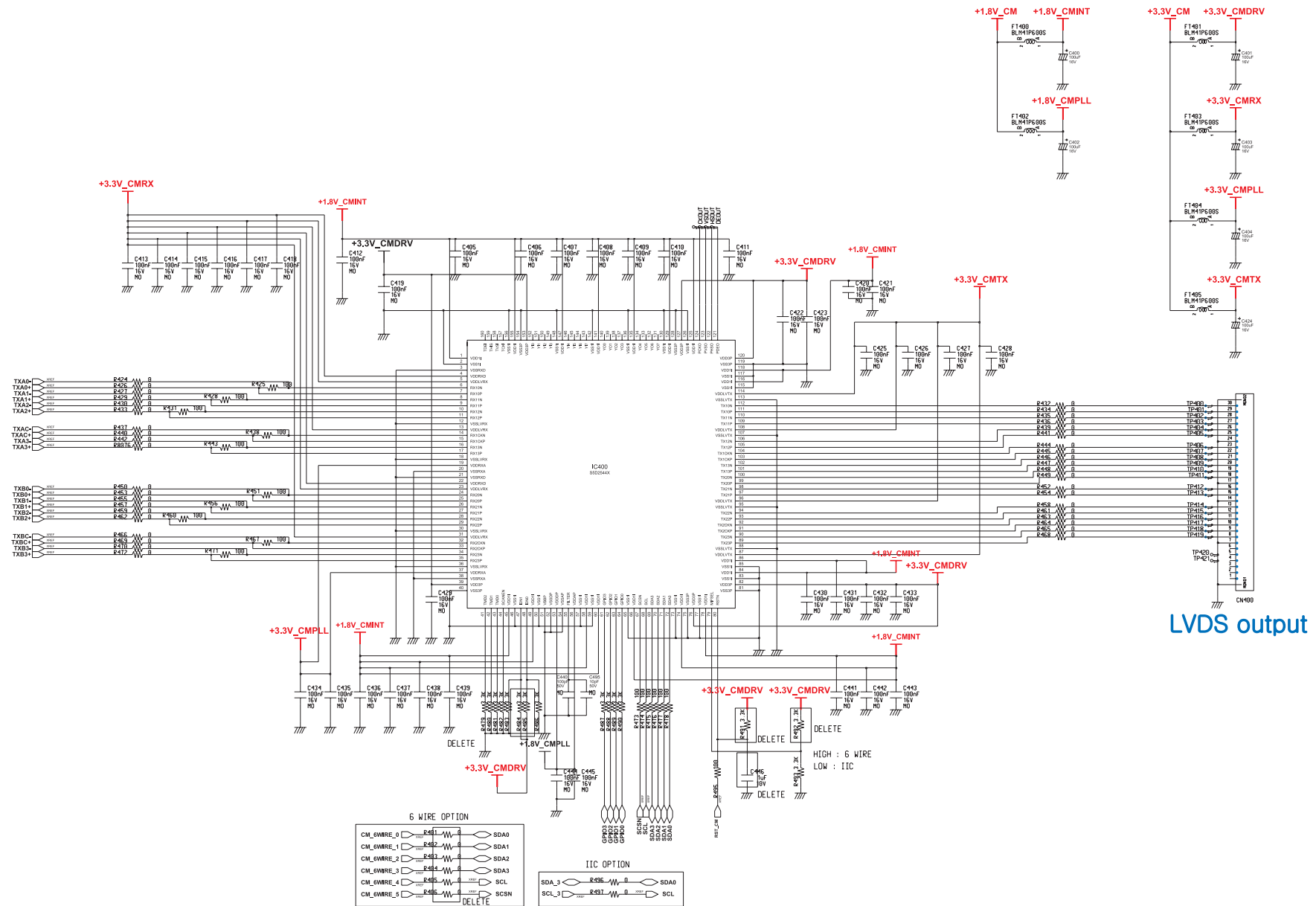
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12-9 3D COMB FILTER Part Schematic Diagram



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12-11 CM_LVDS 2 Part Schematic Diagram



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8 Electrical Parts List

8-1 Main PCB Parts

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
	SPZ-PO24FSSBS/EDC	1	SDI,PVA-ZPD	1	-	
	BN94-00642M	ASSY PCB MAIN	PO24FS	1	SNA	
FT810	2904-001179	FILTER-SAW	36.125MHz,-,32.65-39.6MHz/0.5dB,SIP5K,+0MHz/21.8dB,31.25MHz/37dB	1	SA	
CN102	3701-001173	CONNECTOR-DVI	24P,3R,FEMALE,ANGLE,AUF	1	SA	
CN101	3701-001219	CONNECTOR-DSUB	15P,3R,FEMALE,ANGLE,AUF	1	SA	
CN702	3711-002001	CONNECTOR-HEADER	BOX,20P,2R,2MM,STRAIGHT,SN,BLK	1	SA	
CN600	3711-004122	CONNECTOR-HEADER	BOX,14P,1R,2mm,STRAIGHT,SN	1	SA	
CN602	3711-004122	CONNECTOR-HEADER	BOX,14P,1R,2mm,STRAIGHT,SN	1	SA	
CN3000	3711-004182	CONNECTOR-HEADER	BOX,10P,1R,2MM,STRAIGHT,SN,NTR	1	SA	
CN601	3711-004182	CONNECTOR-HEADER	BOX,10P,1R,2MM,STRAIGHT,SN,NTR	1	SA	
CN801	3711-004349	CONNECTOR-HEADER	BOX,3P,1R,2MM,STRAIGHT,SN	1	SA	
CN703	3711-005505	CONNECTOR-HEADER	NOWALL,11P,1R,2.54mm,ANGLE,SN,WHT	1	SA	
CN503	3722-000143	JACK-PHONE	1P(VER),3,4PI,AG,BLK,NO	1	SA	
CN107	3722-002081	JACK-EAR PHONE	5P/2C,-,SnPb,L-BLU,-	1	SA	
CN501	3722-002081	JACK-EAR PHONE	5P/2C,-,SnPb,L-BLU,-	1	SA	
CN502	3722-002081	JACK-EAR PHONE	5P/2C,-,SnPb,L-BLU,-	1	SA	
CN701	3722-002290	JACK-PIN	9P+VHS,NI,BLK,ANGLE	1	SNA	
M/PCB+BRKT/PCB	6003-000334	SCREW-TAPTITE	RH,+2S,M3,L6,ZPC(YEL),SWRCH18	6	SNA	
F0W/PCB+BRKT/PCB	6003-000334	SCREW-TAPTITE	RH,+2S,M3,L6,ZPC(YEL),SWRCH18	4	SNA	
TUNER	AA40-00113A	TUNER	TECC0949FL40B(S),PAL(CCIIR),181CH,38.9MHZ,33V,75 OHM,75 OHM,DIN-JACK,ASYMM,5V,TR,	1	SA	
TUNER_PCB	BN41-00558A	PCB SUB-TUNER	PO24FS,FR1,1L,1.0,1.6T,54*13	1	SNA	
IC300_HEAT	BN62-00003A	HEAT SINK-IC	NK,SUN,A6063S,T2.5,W28,L28,-,BH62,-	1	SNA	
SCART ASSY	BN96-01818A	ASSY BOARD P-SCART AV	PO24FS,CT5000-3160,SCART	1	SNA	
	BN97-00512E	ASSY SMD	PO24FS	1	SNA	
D100	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D101	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D102	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D103	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D104	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D105	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D106	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D107	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D108	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D109	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D110	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D710	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D711	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D712	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D800	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D8000	0401-001056	DIODE-SWITCHING	MMBD4148SE,100V,200MA,SOT-23,TP	1	SA	
D600	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D601	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D602	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D603	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D604	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D655	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	1	SA	
D111	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD100	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD101	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD102	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD104	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD111	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD112	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD503	0403-000258	DIODE-ZENER	BZX84C5V6,5.2-6V,225MW,SOT-23,TP	1	SA	
ZD350	0403-000277	DIODE-ZENER	MMBZ5226B,3.14-3.47V,225MW,SOT-23,TP	1	SA	
ZD751	0403-001382	DIODE-ZENER	UDZ33B,32.15-33.79V,200MW,SOD-323,TP	1	SA	
ZD103	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD105	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD3000	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD3001	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD700	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD701	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
ZD712	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD718	0403-001435	DIODE-ZENER	QZX363C5V6,5.32-5.88V,200MW,SOT-363,TP	1	SA	
ZD106	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD107	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD501	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD502	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD704	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD705	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD706	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD707	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD708	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD709	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD713	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD714	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD715	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD750	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD761	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD762	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
ZD763	0406-001163	DIODE-TVS	CDS3C05GTA,6.4V/+-,SMD	1	SA	
Q700	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8000	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8002	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8004	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8007	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8008	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8009	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q801	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8010	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8013	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8015	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q802	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8020	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q803	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150mW,SOT-23,TP,70	1	SA	
Q8001	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8003	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8005	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8006	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8011	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8012	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8014	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8016	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8017	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8018	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q8019	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	1	SA	
Q100	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q101	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q500	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q501	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q600	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q601	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q602	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q645	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q650	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q701	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q702	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
Q800	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	1	SA	
IC303	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC305	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC504	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC506	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC507	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC508	0801-002779	IC-CMOS LOGIC	SN74LVC1G125DBVR,BUS BUFFER,SOT-23,5P,-,SINGLE,TP,PLASTIC,3-STATE,-,-40TO85C,-	1	SA	
IC701	0801-002899	IC-CMOS LOGIC	CD4069UBC,INVERTER,SOIC,14P,8.74x3.99mm,HEX,TP,-,-0.05V,-55to+125C,500mW,4V,-	1	SA	
IC102	0803-000117	IC-TTL	74F14,INVERTER,SOP,14P,150MIL	1	SA	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
IC700	1001-001178	IC-AUDIO SWITCH	TEA6422D,AUDIO SWITCH ,SOIC,28P,300MIL,-,10.2V,0TO+70C,PLASTIC,-,-,-,10UA,ST,-	1	SA	
IC503	1002-001387	IC-A/D CONVERTER	PCM1802,24BIT,SSOP,20P,7.5x5.6x2mm,-,ST,-,PLASITC,3.30V,-40to+85C,-,A/D CONVERTE	1	SA	
IC502	1002-001399	IC-D/A CONVERTER	PCM1754,24BIT,SSOP,16P,5X4.8X1.75MM,-,TP,-,PLASITC,5V,-55TO+150C,80MW,-	1	SA	
IC7001	1002-001403	IC-A/D CONVERTER	MST9886-110,8Bits,QFP,128P,17.2x23.2mm,-,-,PLASTIC,3.3V,-20to+80C,643mW,-	1	SA	
IC300	1003-001800	IC-LCD CONTROLLER	gm1601H-CF,PBGA,416P,35x35x2.33mm,-,-,TR,PLASTIC,3.3V,0to+70C,-,2.4,-	1	SA	
IC100	1103-000129	IC-EEPROM	24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C	1	SA	
IC101	1103-000129	IC-EEPROM	24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C	1	SA	
IC3003	1103-001279	IC-EEPROM	24C32,4Kx8,SOP,8P,5x4mm,2.5/5.5V,-40to+85C	1	SA	
IC803	1103-001314	IC-EEPROM	24C16,2Kx8,SOP,8P,5x4mm,2.7/5.5V,-40to+85C	1	SA	
IC901	1105-001336	IC-DRAM	-,512K*32*4Bit,TSOP,86P,400MIL,6nS,3.3V,10%,-,0to70C,2mA,-,TP	1	SA	
IC902	1105-001336	IC-DRAM	-,512K*32*4Bit,TSOP,86P,400MIL,6nS,3.3V,10%,-,0to70C,2mA,-,TP	1	SA	
IC3000	1105-001484	IC-DRAM	EM6AA320Bi-4,4x2Mx32Bit,FBGA,144P,12x12mm,4nS,-,5%,0to+70C,-,TR	1	SA	
IC500	1201-001983	IC-AUDIO AMP	TPA3002D2PHP,HTQFP,48P,7X7MM,-,-,PLASTIC,2.0V,2.7W,-40TO+85C,-,1VUS,-,-,10MV,TR	1	SA	
IC501	1201-002136	IC-AUDIO AMP	LM4810,MSOP,8P,3x3mm,DUAL,-,PLASTIC,5.5V,-,-40 to 85C,-,-,-,-,TP	1	SA	
IC306	1203-001109	IC-VOL. DETECTOR	7045,SOT-89,3P,-,PLASTIC,4.3/4	1	SA	
IC607	1203-001488	IC-POSI.FIXED REG.	7805,TO-252,3P,-,PLASTIC,4.8/5	1	SA	
IC605	1203-001816	IC-POSI.FIXED REG.	78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP	1	SA	
IC610	1203-001816	IC-POSI.FIXED REG.	78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP	1	SA	
IC609	1203-001890	IC-POSI.FIXED REG.	3961,SOT223-5,5P,-,PLASTIC,2.5V,-,-40to+125C,800mA,-,TR	1	SA	
IC3002	1203-002186	IC-POSI.FIXED REG.	18,DPAK,3P,240MIL,PLASTIC,1.728/1.872V,-,-40to+125C,1A,-,TP	1	SA	
IC604	1203-002186	IC-POSI.FIXED REG.	18,DPAK,3P,240MIL,PLASTIC,1.728/1.872V,-,-40to+125C,1A,-,TP	1	SA	
IC3004	1203-002351	IC-POSI.FIXED REG.	LF26C,DPAK,3P,240MIL,PLASTIC,2.45V/2.55V,-,-40TO+125C,-,2.85V/16V,TP	1	SA	
IC600	1203-003059	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP	1	SA	
IC606	1203-003059	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP	1	SA	
IC900	1204-002127	IC-VIDEO PROCESS	MDIN-150,QFP,256P,28X28MM,PLASTIC,3.3V,-,0TO+70C,TR,-	1	SA	
IC8001	1204-002239	IC-SEPARATOR	UPD64084GC-8EA,LQFP,100P,14x14mm,PLASTIC,3.6V,-,0to+70C,TP,IC-SEPARATOR	1	SA	
IC400	1204-002393	IC-VIDEO PROCESS	S5D2544X,TQFP,160P,28x28mm,PLASTIC,3.6V,-,0to+70C,TR,-	1	SNA	
IC505	1209-001588	IC-DELAY LINE	NJU26901E2,EMP,8P,4.9x3.9mm,PLASTIC,2.75V,100mW,-40to+85C,ST	1	SA	
R3000	2007-000052	R-CHIP	10Kohm,1%,1/10W,TP,1608	1	SA	
R3008	2007-000052	R-CHIP	10Kohm,1%,1/10W,TP,1608	1	SA	
R3009	2007-000052	R-CHIP	10Kohm,1%,1/10W,TP,1608	1	SA	
R149	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3004	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3012	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3013	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3015	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3051	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R307	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3070	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R3071	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R308	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R328	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R329	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R330	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R331	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R332	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R333	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R334	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R335	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R336	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R337	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R340	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R341	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R342	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R343	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R344	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R346	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R348	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R350	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R352	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R354	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R357	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R358	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R359	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R847	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R848	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R849	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R850	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R851	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R853	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R861	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R880	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R906	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R907	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R915	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R920	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R926	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R962	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R963	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R980	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R981	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R982	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R983	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R984	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R990	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R998	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	SA	
R618	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R7077	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R7078	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R7079	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R7080	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R7081	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R803	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R923	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R960	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R961	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	1	SA	
R546	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R547	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R548	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R549	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R552	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R553	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R554	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R555	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	1	SA	
R111	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R113	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R119	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R120	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R121	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R122	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R3005	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R3007	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R301	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R302	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R304	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R3044	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R3045	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R305	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R338	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R339	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R361	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R425	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R428	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R431	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R438	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R443	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R451	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	
R456	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R7061	2007-000075	R-CHIP	220ohm,5%,1/10W,TP,1608	1	SA	
R7065	2007-000075	R-CHIP	220ohm,5%,1/10W,TP,1608	1	SA	
R8007	2007-000075	R-CHIP	220ohm,5%,1/10W,TP,1608	1	SA	
R8016	2007-000075	R-CHIP	220ohm,5%,1/10W,TP,1608	1	SA	
R905	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SA	
R916	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SA	
R917	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	SA	
R114	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R530	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R536	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R704	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R7070	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8006	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8009	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8020	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8024	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8025	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8027	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8031	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8049	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8054	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8057	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8070	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R8075	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	1	SA	
R126	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R127	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R135	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R147	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R152	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R153	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R154	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R155	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3002	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3003	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3050	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3052	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3053	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3054	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R3055	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R505	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R528	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R626	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R7052	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R7053	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R7054	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R7055	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R722	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R723	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R726	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R727	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R741	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R745	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R747	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R749	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R763	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R764	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R765	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R766	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R767	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R768	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R790	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R791	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R792	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8002	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R8015	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8022	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8029	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8035	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8042	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8052	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8068	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8072	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8073	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R8074	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R834	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R835	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R864	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R865	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	SA	
R804	2007-000081	R-CHIP	2.7Kohm,5%,1/10W,TP,1608	1	SA	
R309	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R324	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R325	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R326	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R327	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R355	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R356	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R395	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R479	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R480	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R481	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R482	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R483	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R486	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R487	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R488	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R489	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R490	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R493	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R852	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R854	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	SA	
R105	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R107	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R115	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R116	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R500	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R510	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R515	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R529	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R541	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R742	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R783	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R8000	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R8003	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R813	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R913	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	SA	
R523	2007-000086	R-CHIP	5.6Kohm,5%,1/10W,TP,1608	1	SA	
R819	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	1	SA	
R820	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	1	SA	
R108	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R118	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R131	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R136	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3016	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3018	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3021	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3022	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3025	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3026	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R3028	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3031	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3034	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3036	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3037	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R3040	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R306	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R345	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R503	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R506	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R512	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R604	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R611	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R621	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R700	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R701	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R706	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R718	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R743	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R784	2007-00090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	SA	
R612	2007-00093	R-CHIP	20Kohm,5%,1/10W,TP,1608	1	SA	
R625	2007-00093	R-CHIP	20Kohm,5%,1/10W,TP,1608	1	SA	
R660	2007-00093	R-CHIP	20Kohm,5%,1/10W,TP,1608	1	SA	
R8051	2007-00094	R-CHIP	22Kohm,5%,1/10W,TP,1608	1	SA	
R8060	2007-00094	R-CHIP	22Kohm,5%,1/10W,TP,1608	1	SA	
R8078	2007-00094	R-CHIP	22Kohm,5%,1/10W,TP,1608	1	SA	
R521	2007-00096	R-CHIP	30Kohm,5%,1/10W,TP,1608	1	SA	
R662	2007-00096	R-CHIP	30Kohm,5%,1/10W,TP,1608	1	SA	
R8013	2007-00096	R-CHIP	30Kohm,5%,1/10W,TP,1608	1	SA	
R504	2007-00097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	SA	
R507	2007-00097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	SA	
R516	2007-00097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	SA	
R8001	2007-00097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	SA	
R600	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R607	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R610	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R623	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R632	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R661	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R755	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R761	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R762	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R785	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R8011	2007-00102	R-CHIP	100Kohm,5%,1/10W,TP,1608	1	SA	
R520	2007-00103	R-CHIP	120Kohm,5%,1/10W,TP,1608	1	SA	
R8005	2007-00106	R-CHIP	220Kohm,5%,1/10W,TP,1608	1	SA	
R560	2007-00109	R-CHIP	1Mohm,5%,1/10W,TP,1608	1	SA	
R731	2007-00109	R-CHIP	1Mohm,5%,1/10W,TP,1608	1	SA	
R732	2007-00109	R-CHIP	1Mohm,5%,1/10W,TP,1608	1	SA	
R8023	2007-00109	R-CHIP	1Mohm,5%,1/10W,TP,1608	1	SA	
R133	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R134	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R143	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R144	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R310	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R311	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R313	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R314	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R315	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R316	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R318	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R319	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R373	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R808	2007-00113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R809	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R810	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R904	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	SA	
R602	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	SA	
R608	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	SA	
R633	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	SA	
R8055	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	SA	
R8045	2007-000121	R-CHIP	820ohm,5%,1/10W,TP,1608	1	SA	
R8065	2007-000121	R-CHIP	820ohm,5%,1/10W,TP,1608	1	SA	
R132	2007-000123	R-CHIP	1.5Kohm,5%,1/10W,TP,1608	1	SA	
R150	2007-000123	R-CHIP	1.5Kohm,5%,1/10W,TP,1608	1	SA	
R124	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R125	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R8008	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R8012	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R8014	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R8050	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	1	SA	
R8021	2007-000125	R-CHIP	3.9Kohm,5%,1/10W,TP,1608	1	SA	
R8032	2007-000130	R-CHIP	39Kohm,5%,1/10W,TP,1608	1	SA	
R606	2007-000134	R-CHIP	33Kohm,5%,1/10W,TP,1608	1	SA	
R630	2007-000134	R-CHIP	33Kohm,5%,1/10W,TP,1608	1	SA	
R910	2007-000305	R-CHIP	10Mohm,5%,1/10W,TP,1608	1	SA	
R100	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R103	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R109	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R137	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R138	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R139	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R140	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R141	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R142	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R145	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R146	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8018	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8033	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8034	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8046	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8058	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R8061	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R821	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R826	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R827	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R862	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R863	2007-000309	R-CHIP	10ohm,5%,1/10W,TP,1608	1	SA	
R101	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R102	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R104	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R106	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R110	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R112	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R714	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R805	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R806	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R807	2007-000402	R-CHIP	150ohm,5%,1/10W,TP,1608	1	SA	
R518	2007-000458	R-CHIP	18Kohm,5%,1/10W,TP,1608	1	SA	
R708	2007-000458	R-CHIP	18Kohm,5%,1/10W,TP,1608	1	SA	
R831	2007-000539	R-CHIP	200ohm,5%,1/10W,TP,1608	1	SA	
R832	2007-000539	R-CHIP	200ohm,5%,1/10W,TP,1608	1	SA	
R833	2007-000539	R-CHIP	200ohm,5%,1/10W,TP,1608	1	SA	
R828	2007-000643	R-CHIP	270ohm,5%,1/10W,TP,1608	1	SA	
R829	2007-000643	R-CHIP	270ohm,5%,1/10W,TP,1608	1	SA	
R830	2007-000643	R-CHIP	270ohm,5%,1/10W,TP,1608	1	SA	
R605	2007-000683	R-CHIP	3.3Kohm,1%,1/10W,TP,1608	1	SA	
R622	2007-000683	R-CHIP	3.3Kohm,1%,1/10W,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
R8017	2007-000799	R-CHIP	360ohm,5%,1/10W,TP,1608	1	SA	
R737	2007-000857	R-CHIP	4.3Kohm,1%,1/10W,TP,1608	1	SA	
R522	2007-000913	R-CHIP	43Kohm,5%,1/10W,TP,1608	1	SA	
R601	2007-000979	R-CHIP	5.6Kohm,1%,1/10W,TP,1608	1	SA	
R620	2007-000979	R-CHIP	5.6Kohm,1%,1/10W,TP,1608	1	SA	
R151	2007-001002	R-CHIP	510ohm,5%,1/10W,TP,1608	1	SA	
R8047	2007-001044	R-CHIP	56ohm,5%,1/10W,TP,1608	1	SA	
R128	2007-001164	R-CHIP	75ohm,1%,1/10W,TP,1608	1	SA	
R129	2007-001164	R-CHIP	75ohm,1%,1/10W,TP,1608	1	SA	
R130	2007-001164	R-CHIP	75ohm,1%,1/10W,TP,1608	1	SA	
R514	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R519	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R712	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R729	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R730	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R733	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R734	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R736	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R738	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R739	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R740	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R753	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R754	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R782	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	SA	
R517	2007-001179	R-CHIP	8.2Kohm,5%,1/10W,TP,1608	1	SA	
R744	2007-001179	R-CHIP	8.2Kohm,5%,1/10W,TP,1608	1	SA	
R300	2007-007850	R-CHIP	249ohm,1%,1/10W,TP,1608	1	SA	
R3006	2007-007852	R-CHIP	140ohm,1%,1/10W,TP,1608	1	SA	
R717	2007-007852	R-CHIP	140ohm,1%,1/10W,TP,1608	1	SA	
RA300	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA301	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA302	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA303	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA304	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA305	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA306	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA307	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA308	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA309	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA310	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA311	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA314	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA315	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA316	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA317	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA318	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA319	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA320	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA321	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA322	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA323	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA7002	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA7003	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA7004	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA7005	2011-001261	R-NET	33OHM,5%,1/16W,L,CHIP,8P,TP	1	SA	
RA902	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA903	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA905	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA906	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA907	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA908	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
RA909	2011-001262	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.0X0.35MM	1	SA	
C118	2203-000140	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	1	SA	
C119	2203-000140	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C440	2203-000236	C-CER,CHIP	0.1nF,5%,50V,COG,1608	1	SA	
C608	2203-000236	C-CER,CHIP	0.1nF,5%,50V,COG,1608	1	SA	
C650	2203-000236	C-CER,CHIP	0.1nF,5%,50V,COG,1608	1	SA	
C100	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C101	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C102	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C103	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C104	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C106	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C107	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3000	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3001	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3002	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3003	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3004	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3005	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C3006	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C601	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C642	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C654	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C655	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C664	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C717	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C721	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,1608	1	SA	
C495	2203-000292	C-CER,CHIP	0.01nF,5%,50V,COG,TP,1608	1	SA	
C934	2203-000384	C-CER,CHIP	0.015nF,5%,50V,COG,TP,1608	1	SA	
C935	2203-000384	C-CER,CHIP	0.015nF,5%,50V,COG,TP,1608	1	SA	
C983	2203-000384	C-CER,CHIP	0.015nF,5%,50V,COG,TP,1608	1	SA	
C722	2203-000405	C-CER,CHIP	0.18nF,5%,50V,COG,TP,1608	1	SA	
C723	2203-000405	C-CER,CHIP	0.18nF,5%,50V,COG,TP,1608	1	SA	
C310	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C312	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C313	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C315	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C531	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C532	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C7027	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C785	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C8016	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C821	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C825	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C831	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	SA	
C114	2203-000468	C-CER,CHIP	0.0010nF,0.25pF,50V,COG,1608	1	SA	
C115	2203-000468	C-CER,CHIP	0.0010nF,0.25pF,50V,COG,1608	1	SA	
C116	2203-000468	C-CER,CHIP	0.0010nF,0.25pF,50V,COG,1608	1	SA	
C117	2203-000468	C-CER,CHIP	0.0010nF,0.25pF,50V,COG,1608	1	SA	
C503	2203-000560	C-CER,CHIP	220nF,+80-20%,25V,Y5V,TP,1608,	1	SA	
C504	2203-000560	C-CER,CHIP	220nF,+80-20%,25V,Y5V,TP,1608,	1	SA	
C539	2203-000560	C-CER,CHIP	220nF,+80-20%,25V,Y5V,TP,1608,	1	SA	
C540	2203-000560	C-CER,CHIP	220nF,+80-20%,25V,Y5V,TP,1608,	1	SA	
C301	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C302	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C551	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C8026	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C8031	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C8033	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C827	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C828	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C937	2203-000626	C-CER,CHIP	0.022nF,5%,50V,COG,TP,1608	1	SA	
C7042	2203-000815	C-CER,CHIP	0.033nF,5%,50V,COG,TP,1608	1	SA	
C7043	2203-000815	C-CER,CHIP	0.033nF,5%,50V,COG,TP,1608	1	SA	
C7044	2203-000815	C-CER,CHIP	0.033nF,5%,50V,COG,TP,1608	1	SA	
C7045	2203-000903	C-CER,CHIP	0.0047nF,0.25pF,50V,COG,TP,1608	1	SA	
C7046	2203-000903	C-CER,CHIP	0.0047nF,0.25pF,50V,COG,TP,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C7047	2203-000903	C-CER,CHIP	0.0047NF,0.25PF,50V,COG,TP,1608	1	SA	
C665	2203-000925	C-CER,CHIP	470NF,+80-20%,50V,Y5V,TP,2012	1	SA	
C7004	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7005	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7006	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7010	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7012	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7013	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7014	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7015	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7016	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7017	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7028	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C7029	2203-000972	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	1	SA	
C500	2203-000975	C-CER,CHIP	47nF,10%,25V,X7R,TP,1608,-	1	SA	
C502	2203-000975	C-CER,CHIP	47nF,10%,25V,X7R,TP,1608,-	1	SA	
C536	2203-000975	C-CER,CHIP	47nF,10%,25V,X7R,TP,1608,-	1	SA	
C541	2203-000975	C-CER,CHIP	47nF,10%,25V,X7R,TP,1608,-	1	SA	
C8024	2203-001052	C-CER,CHIP	0.56nF,10%,50V,X7R,TP,1608	1	SA	
C811	2203-001052	C-CER,CHIP	0.56nF,10%,50V,X7R,TP,1608	1	SA	
C812	2203-001052	C-CER,CHIP	0.56nF,10%,50V,X7R,TP,1608	1	SA	
C813	2203-001052	C-CER,CHIP	0.56nF,10%,50V,X7R,TP,1608	1	SA	
C3097	2203-001071	C-CER,CHIP	0.056NF,5%,50V,COG,TP,1608	1	SA	
C509	2203-001140	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	1	SA	
C510	2203-001140	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608	1	SA	
C8042	2203-001155	C-CER,CHIP	0.068nF,5%,50V,NP0,TP,1608	1	SA	
C605	2203-001222	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	1	SA	
C648	2203-001222	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	1	SA	
C8025	2203-001222	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	1	SA	
C938	2203-001222	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	1	SA	
C939	2203-001222	C-CER,CHIP	0.82NF,10%,50V,X7R,TP,1608	1	SA	
C522	2203-001607	C-CER,CHIP	0.22nF,5%,50V,NP0,-,1608	1	SA	
C501	2203-001652	C-CER,CHIP	470nF,+80-20%,16V,Y5V,1608	1	SA	
C538	2203-001652	C-CER,CHIP	470nF,+80-20%,16V,Y5V,1608	1	SA	
C8023	2203-001652	C-CER,CHIP	470nF,+80-20%,16V,Y5V,1608	1	SA	
C626	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C632	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C636	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C643	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C673	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C801	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C804	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C830	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C833	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C838	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C843	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C853	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C856	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C859	2203-001656	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	1	SA	
C405	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C406	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C407	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C408	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C409	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C410	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C411	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C412	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C413	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C414	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C415	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C416	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C417	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C418	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C419	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C420	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C421	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C422	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C423	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C425	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C426	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C427	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C428	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C429	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C430	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C431	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C432	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C433	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C434	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C435	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C436	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C437	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C438	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C439	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C441	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C442	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C443	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C444	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C445	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C640	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C641	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C646	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C667	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	SA	
C303	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C306	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C3096	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C3098	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C3099	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C3100	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C525	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C527	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C529	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C600	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C615	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C621	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C651	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C670	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C672	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C715	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C716	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C719	2203-005065	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,-,1608	1	SA	
C603	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C630	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C635	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C770	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C771	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C772	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C773	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C774	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C783	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C788	2203-005249	C-CER,CHIP	100nF,10%,50V,X7R,TP,1608,-	1	SA	
C113	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C300	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3016	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3019	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3021	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3029	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3034	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3040	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C3042	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3043	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3046	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3050	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3054	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3056	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3071	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3073	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C3078	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C308	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C309	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C311	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C314	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C512	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C547	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C625	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C629	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C638	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C7001	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C7007	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C7018	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C7030	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C800	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C8000	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C8008	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C8021	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C8043	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C8053	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C823	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C829	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C832	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C835	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C837	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C842	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C852	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C855	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C858	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C890	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C909	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C910	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C921	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C940	2203-005437	C-CER,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	1	SA	
C702	2402-000209	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	1	SA	
C703	2402-000209	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	1	SA	
C738	2402-000209	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	1	SA	
C604	2402-001079	C-AL,SMD	100UF,20%,35V,WT,TP,10X10X10MM	1	SA	
C617	2402-001079	C-AL,SMD	100UF,20%,35V,WT,TP,10X10X10MM	1	SA	
C634	2402-001079	C-AL,SMD	100UF,20%,35V,WT,TP,10X10X10MM	1	SA	
C674	2402-001079	C-AL,SMD	100UF,20%,35V,WT,TP,10X10X10MM	1	SA	
C675	2402-001079	C-AL,SMD	100UF,20%,35V,WT,TP,10X10X10MM	1	SA	
C786	2402-001080	C-AL,SMD	47uF,20%,50V,WT,TP,8x10mm	1	SA	
C787	2402-001080	C-AL,SMD	47uF,20%,50V,WT,TP,8x10mm	1	SA	
C516	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA	
C611	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA	
C614	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA	
C8018	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA	
C8047	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	1	SA	
C3088	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C3123	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C3124	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C3125	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C677	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C700	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C701	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C780	2402-001086	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	1	SA	
C400	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C401	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C402	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C403	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C404	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C424	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C519	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C520	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C524	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C628	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C645	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C657	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C659	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C662	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C782	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C807	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C908	2402-001128	C-AL,SMD	100UF,20%,16V,WT,TP,6.3X5.7MM	1	SA	
C798	2402-001129	C-AL,SMD	47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
C8030	2402-001129	C-AL,SMD	47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
C8055	2402-001129	C-AL,SMD	47UF,20%,16V,WT,TP,6.3X5.2MM	1	SA	
C537	2402-001152	C-AL,SMD	10UF,20%,16V,WT,TP,4X5.8MM	1	SA	
C518	2402-001158	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	1	SA	
C521	2402-001158	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	1	SA	
C809	2402-001159	C-AL,SMD	3.3UF,20%,50V,WT,TP,4X5.2MM	1	SA	
C548	2402-001165	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	1	SA	
C549	2402-001165	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	1	SA	
C826	2402-001165	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	1	SA	
C8006	2402-001178	C-AL,SMD	10UF,20%,16V,WT,TP,4.3X4.3X5.8MM	1	SA	
C8014	2402-001178	C-AL,SMD	10UF,20%,16V,WT,TP,4.3X4.3X5.8MM	1	SA	
C8032	2402-001178	C-AL,SMD	10UF,20%,16V,WT,TP,4.3X4.3X5.8MM	1	SA	
C8054	2402-001178	C-AL,SMD	10UF,20%,16V,WT,TP,4.3X4.3X5.8MM	1	SA	
C728	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C729	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C730	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C731	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C732	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C733	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C736	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C737	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C750	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C751	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C784	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C799	2402-001226	C-AL,SMD	4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM	1	SA	
C515	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C523	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C526	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C528	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C530	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C8015	2402-001238	C-AL,SMD	1UF,20%,50V,HR,TP,4.3X4.3X5.2MM	1	SA	
C506	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C517	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C535	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C546	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C602	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C631	2402-001254	C-AL,SMD	10UF,20%,50V,WT,TP,6.3x5.2mm	1	SA	
C663	2402-001257	C-AL,SMD	470UF,20%,16V,-,TP,8.3*10	1	SA	
C607	2409-001029	C-ORGANIC	120UF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	1	SA	
C3007	2409-001049	C-ORGANIC	47UF,20%,6.3V,FX,TP,5X5.9MM,-	1	SA	
C3008	2409-001049	C-ORGANIC	47UF,20%,6.3V,FX,TP,5X5.9MM,-	1	SA	
C8019	2409-001049	C-ORGANIC	47UF,20%,6.3V,FX,TP,5X5.9MM,-	1	SA	
C3077	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C619	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C624	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C639	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C647	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C649	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C652	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C656	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C660	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C661	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C781	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
C810	2409-001065	C-ORGANIC	82UF,20%,16V,WT,TP,8X6.9MM,-	1	SA	
L801	2703-000222	INDUCTOR-SMD	560nH,10%,2012	1	SA	
L8001	2703-000398	INDUCTOR-SMD	5.6uH,5%,3225	1	SA	
L710	2703-000398	INDUCTOR-SMD	10uH,10%,3225	1	SA	
L711	2703-000398	INDUCTOR-SMD	10uH,10%,3225	1	SA	
L100	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	SA	
L3008	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	SA	
L600	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	SA	
L601	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	SA	
L603	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	SA	
L101	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L102	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3000	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3001	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3002	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3003	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3004	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3005	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3006	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3007	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L3009	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L507	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L508	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L700	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L701	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L702	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L703	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L704	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L705	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L708	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L709	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L800	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L802	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L803	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
L804	2703-001778	INDUCTOR-SMD	3.3uH,20%,3225	1	SA	
X300	2801-003667	CRYSTAL-SMD	14.31818MHz,30ppm,28-AAN,16.50ohm,TP	1	SA	
X8000	2801-003755	CRYSTAL-SMD	20MHz,30PPM,SMD,20PF,50OHM,TP	1	SA	
X800	2801-004004	CRYSTAL-SMD	20.25MHz,20ppm,28-AAN,13pF,25ohm,TP	1	SA	
X900	2804-001443	OSCILLATOR-CLOCK	25MHz,100PPM,CMOS,TP,3.3V,15MA	1	SA	
X501	2804-001535	OSCILLATOR-CLOCK	12.288MHz,100PPM,30PF,TP,3.3V,15MA	1	SA	
FT900	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	1	SA	
FT901	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	1	SA	
FT8010	2909-001052	FILTER-LC	3.58MHz,3MHz,1.5dB,TP,11dB/1.0	1	SA	
FT8002	3301-000314	BEAD-SMD	120ohm,1.6x0.8x0.8mm,150mA,4000ohm	1	SNA	
FT3000	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT400	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT401	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT402	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT403	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT404	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT405	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT600	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT601	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT602	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT603	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT604	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
FT605	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT606	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT607	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT608	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT609	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT610	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT611	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT612	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT613	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT614	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT615	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT616	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT619	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT620	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT621	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT622	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT623	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT624	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT654	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT655	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT670	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT671	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT672	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT673	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT674	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT675	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT676	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT677	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT678	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT700	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT720	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT804	3301-001145	BEAD-SMD	60OHM,4516.6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01	1	SNA	
FT8000	3301-001569	BEAD-SMD	600ohm,2012,1000mA,TP,520ohm/90MHz,730ohm/150MHz,0.1ohm	1	SNA	
FT8001	3301-001569	BEAD-SMD	600ohm,2012,1000mA,TP,520ohm/90MHz,730ohm/150MHz,0.1ohm	1	SNA	
FT8004	3301-001569	BEAD-SMD	600ohm,2012,1000mA,TP,520ohm/90MHz,730ohm/150MHz,0.1ohm	1	SNA	
CN301	3711-002049	CONNECTOR-HEADER	BOX,6P,1R,1.25mm,SMD-A,SN,WHT	1	SA	
CN400	3711-005470	CONNECTOR-HEADER	BOX,30P,1R,1.25mm,SMD-A.Sn+Pb,IVR	1	SA	
CN603	3711-005471	CONNECTOR-HEADER	BOX,12P,1R,1.25mm,SMD-A.Sn+Pb,IVR	1	SA	
L500	BN27-00001A	COIL CHOKE	68UH,68UH,10%,5845,0.50HM,7.3X7.3X3.3MM,REEL	1	SA	
L501	BN27-00001A	COIL CHOKE	68UH,68UH,10%,5845,0.50HM,7.3X7.3X3.3MM,REEL	1	SA	
L503	BN27-00001A	COIL CHOKE	68UH,68UH,10%,5845,0.50HM,7.3X7.3X3.3MM,REEL	1	SA	
L504	BN27-00001A	COIL CHOKE	68UH,68UH,10%,5845,0.50HM,7.3X7.3X3.3MM,REEL	1	SA	
L602	BN27-00009A	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-0.12S \bar{U} MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	1	SA	
L646	BN27-00009A	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-0.12S \bar{U} MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	1	SA	
L712	BN27-00017A	COIL CHOKE-SMD	PO5845-330,LT17N2,33uH,10%,0.3ohm,1A,DR5845,35.5Ts,6*5.2*4.5,1.5mm,TP	1	SA	
MPI.0	BN41-00552A	PCB MAIN	PL24FS,FR4,4L,1.0,1.6T,230*175,PL24FS	1	SNA	
MICOM(MAIN)	BN97-00489H	ASSY MICOM	PO24FS,WW	1	SNA	
IC3001	1107-001087	IC-FLASH MEMORY	29LV160,1Mx16/2Mx8,TSOP,48P,18.4x12mm,2.7/3.6V,-40to+85C	1	SA	
MICOM(VIDEO)	BN97-00489J	ASSY MICOM-VIDEO	PO24FS,WW	1	SNA	
IC802	BN09-00006A	IC MICOM	VCT4973-XM C7,144,3.3V,PAL Nicam,PMQFP,TR,0 to +70	1	SNA	
FT8003	MD29-00011A	FILTER LPF	TH355LSK-K5243,0to7MHz,-30to+85C,4.0dBmax,REEL	1	SA	
FT8005	MD29-00011A	FILTER LPF	TH355LSK-K5243,0to7MHz,-30to+85C,4.0dBmax,REEL	1	SA	
CIS	BN96-01849A	ASSY PCB P-SMPS	120W SMPS,PO24FS,100-240,AC120V,24V 3A	1	SNA	
CIS	BN96-01981A	ASSY SHIELD P-PCB	PO24FS,SECC T0.8,419.3*194.1	1	SNA	
CIS	AA63-01071A	GASKET	PO24FS,CONDUCTIVE FABRIC,2,15,90,GRAY,45K	4	SNA	
CIS	BN63-01665A	SHIELD-PCB	PO24FS,SECC,T0.8	1	SNA	
SHCOVER+PAN	BN91-00837E	ASSY SHIELD	PO24FS	1	SNA	
SHPCB+SHCOV	6001-000352	SCREW-MACHINE	FH,+M3,L6,NI,PLT,SWRCH18A,FP,-	4	SNA	
CIS	6003-001001	SCREW-TAPTITE	FH,+B.M3,L8,ZPC(BLK),SWRCH18A	4	SNA	
CIS	BN39-00597A	LEAD CONNECTOR	PO24FS,UL1061#28,14P,60mm,#28,SMH200-14,20022HS-14S00,BK,1061#28,SJ04-01-528	1	SA	
CIS	BN39-00599A	LEAD CONNECTOR	PO24FS,UL1571#30,30P,70mm,#30,1635L-30,12507HS-30L,BK,1571#30,SJ04-01-526,TAPE,P	1	SA	
CIS	BN39-00600A	LEAD CONNECTOR	PO24FS,UL2835#28,12P,70mm,#28,12507HS-12L,12507HS-12L,BK,2835#28,SJ04-01-529,POL	1	SA	
CIS	BN39-00601A	LEAD CONNECTOR	PO24FS,UL2835#28,10P,150mm,#28,SMH200-10,12507HS-10L,BK,2835#28,SJ04-01-530,POLL	1	SA	

8 Electrical Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
CIS	BN96-01980A	ASSY SHIELD P-COVER	PO24FS,SECC,T0.8,546.7*352.3	1	SNA	
CIS	BN63-01664A	SHIELD-COVER	PO24FS,SECC,T0.8	1	SNA	
CIS	BN63-01881A	EARTH-PLATE	PO24FS,SUS,T0.1,11.0,30	5	SNA	
	BN91-00841G	ASSY LCD-SPZ	PO24FS	1	SNA	
LCD	BN07-00195B	LCD-PANEL	LTM240M1-L02,NB243T,8bit,546.4*352*36.9,16.7M,16:9,0.270*0.270,0-50.5V,PVA ZPD	1	SNA	

8-2 Others

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remark
C/F+C/R C/F+STD C/R+SH/COV	BN90-00699E	ASSY COVER FRONT	PO24FS	1	SNA	
	6003-000275	SCREW-TAPTITE	BH,+B,M3,L10,BLK ,SWCH1018AK	3	SNA	
	6003-001003	SCREW-TAPTITE	BH,+B,M4,L12,ZPC(BLK),SWRCH18	4	SNA	
	6003-001238	SCREW-TAPTITE	FH,+S,M4,L8,ZPC(BLK),SWRCH18A	1	SNA	
C/F	BN96-01720A	ASSY COVER P-FRONT	PO24FS,ABS HB,D-GRAY(DG-810P)	1	SNA	
	6003-000275	SCREW-TAPTITE	BH,+B,M3,L10,BLK ,SWCH1018AK	2	SNA	
	BN63-01659A	COVER-FRONT	PO24FS,ABS,T2.7,HB,BK07	1	SNA	
	BN63-01711A	COVER-DECORATION	PO24FS,ACRYL,T2.5,551.6,12.9,HB,CREAR	1	SNA	
	BN63-01712A	COVER-KNOB CONTROL	PO24FS,ABS,T2.0,HB,GR70	1	SNA	
	BN64-00350A	KNOB CONTROL	PO24FS,ABS+PC,T2.0,BK07	1	SNA	
C/F	BN96-01817A	ASSY BOARD P-FUNCTION & IR	PO24FS,CT5000-3150,FUNCTION & IR	1	SNA	
C/R	BN90-00700C	ASSY COVER REAR	PO24FS	1	SNA	
	BN63-01661A	COVER-REAR SUB	PO24FS,ABS,T2.7,HB,BK07	1	SNA	
C/R	BN96-01721A	ASSY COVER P-REAR	PO24FS,ABS HB,SILVER(SVM-1148)	1	SNA	
	6003-001001	SCREW-TAPTITE	FH,+B,M3,L8,ZPC(BLK),SWRCH18A	2	SNA	
	BN61-01559A	BRACKET-SPEAKER	PO24FS,SECC,T2.0,15,64,TAP	2	SNA	
	BN63-01660A	COVER-REAR	PO24FS,ABS,T2.7,HB,GR70	1	SNA	
	BN73-00089A	RUBBER-SET CAP	PO24FS,Elatomer,20-30	5	SNA	
	BN90-00706A	ASSY STAND	PO24FS	1	SNA	
STD	BN96-01722A	ASSY STAND P-SET	PO24FS,ABS HB,SILVER(SVM-1148)+,D-GRAY(DG-810P)	1	SNA	
	6003-001001	SCREW-TAPTITE	FH,+B,M3,L8,ZPC(BLK),SWRCH18A	6	SNA	
	6006-000245	SCREW-MACHINE	WSP,PH,+M4,L8,ZPC(YEL),SWRCH1	4	SNA	
	BN63-01662A	COVER-STAND BASE	PO24FS,ABS,T2.5,HB,GR70	1	SA	
	BN63-01663A	COVER-STAND REAR	PO24FS,ABS,T2.5,HB,BK07	1	SA	
	BN63-01668A	COVER-STAND BOTTOM	PO24FS,Zn,T2.5,DIE-CASTING	1	SA	
	BN73-00077A	RUBBER-FOOT	MATISSE,BUMPON,*13.5,T2.0,60-70,BLACK	4	SNA	
	BN96-01692A	ASSY HINGE P-SIMPLE	PO24FS,DIE-CASTING	2	SNA	
	BN91-00836F	ASSY CHASSIS-STH	PO24FS	1	SA	
	BN92-00962G	ASSY LABEL	MJ17ASS*,W/W	1	SNA	
LABEL	BN68-00614A	LABEL RATING-00	ALL,SS,PE,T0.05,90*45,BLK,POLYESTER,NO SILK	1	SNA	
	BN68-00657D	LABEL RATING-01	ALL,SS,PE,T0.05,90,45,BLK,POLYESTER,EDC	1	SNA	
P/M	6902-000358	BAG PE	HDPE/NITRON(DOUBLE),T0.02/T0.5,W900,L800,WHT,28,4AL29NO	1	SNA	
P/M	6902-000604	BAG WRAPPING	LDPE,T0.02,W500,L10000,TRP,-,-	3	SNA	
P/M	BN69-00947A	CUSHION-SET	PO24FS,EPP FOAM,C0.02	1	SNA	
BOX	BN92-01322K	ASSY BOX	PO24FSSBS/EDC	1	SNA	
	BH68-00329C	LABEL BAR CODE-02	ALL,TC099,DOMESTIC,MOJO 90G,WHT	1	SNA	
	BN92-01325G	ASSY ACCESSORY	PO24FSSBS/EDC	1	SNA	
ACCESSORY	BN96-01816A	ASSY SPEAKER P	16ohm,Pollock,24.5W,Stand type	1	SNA	
UNIT/ACCESSORY	BN96-01907J	ASSY ACCESSORY	PO24FSSBS/EDC,FOLD PIVOIT	1	SNA	
ACCESSORY	3705-001191	CONNECTOR-COAXIAL	PAL,ADAPTER(J/P),30mohm,-,-	1	SA	
ACCESSORY	3903-000042	CBF-POWER CORD	DT,EU,FP3/YES,IEC320 C13/C14,250/250V,10-16/10A,BLK,1830MM,-,H05VV-F 3X0.75MM ² ,	1	SA	
ACCESSORY	4301-000121	BATTERY-MIN	1.5V,-,AAA,10.5x44.5mm,HOLDER	2	SNA	
ACCESSORY	6902-000023	BAG PE	LDPE,T0.08,L120,W150,TRP,-,PE MARK	1	SNA	
ACCESSORY	6902-000110	BAG PE	LDPE,T0.05,L356,W240,TRP,28.2,PE MARK	1	SNA	
ACCESSORY	AA39-00365A	CBF IF	CS29M6PF,1P,RCA-HOLDER,1900mm,BLK,RCA,FM-RADIO ANT	1	SA	
ACCESSORY	BH68-70438A	CARD-10,BLOC WARRANTY	TFT LCD,BASIC,EU,MOJO,100G,W21	1	SNA	
ACCESSORY	BH68-70448A	CARD-01	TFT LCD,SRC,RUSSIA,S/W,120,W210*L120,INSTALL CARD	1	SNA	
ACCESSORY	BN39-00061B	CBF SIGNAL-STEREO	MH15NS,1P,UL2851#26,2000mm,PLUG(BLK/GRN),BLACK,STEREO,SJ03-01-418	1	SA	
ACCESSORY	BN39-00073A	CBF SIGNAL	DET,2000MM,24P/24P,BLACK,-,DVI-D(M) TO DVI-D(M)	1	SA	
ACCESSORY	BN39-00115A	CBF SIGNAL	NL5MO,15P/15P,2990,1830MM,UL2990,BLACK,D-SUB/MALE,-,-,-	1	SA	
ACCESSORY	BN59-00434A	REMOCON	Manet_Multi,TM79,40,SV-012P,EX,NT/PAL	1	SA	
ACCESSORY	BN63-01713A	COVER-SPEAKER	PO24FS,ABS+Urethane,T2.5,HB,GR70	2	SNA	
ACCESSORY	BN68-00739Q	MANUAL-QSG	PO24FS W/W QSG,SyncMaster,W/W,Mojo100g,A4	1	SNA	
ACCESSORY QUICK_SETUP IB	BN96-00840D	ASSY MANUAL P-IB+QSG	PO24FS 242MP,SYNCMaster,W/W,30 LANG.,BN59-391D+BH68-376L	1	SNA	
	BH68-00376M	MANUAL-02	LCDQUICK SETUP GUIDE,SYNCMaster,KOREAN,DOMESTIC,MOJO100G,298,420	1	SA	
	BN59-00391D	S/W DRIVER-00,IB	PO24FS 242MP,W/W,SYNCMaster,W/W	1	SNA	

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