

Service Manual

26inch

LCD TV

Liquid Crystal Display



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**REVISION HISTORY**

VERSION	DATA	DESCRIPTION	NOTE

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Note : Specification and others are subject to change without notice for improvement.

TV

1. Input Signal :

PAL
SECAM
SD,HD
VGA ~SXGA

2. Tuner : PAL SECAM

3. Input Voltage : AC 100V ~ 240V, @ 50/60Hz, 2A

4. Power Consumption : 140W

5. LCD Module : LTA260W1 - ### (SEC)

6. Speaker Impedance : 8Ω

7. Sound Output : 7W + 7W (Max)

8. Feature :

- AV Input
- Component1 Input (DVD)
- Component2 Input (DTV)
- D-SUB (Analog RGB 15 pin)
- S-Video Input
- Composite Input
- SCART1 Input (Full/RGB,CVBS)
- SCART2 Input (Half/CVBS)
- Tuner (PAL,SECAM)
- Audio Input (Composite, Component 1/2, S-Video, PC)
- RS-232C (9 pin)

9. Function :

- ZOOM
- PIP
- PBP (4:3,16:9)
- MTS
- TELETEXT

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10. External Interface

1) AV / COMPONENT / ANALOG RGB Input

ITEM	MIN	TYP	MAX	UNIT
AV Video Input Level	0.85	1.00	1.15	Vpp
AV Sync Input Level	0.24	0.29	0.32	Vpp
AV Burst Input Level	0.14	0.28	0.35	Vpp
AV Video Input Level	0.47	0.63	0.79	V
AV Audio Input L/R	0.47	0.63	0.79	V
Component Video Input Level (Y,Cb/Pb,Cr/Pr)	0.6	0.7	0.8	Vpp
Analog RGB Level	0.6	0.7	0.8	Vpp
H/V Sync Input Level	3.5	3.7	4.5	Vpp

3) COMPONENT Mode (Y,Cb/Pb,Cr/Pr)

RESOLUTION	H-Freq(KHz)	V-Freq(Hz)	Timing	Note
720*480	15.73	60.00	480i	Component 1 (DVD)
720*576	15.63	50.00	576i	
720*480	31.47	59.94	480p	Component 2 (DTV)
1280*720	45.00	60.00	720p	
1280*720	44.96	59.94	720p	
1920*1080	33.75	60.00	1080i	
1920*1080	33.72	59.94	1080i	

4) SUPPORTING DISPLAY Mode

RESOLUTION	H-Freq(KHz)	V-Freq(Hz)
640*480	31.47	60
	37.86	72
	37.50	75
720*400	31.47	70
800*600	35.15	56
	37.88	60
	48.88	72
	46.88	75
1024*768	48.36	60
	56.48	70
	60.02	75
1280*1024	64.00	60

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CONTROL DESCRIPTIONS



❶ VOLUME () Button : VOLUME -, + Button

❷ PR Button : PROGRAM/ Channel -, + Button

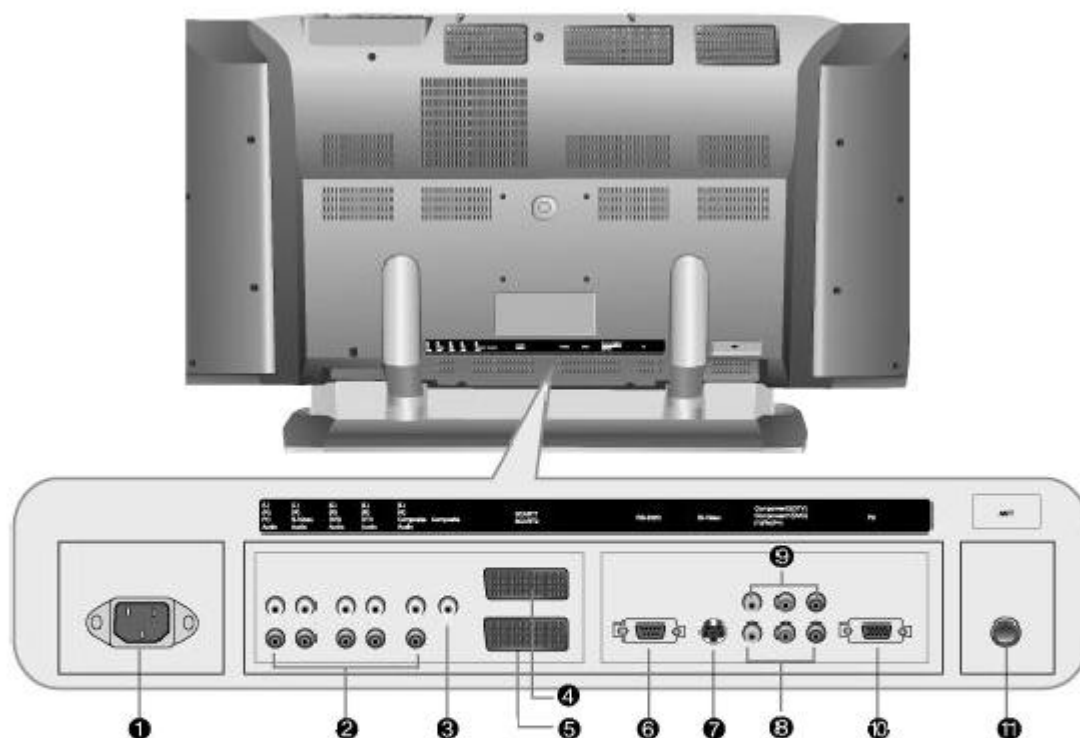
❸ MENU Button : OSD MENU Display Button

❹ Source select Button : TV, SCART 1, SCART 2, Composite, S-Video, Component 1 (DVD), Component 2 (DTV), PC, Select Button

❺ Standby Button

❻ Main Power Button : Please turn off the main power switch, if the LCD TV will not be used for a long period of time

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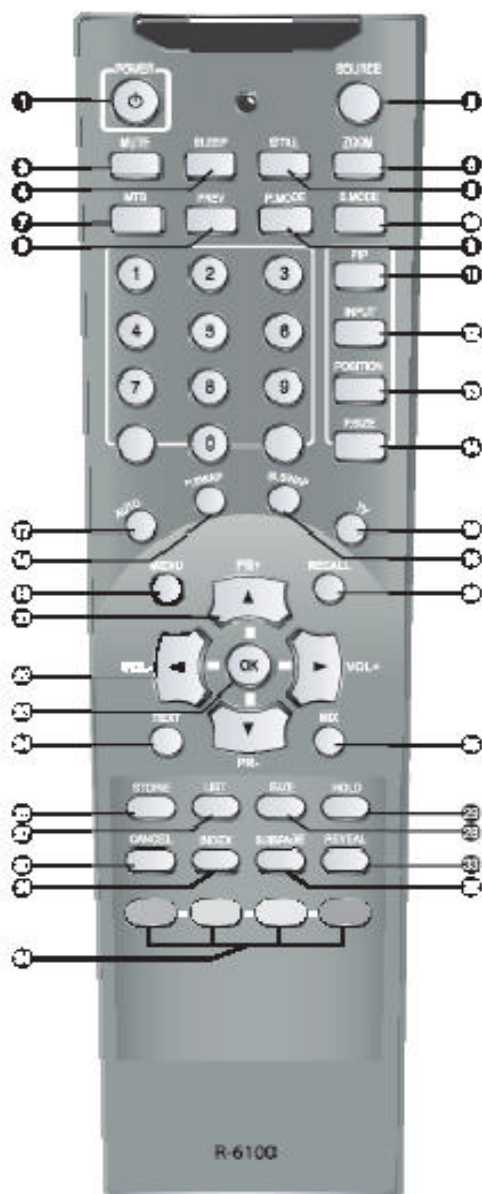


- | | |
|--|---|
| ❶ AC Input (AC 100-240V~, 50/60Hz, 2A) | ❷ S-Video Input |
| ❸ Audio Input (PC, S-Video, DVD, DTV, Composite) | ❸ Component 1 (DVD) Input 480i/576i |
| ❹ AV Input (Composite) | ❹ Component 2 (DTV) Input 480p/720p/1080i |
| ❺ SCART 1 (Full SCART) | ❺ RGB PC Input [VGA~SXGA (60Hz)] |
| ❻ SCART 2 (Half SCART) | ❻ Antenna (RF) Input |
| ❼ RS-232C | |

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REMOTE CONTROL BUTTONS

The remote control uses Infra-Red (IR). Point it towards the front of the LCD TV. The remote control may not work correctly if it is operated out of range or out of angle.



1. **POWER** : TURNS THE TV ON AND OFF
2. **SOURCE** : USE TO SELECT AN INPUT SOURCE
3. **MUTE** : PRESS TO TEMPORARILY CUT OFF THE SOUND
4. **SLEEP** : PRESS TO SELECT A TIME FOR THE TV TO TURN OFF AUTOMATICALLY
5. **STILL** : PRESS TO STOP THE ACTION DURING A PARTICULAR SCENE
6. **ZOOM** : PRESS TO CHANGE THE PICTURE SIZE
7. **MTS (Multi-Television Sound)** : PRESS TO SELECT MONO OR STEREO MODE
8. **PREV** : TURNS TO THE PREVIOUS PROGRAM
9. **P.MODE** : PICTURE STATUS MEMORY KEY (CUSTOM, DYNAMIC, STANDARD, MOVIE, MLD)
10. **S.MODE** : SOUND STATUS MEMORY KEY (CUSTOM, STANDARD, MUSIC, MOVIE, SPEECH)

◆PIP CONTROL KEY

11. **PIP** : PIP ON/OFF
12. **INPUT** : PIP INPUT SELECT KEY
13. **POSITION** : PIP POSITION CONTROL KEY
14. **P.SIZE** : PIP AND PSP MODE CHANGE
15. **P.SWAP** : PIP SOURCE SWAP
16. **S.SWAP** : SOUND SWAP KEY
17. **AUTO(AUTO IN PROGRESS)** : IN PC MODE, PRESS TO CONTROL THE MONITOR PICTURE AUTOMATICALLY
18. **TV** : TV INPUT SOURCE SELECT KEY
19. **MENU** : DISPLAYS THE MAIN ON-PICTURE MENU
20. **RECALL** : PRESS TO DISPLAY THE CURRENT PROGRAM AND AUDIO/VIDEO SETTINGS
21. **▲, ▼ (PR+, PR-)** : PROGRAM, MENU CONTROL OR PAGE UP AND DOWN KEY, STAND BY ON
22. **◀, ▶ (VOL-, VOL+)** : PRESS TO INCREASE OR DECREASE THE VOLUME OR MENU CONTROL KEY
23. **OK** : SAVE THE VALUE

◆TELETEXT CONTROL KEY

24. **TEXT** : TELETEXT KEY
25. **MIX** : MIX WITH TV PICTURE
26. **STORE** : STORE THE USER DEFINED FAVORITE PAGE
27. **LIST** : EXCHANGE FLO/LIST MODE
28. **SIZE** : TELETEXT PICTURE SIZE KEY
29. **HOLD** : HOLD FUNCTION DURING TELETEXT DISPLAY
30. **CANCEL** : DISPLAY CANCEL OR TEXT UPDATE KEY
31. **INDEX** : TEXT INDEX KEY
32. **SUBPAGE** : SUBPAGE DISPLAY MODE KEY
33. **REVEAL** : SELECT HIDDEN CONTENT DURING TELETEXT DISPLAY
34. **(RED, GREEN, YELLOW, BLUE)** : DIRECT ACCESS TELETEXT LINKED PAGE KEY

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Teletext Function

Basic Function

■ TEXT On/Off

1. Press "TTX ON" once , then displays the Teletext pages.
2. If you press "TTX ON" once more, Text mode is off.

■ TOP TEXT

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

- Group/Block/Page selection

1. With the blue button you can progress block to block.
2. Use the Yellow button to proceed to the next group with automatic overflow to the next block.
3. With the Green button you can proceed to the next existing page with automatic overflow to the next group.
4. The RED button permits to return to previous selection.

■ FLOF TEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

- Page selection

1. Press the Index button to select the index page.
2. You can select the pages, which are colour coded along the bottom line with the same coloured buttons.

Special Teletext Function key

- MIX : In the mix mode display, the underlying video and the teletext page display are both simultaneously visible on the screen. This command turns the display to mix mode and is enabled only in the text mode.
- STORE : This command stores the user defined favorite pages. This command is enabled only if the list mode is active.
- FLOF LIST : This command toggles between list mode and current. Text mode(FLOF, TOP or normal)
- SIZE : Toggle the display page size between double-size top, double-size bottom and normal.
- HOLD : The update of the current display page is halted so that the content will not be changed.
- UPDATE : Press this button to view the updated teletext page.
- INDEX : Return to the index page.
- TIME : In TV mode this command makes clock display at right-top corner.
In TEXT mode if this command is given the sub page mode is activated.
- REVEAL : Press this button to display the concealed information. Such as solutions of riddles or puzzles.
RED, GREEN, YELLOW, BLUE-In the TOP/FLOF automatic navigation mode, these keys select and display the linked page.

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PIN CONFIGURATION

1. A/D BOARD PIN CONFIGURATION

I : Input Port, O : Out Port, G : Ground, I/O : Input / Output Port, NC : Not Connected

Pin No	I/O	Specification	Description
CON4	1 (+12V)	I	+12V
	2 (+12V)	I	+12V
	3 (AC_DET)	I	+3.3V
	4 (GND)	G	GND
	5 (GND)	G	GND
	6 (GND)	G	GND
	7 (S5V)	I	S5V
	8 (GND)	G	GND
	9 (BRITE_ADJ)	O	BRIGHTNESS_ADJUST
	10 (GND)	G	GND
	11 (BKL_ON)	O	BACKLIGHT_ON
	12(POWER_ON/OFF)	O	POWER_ON/OFF
CON2	1 (GND)	G	GND
	2 (LEDG)	O	LED_GREEN
	3 (LEDR)	O	LED_RED
	4 (IR)	I	5V / 0V
	5 (GND)	G	GND
	6 (VCC)	O	5V / 0V
CON1	1 (POWER)	I	3.3V / 0V
	2 (SOURCE)	I	3.3V / 0V
	3 (MENU)	I	3.3V / 0V
	4 (CH+)	I	3.3V / 0V
	5 (CH-)	I	3.3V / 0V
	6 (VOL+)	I	3.3V / 0V
	7 (VOL-)	I	3.3V / 0V
	8 (GND)	G	GND

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J5	1 (VCC12)	O	VCC12	Power Supply +12.0V
	2 (VCC12)	O	VCC12	Power Supply +12.0V
	3 (VCC5A)	O	VCC5A	Power Supply +5.0V
	4 (MSP_L_OUT1)	O	MSP_L_OUT1	MSP LEFT Sound Output1
	5 (MSP_R_OUT1)	O	MSP_R_OUT1	MSP RIGHT Sound Output1
	6 (GND)	G	GND	Ground
	7 (MSP_L_OUT2)	O	MSP_L_OUT2	MSP LEFT Sound Output2
	8 (MSP_R_OUT2)	O	MSP_R_OUT2	MSP RIGHT Sound Output2
	9 (GND)	G	GND	Ground
	10 (AFT)	I	AFT	AFT Level
	11 (TUNER_SIF)	I	TUNER_SIF	RF TV Sound Input
	12 (GND)	G	GND	Ground
	13 (TUNER_CVBS)	I	TUNER_CVBS	RF TV Video Input
	14 (GND)	G	GND	Ground
	15 (S_MUTE)	O	S_MUTE	Sound Mute
	16 (AMP_ST-BY)	O	AMP_ST-BY	Sound Stand - by
	17 (HEAD_MUTE)	I	HEAD_MUTE	Not used
	18 (GND)	G	GND	Ground
	19 (SDA3)	I	SDA3	I2C Bus(DATA)
	20 (SCL3)	O	SCL3	I2C Bus(CLK)
J1	1 (VCC5)	O	VCC5	Power Supply +5.0V
	2 (VCC5)	O	VCC5	Power Supply +5.0V
	3 (SCART_R)	I	SCART_R	Full Scart Red Input
	4 (SCART_G)	I	SCART_G	Full Scart GREEN Input
	5 (SCART_B)	I	SCART_B	Full Scart BLUE Input
	6 (SCART_FB)	I	SCART_FB	Full Scart FAST BLANK Input
	7 (GND)	G	GND	Ground
	8 (FSCART_CVBS_IN)	I	FSCART_CVBS_IN	Full Scart Composite Input
	9 (GND)	G	GND	Ground
	10 (HSCART_CVBS_IN)	I	HSCART_CVBS_IN	Half Scart Composite Input
	11 (GND)	G	GND	Ground
	12 (FSCART_ID)	I	FSCART_ID	Full Scart Check Signal Input
	13 (HSCART_ID)	I	HSCART_ID	Half Scart Check Signal Input
	14 (GND)	G	GND	Ground
	15 (F_CVBS_OUT)	O	F_CVBS_OUT	Full Scart Composite Output
	16 (GND)	G	GND	Ground
	17 (H_CVBS_OUT)	O	H_CVBS_OUT	Half Scart Composite Output
	18 (GND)	G	GND	Ground
	19 (F_CVBS_L_OUT)	O	F_CVBS_L_OUT	Full Scart Composite Left Sound Output

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	20(F_CVBS_R_OUT)	O	F_CVBS_R_OUT	Full Scart Composite Right Sound Output
	21 (GND)	G	GND	Ground
	22(H_CVBS_L_OUT)	O	H_CVBS_L_OUT	Half Scart Composite Left Sound Output
	23(H_CVBS_R_OUT)	O	H_CVBS_R_OUT	Half Scart Composite Right Sound Output
	24 (GND)	G	GND	Ground
J2	1 (VCC5)	O	VCC5	Power Supply +5.0V
	2 (F_SC_L_IN)	I	F_SC_L_IN	Full Scart Left Sound Input
	3 (F_SC_R_IN)	I	F_SC_R_IN	Full Scart Right Sound Input
	4 (GND)	G	GND	Ground
	5 (H_SC_L_IN)	I	H_SC_L_IN	Half Scart Left Sound Input
	6 (H_SC_R_IN)	I	H_SC_R_IN	Half Scart Right Sound Input
	7 (GND)	G	GND	Ground
	8 (AV_CVBS_IN)	I	AV_CVBS_IN	Composite Video Input
	9 (AV_CVBS_DET)	I	AV_CVBS_DET	Composite Check Signal Input
	10 (GND)	G	GND	Ground
	11 (SVIDEO_L_IN)	I	SVIDEO_L_IN	SVIDEO_Left Sound Input
	12 (SVIDEO_R_IN)	I	SVIDEO_R_IN	SVIDEO_Right Sound Input
	13 (GND)	G	GND	Ground
	14 (PC_L_IN)	I	PC_L_IN	Analog RGB Left Sound Input
	15 (PC_R_IN)	I	PC_R_IN	Analog RGB Right Sound Input
	16 (GND)	G	GND	Ground
	17 (DTV_L_IN)	I	DTV_L_IN	Component2(DTV) Left Sound Input
	18 (DTV_R_IN)	I	DTV_R_IN	Component(DTV) Right Sound Input
	19 (GND)	G	GND	Ground
	20 (DVD_L_IN)	I	DVD_L_IN	Component1(DVD) Left Sound Input
	21 (DVD_R_IN)	I	DVD_R_IN	Component(DVD) Right Sound Input
	22 (GND)	G	GND	Ground
	23 (AV_L_IN)	I	AV_L_IN	Composite Left Sound Input
	24 (AV_R_IN)	I	AV_R_IN	Composite Right Sound Input

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CON5	1 (NC)	NC	NC	Not Connected
	2 (ANLOG_DIM)		BRIGHTNESS_ADJUST	LCD Brightness Adjustment
	3 (BLK_ON)		BACKLIGHT_ON	LCD Backlight ON
	4 (GND)	G	GND	Ground
	5 (ODD0-)	O	RX0-	Negative LVDS Differential data input. Channel 0
	6 (ODD0+)	O	RX0+	Positive LVDS Differential data input. Channel 0
	7 (GND)	G	GND	Ground
	8 (ODD1-)	O	RX1-	Negative LVDS Differential data input. Channel 1
	9 (ODD1+)	O	RX1+	Positive LVDS Differential data input. Channel 1
	10 (GND)	G	GND	Ground
	11 (ODD2-)	O	RX2-	Negative LVDS Differential data input. Channel 2
	12 (ODD2+)	O	RX2+	Positive LVDS Differential data input. Channel 2
	13 (GND)	G	GND	Ground
	14 (ODDCLK-)	O	RXCLK-	Negative LVDS Differential Clock input.
	15 (ODDCLK+)	O	RXCLK+	Positive LVDS Differential Clock input.
	16 (GND)	G	GND	Ground
	17 (ODD3-)	O	RX3-	Negative LVDS Differential data input. Channel 3
	18 (ODD3+)	O	RX3+	Positive LVDS Differential data input. Channel 3
	19 (GND)	G	GND	Ground
	20 (NC)	NC	NC	Not Connected
	21 (NC)	NC	NC	Not Connected
	22 (NC)	NC	NC	Not Connected
	23 (GND)	G	GND	Ground
	24 (GND)	G	GND	Ground
	25 (GND)	G	GND	Ground
	26 (VCC 5V)	O	VCC	+5.0V Power Supply
	27 (VCC 5V)	O	VCC	+5.0V Power Supply
	28 (VCC 5V)	O	VCC	+5.0V Power Supply
	29 (VCC 5V)	O	VCC	+5.0V Power Supply
	30 (VCC 5V)	O	VCC	+5.0V Power Supply

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2. I/O BOARD PIN CONFIGURATION

I : Input Port, O : Out Port, G : Ground, I/O : Input / Output Port, NC : Not Connected

Pin No		I/O	Specification	Description
J1	1 (VCC5)	I	VCC5	Power Supply +5.0V
	2 (VCC5)	I	VCC5	Power Supply +5.0V
	3 (SCART_R)	O	SCART_R	Full Scart Red Output
	4 (SCART_G)	O	SCART_G	Full Scart GREEN Output
	5 (SCART_B)	O	SCART_B	Full Scart BLUE Output
	6 (SCART_FB)	O	SCART_FB	Full Scart FAST BLANK Output
	7 (GND)	G	GND	Ground
	8(FSCART_CVBS_IN)	O	FSCART_CVBS_IN	Full Scart Composite Output
	9 (GND)	G	GND	Ground
	10(HSCART_CVBS_IN)	O	HSCART_CVBS_IN	Half Scart Composite Output
	11 (GND)	G	GND	Ground
	12 (FSCART_ID)	I	FSCART_ID	Full Scart Check Signal Output
	13 (HSCART_ID)	I	HSCART_ID	Half Scart Check Signal Output
	14 (GND)	G	GND	Ground
	15 (F_CVBS_OUT)	O	F_CVBS_OUT	Full Scart Composite Output
	16 (GND)	G	GND	Ground
	17 (H_CVBS_OUT)	O	H_CVBS_OUT	Half Scart Composite Output
	18 (GND)	G	GND	Ground
	19 (F_CVBS_L_OUT)	O	F_CVBS_L_OUT	Full Scart Composite Left Sound Output
	20 (F_CVBS_R_OUT)	O	F_CVBS_R_OUT	Full Scart Composite Right Sound Output
	21 (GND)	G	GND	Ground
	22 (H_CVBS_L_OUT)	O	H_CVBS_L_OUT	Half Scart Composite Left Sound Output
	23 (H_CVBS_R_OUT)	O	H_CVBS_R_OUT	Half Scart Composite Right Sound Output
	24 (GND)	G	GND	Ground
J2	1 (VCC5)	I	VCC5	Power Supply +5.0V
	2 (F_SC_L_)	O	F_SC_L_IN	Full Scart Left Sound Output
	3 (F_SC_R_)	O	F_SC_R_IN	Full Scart Right Sound Output
	4 (GND)	G	GND	Ground
	5 (H_SC_L_)	O	H_SC_L_IN	Half Scart Left Sound Output
	6 (H_SC_R_)	O	H_SC_R_IN	Half Scart Right Sound Output
	7 (GND)	G	GND	Ground
	8 (AV_CVBS_)	O	AV_CVBS_IN	Composite Video Output
	9 (AV_CVBS_DET)	O	AV_CVBS_DET	Composite Check Signal Output
	10 (GND)	G	GND	Ground
	11 (SVIDEO_L_)	O	SVIDEO_L_IN	SVIDEO_Left Sound Output

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	12 (SVIDEO_R_)	O	SVIDEO_R_IN	SVIDEO_Right Sound Output
	13 (GND)	G	GND	Ground
	14 (PC_L_)	O	PC_L_	Analog RGB Left Sound Output
	15 (PC_R_)	O	PC_R_	Analog RGB Right Sound Output
	16 (GND)	G	GND	Ground
	17 (DTV_L_)	O	DTV_L_	Component2(DTV) Left Sound Output
	18 (DTV_R_)	O	DTV_R_	Component(DTV) Right Sound Output
	19 (GND)	G	GND	Ground
	20 (DVD_L_)	O	DVD_L_	Component1(DVD) Left Sound Output
	21 (DVD_R_)	O	DVD_R_	Component(DVD) Right Sound Output
	22 (GND)	G	GND	Ground
	23 (AV_L_)	O	AV_L_	Composite Left Sound Output
	24 (AV_R_)	O	AV_R_	Composite Right Sound Output

3. TUNER BOARD PIN CONFIGURATION

I : Input Port, O : Out Port, G : Ground, I/O : Input / Output Port, NC : Not Connected

Pin No	I/O	Specification	Description
J5	1 (VCC12)	I	VCC12
	2 (VCC12)	I	VCC12
	3 (VCC5A)	I	VCC5A
	4 (MSP_L_OUT1)	O	MSP_L_OUT1
	5 (MSP_R_OUT1)	O	MSP_R_OUT1
	6 (GND)	G	GND
	7 (MSP_L_OUT2)	O	MSP_L_OUT2
	8 (MSP_R_OUT2)	O	MSP_R_OUT2
	9 (GND)	G	GND
	10 (AFT)	O	AFT
	11 (TUNER_SIF)	O	TUNER_SIF
	12 (GND)	G	GND
	13 (TUNER_CVBS)	O	TUNER_CVBS
	14 (GND)	G	GND
	15 (S_MUTE)	O	S_MUTE
	16 (AMP_ST-BY)	O	AMP_ST-BY
	17 (HEAD_MUTE)	O	HEAD_MUTE
	18 (GND)	G	GND
	19 (SDA3)	O	SDA3
	20 (SCL3)	O	SCL3

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4. OSD BOARD PIN CONFIGURATION

I : Input Port, O : Out Port, G : Ground, I/O : Input / Output Port, NC : Not Connected

Pin No	I/O	Specification	Description
CON1	1 (POWER)	I	3.3V / 0V POWER S/W PORT :DC POWER ON_OFF
	2 (SOURCE)	I	3.3V / 0V Input Source Selecting/Enter
	3 (MENU)	O	3.3V / 0V OSD MENU Display
	4 (CH+)	O	3.3V / 0V TV CHANNEL CONTROL(UP)
	5 (CH-)	O	3.3V / 0V TV CHANNEL CONTROL(DOWN)
	6 (VOL+)	O	3.3V / 0V SOUND CONTROL(VOLUME UP)
	7 (VOL-)	O	3.3V / 0V SOUND CONTROL(VOLUME DOWN)
	8 (GND)	G	GND Ground

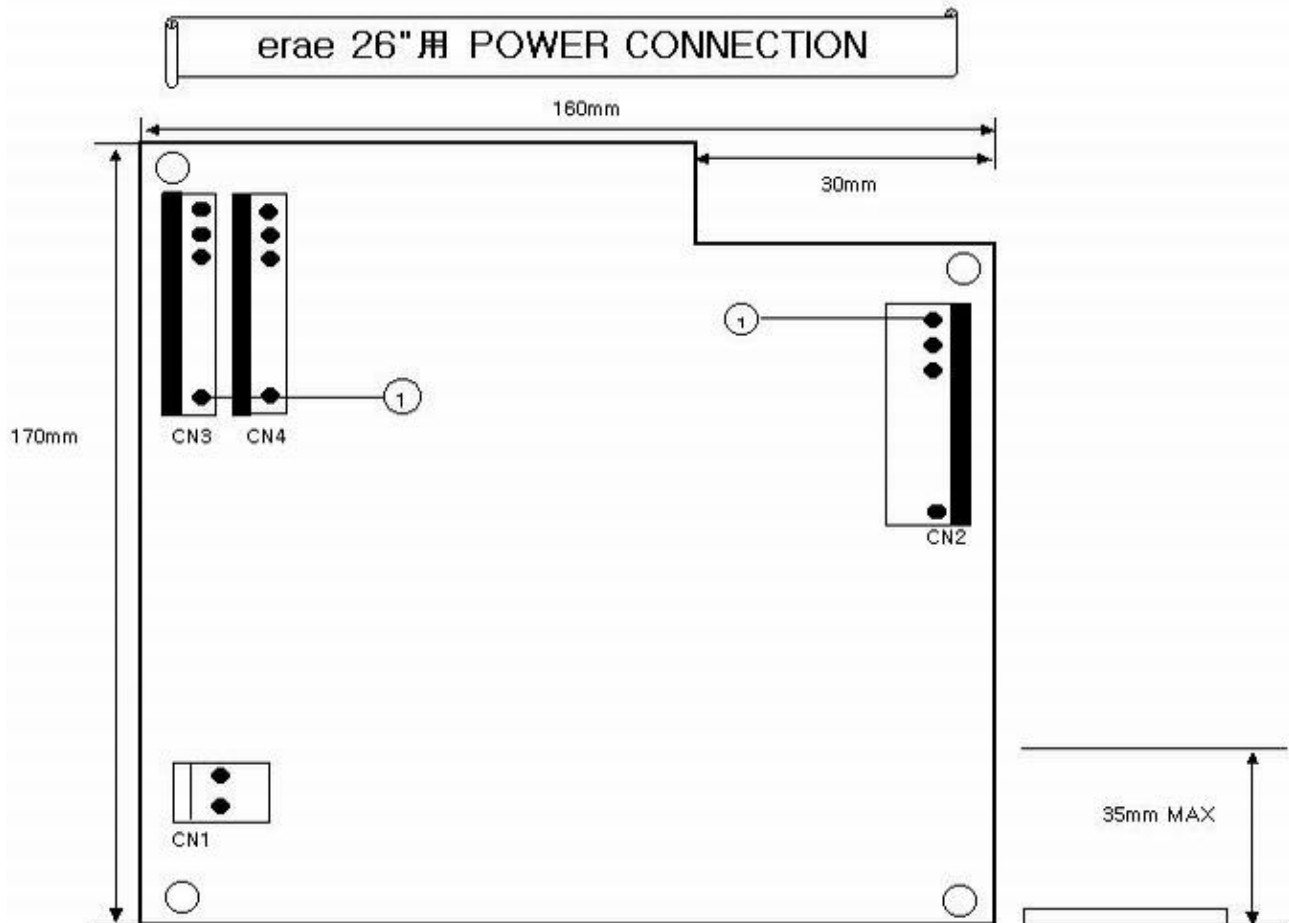
5. IR/LED BOARD PIN CONFIGURATION

I : Input Port, O : Out Port, G : Ground, I/O : Input / Output Port, NC : Not Connected

Pin No	I/O	Specification	Description
CON1	1 (GND)	G	GND Ground
	2 (LEDG)	O	LED_GREEN GREEN LED CONTORL OUTPUT PORT : High : Green LED On
	3 (LEDR)	O	LED_RED RED LED CONTORL OUTPUT PORT : High : Red LED On
	4 (IR)	O	5V / 0V IR RECEIVER SIGNAL INPUT PORT
	5 (GND)	G	GND Ground
	6 (VCC)	I	5V / 0V OSD B/D 5V Output

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6. POWER BOARD PIN CONFIGURATION



NO	CN1	NO	CN2	NO	CN3,CN4
1	AC	1	+12V	1	+15V
2	AC	2	+12V	2	+15V
3	AC DETECT	3	GND	3	+15V
4		4	GND	4	+15V
5		5	GND	5	+15V
6		6	GND	6	+15V
7		7	+5VS	7	+15V
8		8	GND	8	+15V
9		9	BRI-ADJ	9	NC
10		10	GND	10	GND
11		11	B/L ON/OFF	11	GND
12		12	CONTROL	12	GND
				13	GND
				14	BRI-ADJ
				15	B/L ON/OFF

3A

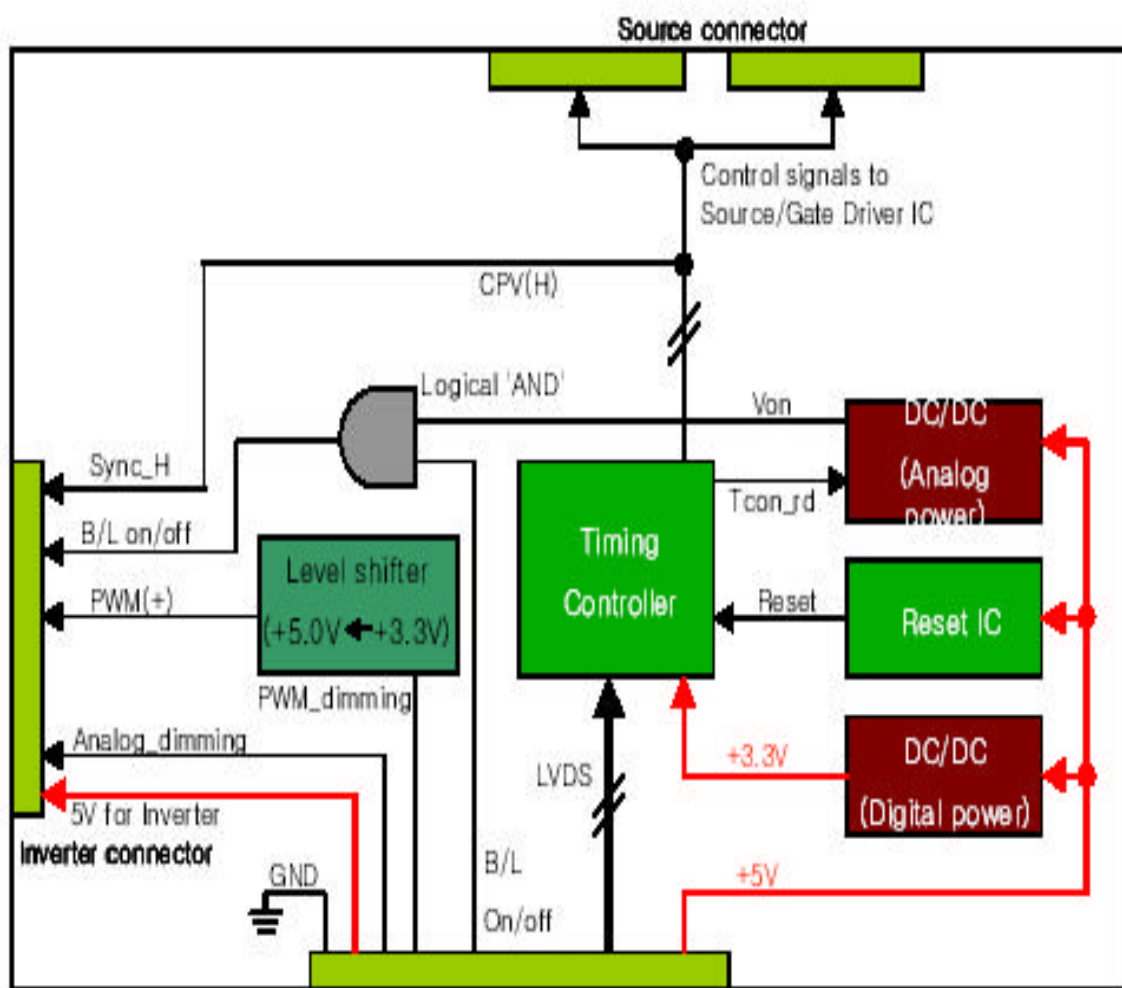
8A(Typ)
10A(Max)

6MW200-03A(1선 2선 3선)
6MW200-12P(번호표)
6MW200-15P(번호표)

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7. MODULE BASIC CONFIGURATION

[LTA260W1 - ### (SEC)]



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FACTORY MENU

1. CALIBRATION MENU

```

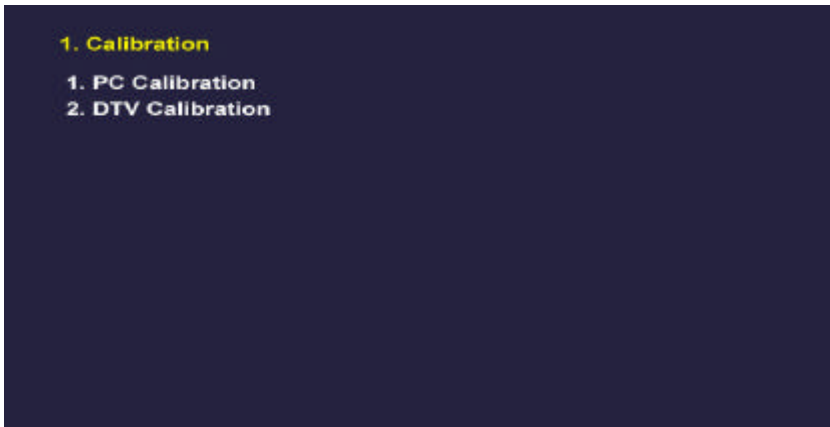
1. Calibration
2. Option Table 0002
3. Color control
4. PW565
5. VPC3230-MAIN
6. VPC3230-SUB
7. ADC
8. Heatrun
9. Version
10. Setup
  
```

FACTORY MODE

- 1. Calibration
: Automatic adjustment of white balance for Analogue input (PC) and Component2 (DTV) input.
- 2. Option Table 0002
: Initial installation of OSD.
- 3. Color control
: Adjustment of contrast and brightness for scaler generating power.
- 4. PW565
: Adjustment of contrast and brightness for scaler input port (CH1 or CH2).
- 5. VPC3230-MAIN
: Value adjustment for video decoder 's brightness and contrast, color tickness in the main window.
- 6. VPC3230-SUB
: Value adjustment for video decoder 's brightness and contrast, color tickness in the sub window.
- 7. ADC
: Value adjustment for brightness and contrat, color thickness of analogue RGB, Y,Pb,Pr of AD9883 A/D convertor.
- 8. Heatrun
: The mode when you do aging.
- 9. Version
: It shows the information of Firmware version and Panel.
- 10. Setup
: Installation of TTX language and video, protocol, logo.

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2. CALIBRATION MENU

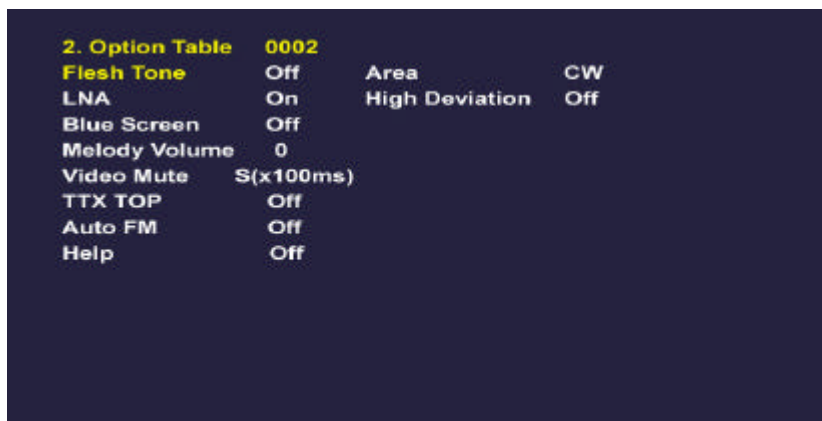
- 
- The screenshot shows a dark blue background with yellow and white text. At the top, '1. Calibration' is written in yellow. Below it, '1. PC Calibration' and '2. DTV Calibration' are listed in white.
- 1. Calibration
 - 1. PC Calibration
 - 2. DTV Calibration

CALIBRATION MENU

- 1. PC Calibration
 - : Automatic adjustment as the fittest status of white balance for analogue input (PC)
- 2. DTV Calibration
 - : Automatic adjustment as the fittest status of white balance for component2 (DTV) input.

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3. OPTION TABLE MENU



OPTION TABLE MENU

- Flesh tone
- LNA(Low Noise Amplifier)
: On/Off Installation of screen quality improvement fuction, when TV input signal is weak.
- Blue Screen
: When there are no input signal of the TV and external equipment, you can install the screen color as blue.
- Melody Volume
: Installation of the melody volume for initial soft power On/Off. The volume is ex-factoryed as " 0 " due to license.
- Video Mute
- TTX TOP
- Auto FM
- Help
- Area
- High Deviation

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4. COLOR CONTROL MENU

3. Color Control			
Sub-Brightness	128	Sub-Contrast	108
Red Offset	128	Red Gain	128
Green Offset	128	Green Gain	128
Blue Offset	128	Blue Gain	128
Brightness	0	Contrast	0
TTX-Bright	0	TTX-Contrast	0

COLOR CONTROL MENU

- Sub-Brightness
: The brightness adjustment of scaler generating power.
- Red, Green, Blue Offset
: The brightness adjustment of each Red, Green, Blue for scaler generating power.
- Brightness
: The brightness adjustment of current screen. Adjustment value of brightness for User Menu
- TTX-Bright
: It is not useful mode.
- Sub Contrast
: Contrast adjustment of scaler generating power.
- Red, Green, Blue Gain
: Contrast adjustment of each Red, Green, Blue for Scaler generating power.
- Contrast
: Contrast adjustment for current screen. The value adjustment of contrast for User Menu
- TTX-Contrast
: It is not useful mode.

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5. PW565 MENU

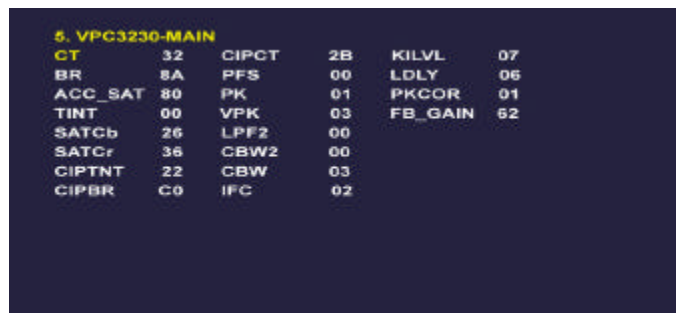
4. PW565			
Red Gain	140	Pixel Shift	Video Port
Green Gain	140	Pixel Number	4
Blue Gain	140	Time	4
Red Offset	128	Virtual Framelock	2
Green Offset	140	Alpha	255
Blue Offset	140	Beta	255
APL	Off	Degree	30

PW565 MENU

- Red,Green,Blue Gain
: The contrast value adjustment of each Red, Green, Blue for scaler input port (CH1 OR CH2)
- Red,Green,Blue Offset
: The brightness adjustment of each Red, Green, Blue for scaler input port (CH1 OR CH2)
- APL
- Pixel Shift
- Pixel Number
- Time
- Virtual Framelock
: Installation of flame frequency for panel (50Hz, 60Hz).
- Alpha
- Beta
- Degree

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6. VPC3230-MAIN MENU



VPC3230-MAIN MENU

- CT
: Contrast adjustment of Composite & S-Video form 's signal.
- BR
: Brightness adjustment of Composite & S-Video form 's signal.
- ACC_SAT
- TINT
: The color sense adjustment of Composite & S-Video form 's signal.
- SATCb
: The blue color sense adjustment of Component & RGB form 's signal.
- SATCr
: The red color sense adjustment of Component & RGB form 's signal
- CIPTNT
: The color sense adjustment of Component & RGB form 's signal.
- CIPBR
: The brightness adjustment of Component & RGB form 's signal.
- KILVL
- LDLY
: The delayed time adjustment of brightness signal.
- PKCOR
- FB_GAIN

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7. VPC3230-SUB MENU

6. VPC3230-SUB					
CT	32	CIPCT	2B	KILVL	07
BR	8A	PFS	00	LDLY	06
ACC_SAT	80	PK	01	PKCOR	01
TINT	00	VPK	03	FB_GAIN	62
SATCb	26	LPF2	00		
SATCr	36	CBW2	00		
CIPTNT	22	CBW	03		
CIPBR	C0	IFC	02		

VPC3230-SUB MENU

- CT
: The contrast adjustment of Composite & S-Video form 's signal.
- BR
: The brightness adjustment of Composite & S-Video form 's signal.
- ACC_SAT
- TINT
: The color sense adjustment of Composite & S-Video form 's signal.
- SATCb
: The blue color sense adjustment of Component & RGB form 's signal.
- SATCr
: The red color sense adjustment of Component & RGB form 's signal.
- CIPTNT
: The color sense adjustment of Component & RGB form 's signal.
- CIPBR
: The brightness adjustment of Component & RGB form 's signal.
- KILVL
- LDLY
: The delayed time installation of brightness signal.
- PKCOR
- FB_GAIN

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8. ADC MENU

7. ADC			
Red Gain	166	Pr Gain	155
Green Gain	166	Y Gain	157
Blue Gain	161	Pb Gain	155
Red Offset	63	Pr Offset	63
Green Offset	77	Y Offset	59
Blue Offset	69	Pb Offset	61
Current	0	TTX Phase	96
VCO	0	TTX Contrast	00

ADC MENU

- Red, Green, Blue Gain
: Control ADC input range (Contrast) of each respective channel.
- Red, Green, Blue Offset
: Control dc offset (Brightness) of each respective channel.
- Current
: Installation of PLL Part VCO Current. (For test)
- VCO
: Installation of PLL Part VCO Range (For test)
- Pr, Y, Pb Gain
: Contrast adjustment of Component2 Pr, Y, Pb signal.
- Pr, Y, Pb Offset
: Brightness adjustment of Component2 Pr, Y, Pb signal.
- TTX Phase
: It is not useful mode.
- TTX Contrast
: It is not useful mode.

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9. HEATRUN MENU



HEATRUN MENU

- 1. Auto Run
: It is the mode to change the heatrun pattern as a certain time interval.
- 2. Luma Ramp (16 Step)
: It is gray pattern of 16 Step.
- 3. Luma Ramp (128 Step)
: It is gray pattern of 128 Step.
- 4. White 16
: It is low Gray pattern.
- 5. White 240
: It is high gray pattern.
- 6. Color Bar
: It is color Bar Pattern.
- 7. RGB Ramp (32 Step)
: It is RGB Ramp pattern of 32 Step.

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10. VERSION MENU



VERSION MENU

- Version
: It is to show the Firmware Version.
- Release
: It is to show the date of Firmware revision.
- Panel Used Time
: It is to show the used time of Panel.
- Panel Name
: It is to show the name of the PDP.

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11. SETUP MENU



SETUP MENU

■ 1. TTX Language

: Installation of initial language of the TTX.

West Europe	East Europe	Turkish	Cyrillic	Farsi	Arabic
English	Polish	English	English	English	English
France	France	France	Russian	France	France
Scandinavian	Scandinavian	Scandinavian	Estonian	Scandinavian	Scandinavian
Czech, Slovak	Czech, Slovak	Turkish	Czech, Slovak	Czech, Slovak	Czech, Slovak
German	German	German	German	German	German
Spain, Portuguese	Slovenian, Croatian	Spain, Portuguese	Ukrainian	Hebrew	Hebrew
Italian	Italian	Italian	Lettish, Lithuanian	Italian	Italian
English	Rumanian	Greek	Ukrainian	Arabic	Farsi

2. Video

: Video format per country and it is composed of Normal, PAL N, PAL M

■ 3. Protocol

: Installation of communication protocol for remote control.

(Normal : Debug, Remote Control : rpc)

■ 4. LOGO

: Installation to show company logo on the screen when power "On" (ON/OFF).

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WHITE BALANCE ADJUSTMENT

1. Color temperature (White Balance) adjustment

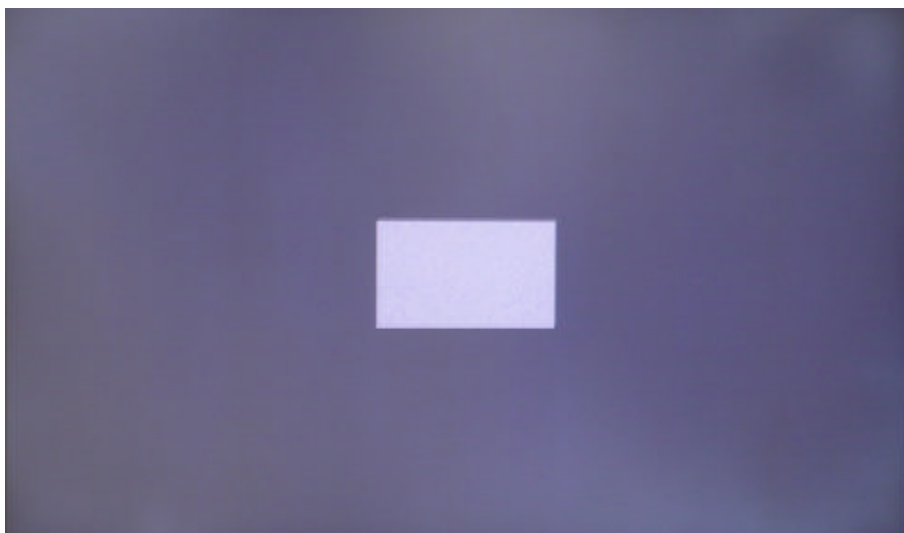
1) How to enter Factory mode for adjustment of White Balance

(1) LCD TV Power "On" - -> SOURCE key on Remote control.

(2) Choose composite first and then LCD TV Power "Off".

(3) LCD TV Power "Off" (Stand-by) and S.MODE on the R/C ==> P.MODE ==> PREV ==> OK

2) For COMPOSITE adjustment (manual adjustment)



(1) Signal Generator supply the pattern of above picture. (Timing 386, Pattern 10)

- Timing 386

(Name : PAL B,D,G,H,I HF : 625 VF : 50 Resolution : 768 × 576)

- Pattern 10 (Window-ON/OFF)

(R_Level : 50 G_Level : 50 B_Level : 50)

(2) After movement to 3.color control on Factory Mode, move to sub menu as choice of volume button.

(3) After check the Brightness 50, Contrast 85, choose the Sub-Brightness.

Zero calibration's execution of CA-110 and the sensor Keep distance of about 10 Cm in surface of LCD module

(4) Adjustment as choice of volume button in order that it becomes $Y = 6.0 \pm 0.5 \text{ cd/m}^2$ on the sub brightness.

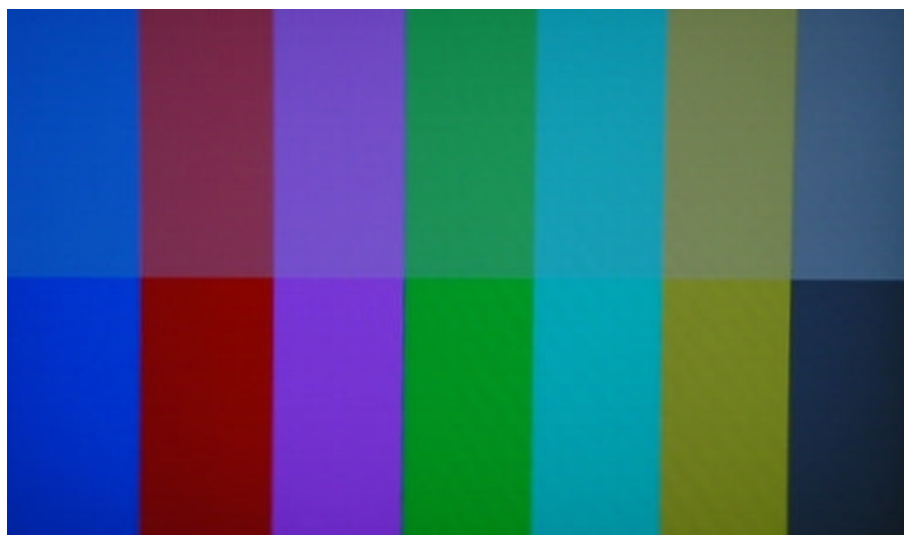
(6) Color coordinates' adjustment of Red Offset, Green Offset, Blue Offset using this kind of method.

Color coordination $x = 0.281 \pm 0.007$, $y = 0.295 \pm 0.007$, $Y = 6.0 \pm 0.5 \text{ cd/m}^2$

(7) The Sub-Brightness' readjustment when it is not satisfied with brightness after adjustment.

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3) For DTV adjustment



(1) Signal Generator supply the pattern of above picture.

- Timing 395

(Name : HD (720P 60Hz) HF : 45 VF : 60 Resolution : 1280 × 720)

- Patten 251 (Color-Bar-16)

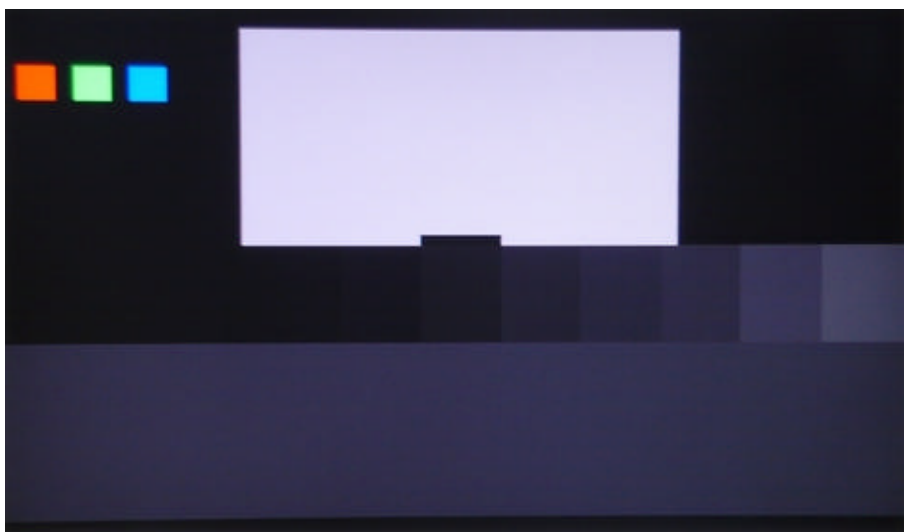
(2) After movement to 1.calibration on Factory Mode, move to sub menu as choice of volume button

(3) After movement to 2. DTV Calibration, choose it with volume button.

(4) If OK key, it starts the calibration.

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4) For PC adjustment



- (1) Signal Generator supply the pattern of above picture.
 - Timing 313
(Name : 1024 × 768 HF : 48.363 VF : 60.004 Resolution : 1024 × 768)
 - Pattern 609 (Toshiba)
- (2) After movement to 1.calibration on Factory Mode, move to sub menu as choice of volume button.
- (3) After movement to 1. PC Calibration, choose it with volume button.
- (4) If OK key, it starts the calibration automatically

How to exit the Factory Mode

S.MODE ==> P.MODE ==> PREV ==> OK

5) Adjustment verification

Adjustment as volume "0" and then 4 times of OK key

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DESCRIPTION OF SPECIAL FUNCTIONS

1. P.MODE (Picture Mode)

Function to adjust picture status to an optimal condition in accordance with the type of program being viewed (custom, dynamic, standard, movie, mild).

2. S.MODE (Sound Mode)

Function to adjust sound status to an optimal condition in accordance with the type of program being viewed (custom, standard, music, movie, speech).

3. ZOOM

Function to adjust the picture size. (Auto wide, wide, panorama, zoom1, zoom2, 4:3, 14:9)

4. PANORAMA

Function to prevent pictures recorded in the 4:3 format from being stretched to the extreme left and right when played on a 16:9 display. Since the focus of the camera is concentrated on the center, it naturally enlarges the picture within the outer perimeter of the screen without expanding the central area.

5. PIP (Picture In Picture)

Function to enable the simultaneous viewing of two pictures by displaying a small sub-frame within the main picture. The main picture may be viewed with multiple types of input source (Analog/Digital RGB, composite, S-Video, component), while the sub-frame is only available in composite, S-Video or component (480i).

6. PBP (Picture By Picture)

Function to assign two separate signals onto a single screen, thereby enabling the viewer to simultaneously watch different pictures on each half of the display.

7. PIP Swap Simultaneous Conversion Between Sub and Main Pictures.

Function to convert between the sub-frame and main picture being watched simultaneously.

8. PIP Sound Swap Simultaneous Conversion Between sub and Main Picture Audio

Function to convert between simultaneous audio streams from the sub-frame and main picture being viewed.

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9. EQUALIZER

Function to control sound according to frequency. (100Hz, 300Hz, 1KHz, 3KHz, 10KHz)

10. AVL (Auto Volume Level)

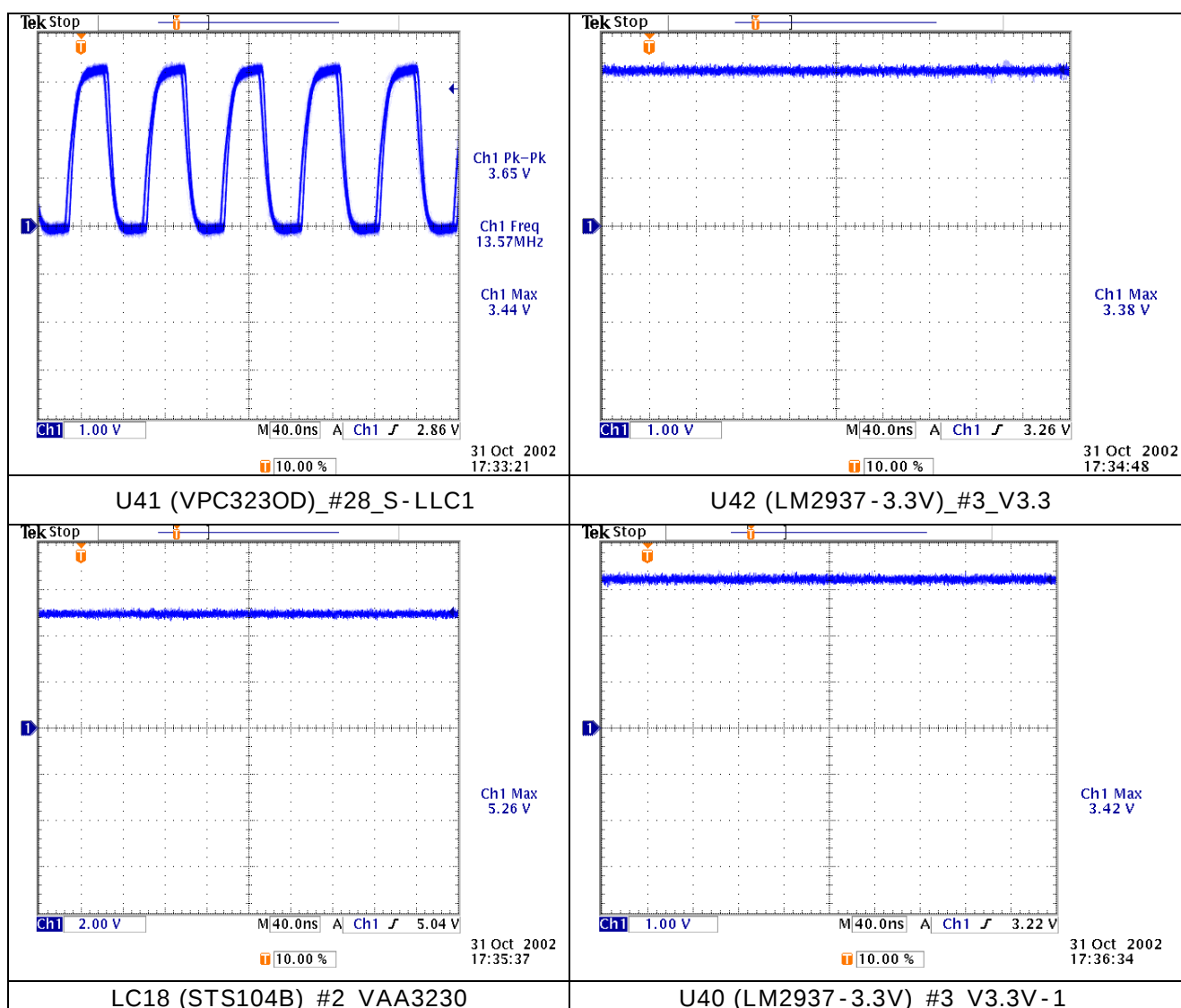
Function to automatically adjust varying sound levels from each individual broadcasting company to an appropriate volume, in case of watching a television connected to external equipment. This allows to viewer to enjoy a comfortable and stable sound level even when changing the channel.

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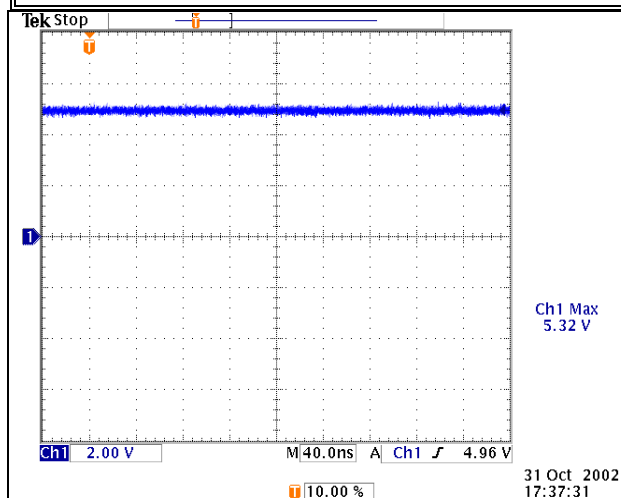
CIRCUIT OPERATION & WAVEFORM

1. VPC3230D (Video Processor)

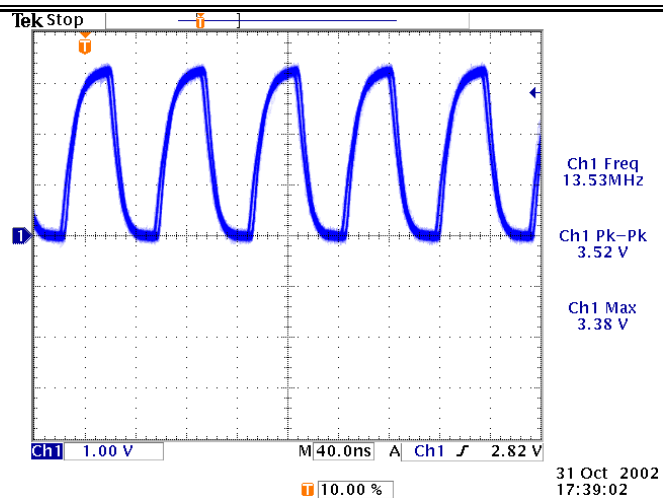
Converts analog pictures (including Composite, S-Video, Component (480i) or the like) to Y-UV digital pictures. Compatible with various TV formats of NTSC, PAL, SECAM, etc.



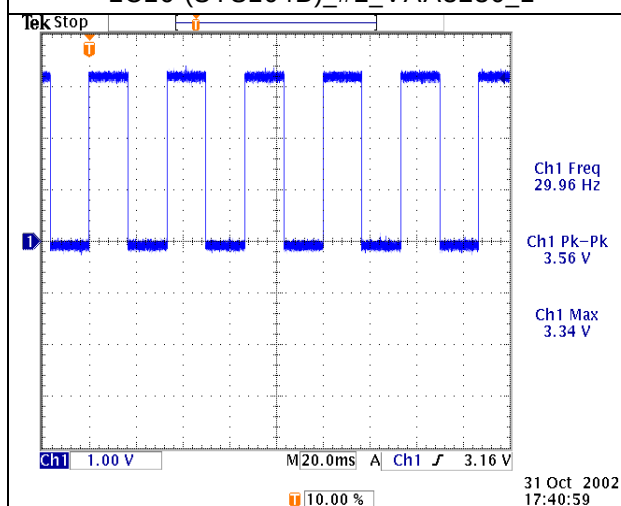
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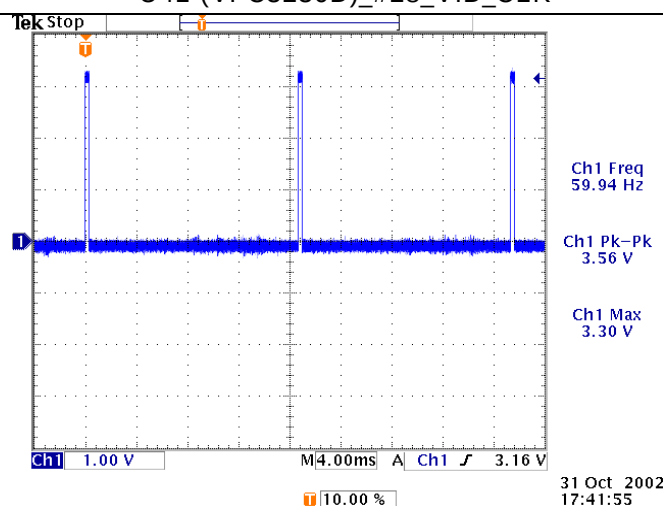
LC16 (STS104B)_#2_VAA3230_1



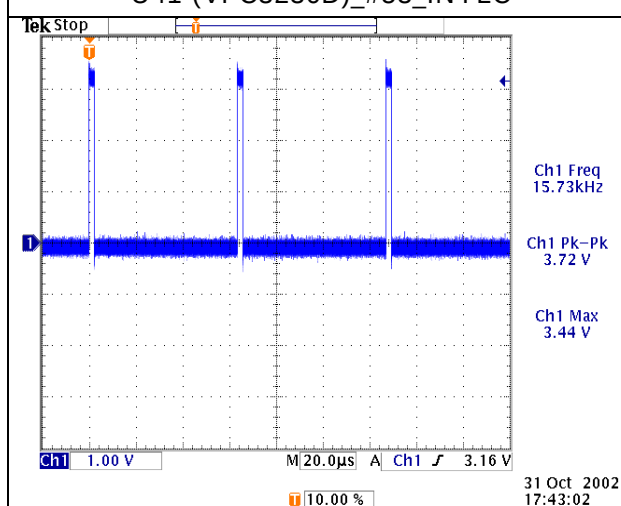
U41 (VPC3230D)_#28_VID_CLK



U41 (VPC3230D)_#53_INTLC



U41 (VPC3230D)_#57_VID-VS

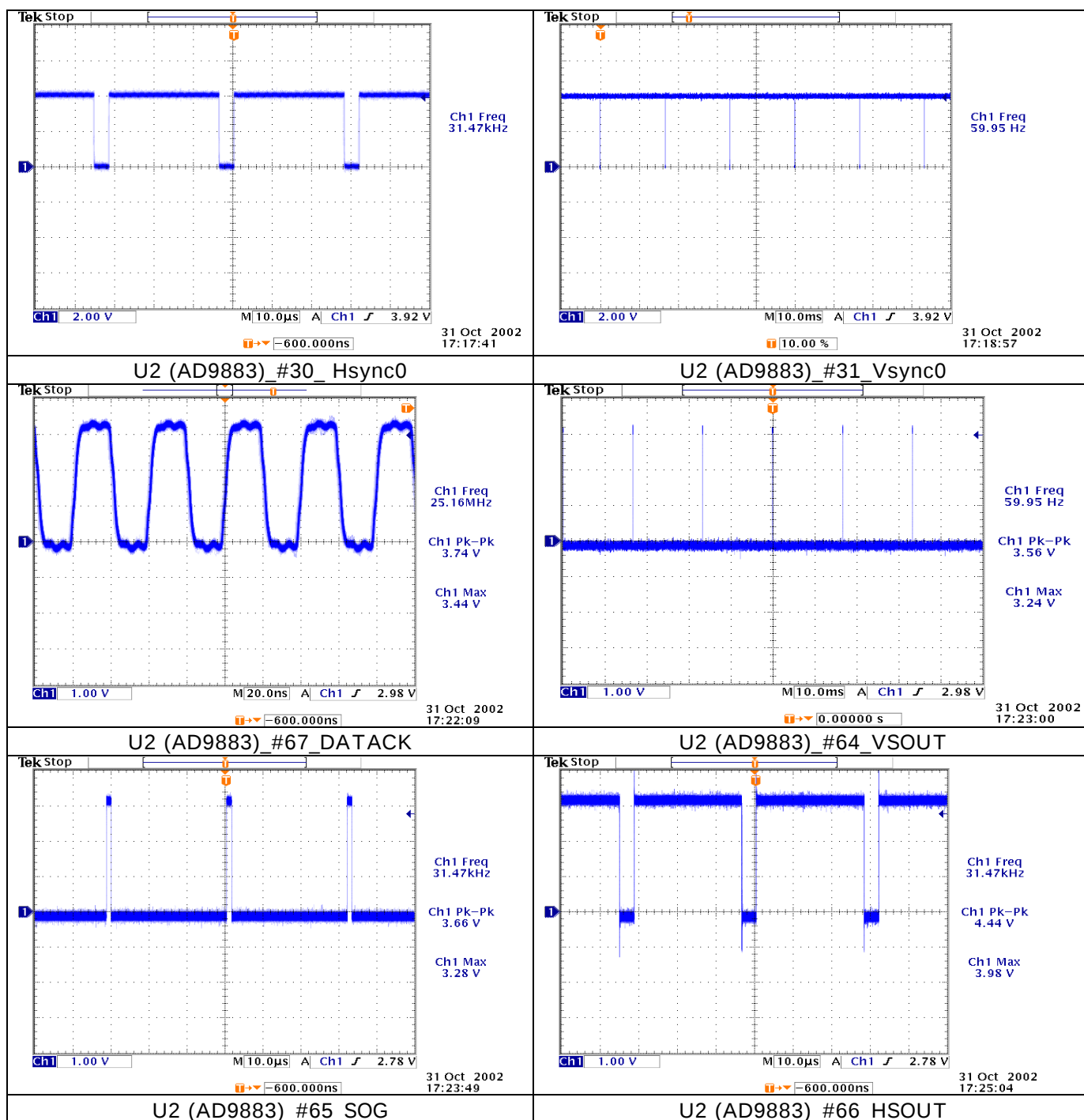


U41 (VPC3230D)_#56_VID-HS

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2. AD9883 (A/D Converter)

Converts an analog RGB signal to a process able digital signal. Converts a component signal (480p, 720p, 1080i) to a digital signal and transmits it to PW565 (Scaler).

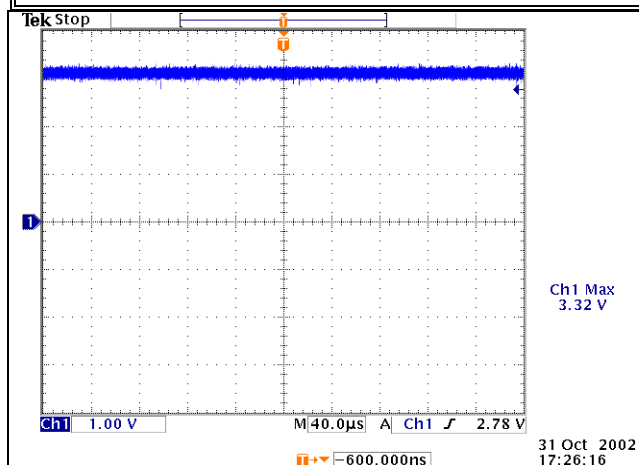


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DLP-2622 SERVICE MANUAL

E-RAE ELECTRONICS

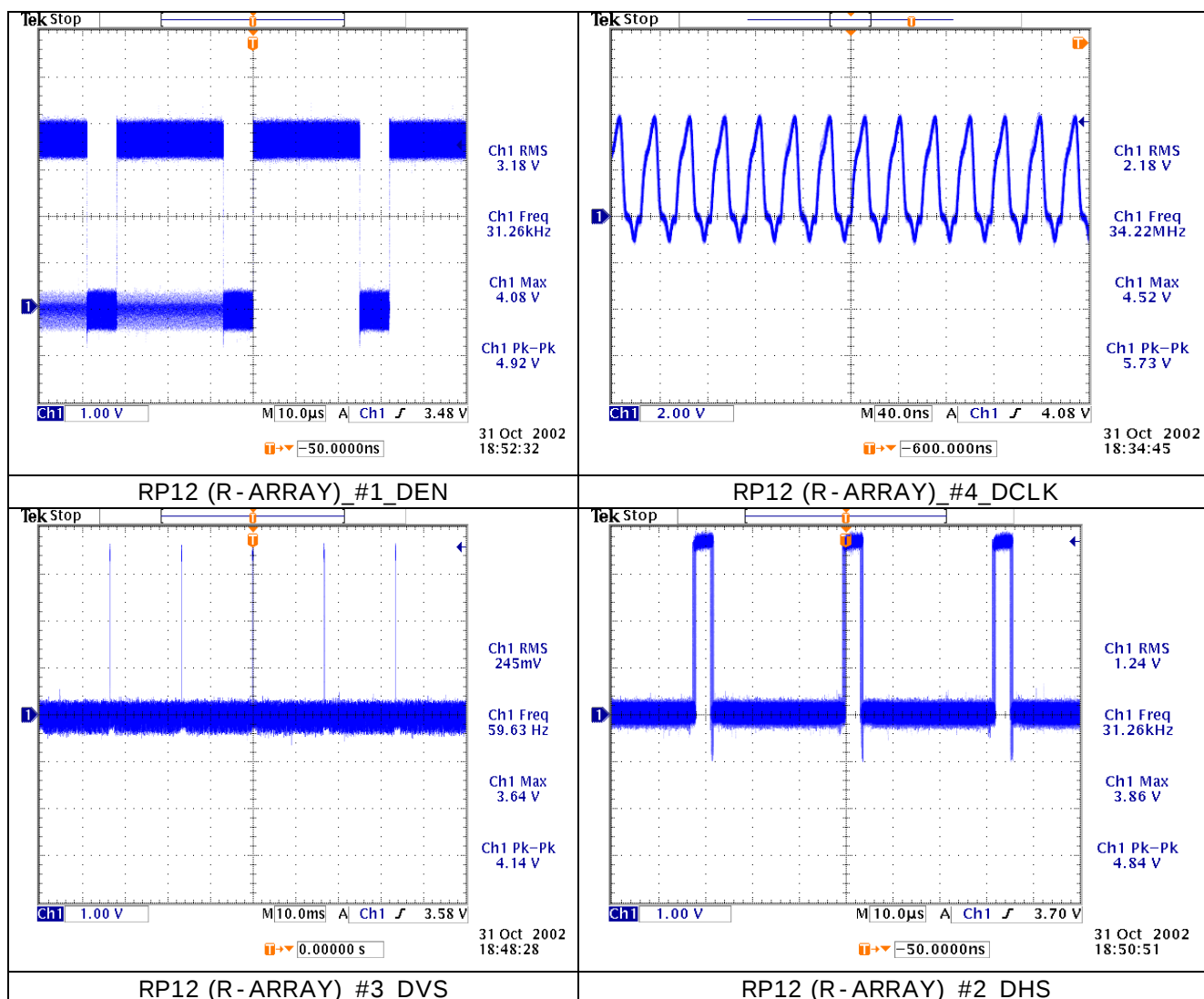


U1 (LM2937)_#3_ VO

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3. PW565 (Scaler)

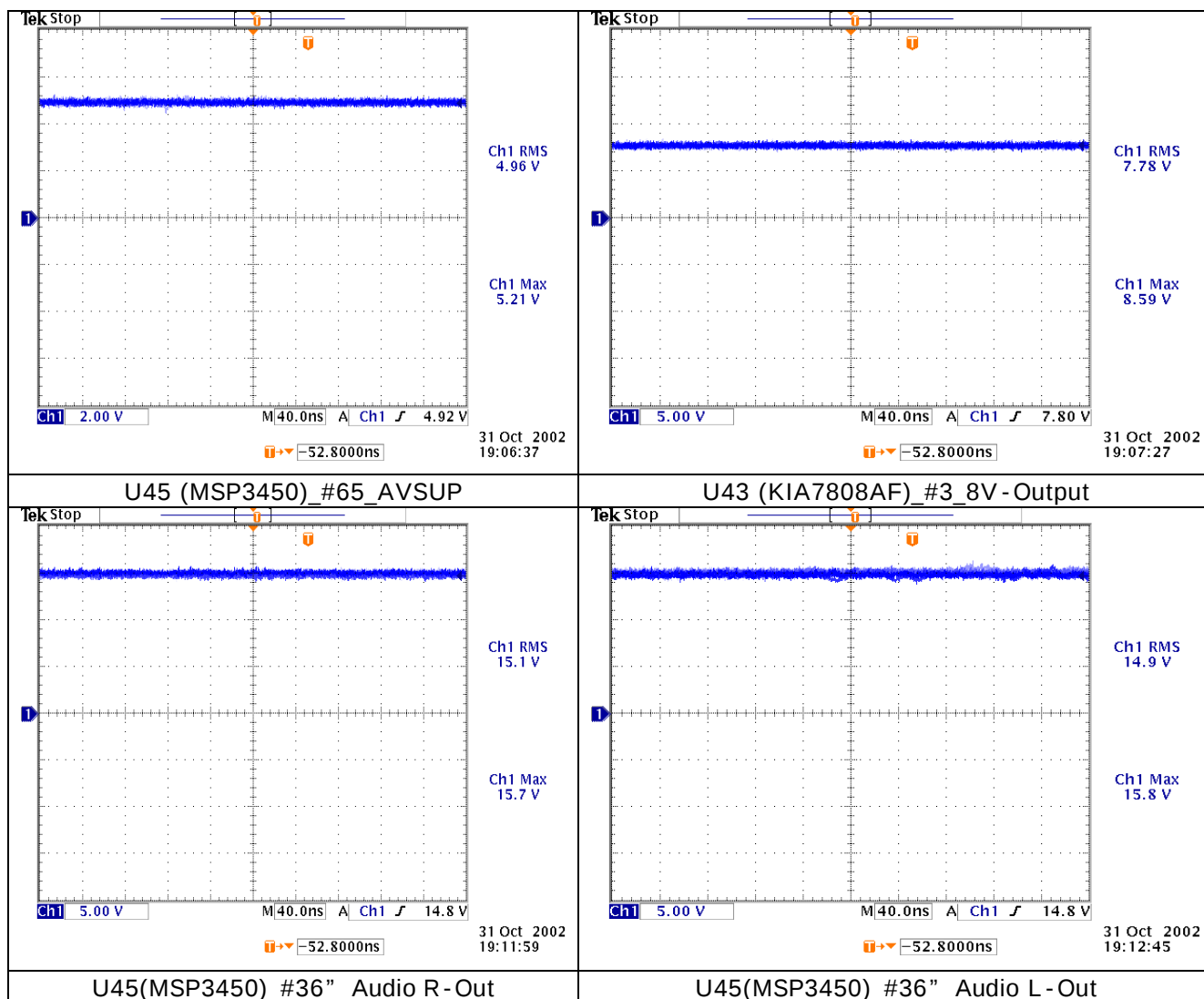
Receives, at the same time, a video signal from VPC3230, an Analog/Digital RGB signal and a Component signal, which are converted at AD9883 and THC63DV151, adjusted to a LCD display, and transmitted to a LCD module. In particular, it receives any PC signal input at various scanning rates and performs scaling to adjust to LCD resolution.



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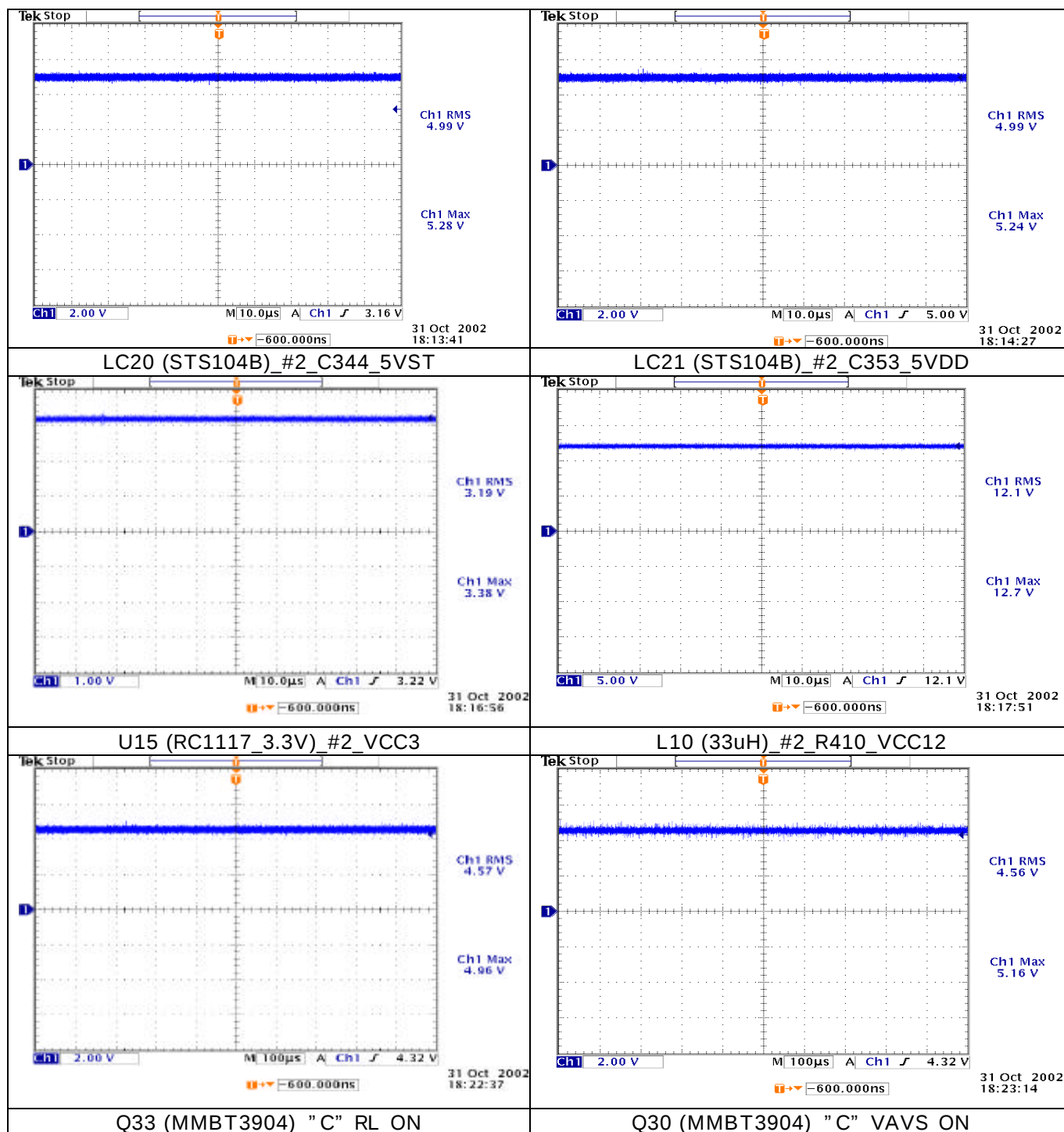
4. MSP3450 (Sound Processor)

Receives and converts any Sound IF signal from a TV Tuner to a general audio signal (LCD TV). Also, outputs the desired input signal out of many audio input signal options, and produces a woofer signal or Headphone signal as well as a general Speaker signal (LCD TV).



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5. Power & MISC Waveform



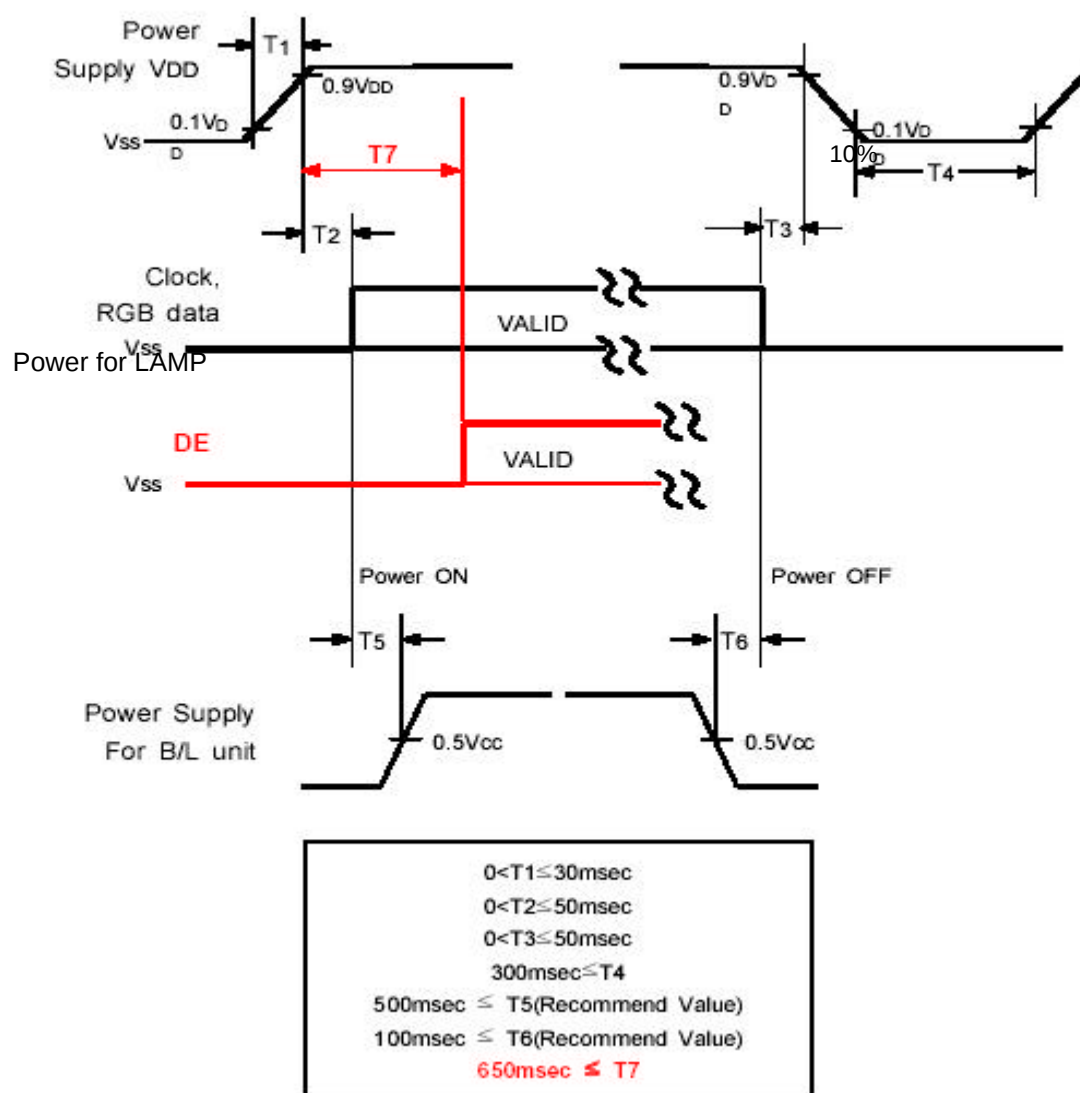
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MODULE POWER SEQUENCE

[LTA260W1 - ### (SEC)]

1. Power ON/OFF Sequence

To prevent a latch-up or DC operation of the LCD module, the power on/off sequence should be as the diagram below.

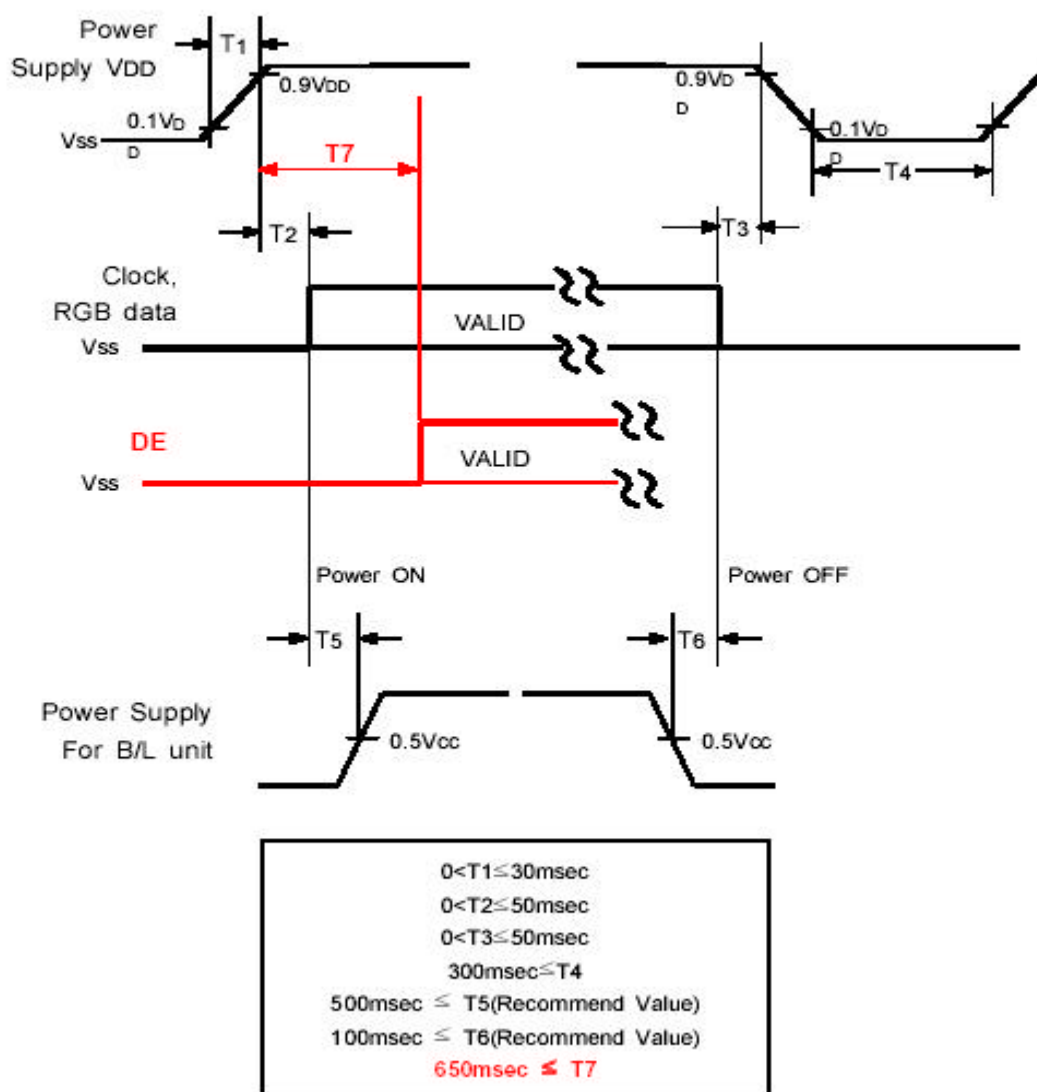


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[LTA260W1 - ### (SEC)]

1. Power ON/OFF Sequence

To prevent a latch-up or DC operation of the LCD module, the power on/off sequence should be as the diagram below.



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MODULE PRECAUTIONS

1. GENERAL PRECAUTIONS

1.1 Handling

- (a) When the module is assembled, It should be attached to the system firmly using every mounting holes.
Be careful not to twist and bend the modules.
- (b) Refrain from strong mechanical shock and / or any force to the module. In addition to damage, this may cause improper operation or damage to the module and CCFT back-light.
- (c) Note that polarizers are very fragile and could be easily damaged. Do not press or scratch the surface harder than a HB pencil lead.
- (d) Wipe off water droplets or oil immediately. If you leave the droplets for a long time, Staining and discoloration may occur.
- (e) If the surface of the polarizer is dirty, clean it using some absorbent cotton or soft cloth.
- (f) The desirable cleaners are water, IPA(Isopropyl Alcohol) or Hexane. Do not use Ketone type materials(ex. Acetone), Ethyl alcohol, Toluene, Ethyl acid or Methyl chloride. It might permanent damage to the polarizer due to chemical reaction.
- (g) If the liquid crystal material leaks from the panel, it should be kept away from the eyes or mouth .
In case of contact with hands, legs or clothes, it must be washed away thoroughly with soap.
- (h) Protect the module from static , it may cause damage to the CMOS Gate Array IC.
- (i) Use finger-stalls with soft gloves in order to keep display clean during the incoming inspection and assembly process.
- (j) Do not disassemble the module.
- (k) Do not pull or fold the lamp wire.
- (l) Do not adjust the variable resistor which is located on the module.
- (m) Protection film for polarizer on the module shall be slowly peeled off just before use so that the electrostatic charge can be minimized.
- (n) Pins of I/F connector shall not be touched directly with bare hands.

1.2 Storage

- (a) Do not leave the module in high temperature, and high humidity for a long time. It is highly recommended to store the module with temperature from 0 to 35C and relative humidity of less than 70%.
- (b) Do not store the TFT-LCD module in direct sunlight.

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- (c) The module shall be stored in a dark place. It is prohibited to apply sunlight or fluorescent light during the store.

1.3 Operation

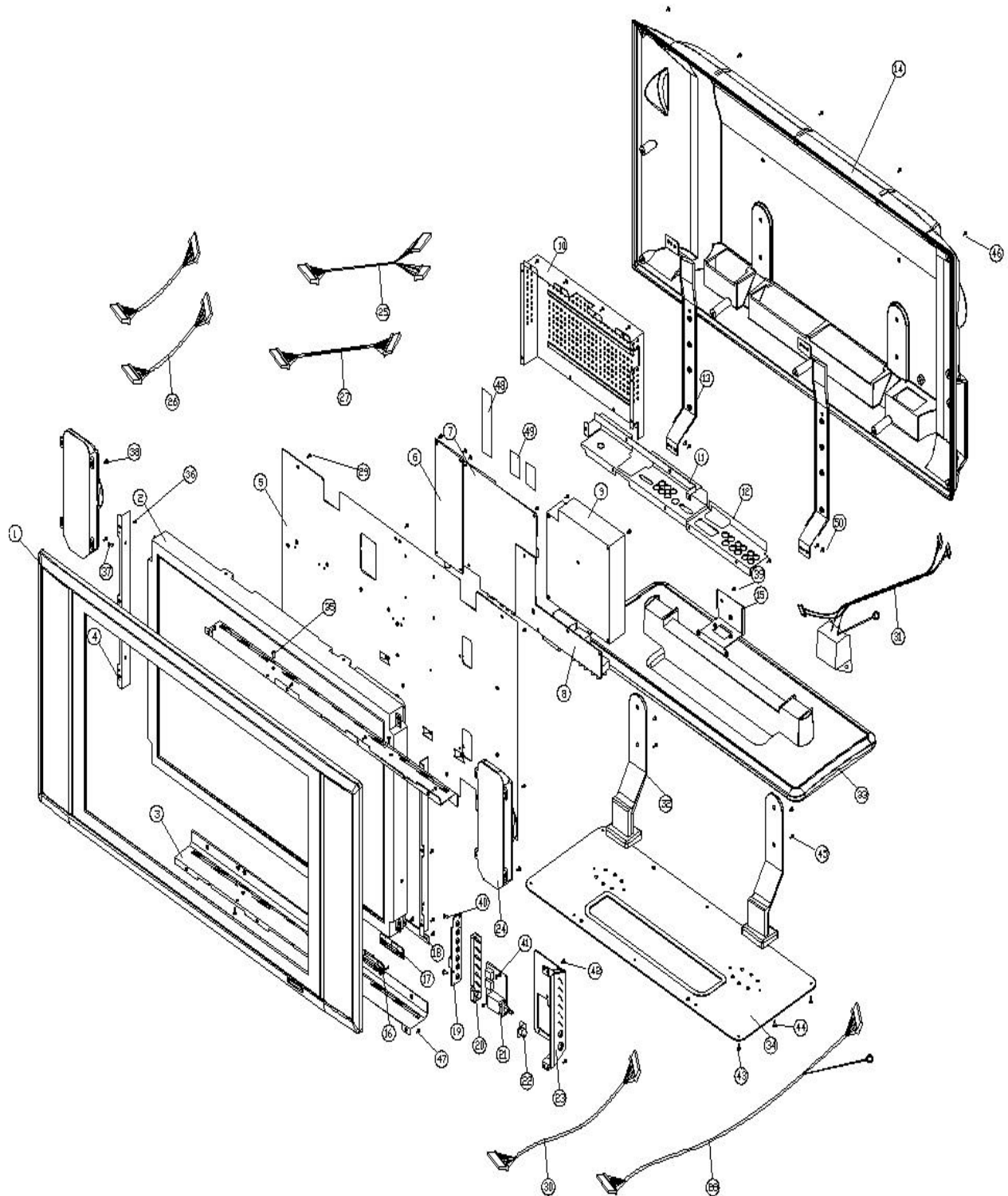
- (a) Do not connect,disconnect the module in the "Power On" condition.
- (b) Power supply should always be turned on/off by the item 6.3 "Power on/off sequence"
- (c) Module has high frequency circuits. Sufficient suppression to the electromagnetic interference shall be done by system manufacturers. Grounding and shielding methods may be important to minimize the interference.
- (d) The cable between the back-light connector and its inverter power supply shall be a minimized length and be connected directly . The longer cable between the back-light and the inverter may cause lower luminance of lamp(CCFT) and may require higher startup voltage(Vs).

1.4 Others

- (a) Ultra-violet ray filter is necessary for outdoor operation.
- (b) Avoid condensation of water. It may result in improper operation or disconnection of electrode.
- (c) Do not exceed the absolute maximum rating value. (the supply voltage variation, input voltage variation, variation in part contents and environmental temperature, and so on) Otherwise the module may be damaged.
- (e) If the module displays the same pattern continuously for a long period of time,it can be the situation when the image "Sticks" to the screen.
- (f) This module has its circuitry PCB's on the rear side and should be handled carefully in order not to be stressed.

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1. Exploded overview



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2.Replacement Parts List

Item	Code	Description
1	70AELM499	FRONT COVER
2	65-0044	LCD PANEL
3	71AELP341	FRAME_X
4	71AELP340	FRAME_Y
5	71AELP339	PCB_BRKT
6	S110233003	TUNER BOARD ASSY
7	S110431002	A/D BOARD ASSY
8	S110232003	I/O BOARD ASSY
9	60-0069	PMR-(2093DW/2093AC)
10	71FELP343	SHIELD_MAIN
11	71AELP271	SHIELD-A
12	71AELP266	SHIELD-B
13	71AELP342	FRAME_SUPPORT
14	70AELM493	BACK_COVER
15	71BELP273	BRKT IN-LET
16	70AELM505	LED_DECO_FRAME
17	70UEL506	LED_DECO_SENSOR
18	S110236011	IR&LED BOARD ASSY
19	S110237003	OSD BOARD ASSY
20	70AELM4311	FUNCTION KNOB
21	S110235003	POWER S/W ASSY
22	70AELM4341	POWER KNOB
23	70CELM4941	KNOB GUIDE
24	S110422002	SPEAKER ASSY
25	50-0167	LVDS WIRE 31P 150MM
26	50-0161	INVERTER WIRE 15P 170MM
27	50-0093	POWER WIRE 12P 120MM
28	50-0146	IR WIRE 6P 410MM
29	74A2BN4006FY	M/SCREW(BH M 4X6 ZN)
30	50-0140	OSD WIRE 8P 800MM
31	54-0011	NOISE FILTER
32	71ZELP275	STAND SUPPROT
33	70AELM507	STAND BASE
34	70AELP508	STAND PLATE
35	74A2BN4006FY	M/SCREW(BH M 4X6 ZN)
36	74C2BN4010FB	T/SCREW(BH TT 4X10 ZB)

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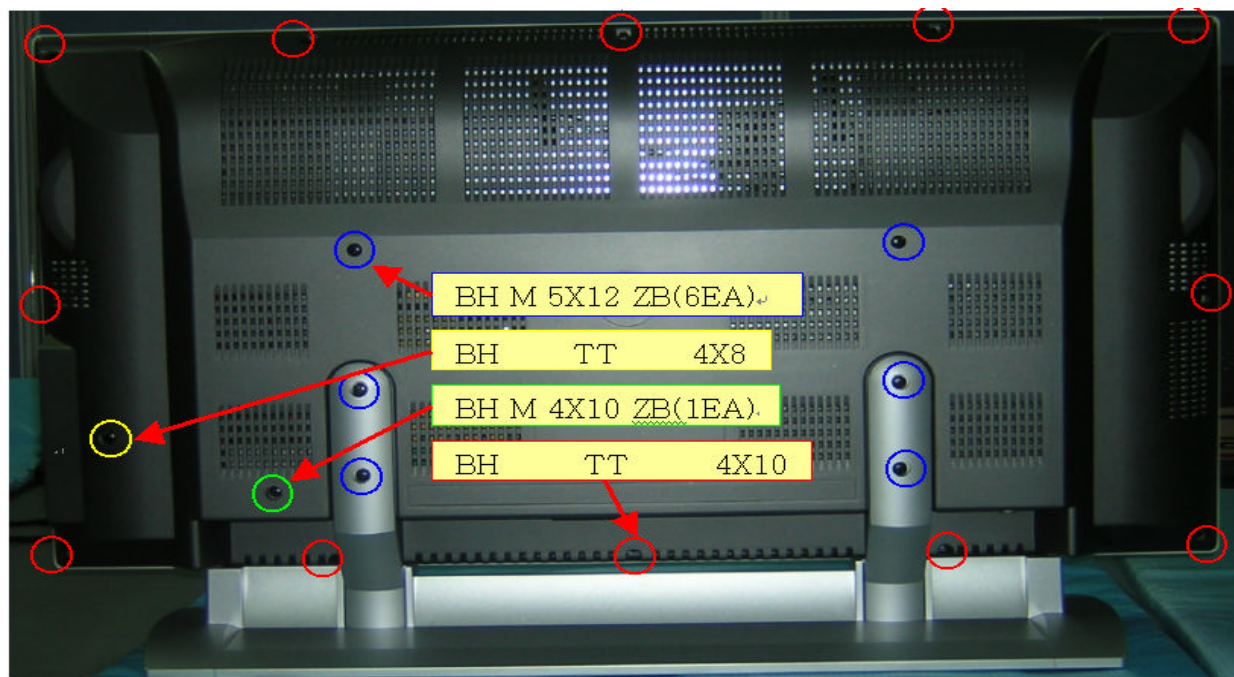
Item	Code	Description
37	74A2BN4006FY	M/SCREW(BH M 4X6 ZN)
38	74B2BN3010FB	T/SCREW(BH T 3X10 2S ZB)
39	74GELM014	GRAOUND SCREW(PH M 4X6 (SPECIAL)
40	74B2BN3008FB	T/SCREW(BH T 3X8 2S ZB)
41	74B2CN3006FB	T/SCREW(BH TT 3X6 2S ZB)
42	74B2BN3010FB	T/SCREW(BH T 3X10 2S ZB)
43	74C2FN3008FW	T/SCREW(FH TT 3X8 2S ZW)
44	74J2FN5010FW	M/SCREW(FH M 5X10 ZW/NYLON PATCH LOCK)
45	74A9BZ5012FB	M/SCREW(BH M 5X12 ZB)
46	74C2BN4010FB	T/SCREW(BH TT 4X10 ZB)
47	74C2BN4010FB	T/SCREW(BH TT 4X10 ZB)
48	50-0152	FFC 24P × 150MM
49	50-0100	24P × 50MM
50	74A2BN4006FY	M/SCREW(BH M 4X6 ZN)
37	74A2BN4006FY	M/SCREW(BH M 4X6 ZN)

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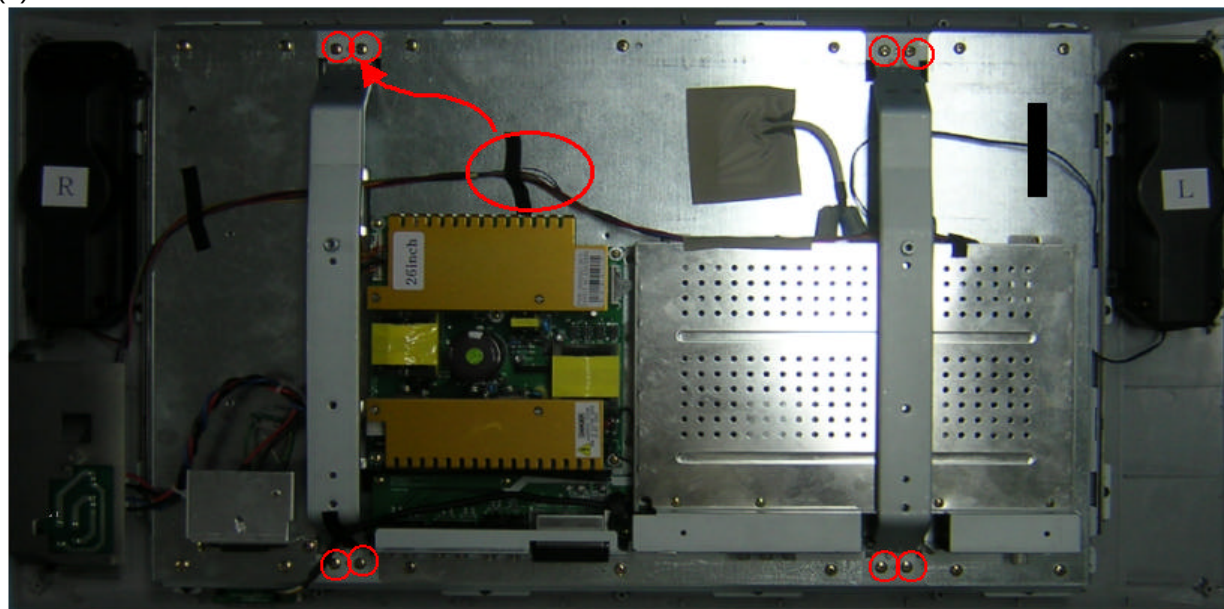
3.Disassembly Procedure

(1) BH M 5X12 ZB 6 STAND ASSY

(2) BH TT 4X8 , BH M 4X10 ZB , BH TT 4X10 BACK COVER



(3) BH M 4 X 6 ZN SCREW FRAME SUPPORT

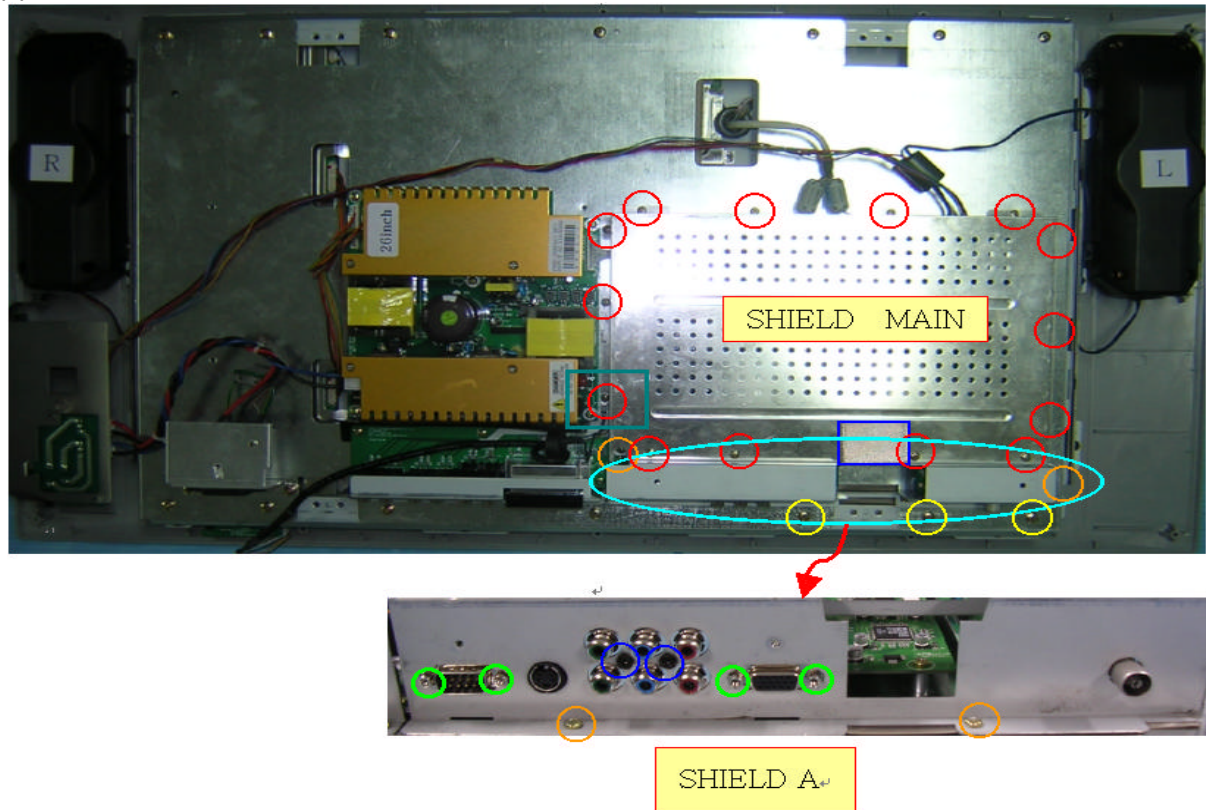


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(4) BH M 3 X 6 ZN SCREW

SHIELD MAIN

SHIELD-A



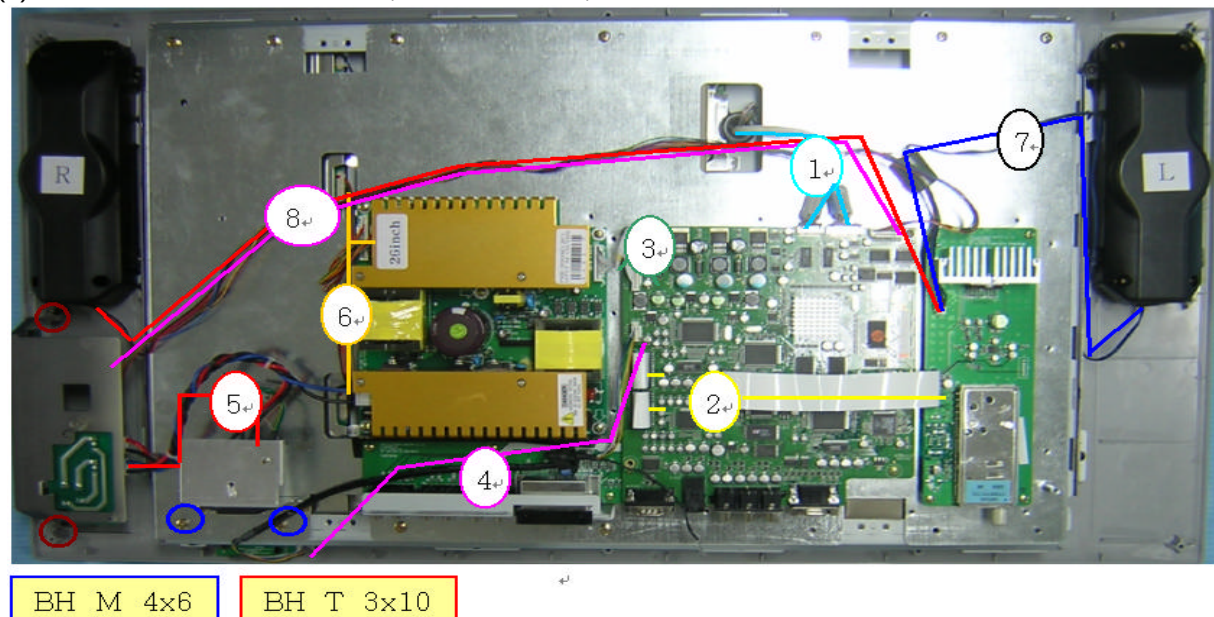
(5) 1-8 WIRE

(6) BH M 4 X 6 ZN SCREW

, AC INLET

, BH M 4X 6 SCREW

KNOB GUIDE

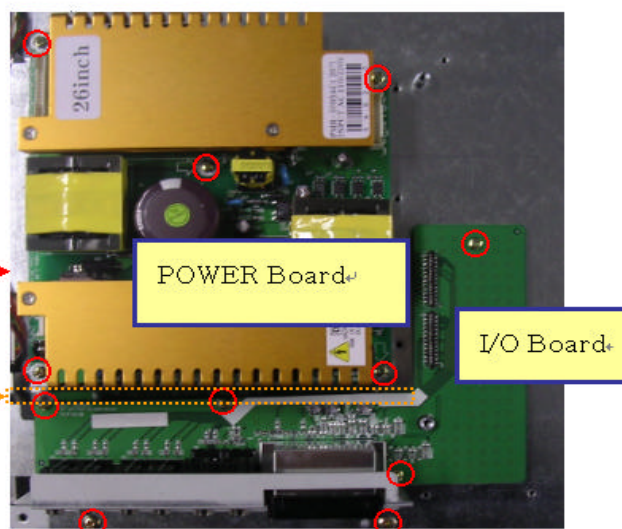
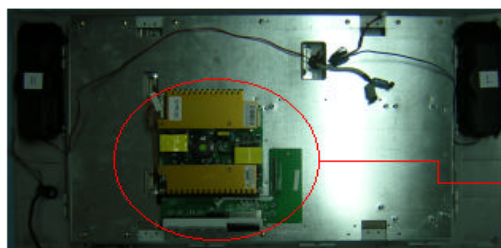
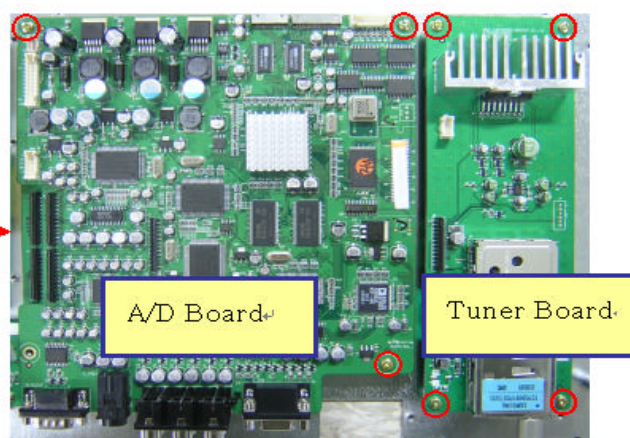
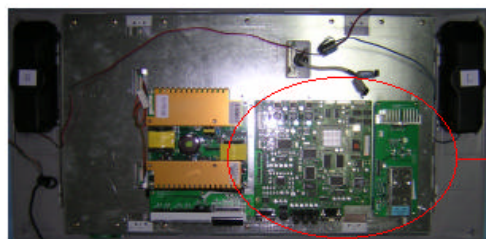


OSD ASS'Y, Bracket INLET 분리 및 Wire 분리

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(7) BH M 3 X 6

BOARD



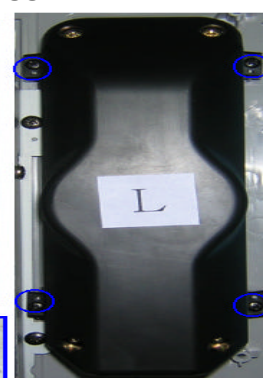
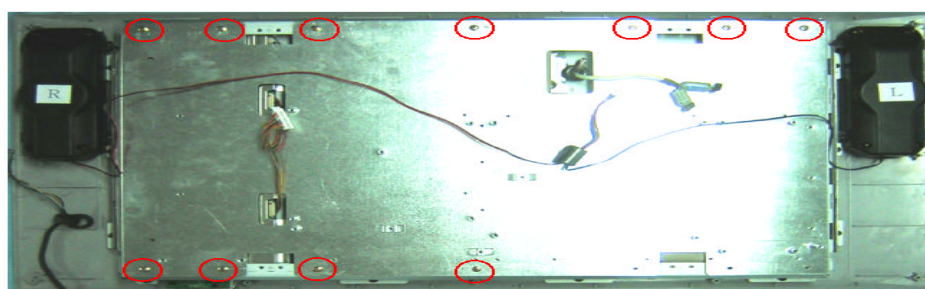
INSULATION

(8) BH M 4 X 6

PCB BRKT

, BH T 3X10 ZB

SPEAKER ASSY



Screw
BH M 4X6 ZN(11EA)



Screw
BH T 3*10 ZB(8EA)

PCB Bracket

SPEAKER ASSY

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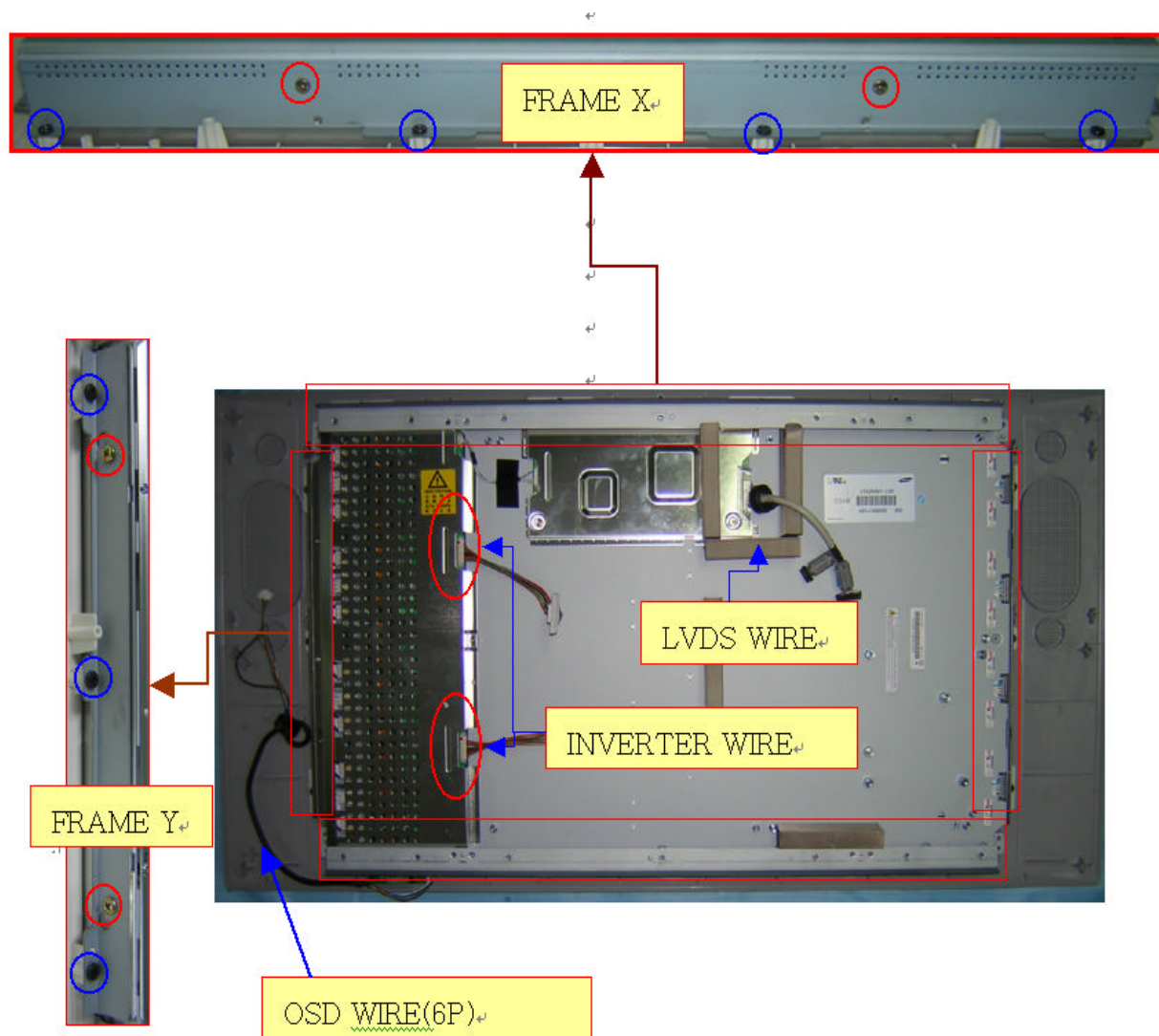
(8) BH T 4 X 10 ZB

FRONT

(9) BH M 4 X 6 ZN

FRAME X, FRAME Y

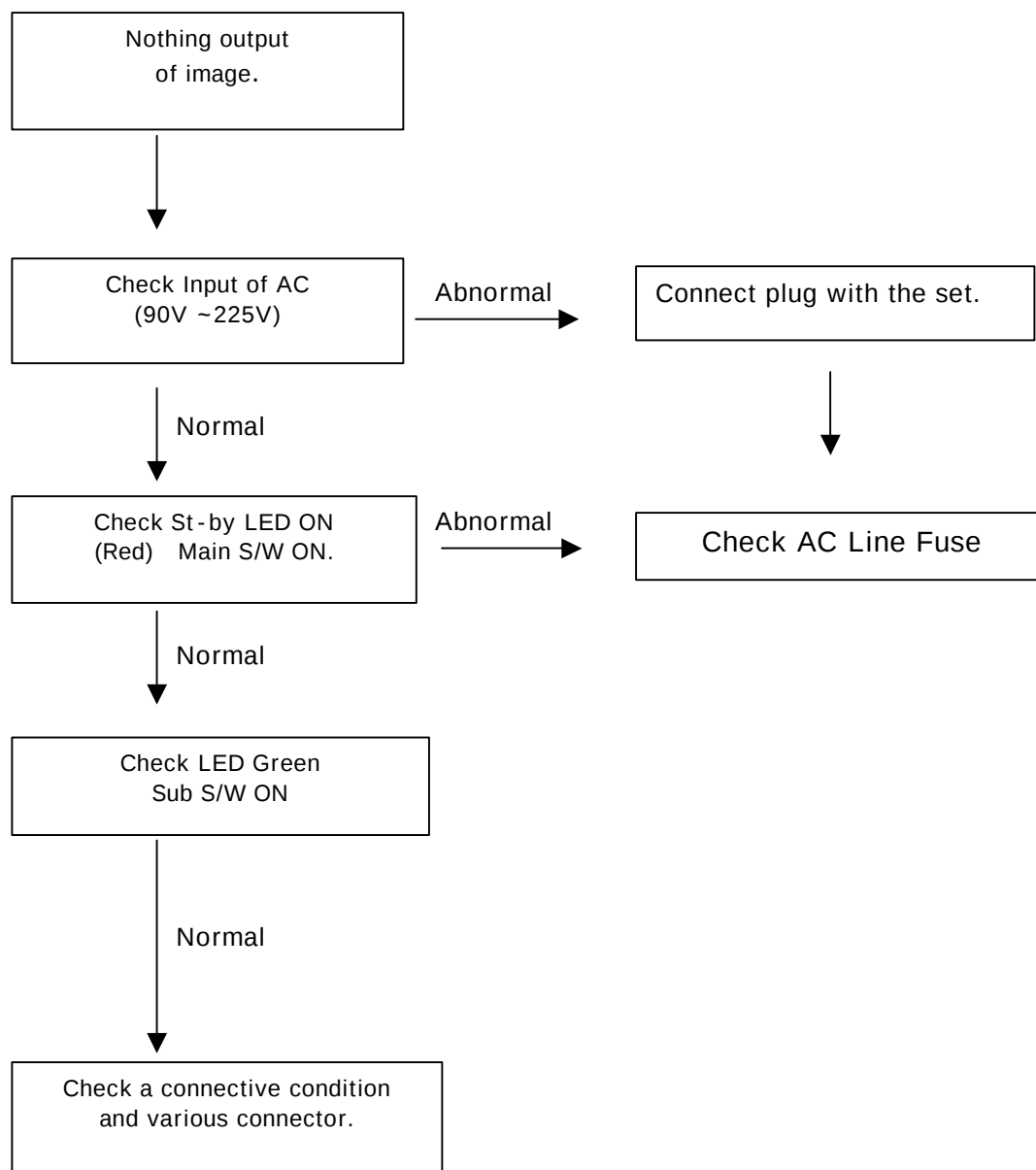
(10) WIRE



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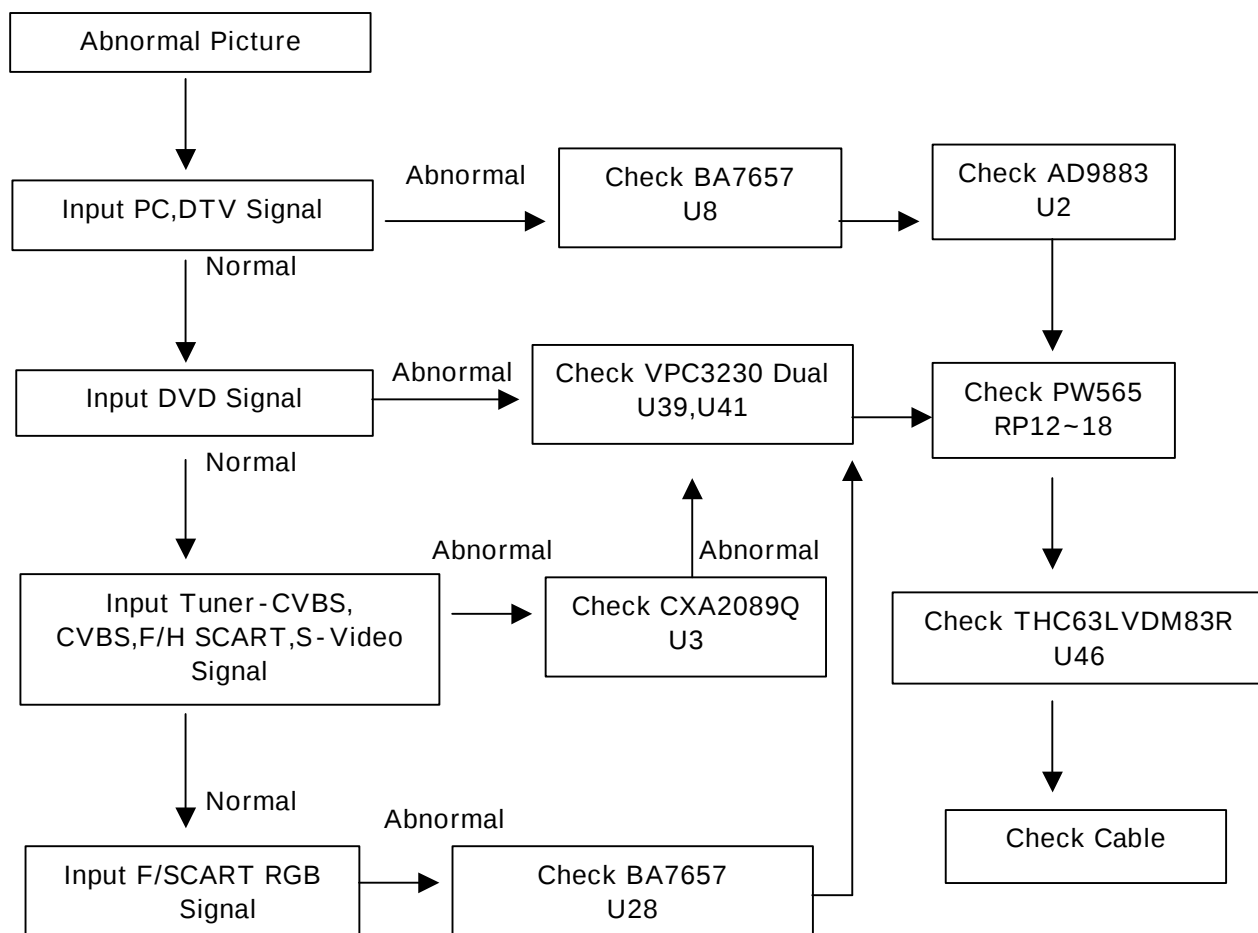
TROUBLE SHOOTING

1. No Power

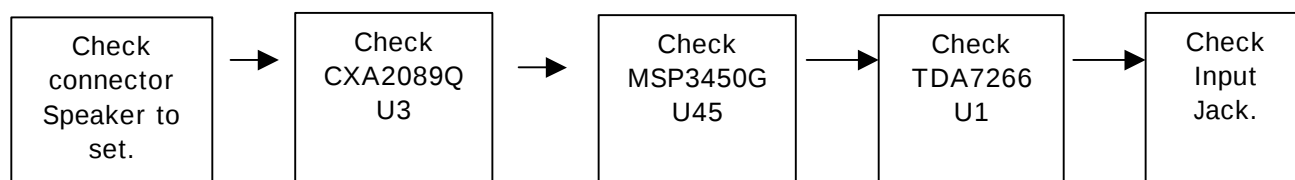


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2. No Video



3. No Sound



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DLP-2622 SERVICE MANUAL

E-RAE ELECTRONICS

REPLACEMENT PARTS LIST

CODE NO	DESCRIPTION	SPCIFICATION
E1104011ERA	LCD TV	DLP-2622(-SKD)
S11023A011	STAND ASSY	DLP-2622
S110232003	I/O BOARD ASSY	ELT-2600P, 3000P,3020P
S110233003	TUNER BOARD ASSY	ELT-2600P,3000P,3020P
S110235003	POWER S/W BOARD ASSY	ELT-2600P,3000P,3020P
S110236011	IR&LED BOARD ASSY	DLP-2622
S110237003	OSD BOARD ASSY	ELT-2600P,3000P,3020P
S110410011	MAIN ASSY	DLP-2622
S110411011	PACKING ASSY	DLP-2622
S110421002	PANEL ASSY	ELT-2600AP
S110422002	SPEAKER ASSY	ELT-2600AP
S110423011	ACCESSORY ASSY	DLP-2622
S110431002	A/D BOARD ASSY	ELT-2600AP
S110438002	WIRE ASSY	ELT-2600AP
S110410011	MAIN ASSY	DLP-2622
97EW13	FILAMENT TAPE	10X30
54-0011	SOCKET	ID-064C-S(NOISE FILTER)
60-0069	26" PSU	PMR-2093DW (DEAWOO ELECTRONICS 向)
AL-00001	CABLE TIE	DACT-100(140mm)
73ELE089	BACK COVER CAP	PVC 0.3T
70AELM493	BACK_COVER	ABS/26" TV
70AELM499	FRONT_COVER	ABS/DAEWOO/26"
70AELM505	LED_DECO_FRAME	ABS
70HELD075	DECO JACK	PVC 0.5T/30" TV-PAL/PC
70UELM506	LED_DECO_SENSOR	GPPS
71AELP266	SHIELD-B	EG1 1T/PAL用
71AELP271	SHIELD-A	EG1 1T/PAL用
71AELP339	PCB_BRKT	EG1 1t/26"
71AELP342	FRAME_SUPPORT	EG1 1.6t/26"
71BELP273	BRKT IN-LET	AL 1.5T
71FELP343	SHIELD_MAIN	SPTE 0.4T/26"
72SELM044	TAPE	/10X60
73DELI050	INSULATION	PC,0.45t 160X36X16
74GELM014	GRAOUND SCREW	PH M 4X6 (SPECIAL)
70AELM4311	FUNCTION KNOB	ABS/DW/SV2202BP

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E-RAE ELECTRONICS

70AELM4341	POWER KNOB	ABS/DW/SV2202BP
70CELM4941	KNOB GUIDE	HIPS/26"/DAEWOO
74A2BN3006FN	M/SCREW	BH M 3X6 ZN
74A2BN4006FY	M/SCREW	BH M 4X6 ZN
74A2BN4010FB	M/SCREW	BH M 4X10 ZB
74A2FN3008FB	M/SCREW	FH M 3X8 ZB
74A9BZ5012FB	M/SCREW	BH M 5X12 ZB
74B2BN3008FB	T/SCREW	BH T 3X8 2S ZB
74B2BN3010FB	T/SCREW	BH T 3X10 2S ZB
74B2CN3006FB	T/SCREW	BH TT 3X6 2S ZB
74C2BN4010FB	T/SCREW	BH TT 4X10 ZB
S110438002	WIRE ASSY	ELT-2600AP
50-0093	WIRE ASSY	POWER WIRE 12P 120MM REV.00
50-0100	WIRE ASSY	24PX50MM REV.00
50-0140	WIRE ASSY	OSD WIRE 8P 800MM(ELT-2600AP)
50-0146	WIRE ASSY	IR WIRE 6P 410MM(ELT-2600AP)
50-0152	WIRE ASSY	FFC 24PX150mm
50-0145	WIRE ASSY	INVERTER WIRE 15P 150MM Rev.01 (ELT-2600AP)
50-0141	WIRE ASSY	AC POWER WIRE 2P 220MM (ELT-2600AP)
50-0138	WIRE ASSY	LVDS WIRE 31P 150MM (ELT-2600AP)
S110421002	PANEL ASSY	ELT-2600AP
65-0044	LCD PANEL	LTA260W1-L02
71AELP340	FRAME_Y	EGI 1t/26"
71AELP341	FRAME_X	EGI 1t/26"
74A2BN4006FY	M/SCREW	BH M 4X6 ZN
S11023A011	STAND ASSY	DLP-2622
70AELM507	STAND BASE	HIPS/SILVER/30" DAEWOO
70AELP508	STAND PLATE	EGI 2T/DAEWOO
71ZELP275	STAND SUPPROT	ZNDC,SPRAY
72AELR131	RUBBER FOOT	RUBBER (2TX50X15)
74C2FN3008FW	T/SCREW	FH TT 3X8 2S ZW
74J2FN5010FW	M/SCREW	FH M 5X10 ZW/NYLON PATCH LOCK
S110422002	SPEAKER ASSY	ELT-2600AP
60-0060	SPEAKER ASSY	ELT-2600AP
S110431002	A/D BOARD ASSY	ELT-2600AP
S110441002	A/D BOARD ASSY(TOP SMD)	ELT-2600AP

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E-RAE ELECTRONICS

S110451002	A/D BOARD ASSY(BOTTOM SMD)	ELT - 2600AP
04-0050	DIODE SCHOTTKY	1N5822 TP
11-0117	EC	SHL 25V 680UF (10X16)
12-0004	PC	10PS 470MJ 12 (10X12.5)
19-0007	X-TAL	6.000MHZ
19-0009	X-TAL	20.000MHZ
19-0011	X-TAL	18.432000MHz 18PF
19-0010	X-TAL	20.250000MHz 18PF
22-0002	S/W TACT	KLT-1105(4.3MM)
30-0001	OSCILLATOR	80MHz(3.3V)
52-0002	CONNECTOR	DHR20-15K-7100 (15PIN D-SUB R/A)
52-0124	CONNECTOR	MYD-09-2100010(9PIN D-SUB R/A)
52-0217	WAFER	SMW200-06
52-0218	WAFER	SMW200-08
52-0239	WAFER	SMW200-12
52-0269	WAFER	53014-0310
53-0059	JACK	PJ6046B-04(S-VIDEO)
53-0060	JACK	PPJ122A-11
71BELP315	HEAT SHINK	AL 28X28X13
S110441002	A/D BOARD ASSY(TOP SMD)	ELT - 2600AP
01-0019	IC REG	LM2937IMP-3.3 SOT-223
01-0020	IC REG	LM317EMP SOT-223
01-0034	IC	THC63LVDM83R TSOP-56
01-0040	IC EEPROM	24LC16B SOP-08
01-0041	IC EEPROM	24LC21A SOP-08
01-0053	IC TTL	74LCX14M SOP-14
01-0055	IC TTL	SN74LV273A SOP-20
01-0057	IC TTL	SN74LVC541A SOP-20
01-0059	IC REG	RC1117S33 SOT-223
01-0071	IC REG	KIA7809AF D-PAK
01-0073	IC	K4S643232E TSSOP(II)
01-0088	IC REG	KIA7805AF D-PAK
01-0089	IC REG	KIA7808AF D-PAK
01-0108	IC	DS232AS SO-16
01-0225	IC MCU	HMS87C1102AD SOP-16
01-0233	IC REG	AP1501-50
01-0253	IC	VPC3230D-C5 PQFP-80
01-0259	IC	FDC6561AN-Super SOT-6
01-0260	IC	MSP3450G PQFT-80
01-0261	IC	SST39VF080AT-TSOP40
01-0262	IC	SDA5550 M 3901.A14 9RF
01-0263	IC	HY62U8200BLLST-85I STSOP

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E-RAE ELECTRONICS

01-0264	IC	CXA2089Q
01-0266	IC	BA7657-SOP24
01-0273	IC REG	NCP1117ST18T30
01-0278	IC	AD9883AKST-140
01-0282	IC	24LC256-SOIC8
01-0283	IC	AP1084K18-TO263
01-0284	IC	PW565_10Q_BGA
01-0285	IC	MT28F800B3WG-9T
01-0286	IC	SN74LVC139AD-SOIC16
01-0288	IC	TLC7733QD SOIC-08
01-0294	IC	G960T65(3.3V)
01-0307	IC	MM74LVX74M
02-0012	TR	MMBT3904 SOT-23
02-0038	TR	KSC1623Y
03-0001	FET	IRF7314 SOP-08
04-0005	DIODE	BAV99 SOT-23
04-0030	DIODE ZENER	Z02W3.3 SOT-23
04-0054	DIODE	KDS184
04-0058	DIODE ZENER	Z02W18V-Y
10-0009	CC CHIP	25V 330J 1608 TP
10-0016	CC CHIP	16V 224Z 1608 TP
10-0017	CC CHIP	16V 474Z 1608 TP
10-0021	CC CHIP	25V 102K 1608 TP
10-0023	CC CHIP	25V 104Z 1608 TP
10-0028	CC CHIP	25V 393K 1608 TP
10-0029	CC CHIP	25V 473K 1608 TP
10-0053	CC CHIP	25V 392K 1608 TP
10-0057	CC CHIP	10V 684Z 1608 TP
10-0058	CC CHIP	25V 200J 1608 TP
10-0059	CC CHIP	25V 471J 1608 TP
10-0060	CC CHIP	25V 334Z 1608 TP
10-0180	CC CHIP	25V 682K 1608 TP
10-0024	CC CHIP	25V 180J 1608 TP
11-0044	EC SMD	MV 16V 22UF (5X5.3) TP
11-0045	EC SMD	MV 16V 10UF (4X5.3) TP
11-0046	EC SMD	MV 16V 220UF (8X10.3) TP
11-0048	EC SMD	MV 16V 100UF (6.3X5.3) TP
11-0049	EC SMD	MV 16V 47UF (6.3X5.3) TP
11-0051	EC SMD	MV 50V 3.3UF (4X5.3)TP
11-0055	EC SMD	MV 50V 1UF (4X5.3) TP
11-0123	EC SMD	MV 16V 33UF(6.3X5)TP
11-0146	EC SMD	MV 16V 330UF (8X10)TP
14-0001	R ARRAY	164P 000J TP

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E-RAE ELECTRONICS

14-0003	R ARRAY	164P 470J TP
14-0007	R CHIP	1608 000J TP
14-0008	R CHIP	1608 101F TP
14-0010	R CHIP	1608 102F TP
14-0012	R CHIP	1608 103F TP
14-0043	R CHIP	1608 332F TP
14-0050	R CHIP	1608 470F TP
14-0052	R CHIP	1608 472F TP
14-0069	R CHIP	1608 750F TP
14-0175	R CHIP	1608 820J TP
14-0179	R CHIP	1608 152F TP
14-0268	R CHIP	1608 122J TP
14-0278	R CHIP	1608 241J TP
14-0462	R ARRAY	164P 750J TP
14-0479	R CHIP	1608 105F TP
16-0015	COIL	3.3UH (3216) 50MA
16-0016	COIL	10UH (10X10 SMD)1.15A
16-0017	COIL	33UH (12X12 SMD) 2.8A
17-0003	BEAD	HB-1M2012-221JT
17-0004	BEAD	HH-1M3216-121JT
17-0023	BEAD	HCB 4516K-600T60
17-0037	BEAD	HH-1M1608-600JT
20-0001	FILTER NOISE	STS104B 2012.5 TP
31-0197	PCB	E81-U004-00-PB00 REV.03
52-0254	WAFER	GT121-21P-LD
52-0266	WAFER	10022HS-24A00
52-0271	WAFER	GT121-31P-LD
74GELC0016		4.8mm(M3)
74GELC0017		5.8mm(M3)
S110451002	A/D BOARD ASSY(BOTTOM SMD)	ELT-2600AP
01-0068	IC	QS3257 SOP-16
02-0012	TR	MMBT3904 SOT-23
02-0025	TR	KTC3875Y SOT-23
04-0127	DIODE	1SR154-400
10-0004	CC CHIP	25V 101J 1608 TP
10-0016	CC CHIP	16V 224Z 1608 TP
10-0021	CC CHIP	25V 102K 1608 TP
10-0022	CC CHIP	25V 103Z 1608 TP
10-0023	CC CHIP	25V 104Z 1608 TP
10-0024	CC CHIP	25V 180J 1608 TP
10-0029	CC CHIP	25V 473K 1608 TP
10-0049	CC CHIP	25V 560J 1608 TP

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10-0050	CC CHIP	25V 391J 1608 TP
10-0055	CC CHIP	25V 152K 1608 TP
10-0059	CC CHIP	25V 471J 1608 TP
10-0063	CC CHIP	25V 221J 1608 TP
10-0189	CC CHIP	25V 105Z 1608 TP
14-0007	R CHIP	1608 000J TP
14-0008	R CHIP	1608 101F TP
14-0010	R CHIP	1608 102F TP
14-0012	R CHIP	1608 103F TP
14-0022	R CHIP	1608 153F TP
14-0029	R CHIP	1608 201F TP
14-0030	R CHIP	1608 202F TP
14-0034	R CHIP	1608 223F TP
14-0037	R CHIP	1608 271J TP
14-0043	R CHIP	1608 332F TP
14-0050	R CHIP	1608 470F TP
14-0052	R CHIP	1608 472F TP
14-0055	R CHIP	1608 473J TP
14-0067	R CHIP	1608 681F TP
14-0069	R CHIP	1608 750F TP
14-0107	R CHIP	1608 471F TP
14-0169	R CHIP	1608 131F TP
14-0175	R CHIP	1608 820J TP
14-0178	R CHIP	1608 220F TP
14-0179	R CHIP	1608 152F TP
14-0205	R CHIP	1608 683J TP
14-0268	R CHIP	1608 122J TP
14-0321	R CHIP	1608 391F TP
14-0470	R CHIP	1608 132F TP
14-0476	R CHIP	1608 474F TP
14-0477	R CHIP	1608 181F TP
14-0507	R CHIP	1608 362F TP
17-0023	BEAD	HCB 4516K-600T60
20-0001	FILTER NOISE	STS104B 2012.5 TP
S110232003	I/O BOARD ASSY	ELT-2600P, 3000P,3020P
S110242003	I/O BOARD ASSY(SMD)	ELT-3000P
53-0061	JACK	42PS(SCART)
53-0062	JACK	PPJ121A-03(AUDIO)
53-0063	JACK	UJB-06-15F(3P)
S110242003	I/O BOARD ASSY(SMD)	ELT-3000P
04-0128	DIODE	KDZ8.2EV-RTK

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E-RAE ELECTRONICS

10-0004	CC CHIP	25V 101J 1608 TP
10-0021	CC CHIP	25V 102K 1608 TP
10-0022	CC CHIP	25V 103Z 1608 TP
10-0023	CC CHIP	25V 104Z 1608 TP
10-0054	CC CHIP	25V 331J 1608 TP
11-0045	EC SMD	MV 16V 10UF (4X5.3) TP
14-0008	R CHIP	1608 101F TP
14-0010	R CHIP	1608 102F TP
14-0012	R CHIP	1608 103F TP
14-0052	R CHIP	1608 472F TP
14-0055	R CHIP	1608 473J TP
14-0069	R CHIP	1608 750F TP
16-0015	COIL	3.3UH (3216) 50MA
17-0034	BEAD	BLM11A601S
31-0204	PCB	E81-U004-20-PB00 REV.01
52-0266	WAFER	10022HS-24A00
S110237003	OSD BOARD ASSY	ELT-2600P,3000P,3020P
22-0002	S/W TACT	KLT-1105(4.3MM)
31-0160	PCB	E81-U004-02-PB00 REV.00
52-0218	WAFER	SMW200-08
S110233003	TUNER BOARD ASSY	ELT-2600P,3000P,3020P
S110246003	TUNER BOARD ASSY(SMD)	ELT-3000P
01-0098	IC	TDA7266 MULTI-WATT15V
52-0213	WAFER	SMW200-04
52-0217	WAFER	SMW200-06
66-0020	TUNER	TCPQ9091PD27D(S)
71MELP230	HEAT SINK	AL
74A9BZ3008FW	M/SCREW	BH M 3X8 ZW
S110246003	TUNER BOARD ASSY(SMD)	ELT-3000P
01-0234	IC	TS482 IDT SO-8
01-0267	IC	BA6161F-SOP8
02-0012	TR	MMBT3904 SOT-23
04-0005	DIODE	BAV99 SOT-23
04-0125	DIODE	MMBD4148 SOT-23
04-0126	DIODE	RB160L-60(SOD-106)
10-0016	CC CHIP	16V 224Z 1608 TP
10-0023	CC CHIP	25V 104Z 1608 TP
10-0055	CC CHIP	25V 152K 1608 TP
11-0044	EC SMD	MV 16V 22UF (5X5.3) TP
11-0045	EC SMD	MV 16V 10UF (4X5.3) TP

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E-RAE ELECTRONICS

11-0048	EC SMD	MV 16V 100UF (6.3X5.3) TP
11-0049	EC SMD	MV 16V 47UF (6.3X5.3) TP
11-0050	EC SMD	MV 50V 4.7UF (4X5.3)TP
11-0055	EC SMD	MV 50V 1UF (4X5.3) TP
11-0122	EC SMD	MV 50V 100UF(8X10)TP
11-0123	EC SMD	MV 16V 33UF(6.3X5)TP
11-0143	EC SMD	MV 25V 470UF(10X10) TP
14-0007	R CHIP	1608 000J TP
14-0008	R CHIP	1608 101F TP
14-0010	R CHIP	1608 102F TP
14-0012	R CHIP	1608 103F TP
14-0039	R CHIP	1608 273F TP
14-0058	R CHIP	1608 511F TP
14-0268	R CHIP	1608 122J TP
14-0309	R CHIP	1608 104F TP
14-0319	R CHIP	1608 363F TP
14-0322	R CHIP	1608 392F TP
14-0467	R CHIP	1608 4R7F TP
16-0052	COIL	4.7mH 3DM TYPE
17-0023	BEAD	HCB 4516K-600T60
31-0173	PCB	E81-U004-11-PB00 REV.02
52-0266	WAFER	10022HS-24A00
S110236011	IR&LED BOARD ASSY	DLP-2622
04-0129	LED	SRM3671
10-0013	CC	50V 104K
14-0204	R CFR	1/8W 330 J TP
14-0250	R MOF	1/8W 2.7K F TP
31-0215	PCB	E81-U010-22-PB00 REV.00 (26" DEAWOO ELECTRONICS 向)
33-0002	IR RECE IVER	KSM-603TM2
52-0265	WAFER	SMAW200-06
AL-00021		6mm,Φ3
70AELM510	LED SPACER (D)	H:3MM
S110235003	POWER S/W BOARD ASSY	ELT-2600P,3000P,3020P
22-0013	S/W AC POWER	SDDFC30300
31-0220	PCB	E81-U004-08-PB00 REV.03 (POWER S/W)
52-0268	WAFER	YAW396-03
S110411011	PACKING ASSY	DLP-2622
AL-00016	SILICA-gel	200g(42", 60"PDP)
71BELD173	BRAND DW2	AL/DAEWOO/DLP-2622
73AELB256	PALLET-30"	1100X1100X150/Carrefour-30"

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E-RAE ELECTRONICS

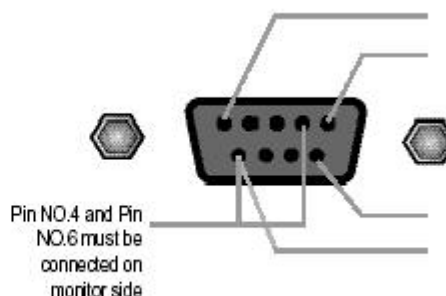
86AELB263	BOX - BOTTOM	DW - 3
93BELB266	PAD - L	EPE/26"
93BELB267	PAD - R	EPE/26"
86AELB2624	BOX - TOP	DW - 3/DAEWOO/DLT - 2622
92CELB1021	PE BAG	PE/1X1200X900()/EPM-420/set 用
92FELV0351	AIR POLY BAG	145X200/SKD
S110423011	ACCESSORY ASSY	DLP - 2622
27 - 0004	BATTERY	AAA Type()
55 - 0023	CABLE	Scart Cable 1.2M
55 - 0027	CABLE	RF - CABLE(2 CORE/6φ)1P/2100MM
57 - 0038	P - CORD	250V/10A BLK 1.8M 3 G TYPE
60 - 0067	REMOCON	KRC - 6140CR (DAEWOO ELECTRONICS 向)
88AELB338	WARRANTY CARD	ART /DAEWOO/UK /DESUK
92AELV0012	POLY BAG - M	LDPE 0.08TX300X320()/REV.01(가)
90 2622D - L02P - EXP - 00	MANUAL	ART /26"/ / /DLP - 2622

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RS-232C Communication

1) Type of connector : D-Sub 9-pin male

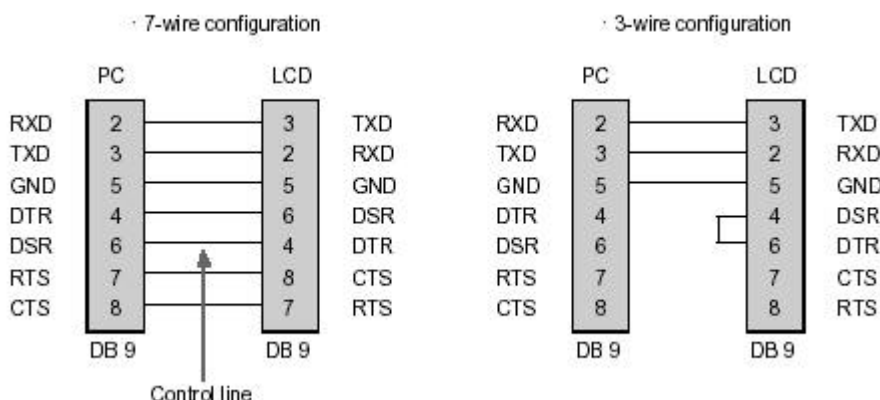
No.	Pin name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (Dce side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection



. Use a crossed(reverse)cable.

Wire the cable so that each pair of data lines cross between the two devices. These data Line pairs are RXD(Receive to send) and TXD(Transmit data), DTR (DTE side ready) and DSR(DCE side ready), and RTS(Ready to send)and CTS(Clear to send).

2) RS-232C configurations



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3) Commuication Parameters

- BAUD RATE : 9600bps
- Data Length : 8bits
- Parity : None
- Stop bit : 1bit

4) Command List

Item	ASCII Code	Data(hex)
1. Power	p	00h~01h
2. Input Source	i	00h~07h
3. Aspect Ratio	r	00h~08h
4. Volume Mute	w	00h~01h
5. Volume Control	v	00h~64h
6. Picture Mode	s	00h~04h
7. Brightness	b	00h~64h
8. Contrast	k	00h~64h
9. Colour	c	00h~64h
10. Tint	t	00h~64h

Item	ASCII Code	Data(hex)
11. Sharpness	h	00h~64h
12. Information	f	00h~01h
13. Pip On	o	00h~01h
14. Pip Source	u	00h~07h
15. Pip Location	n	00h~03h
16. Pip Sound set	e	00h~01h
17. Pip Mode	d	00h~02h
18. Remote Control On	j	00h~01h
19. Prog -,+	a	00h~01h
20. Abnormal State	q	00h~01h
21. Sound Mode	y	00h~04h

5) Transmission / Receiving Protocol List

* Transmission

{Command}	{SET ID}{Data}{Cr}
{Commad}	To Control Code LCD TV
{ }	"Space , ASCII Code = 0x20"
{SET ID}	You Can Adjust SET ID Setup Menu of LCD TV
{Data}	Data Command
	Transmit 'FF' data to data read mode
{Cr}	Carriage Return ASCII Code 0x0d

* Ok Acknowledge

{SET ID}{OK}{x}{Data}{x}

The LCD TV set transmits ASCII based on this format When receiving normal data. At this time, If the data is data read mode, it indicates present status data if the data is data write mode, it returns the data of PC.

* In case set ID is 0, Ack data doesn't feed back, and you can adjust all LCD set.

6) Commands

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1. Power : p

► To Control Power On/Off of the LCD TV

* Transmission

{p}{SET ID}{Data}{Cr}

Data 0 : Off

Data 1 : On

* Ack

{SET ID}{OK}{x}{Data}{x}

Data 0 : Off

Data 1 : On

► Read Power On Source Status

* Transmission

{p}{SET ID}{FF}{Cr}

* Ack

{SET ID}{OK}{x}{Data}{x}

Data 0 : Power Off

Data 1 : Power On TV

Data 2 : Power On Scart1

Data 3 : Power On Scart2

Data 4 : Power On Composite

Data 5 : Power On S-Video

Data 6 : Power On Component1

Data 7 : Power On Component2

Data 8 : Power On PC(RGB)

※ If Other Functions Transmit 0xFF data based on this format, Ack data feeds back present status about each function.

2. Input Source : i

► To Input Source Select

* Transmission

{i}{SET ID}{Data}{Cr}

Data 0 : TV

Data 1 : Scart1

Data 2 : Scart2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component1

Data 6 : Component2

Data 7 : PC(RGB)

* Ack

{SET ID}{OK}{x}{Data}{x}

Data 0 : TV

Data 1 : Scart1

Data 2 : Scart2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component1

Data 6 : Component2

Data 7 : PC(RGB)

3. Aspect Ratio : r

► To adjust picture format

* Transmission

{r}{SET ID}{Data}{Cr}

Data 0 : Auto Wide

Data 1 : Wide

Data 2 : Panorama

Data 3 : Zoom1

Data 4 : Zoom2

Data 5 : 4:3

Data 6 : 14:9

Data 7 : 4:3(In PC Mode)

Data 8 : Wide(In PC Mode)

* Ack

{SET ID}{OK}{x}{Data}{x}

Data 0 : Auto Wide

Data 1 : Wide

Data 2 : Panorama

Data 3 : Zoom1

Data 4 : Zoom2

Data 5 : 4:3

Data 6 : 14:9

Data 7 : 4:3(In PC Mode)

Data 8 : Wide(In PC Mode)

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4. Volume Mute : w

► To Select volume mute on/off

* Transmission

{w}{SET ID}{Data}{Cr}

Data 0 : On

Data 1 : Off

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : On

Data 1 : Off

5. Volume Control : v

► To adjust volume

* Transmission

{v}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

6. Picture Mode : s

► To Select Picture Mode

* Transmission

{s}{SET ID}{Data}{Cr}

Data 0 : Custom

Data 1 : Dynamic (In PC Mode : High)

Data 2 : Standard (In PC Mode : Middle)

Data 3 : Movie (In PC Mode : Low)

Data 4 : Mild

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : Custom

Data 1 : Dynamic (In PC Mode : High)

Data 2 : Standard (In PC Mode : Middle)

Data 3 : Movie (In PC Mode : Low)

Data 4 : Mild

7. Brightness : b

► To adjust Brightness

* Transmission

{b}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

8. Contrast : k

► To adjust Contrast

* Transmission

{k}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

9. Colour : c

► To adjust Colour (Not available in PC Mode)

* Transmission

{c}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

10. Tint : t

► To adjust Tint (Not available in PC Mode)

* Transmission

{t}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

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11. Sharpness : h

► To adjust Sharpness

* Transmission

{h}{SET ID}{Data}{Cr}

Data : Min : 00h-Max : 64h

* Ack

{SET ID}{OK}{Data}{x}

Data : Min : 00h-Max : 64h

12. Information : f

► Information on/off

* Transmission

{f}{SET ID}{Data}{Cr}

Data 0 : On

Data 1 : Off

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : On

Data 1 : Off

13. Pip On : o

► Pip on/off

* Transmission

{o}{SET ID}{Data}{Cr}

Data 0 : On

Data 1 : Off

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : On

Data 1 : Off

14. Pip Source: u

► To Select Pip Source [Not available]

(only adjustable when pip mode is activated.)

* Transmission

{u}{SET ID}{Data}{Cr}

Data 0 : TV

Data 1 : Scart1

Data 2 : Scart2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component1

Data 6 : Component2

Data 7 : PC(RGB)

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : TV

Data 1 : Scart1

Data 2 : Scart2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component1

Data 6 : Component2

Data 7 : PC(RGB)

15. Pip Location : n

► To Select Pip Position

(only adjustable when pip mode is activated.)

* Transmission

{n}{SET ID}{Data}{Cr}

Data 0 : Right Bottom

Data 1 : Right Top

Data 2 : Left Top

Data 3 : Left Bottom

* Ack

{SET ID}{OK}{Data}{x}

Data 0 : Right Bottom

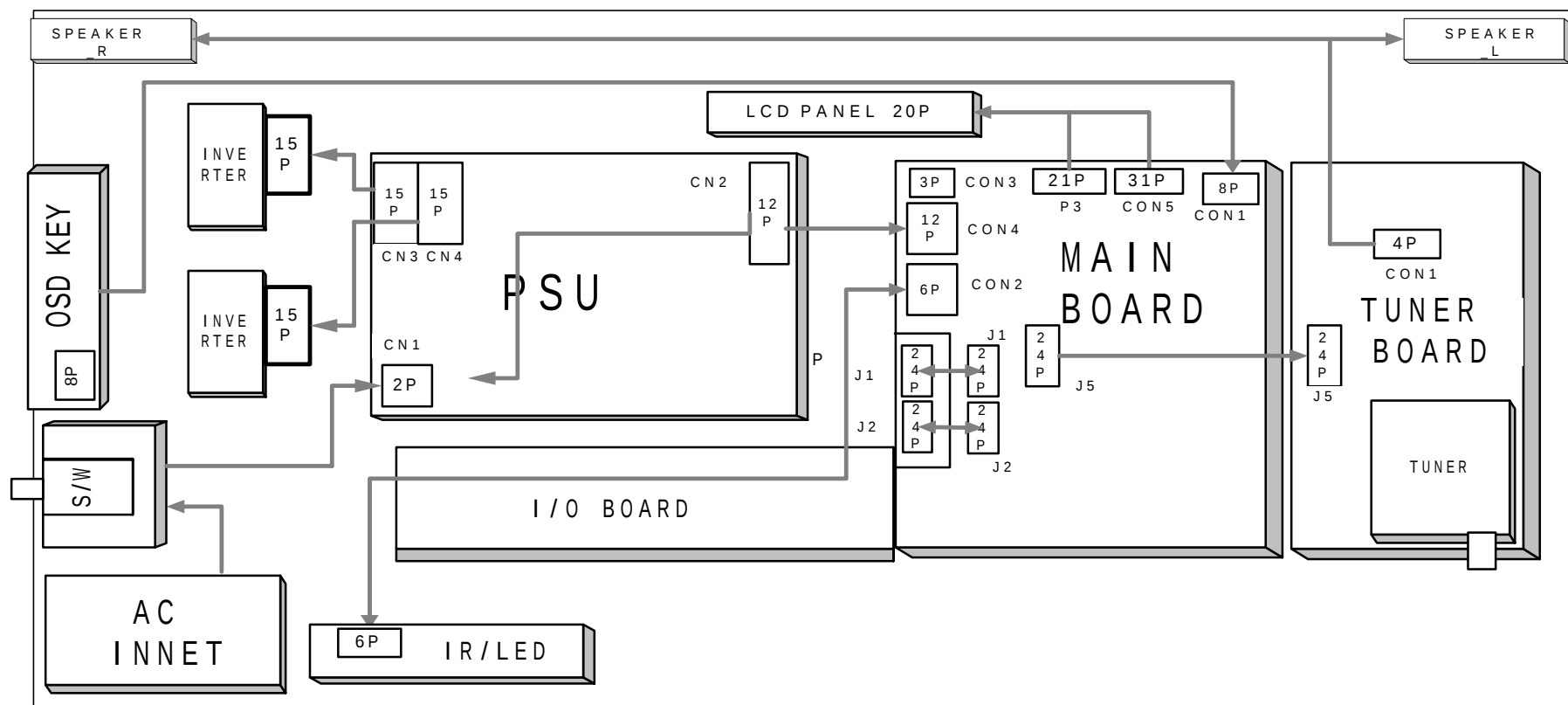
Data 1 : Right Top

Data 2 : Left Top

Data 3 : Left Bottom

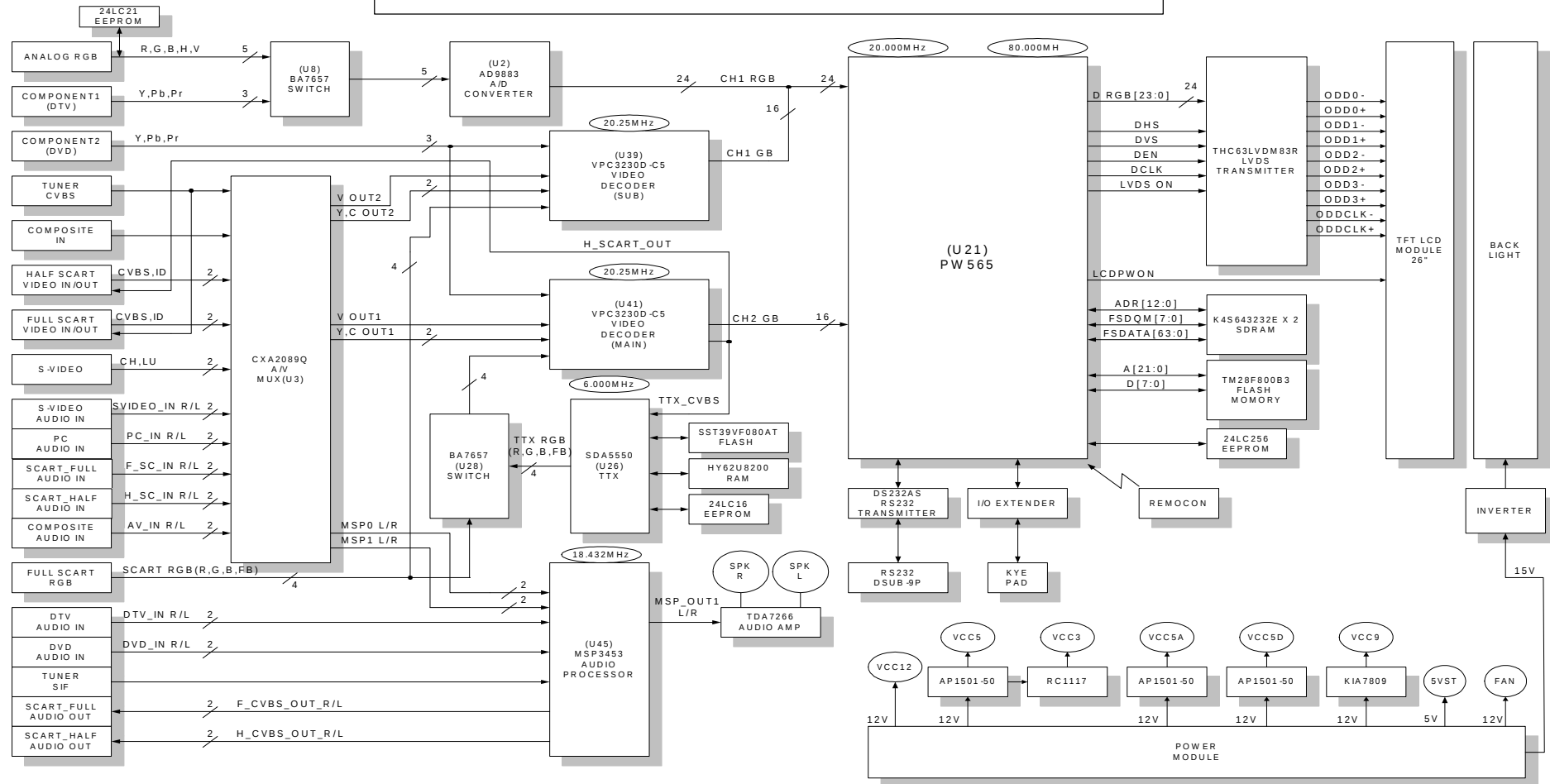
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DLP-2622 LCD TV WIRING DIAGRAM



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DLP - 2622 BLOCK DIAGRAM



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