



LG

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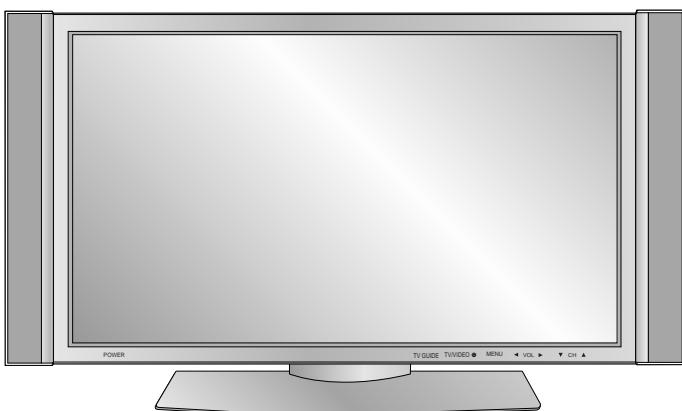
PLASMA TV SERVICE MANUAL

CHASSIS : AF-044P

MODEL : DU-42PY10X DU-42PY10XH

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer** should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

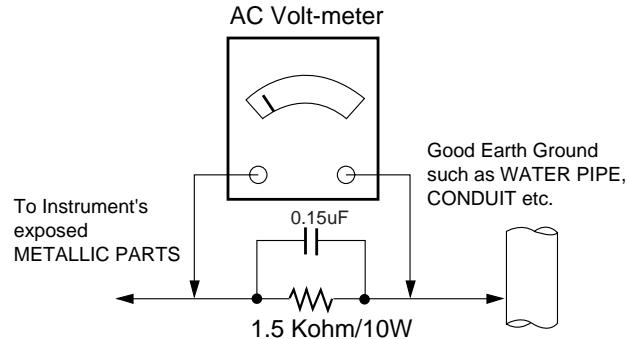
Do not use a line Isolation Transformer during this check. Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center
P.O.Box 240007, 201 James Record Road Huntsville,
AL 35824
Digital TV Hotline 1-800-243-0000

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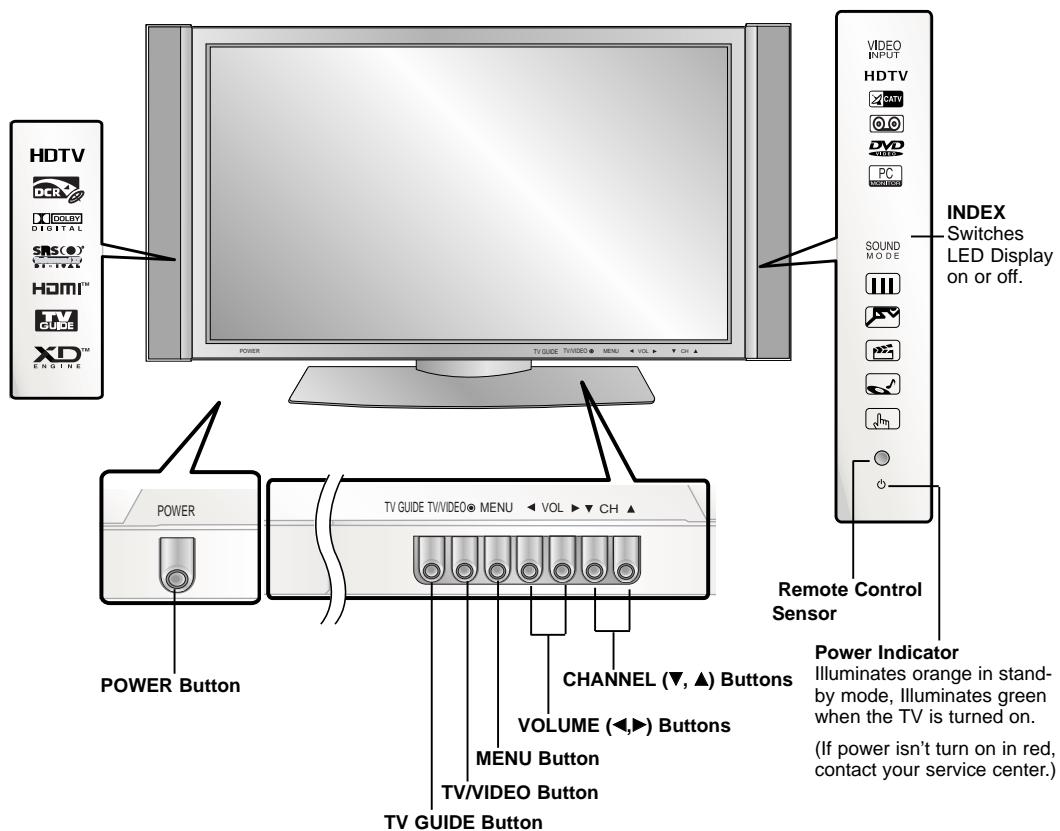
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DESCRIPTION OF CONTROLS

Controls

- This is a simplified representation of front panel.
Here shown may be somewhat different from your TV.

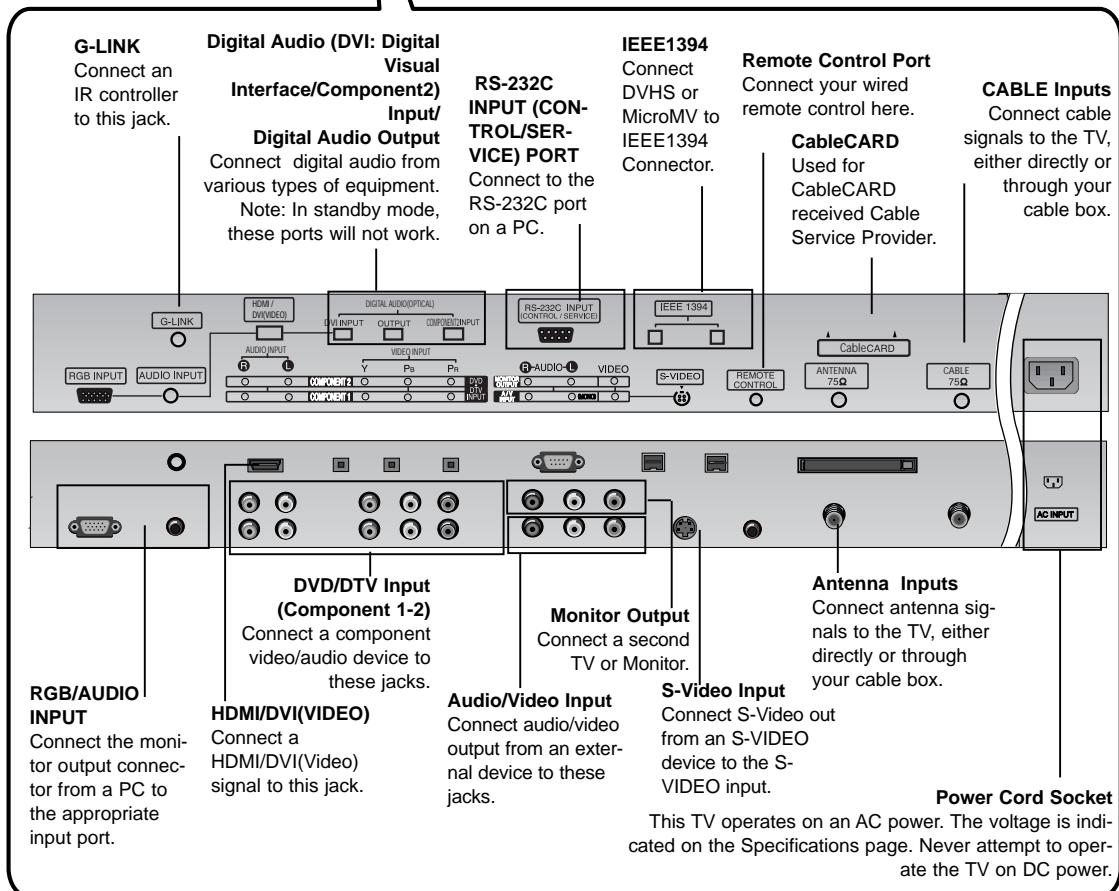
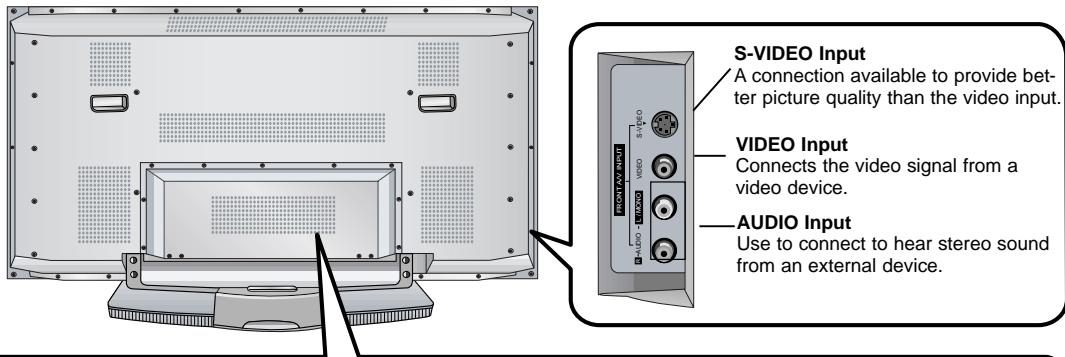
Front Panel Controls



DESCRIPTION OF CONTROLS

Connection Options

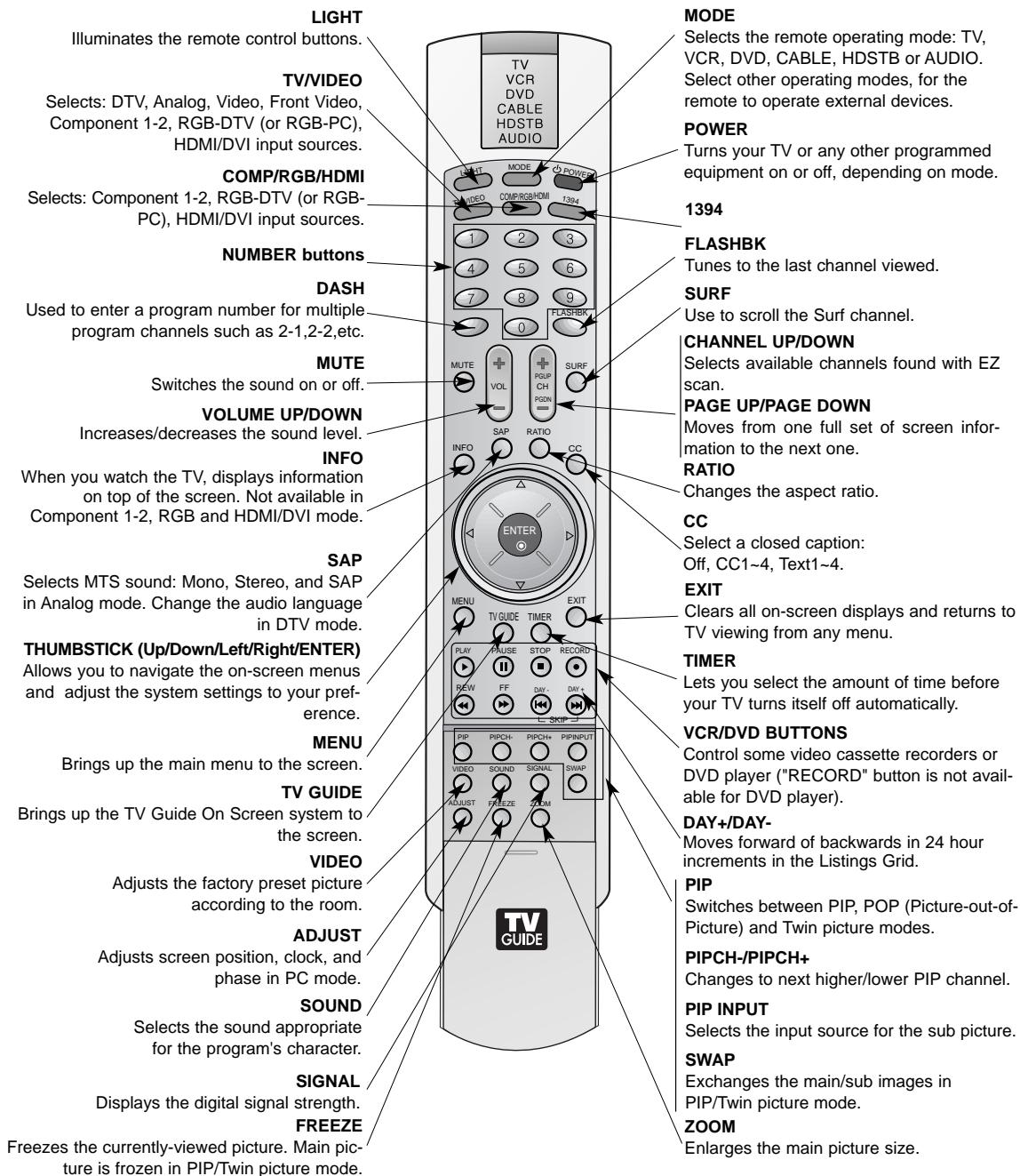
Back Connection Panel



DESCRIPTION OF CONTROLS

Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the TV.



ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP TV, AF-044P.

2. Notes

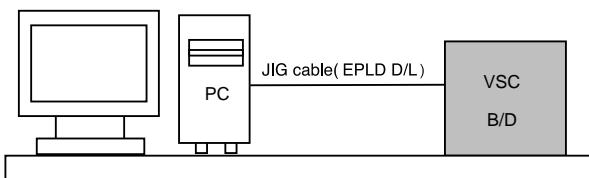
- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver be must kept 110V, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- 1) After receiving 100% white pattern, the receiver must be operated prior to adjustment. (Or 9. White Pattern condition in EZ - Adjust)
- 2) Enter into White Pattern
 - Enter the Ez - Adjust by pressing ADJ Key on Service Remote Control (S R/C).
 - Select the 9. White Pattern using CH +/- Key and press the Enter(■) Key.
 - Display the 100% Full White Pattern.

* Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

3. EPLD Download



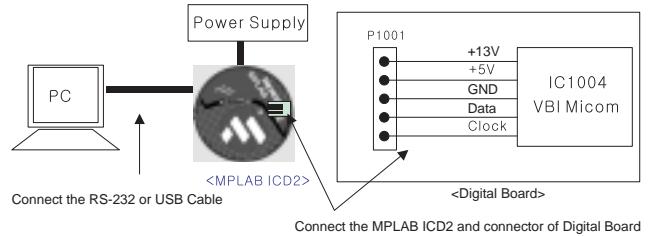
<Fig 1> Connection Diagram of EPLD Download

- (1) Test Equipment: PC, Jig for download
- (2) Connect the power of VSC B/D.
- (3) Execute download program(iMPACK) of PC.
- (4) After executing the hot key on the Programmer, click icon
- (5) End after confirming

4. Gemstar VBI Micom Download

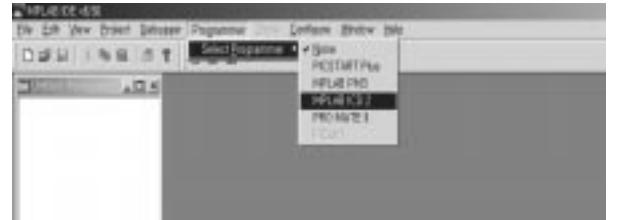
4-1. Preparation for Adjustment

- (1) As shown below, connect the MPLAB ICD2 equipment, PC and Digital Connector.
- (2) Turn on the MPLAB ICD2 POWER Supply.
- (3) After turn on the PC and MONITOR, select the 'MPLAB IDE' from the screen.

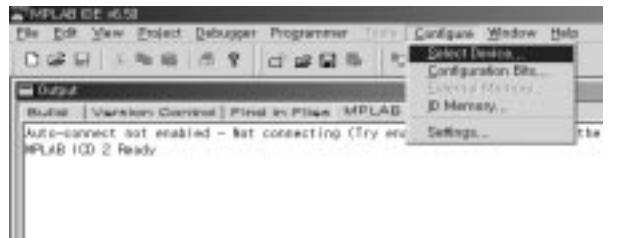


4-2. Adjustment Sequence

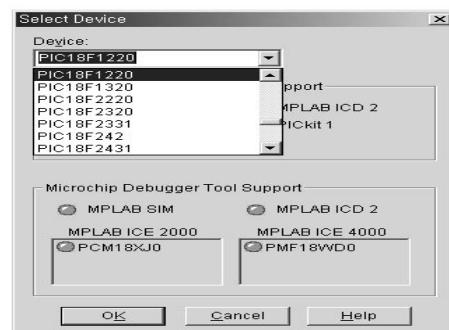
- (1) When the program is executed, select the MPLAB ICD2 from Programmer -> Select Programmer .



- (2) Select "Configure -> Select Device".



- (3) When the "Select Device" window appears, select the PIC18F1220 from "Device" and press OK.



ADJUSTMENT INSTRUCTIONS

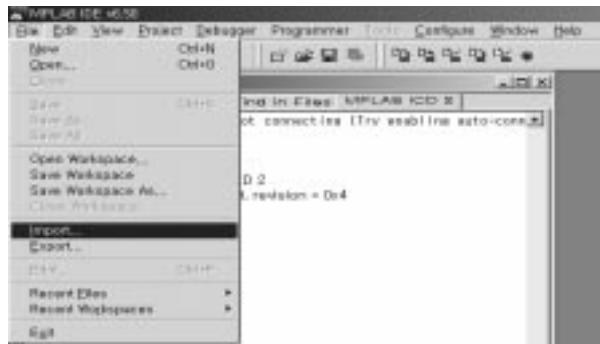
(4) Select "Programmer -> Connect".



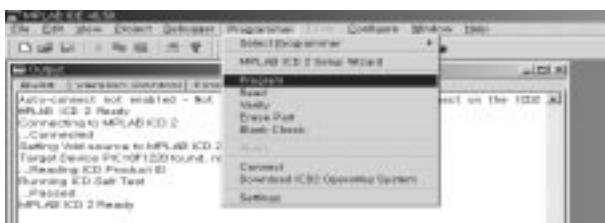
When connected with the Micom, the display message on the Output window appears as below.

```
Connecting to MPLAB ICD 2
...Connected
Setting Vdd source to MPLAB ICD 2
Target Device PIC18F1220 found, revision = 0x4
...Reading ICD Product ID
Running ICD Self Test
...Passed
MPLAB ICD 2 Ready
```

(5) Select "File -> Import", select the Work HEX file and open.

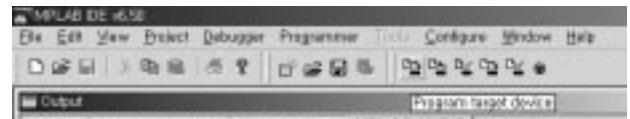


(6) Select "Programmer -> Program".



(7) Download is executed and about 5 seconds later, the "Programming succeeded" message is displayed on the Output window and the Download process is ended.

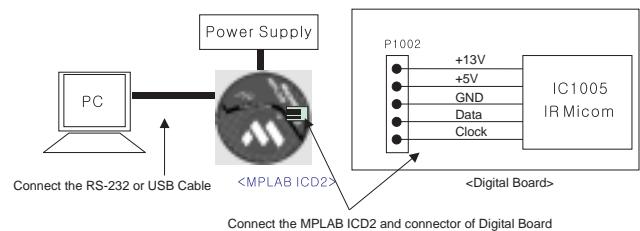
(8) The execution of process (6) is convenient when using the short-cut icon.



5. Gemstar IR Micom Download

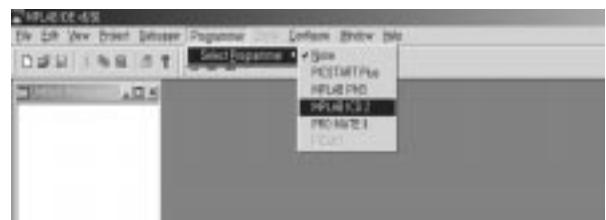
5-1. Preparation for Adjustment

- (1) As shown below, connect the MPLAB ICD2 equipment, PC and Digital Connector.
- (2) Turn on the MPLAB ICD2 POWER Supply.
- (3) After turn on the PC and MONITOR, select the 'MPLAB IDE' from the screen.

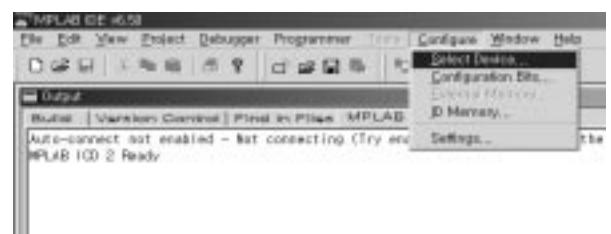


5-2. Adjustment Sequence

- (1) When the program is executed, select the MPLAB ICD2 from "Programmer -> Select Programmer".

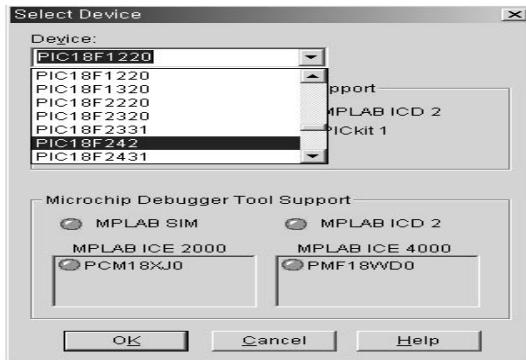


(2) Select "Configure -> Select Device".



ADJUSTMENT INSTRUCTIONS

- (3) When the "Select Device" window appears, select the PIC18F242 from "Device" and press OK.



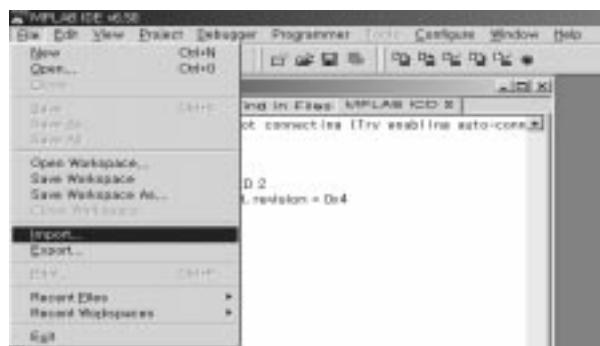
- (4) Select "Programmer -> Connect".



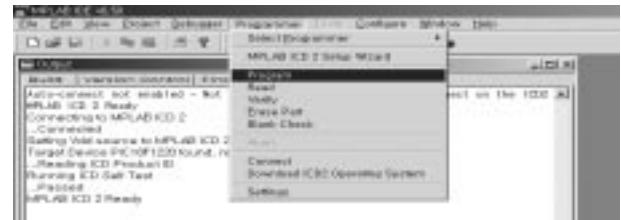
When connect with the Micom, the display message on the Output window appears as below.

```
Connecting to MPLAB ICD 2
...Connected
Setting Vdd source to MPLAB ICD 2
Target Device PIC18F242 found, revision = 0x7
...Reading ICD Product ID
Running ICD Self Test
...Passed
MPLAB ICD 2 Ready
```

- (5) Select "File -> Import", select the Work HEX file and open.

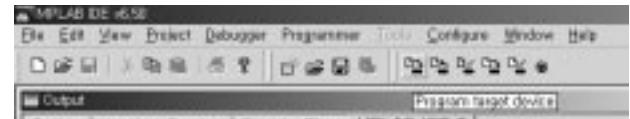


- (6) Select "Programmer -> Program".



- (7) Download is executed and about 3 seconds later, the "Programming succeeded" message is displayed on the Output window and the Download process is ended.

- (8) The execution of process (6) is convenient when using the short-cut icon.



6. POD Certificate Download & IEEE1394(DTCP) Download

6-1. Preparation for Adjustment

- (1) Connect the MEMORY JIG and PC.
- (2) Turn on the JIG MAIN POWER SWITCH.
- (3) After turn on the PC and MONITOR, execute the 'Certificate Downloader v1.4' from the screen.

6-2. Adjustment Sequence

- (1) After open the 'Certificate Downloader v1.4', enter Connection set and set the as same below.
The port settings are determined by each PC's setup.



ADJUSTMENT INSTRUCTIONS

- (2) Select 'Connection' and SET connected to RS-232C.
(3) After clicking "Enter", confirm that "Enter Password:" appears.



- (4) Click the "OpenFile - Download" button from CP Data Download, 'select the Private Key' appears and click ENTER.



- (5) After clicking ENTER, the 'opens Private key' window appears and select the Private key applied to the SET. The Private Key file name is on the Label of the Digital Board.

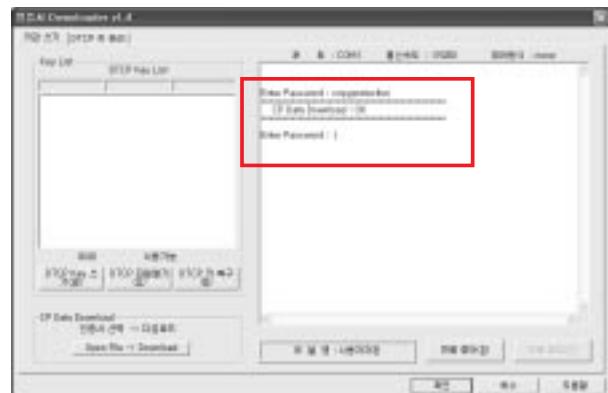


- (6) When the Dialog window appears, click OK and the write work will begin.

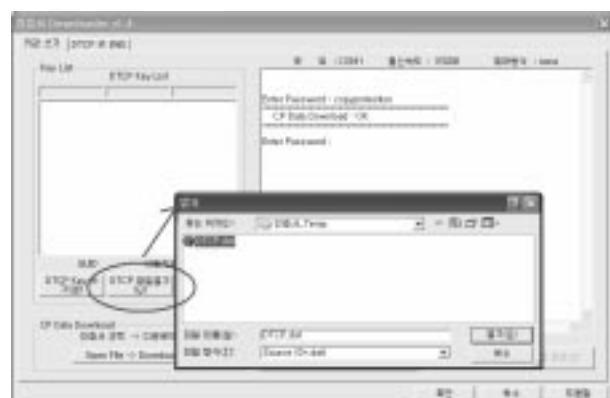


- (7) When completed, click 'CP Data Download: OK'

* When 'CP Data Download: OK' does not appear, certificate has not Download correctly.
SET is rebooted and certificate Download work must be repeated.



- (8) Now, you may begin IEEE1394 (DTCP) Download work. Select the "DTCP.dat" file by pressing the 'DTCP File Open' button.



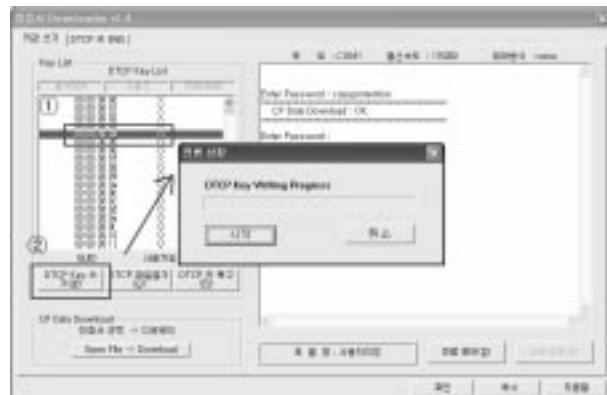
ADJUSTMENT INSTRUCTIONS

- (9) After opening the 'DTCP.dat' file, confirm the key list in the DTCP Key List window.

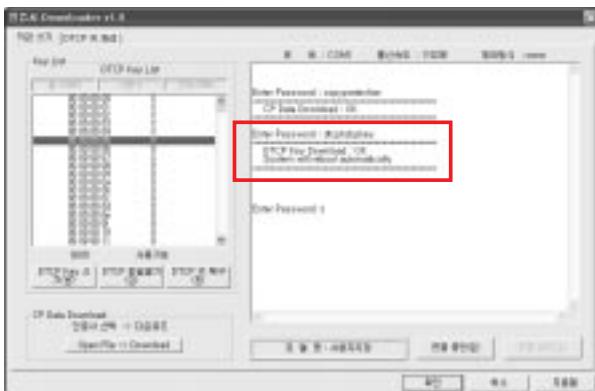


- (10) Select the desired item of DTCP key List.

When pressing 'DTCP key writing' button, the Progress window will appear.



- (11) When completed, "DTCP key Download: OK" will display in the Terminal window and the SET will reboot automatically.



* When process (11) malfunctions, it is not Download.
DTCP Download process start again from (8).

7. Gemstar Operation Confirmation

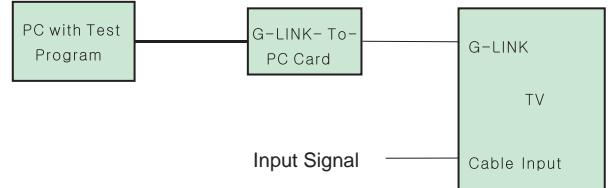
7-1. Required Test Equipment

- (1) PC with Factory Test Program
- (2) G-LINK-To-PC Card (Serial GLINK(CN1202))
- (3) VBI Inserter (Norpak TES3) - Guide Data Discharge Equipment

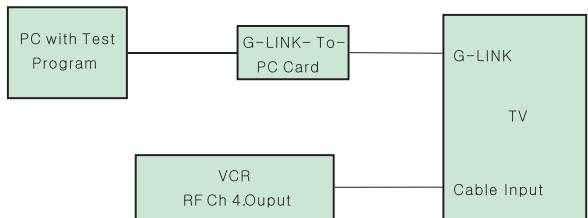
* In case of without the VBI Inserter(TES3), a VCR may be used.

7-2. Preparation for Adjustments

- (1) In case of with VBI Inserter(TES3): Signal uses Cable input and set as below.



- (2) In case of without VBI Inserter(TES3): VCR uses Cable input and set as below.



* Factory Test S/W must be set to "GlinkTo PC Card" ON.

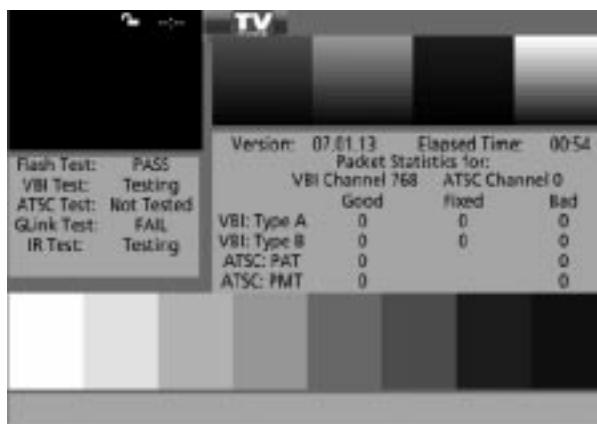
7-3. Adjustment Confirmation Work

- (1) Turn on the TV and run Factory Test Program of PC.

* Program only needs to run once, regardless of set quantity.

- (2) Enter the EZ adjust menu by pressing Adjust on the Service Remote Control (S R/C).
- (3) Go to number 1 Gemstar and press Enter.
- (4) TV set screen will appear as shown.

ADJUSTMENT INSTRUCTIONS

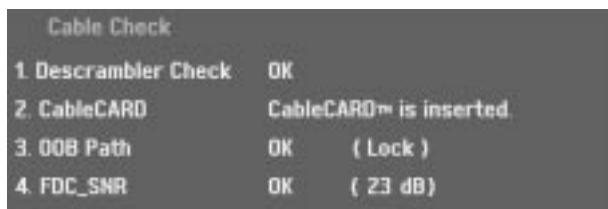


- (5) Confirm that VBI Test, Glink Test and IR Test PASS from the screen.

8. Cable Operation Confirmation

- (1) Confirm that the Cable Card is inserted in the slot.
- (2) Enter the EZ adjust menu by pressing Adjust on the Service Remote Control (S R/C).
- (3) Go to number 2 Cable Check and press the Right key (▶).
- (4) Confirm items below..

Name	Normal	Defective
Descrambler Check	OK	Not OK
CableCARD	CableCARD™ is inserted.	CableCARD™ is removed.
OOB Path	OK(Lock)	Not OK(Unlock)
FDC_SNR	OK(20dB above)	Not OK(20dB under)
Video Signal	Normal Screen	Black Screen (No Picture)



ADJUSTMENT INSTRUCTIONS

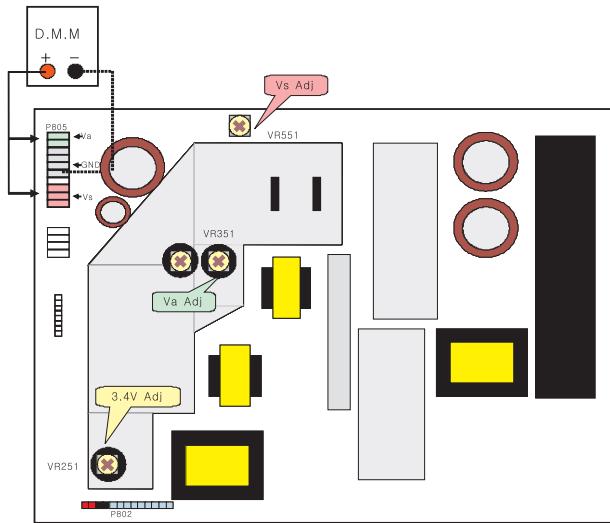
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

9. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

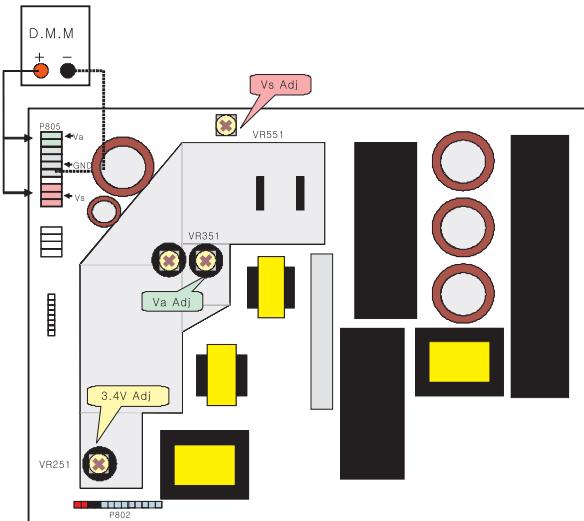
9-1. Test Equipment : D.M.M 1EA

9-2. Connection Diagram for Measuring

Refer to Fig 1.



<Fig. 1-1> Connection Diagram of Power Adjustment for Measuring (Power Board): 42"



<Fig. 1-2> Connection Diagram of Power Adjustment for Measuring (Power Board): 50"

9-3. Adjustment (42", 50")

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust VR351 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust VR551 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

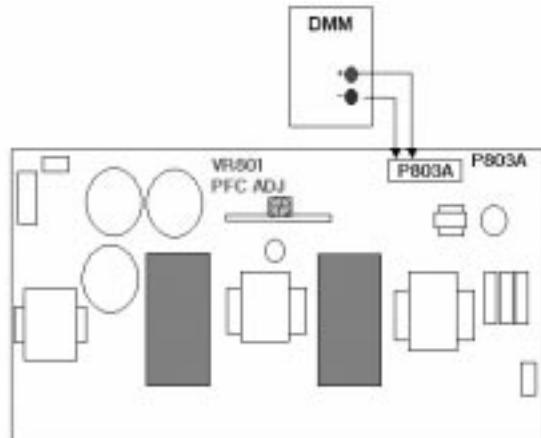
(3) 3.4V Adjustment

- 1) Connect + terminal of D.M.M to 3.4V pin of P802 and connect – terminal to GND pin of P805.
- 2) Adjust VR251 voltage to be 3.4V. (Deviation : $\pm 0.1V$)

9-4. Adjustment(60")

(1) PFC Adjustment

- 1) After receiving 100% White Pattern, HEAT RUN.
- 2) Connect + terminal of DMM to PFC + terminal of P803A, connect - terminal of DMM to GND of P803A.
- 3) Adjust VR801 until voltage reading is 380V($\pm 1V$).



<Fig. 1-3> Connection Diagram of Power Adjustment for Measuring (PFC Board): 60"

(2) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P8011 and connect – terminal to GND pin of P8011.
- 2) Adjust VR8401 voltage to match that of the label on the Top/Right of the panel.(Deviation : $\pm 0.5V$)

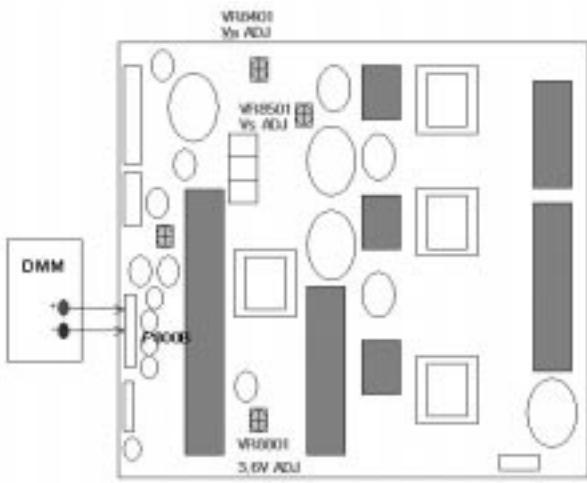
(3) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P8011 and connect – terminal to GND pin of P8011.
- 2) Adjust VR8501 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

ADJUSTMENT INSTRUCTIONS

(4) 3.4V Adjustment

- 1) Connect + terminal of D.M.M to 3.4V pin of P800B and connect – terminal to GND pin of P800B.
- 2) Adjust VR8801 voltage to be 3.4V. (Deviation : $\pm 0.1V$)



<Fig. 1-4> Connection Diagram of Power Adjustment for Measuring (Power Board): 60"

10. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) download

This is the function that enables "Plug and Play".

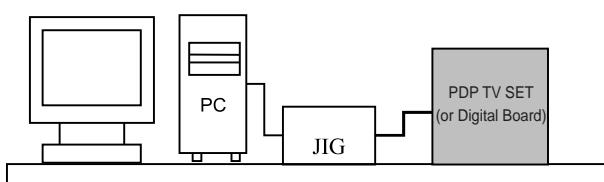
10-1. HDMI EDID Data Input

(1) Required Test Equipment

- 1) Jig for adjusting PC, DDC. (PC serial to D-sub. Connection equipment)
- 2) S/W for writing DDC(EDID data write & read)
- 3) D-Sub cable
- 4) Jig for HDMI Cable connection

(2) Preparation for Adjustments & Setting of Device

- 1) Set devices as below and turn on the PC and JIG.
- 2) Open S/W for writing DDC (EDID data write & read). (operated in DOS mode)



10-2. EDID DATA(50", 60")

- EDID for HDMI (DDC (Display Data Channel) Data)

EDID table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10		00	0E	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01	01
30		01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
40		55	00	C4	8E	21	00	00	1E	01	1D	80	18	71	1C	16	20
50		58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	FC	00	4C
60		47	20	54	56	20	20	20	20	20	20	0A	00	00	00	FD	
70		00	3B	3C	1F	2D	08	00	0A	20	20	20	20	20	20	01	85

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

0		02	03	13	F2	44	84	85	03	02	23	15	07	50	65	03	0C
10		00	10	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00	C4
20		8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
30		00	13	8E	21	00	00	18	00	00	00	00	00	00	00	00	00
40		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	OA

- EDID DATA for RGB

EDID table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

00		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	01	01	01	01	01	
10		03	0D	01	03	08	6E	3E	96	08	CF	72	A3	57	4C	B0	23	
20		09	45	5D	EF	CE	00	31	D9	31	59	45	59	01	01	01	01	
30		01	01	01	01	01	01	40	C3	1E	00	20	41	00	20	30	10	60
40		13	00	4C	6C	42	00	00	18	00	00	00	00	FC	00	4C	47	20
50		54	56	0A	20	20	20	20	20	00	00	00	00	00	FD	00	30	
60		4C	1E	64	0F	00	0A	20	20	20	20	20	20	00	00	00	FC	
70		00	44	55	2D	35	30	50	59	31	30	0A	20	20	20	00	94	

10-3. EDID DATA(42")

- EDID for HDMI (DDC (Display Data Channel) Data)

EDID table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

0		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10		00	0E	01	03	80	5C	34	96	0A	CF	74	A3	57	4C	B0	23
20		09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01	01
30		01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
40		55	00	C4	8E	21	00	00	1E	01	1D	80	18	71	1C	16	20
50		58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	FC	00	4C
60		47	20	54	56	20	20	20	20	20	0A	00	00	00	00	FD	
70		00	3B	3C	1F	2D	08	00	0A	20	20	20	20	20	01	A9	

ADJUSTMENT INSTRUCTIONS

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

0		02	03	13	F2	44	84	85	03	02	23	15	07	50	65	03	0C
10		00	10	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00	C4
20		8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
30		00	13	8E	21	00	00	18	00	00	00	FC	00	00	FC	00	44
40		55	2D	34	32	50	59	31	30	58	0A	20	20	20	00	00	00
50		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	0A

• EDID DATA for RGB

EDID table =

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

00		00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	01	01	01	01	01
10		06	0D	01	03	18	5C	34	96	08	CF	72	A3	57	4C	B0	23
20		09	45	5D	EF	CE	00	31	D9	31	59	45	59	01	01	01	01
30		01	01	01	01	01	40	C3	1E	00	20	41	00	20	30	10	60
40		13	00	98	08	32	00	00	18	00	00	00	FC	00	4C	47	20
50		54	56	0A	20	20	20	20	20	20	00	00	00	FD	00	30	
60		4C	1E	64	0F	00	0A	20	20	20	20	20	20	20	00	00	00
70		00	44	55	2D	34	32	50	59	31	30	58	0A	20	20	00	C5

11. AD9883A-Set Adjustment

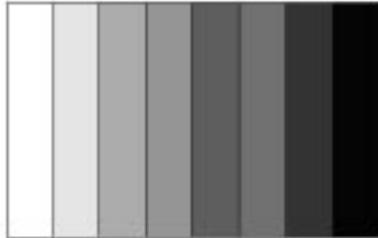
11-1. Synopsis

AD9883A-Set adjustment to set the black level and the Gain of optimum with an automatic movement from the analog => digital converter.

11-2. Test Equipment

Service R/C, 801GF(802B, 802F, 802R) or MSPG925FA Pattern Generator

(720P) The Vertical 100% Color Bar Pattern output will be possible and the output level will accurately have to be revised with $0.7 \pm 0.1\text{Vp-p}$)



<Fig. 3> Adjustment Pattern : 720P Vertical Color Bar

11-3. Adjustment

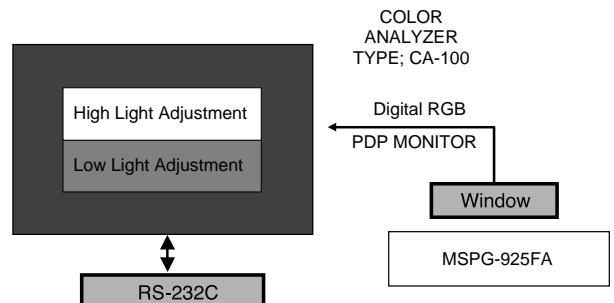
- (1) Select Component1 or Component2 as the input with 100% Vertical Color Bar Pattern in 720p Mode and select 'Normal' in screen.
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '1. AD9883A-Set'.
Pressing the + Key to adjust with automatic movement.
- (3) When the adjustment is over, 'AD9883 - Set' is displayed. If the adjustment has errors, 'AD9883 set error' is displayed.
- (4) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
- (5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

12. Adjustment of White Balance

12-1. Required Equipment

- (1) Color analyzer (CA-100 or similar product)
- (2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible)
- (3) AV Pattern Generator

12-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 4> Connection Diagram of Automatic Adjustment

ADJUSTMENT INSTRUCTIONS

*. RS-232C Command (Automatic Adjustment)

	RS-232C Command [CMD ID DATA]	MIN	CENTER (DEFAULT)	MAX
R Gain	ja oo XX	00	7f	ff
G Gain	jb oo XX	00	7f(Fix.)	ff
B Gain	jc oo XX	00	7f	ff
R Cut	lj oo XX	00	3f(Fix.)	7f
G Cut	lk oo XX	00	3f	7f
B Cut	ll oo XX	00	3f	7f

12-3. Adjustment of White Balance

- Operate the Zero-calibration of the CA-100, then attach sensor to PDP module surface when you adjust.
 - Manual adjustment is also possible by the following sequence.
- (1) Enter 'Ez - Adjust' by pressing ADJ KEY on the Service Remote Control.
 - (2) Select "7. WHITE PATTERN" using CH +/- Key and HEAT RUN at least 30 minutes by pressing the ENTER Key.
 - (3) Receive the Window pattern signal from Digital Pattern Generator. (AV Input: connect the 'HDMI')
 - (4) After attaching sensor to center of screen, select '3. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (►).
 - (5) Adjust the Hight Light using R Gain/B Gain and adjust the Low Light using G Cut/B Cut.
 - (6) Adjust using Volume +/- KEY.

(R-Gain: 127 R-Cut: 63 Fix.)

High Level: 150gray
Low Level: 60gray

X: 0.285±0.003
Y: 0.285±0.003

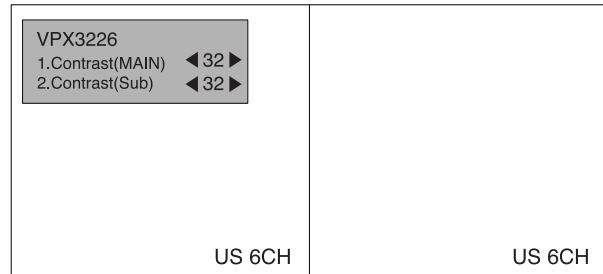
Color temperature: 9,800°K±500°K

- (7) After adjustment is complete, move to Ez - Adjust screen by pressing the ENTER(■) KEY. Then exit the adjustment mode by press ADJ KEY.

13. Main/Sub Contrast Adjustment

Main/Sub contrast adjustment reduces the contrast difference of Main/Sub screen in PIP/POP/SPLIT Screen.

- (1) After receiving signal for at least 1 second, press the ADJ KEY on the Service R/C and enter the 'Ez - Adjust' then select '2. VPX3226'.
Enter adjustment mode by pressing the Right KEY(►).
- (2) When entering adjustment mode, the TV image becomes 6CH SPLIT Screen with automatic movement as in below window.



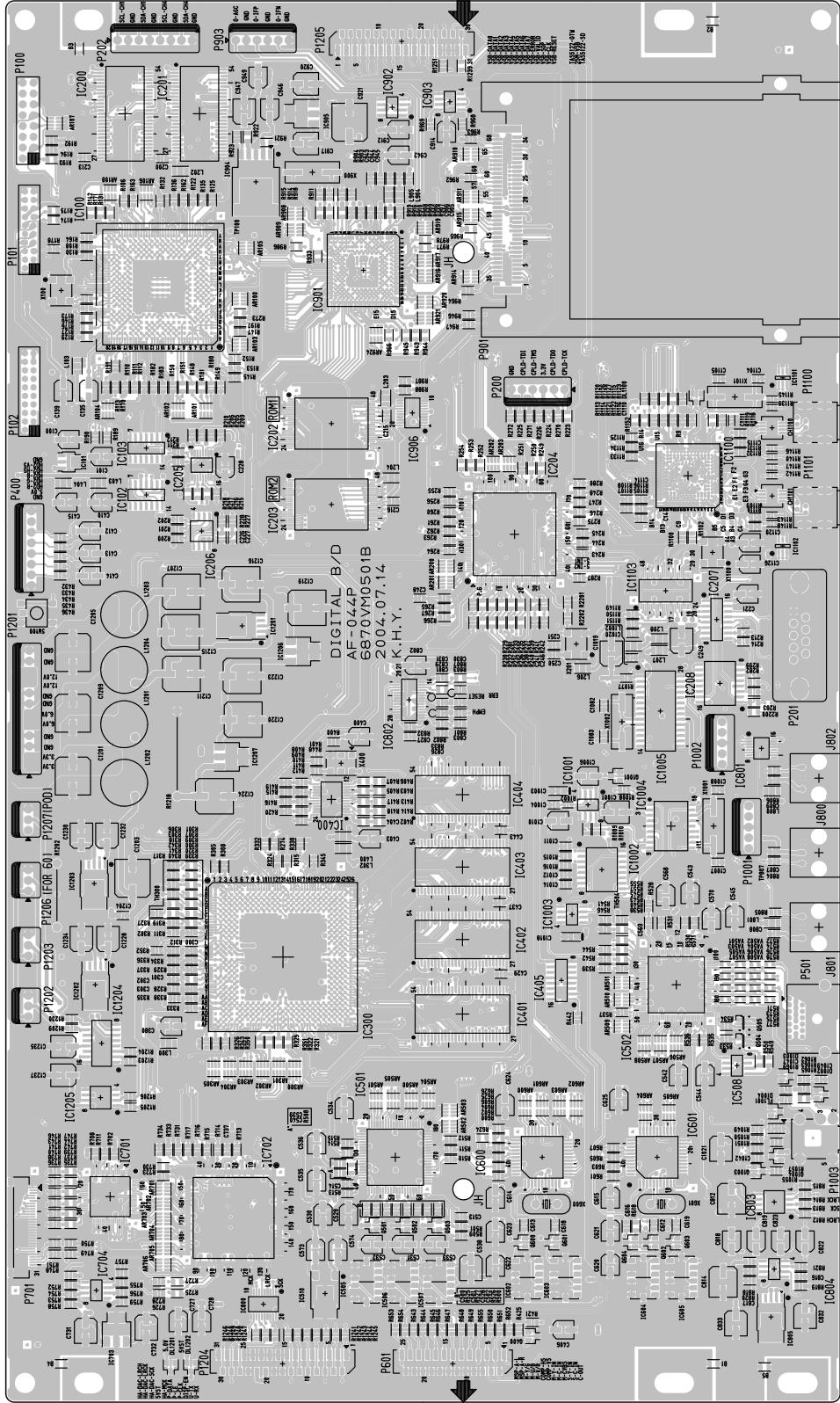
- (3) After adjusting the 1. Contrast (Main) first to see the most clear outline of "US 6CH" letter on left Main screen, 2. Contrast (Sub) adjust to be same the contrast of right Sub screen and contrast of left Main screen.
This time adjust using the volume +/- Key.
- (4) After adjustment is complete, exit the adjustment mode by press ADJ KEY.

14. DVCO Adjustment

- (1) After adjusting Main/Sub Contrast, receive a Digital Pattern.
- (2) Select '4. DVCO-Set' by pressing the ADJ KEY on the Service R/C and adjust by pressing the Right KEY (►).
- (3) When adjustment is complete, "DVCO-Set" will appear.
Exit the adjustment mode menu by pressing ADJ key.

PRINTED CIRCUIT BOARD

MAIN DIGITAL(TOP)



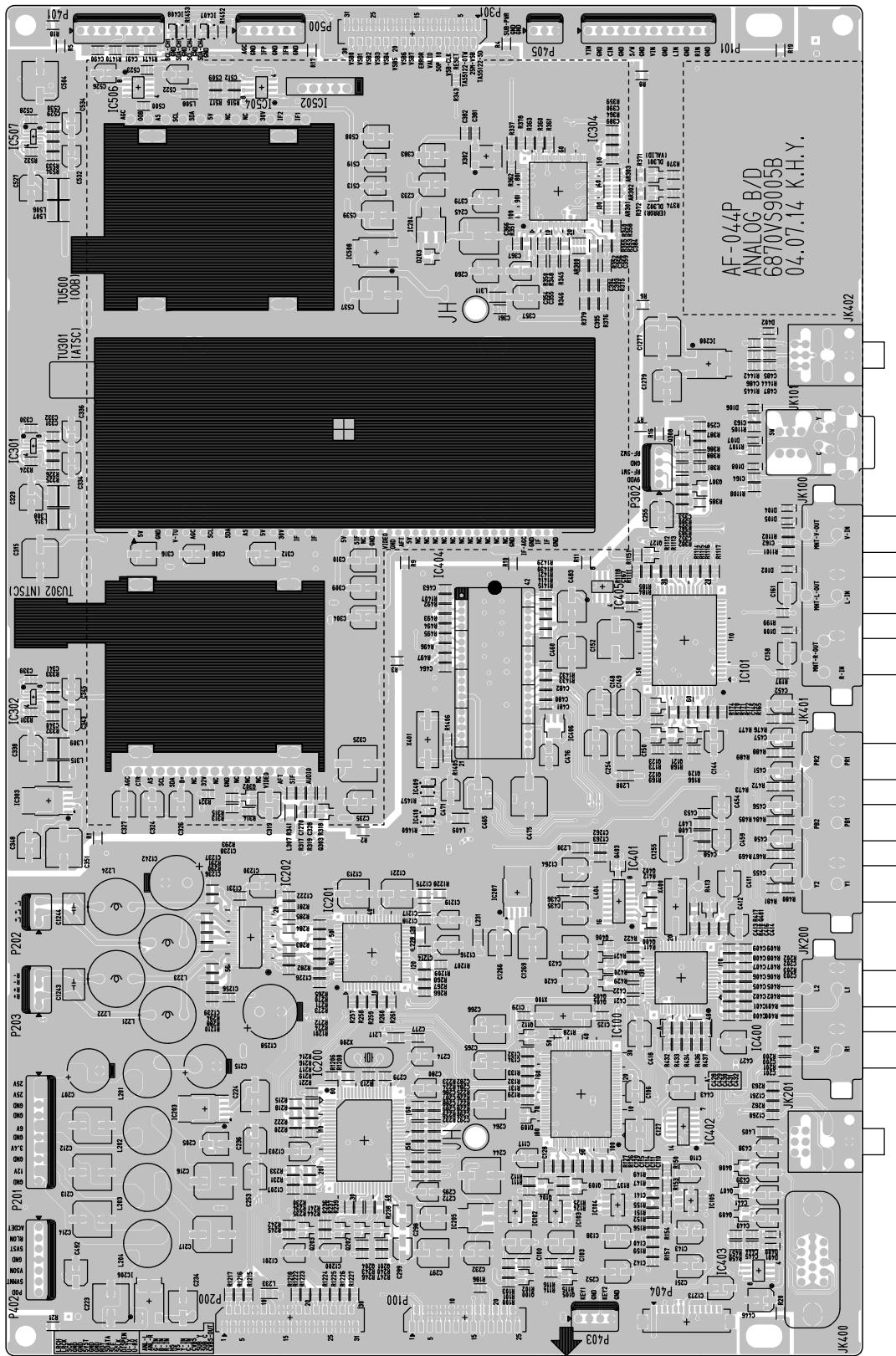
PRINTED CIRCUIT BOARD

MAIN DIGITAL(BOTTOM)



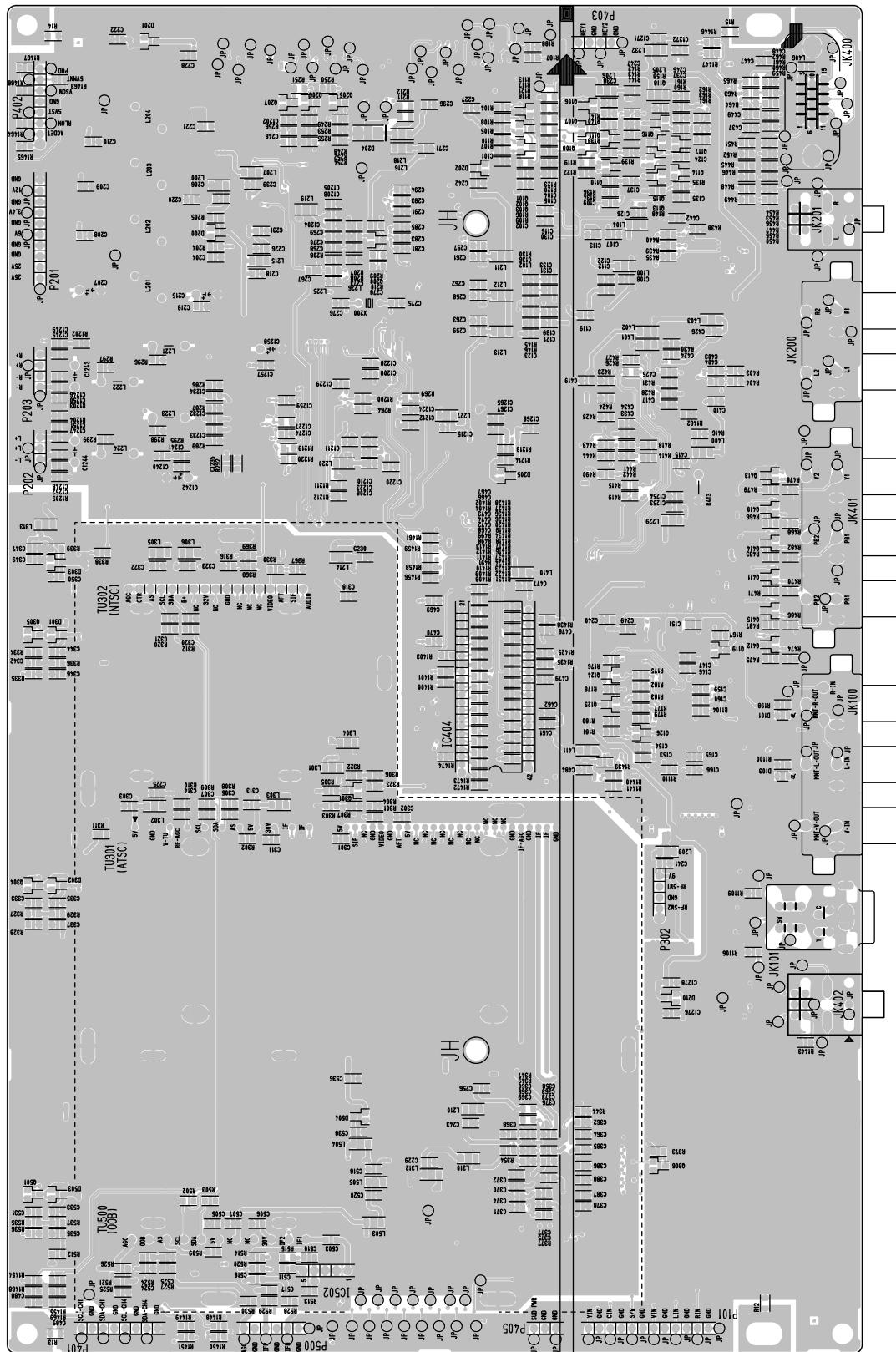
PRINTED CIRCUIT BOARD

TUNER ANALOG(TOP)



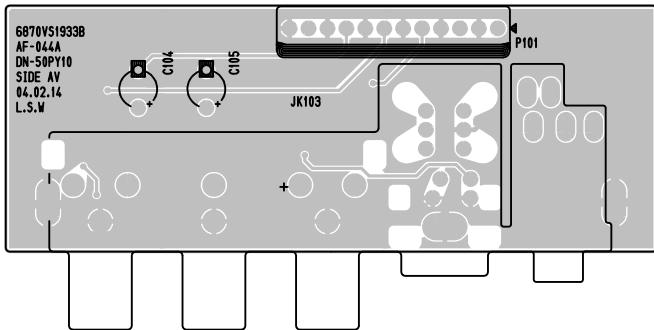
PRINTED CIRCUIT BOARD

TUNER ANALOG(BOTTOM)

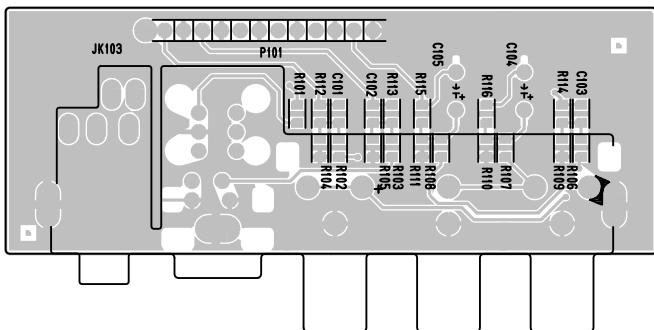


PRINTED CIRCUIT BOARD

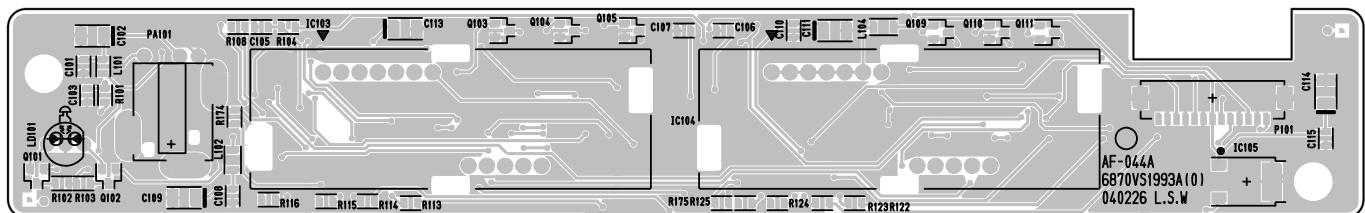
SIDE A/V(TOP)



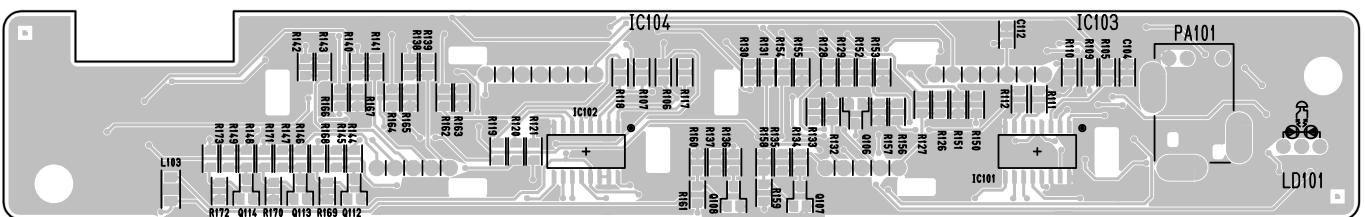
SIDE A/V(BOTTOM)



LED(TOP)

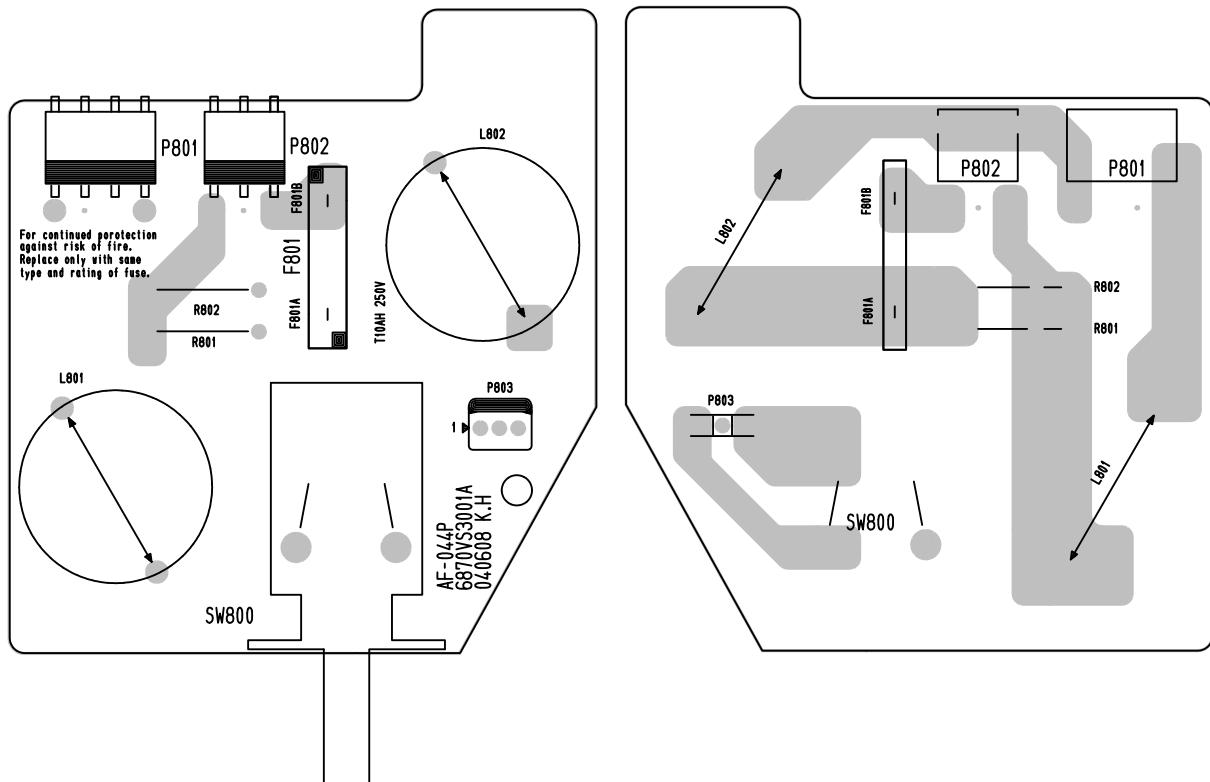


LED(BOTTOM)

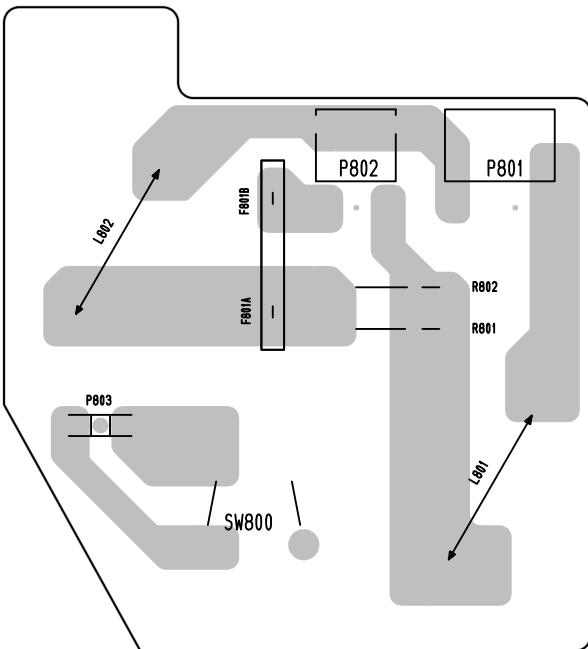


PRINTED CIRCUIT BOARD

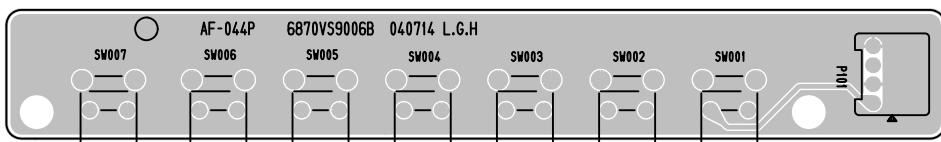
POWER S/W(TOP)



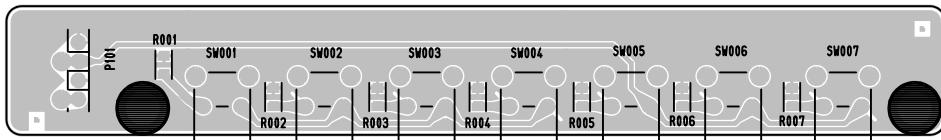
POWER S/W(BOTTOM)



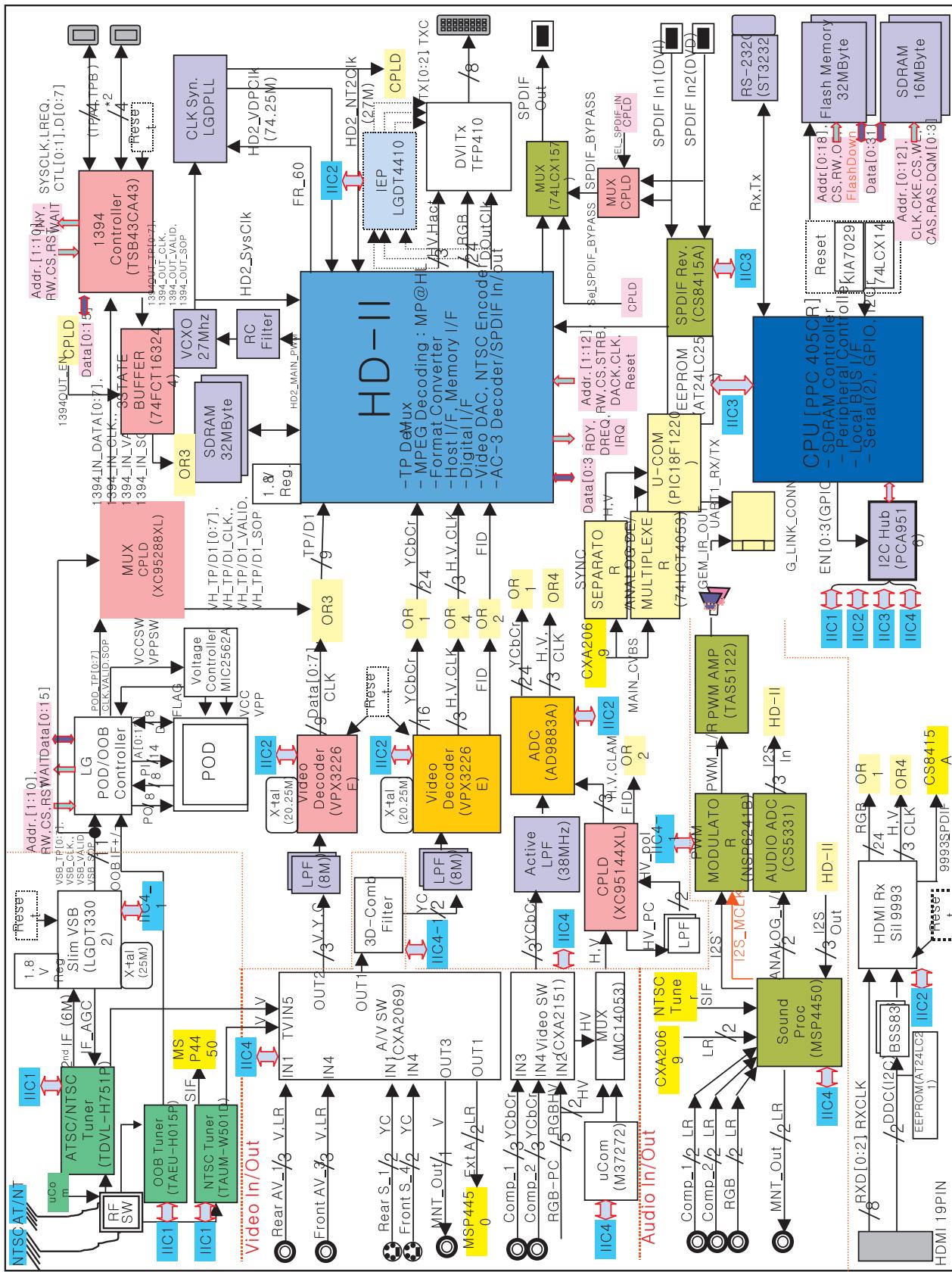
KEYBOARD(TOP)



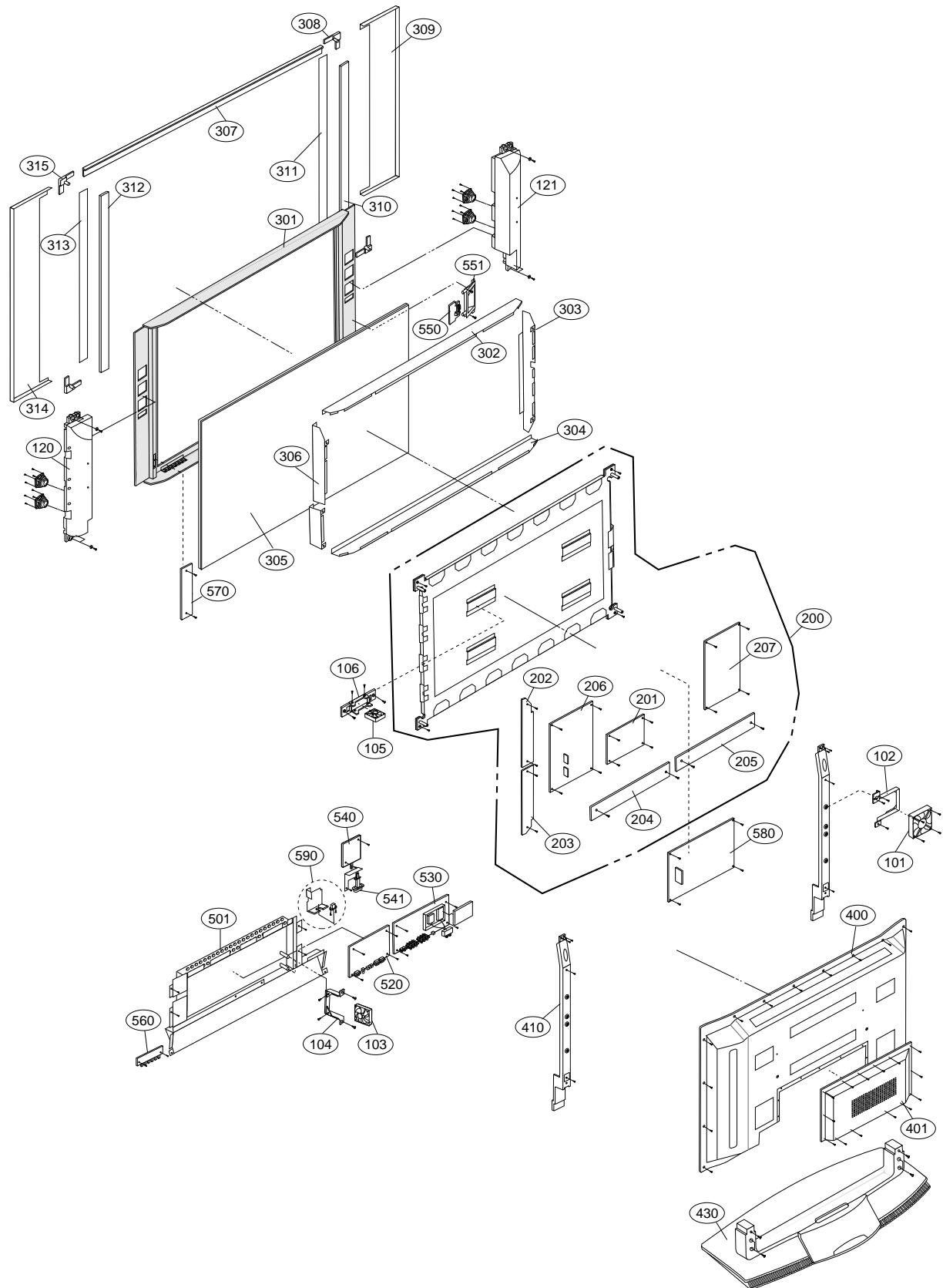
KEYBOARD(BOTTOM)



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V06008B	FAN,DC G6015S12B2-RG DONGYANG 60*60*15 7V 1900RPM 6/12V L=500MM
102	4980V01135A	SUPPORTER,FAN SECC(EGI) DN-42PX12X
103	5900V06008A	FAN,DC G6015S12B2-RG DONGYANG 60*60*15 12V 1500RPM 10/14V L=500MM
104	4980V00B81A	SUPPORTER,FAN EGI DN-50PY10
105	5900V06008B	FAN,DC G6015S12B2-RG 60*60*15 7V 1900RPM 6/12V L=500MM
106	4980V00D43A	SUPPORTER,FAN SECC(EGI) MZ-42PM10 NCT
120	6401VD0013J	SPEAKER ASSEMBLY,FULL RANGE(R)
121	6401VD0013K	SPEAKER ASSEMBLY,FULL RANGE(L)
200	6348Q-E042D	PDP,42 16:9 1024*768 PDP42X20000.AKLLG
201	6871QCH038A	PCB ASSEMBLY,DISPLAY CTRL ASSY 42X2 CTRL LGDP4023,4013
202	6871QDH068A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42X2 YDRV TOP
203	6871QDH069A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42X2 YDRV BOTTOM
204	6871QLH037A	PCB ASSEMBLY,DISPLAY XRLT ASSY 42X2 X-LEFT(TCP)
205	6871QRH043A	PCB ASSEMBLY,DISPLAY XRRT ASSY 42X2 X-RIGHT (TCP)
206	6871QYH030A	PCB ASSEMBLY,DISPLAY YSUS ASSY FOR 42X2
207	6871QZH034A	PCB ASSEMBLY,DISPLAY ZSUS ASSY FOR 42X2
301	3091V00649B	CABINET ASSEMBLY,DU-42PY10X NON AF044A C/A ASSY
302	4980V01063A	SUPPORTER ASSY,AL FILTER TOP DN-42PY10
303	4980V01066A	SUPPORTER ASSY,AL FILTER SIDE L DN-42PY10
304	4980V01064A	SUPPORTER ASSY,AL FILTER BOTTOM DN-42PY10
305	5230V00021C	FILTER(MECH),DU-42PY10 LG-CHEMICAL FLATRON PLASMA DELETE LG FOR AMREICA
306	4980V01065A	SUPPORTER ASSY,AL FILTER SIDE R DN-42PY10
307	3210V00249A	FRAME,FRONT AL DN-42PY10 TOP
308	4972V00112A	FIXER,FRAME AL DN-42PY10 LEFT
309	4811V00109A	BRACKET ASSEMBLY,SPEAKER DN-42PY10 AF045A LEFT
310	3210V00252A	FRAME,FRONT AL DN-42PY10 LEFT
311	3790V00744D	WINDOW,DECO DU-42PY10X ACRYL LEFT
312	3210V00251A	FRAME,FRONT AL DN-42PY10 RIGHT
313	3790V00743C	WINDOW,DECO DN-42PY10X ACRYL BK
314	4811V00108A	BRACKET ASSEMBLY,SPEAKER DN-42PY10 AF045A RIGHT
315	4972V00111A	FIXER,FRAME AL DN-42PY10 RIGHT
400	3809V00448G	BACK COVER ASSEMBLY,
401	3300V00407A	PLATE,AV AL NON POD
410	4980V01045A	SUPPORTER,MODULE AL DN-42PY10
430	3501V00184A	BOARD ASSEMBLY,AP-42DY11 AF045A DESK STAND, WITHOUT PACKING
501	3301V00027F	PLATE ASSEMBLY, 3301V00022 DU-42PY10X
520	6871VMMT13A	PCB ASSEMBLY,MAIN AF-044P DU-42PY10X DIGITAL BD
530	6871VSMG35A	PCB ASSEMBLY,SUB TUNER AF044P DU-42PY10X ANALOG
540	6871VSMH11A	PCB ASSEMBLY,SUB PSW AF044P DU-42PY10X
541	5020V00918A	BUTTON,POWER DN-42PY10 ABS, AF-303S 1KEY .
550	6871VSMF13A	PCB ASSEMBLY,SUB A/V AF044A DN-50PY10 SIDE A/V
551	4811V00111E	BRACKET ASSEMBLY,SIDE AV DU-42PY10X AF044A .
560	6871VSMF55A	PCB ASSEMBLY,SUB KEYBOARD AF044A DU-50PY10 LOCAL KEY
570	6871VSMF19A	PCB ASSEMBLY,SUB LED AF044P DU-42PY10X INDEX BD
580	3501V00181B	BOARD ASSEMBLY,POWER DN-42PY10X AF044A MURATA MPF7413
590	3141VSN932A	CHASSIS ASSEMBLY,SUB RF043A AC INET ASSY

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic	RD : Carbon Film
CQ : Polyester	RS : Metal Oxide Film
CE : Electrolytic	RN : Metal Film
	RF : Fusible

RUN DATE : 2004.8.17

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC					
IC100	0IMMRNE002A	UPD64083GF3BA 100	IC400	0IMCRSO008A	CXA2151Q 48P
IC100	0IMCRBM003A	IBM25PPC405CR-3BC200C	IC400	0ICTMLG013A	LGDT1901A 24P
IC1001	0IMCRMT003A	MM1108XFFE 8P	IC401	0IMO140530D	MC14053BDR2 16P
IC1002	0IMO744053B	MC74HC4053DW 16SOP 3*2CH.MUX	IC401	0IMMRSS041D	K4S641632H-TL75 54P
IC1003	0IPMGNS026A	LM311MX 8P	IC402	0IPH740800M	74F08D 14P
IC1004	0IMCRMP006A	PIC18F1220T-I/SO 28P	IC402	0IMMRSS041D	K4S641632H-TL75 54P
IC1005	0IMCRMP007A	PIC18F242T-I/SO 18P	IC403	0IAL242110A	AT24C21-10SI-2.5 8P
IC101	0ISO206900A	CXA2069Q QFP64	IC403	0IMMRSS041D	K4S641632H-TL75 54P
IC101	0IKE702900G	KIA7029AF SOT-89 TP 2.9V	IC404	0IMMRSS041D	K4S641632H-TL75 54P
IC101	0IMI623200B	M62320FP 16P	IC404	0IZZVA3001A	M37272E8A(OTP) DIP 42P
IC102	0IPH741400E	74HC14D 14SOP	IC405	0IMCRAL006A	AT24C16AN-10SI-2.7 8P
IC102	0IMI623200B	M62320FP 16P	IC405	0IMCRCY002A	CY2309SC-1HT 16P R/TP 3.3V
IC103	0IMCRPH015A	74LVC32AD 14P SOT108-1	IC406	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC105	0IMCRFA015A	KA7805R 2P	IC501	0IMCRAD002A	AD9883AKST-110 80P
IC1100	0IMCRTI025A	TSB43CA42GGW 176P	IC502	0IMCRSS005A	SIL9993CTG100 100P
IC1103	0IID741632A	74FCT163244CPA 48P	IC504	0IMCRTI035A	TL592B-8DR 8P VIDEO AMPLIFIER
IC1201	0IMCRSH001A	PQ05DZ1U SHARP 5	IC506	0IMCRFA004A	KA2904DTF 8SOP R/TP OP-AMP
IC1202	0IPMGKE032A	KIA78R09F 5PIN	IC507	0ITK118100B	TK11840L 8P SOT23L DC-DC CONVERTER
IC1203	0IPMGKE032A	KIA78R09F 5PIN	IC508	0IMCRFA010A	KA7809R 2P
IC1204	0IMI623200B	M62320FP 16P	IC508	0IMMRAL014B	AT24C02N-10SI-2.7 8P
IC1205	0IDS162100B	DS1621V 8P	IC510	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/TP 3.3V
IC1206	0IMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223	IC600	0ILNRMN005A	VPX3226E 44 VIDEO PIXEL DECODER
IC1207	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC601	0ILNRMN005A	VPX3226E 44 VIDEO PIXEL DECODER
IC200	0IMCRMN027B	MSP4440G-QA-C13-101 80P	IC701	0IMCRTH002A	THC63LVD103 64P
IC200	0IMMRHY038C	HY57V561620CT-H 54PIN	IC702	0ICTMLG018A	LGDP4410 176P
IC201	0IMCRNL001A	NSP-6241B 64P DIGITAL AUDIO	IC703	0IMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223
IC201	0IMMRHY038C	HY57V561620CT-H 54PIN	IC704	0IPH827150A	P82B715T 8SOP
IC202	0IMCRTI028C	TAS5122DCAR 56P	IC800	0IMCRFA013A	74LCX244MTC 20P
IC202	0IMMRAM006B	AM29DL640H90EI 48P	IC801	0ITO741570C	TC74LCX157FT 16P
IC203	0IMCRSH001A	PQ05DZ1U SHARP 5	IC802	0ICB841500B	CS8415A-CZR 28P 96KHZ DIGITAL AUDIO
IC203	0IMMRAM006B	AM29DL640H90EI 48P	IC803	0ICB533100A	CS5331A-KSR 8SOIC TP ADC
IC204	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC804	0IMO330780B	MC33078D 8/SOIC TP LINEAR +18V OP AMP
IC204	0IMCRXL004A	XC95288XL-10TQ144C 144P	IC805	0IPMGKE032A	KIA78R09F 5PIN DPAK R/TP 1A,9V
IC205	0IPRPML001A	MIC39100 3P SOT223	IC901	0ICTMLG017A	LGDT3502B 208P/PBGA
IC205	0IMCRPH026A	PCA9516PW 16P	IC902	0IMCRLT002A	LCT1470CS8 8P
IC206	0IMCRFA010A	KA7809R 2P	IC905	0IMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223
IC206	0IMCRAL021A	AT24C512W-10SI-2.7 8P	IC906	0IMCRFA013A	74LCX244MTC 20P
IC207	0IMCRSH001A	PQ05DZ1U SHARP 5	TRANSISTOR		
IC207	0IMX232162A	MAX232ACSE 16NARROW-SO RS232	IC407	0TR830009BA	BSS83
IC208	0IMCRFA010A	KA7809R 2P	IC408	0TR830009BA	BSS83
IC208	0IMO744053B	MC74HC4053DW 16SOP 3*2CH.MUX	IC409	0TR830009BA	BSS83
IC300	0ICTMLG009A	LGDT1102 HD2 SBGA-432PIN	IC410	0TR830009BA	BSS83
IC301	0ITK118100B	TK11840L 8P SOT23L DC-DC CONVERTER	Q100	0TR150400BA	CHIP 2SA1504S(ASY) KEC
IC302	0ITK118100B	TK11840L 8P SOT23L DC-DC CONVERTER	Q1001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
IC303	0IMCRSH001A	PQ05DZ1U SHARP 5	Q1002	0TR150400BA	CHIP 2SA1504S(ASY) KEC
IC304	0ICTMLG014B	LGDT3302S 100P	Q1003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
			Q1004	0TR150400BA	CHIP 2SA1504S(ASY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
Q101	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q303	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q102	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q400	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q400	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q105	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q105	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q106	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q402	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q402	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q107	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q403	0TR102009AG	CHIP KRC102S SOT-23 NA NA
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q403	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q404	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q404	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q109	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q405	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q109	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q406	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q110	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q407	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q110	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q408	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q409	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q410	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q411	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q412	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q413	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q414	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q114	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q415	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q114	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q501	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q115	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q501	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q116	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q502	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q117	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q503	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q118	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q504	0TR830009BA	BSS83
Q119	0TR150400BA	CHIP 2SA1504S(ASY) KEC	Q505	0TR830009BA	BSS83
Q120	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q600	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q121	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q601	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q122	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q123	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q603	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q124	0TR387500AA	CHIP 2SC3875S(ALY) KEC	Q604	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q125	0TR387500AA	CHIP 2SC3875S(ALY) KEC	DIODE		
Q126	0TR387500AA	CHIP 2SC3875S(ALY) KEC	D1001	0DD184009AA	KDS184S CHIP 85V 300MA
Q127	0TR150400BA	CHIP 2SA1504S(ASY) KEC	D1002	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q200	0TR387500AA	CHIP 2SC3875S(ALY) KEC	D1003	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q201	0TR150400BA	CHIP 2SA1504S(ASY) KEC	D1004	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q202	0TR150400BA	CHIP 2SA1504S(ASY) KEC	D1005	0DD184009AA	KDS184S CHIP 85V 300MA
Q203	0TR150400BA	CHIP 2SA1504S(ASY) KEC	D109	0DL233309AC	LED,SAM233
Q204	0TR150400BA	CHIP 2SA1504S(ASY) KEC	D201	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC	D202	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q206	0TR387500AA	CHIP 2SC3875S(ALY) KEC	D204	0DZRM00248A	ZENERS,RLZ8.2B-TE11
Q207	0TR102008AA	KRA102S SOT23 CHIP TR	D301	0DD184009AA	KDS184S CHIP 85V 300MA
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC	D302	0DD184009AA	KDS184S CHIP 85V 300MA
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC			

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
D500	0DD184009AA	KDS184S CHIP 85V 300MA	C1224	0CE477SF6DC	470UF MVG 16V 20%
D503	0DD184009AA	KDS184S CHIP 85V 300MA	C1226	0CK105DF64A	1UF 2012 16V 20%
DL1100	0DL233309AC	LED,SAM2333	C1228	0CE476SF6DC	47UF MVG 16V M
DL1201	0DL233309AC	LED,SAM2333	C1230	0CE106SK6DC	10UF MVG 50V 20%
DL1202	0DL233309AC	LED,SAM2333	C1230	0CE476SF6DC	47UF MVG 16V M
DL301	0DL233309AC	LED,SAM2333	C1232	0CE476SF6DC	47UF MVG 16V M
DL302	0DL233309AC	LED,SAM2333	C1234	0CE476SF6DC	47UF MVG 16V M
IC103	6301V00003A	LED ASSEMBLY,UEX-LD-048	C1235	0CE476SF6DC	47UF MVG 16V M
IC104	6301V00003A	LED ASSEMBLY,UEX-LD-048	C1237	0CE476SF6DC	47UF MVG 16V M
IC1101	0DRSE00018A	SRV05-4.TC SOT23-6L 5V	C1242	0CE108BJ618	1000UF KME 35V M
IC1102	0DRSE00018A	SRV05-4.TC SOT23-6L 5V	C1243	0CF4741L438	0.47UF D 63V 5%
CAPACITOR			C1244	0CF4741L438	0.47UF D 63V 5%
C100	0CE106SF6DC	10UF MVG 16V 20%	C1255	0CE476SF6DC	47UF MVG 16V M
C1001	0CE226SH6DC	22UF MVG 25V 20%	C1258	0CE108BJ618	1000UF KME 35V M
C1003	0CS335EFKDC	3.3UF 3216 16V 20%,-20% (SMD)	C1264	0CE476SF6DC	47UF MVG 16V M
C1006	0CE106SF6DC	10UF MVG 16V 20%	C1266	0CE476SF6DC	47UF MVG 16V M
C101	0CE106SF6DC	10UF MVG 16V 20%	C1269	0CE107SF6DC	1000UF MVG 16V M
C1010	0CE105SK6DC	1UF MVG 50V M	C127	0CE107SF6DC	1000UF MVG 16V M
C1018	0CS335EFKDC	3.3UF 3216 16V 20%,-20% (SMD)	C1273	0CE476SF6DC	47UF MVG 16V M
C1019	0CE476SF6DC	47UF MVG 16V M	C1277	0CE477SF6DC	470UF MVG 16V 20%
C1021	0CE476SF6DC	47UF MVG 16V M	C1279	0CE107SF6DC	1000UF MVG 16V M
C104	0CE1059K538	1UF KU 50V K FM5 TP5	C135	0CE226SF6DC	22UF MVG 16V 20%
C105	0CE1059K538	1UF KU 50V K FM5 TP5	C138	0CE476SF6DC	47UF MVG 16V M
C106	0CE106SF6DC	10UF MVG 16V 20%	C139	0CE226SF6DC	22UF MVG 16V 20%
C1115	0CK105DF64A	1UF 2012 16V 20%	C140	0CK105DF64A	1UF 2012 16V 20%
C1120	0CE106SF6DC	10UF MVG 16V 20%	C143	0CE476SF6DC	47UF MVG 16V M
C1126	0CE106SF6DC	10UF MVG 16V 20%	C144	0CE105SK6DC	1UF MVG 50V M
C1129	0CK105DF64A	1UF 2012 16V 20%	C148	0CE226SF6DC	22UF MVG 16V 20%
C1130	0CK105DF64A	1UF 2012 16V 20%	C149	0CE226SF6DC	22UF MVG 16V 20%
C117	0CE106SF6DC	10UF MVG 16V 20%	C150	0CE476SF6DC	47UF MVG 16V M
C118	0CE105SK6DC	1UF MVG 50V M	C152	0CE477SF6DC	470UF MVG 16V 20%
C1200	0CE475SK6DC	4.7UF MVG 50V 20%	C158	0CE105SK6DC	1UF MVG 50V M
C1201	0CE475SK6DC	4.7UF MVG 50V 20%	C161	0CE105SK6DC	1UF MVG 50V M
C1201	0CE477SF6DC	470UF MVG 16V 20%	C205	0CE476SF6DC	47UF MVG 16V M
C1203	0CE226SF6DC	22UF MVG 16V 20%	C207	0CE477DJ618	470UF STD 35V 20%
C1203	0CE477SF6DC	470UF MVG 16V 20%	C212	0CE477SF6DC	470UF MVG 16V 20%
C1205	0CE477SF6DC	470UF MVG 16V 20%	C213	0CE477SF6DC	470UF MVG 16V 20%
C1207	0CE477SF6DC	470UF MVG 16V 20%	C214	0CE477SF6DC	470UF MVG 16V 20%
C1209	0CE477SF6DC	470UF MVG 16V 20%	C215	0CE477DJ618	470UF STD 35V 20%
C1211	0CE477SF6DC	470UF MVG 16V 20%	C216	0CE477SF6DC	470UF MVG 16V 20%
C1213	0CE107SF6DC	100UF MVG 16V M	C217	0CE477SF6DC	470UF MVG 16V 20%
C1215	0CE477SF6DC	470UF MVG 16V 20%	C221	0CE226SF6DC	22UF MVG 16V 20%
C1216	0CE106SF6DC	10UF MVG 16V 20%	C223	0CE477SF6DC	470UF MVG 16V 20%
C1216	0CE477SF6DC	470UF MVG 16V 20%	C224	0CE107SF6DC	100UF MVG 16V M
C1219	0CE106SF6DC	10UF MVG 16V 20%	C228	0CE226SF6DC	22UF MVG 16V 20%
C1219	0CE477SF6DC	470UF MVG 16V 20%	C232	0CE476SF6DC	47UF MVG 16V M
C1220	0CE477SF6DC	470UF MVG 16V 20%	C233	0CE476SF6DC	47UF MVG 16V M
C1221	0CE107SF6DC	100UF MVG 16V M	C234	0CE107SF6DC	100UF MVG 16V M
C1222	0CK105DF64A	1UF 2012 16V 20%	C235	0CE476SF6DC	47UF MVG 16V M
C1223	0CE477SF6DC	470UF MVG 16V 20%	C236	0CE476SF6DC	47UF MVG 16V M
			C244	0CE477SF6DC	470UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C245	OCE477SF6DC	470UF MVG 16V 20%	C427	OCE476SF6DC	47UF MVG 16V M
C249	OCE476SF6DC	47UF MVG 16V M	C435	OCE476SF6DC	47UF MVG 16V M
C251	OCE476SF6DC	47UF MVG 16V M	C438	OCE106SF6DC	10UF MVG 16V 20%
C252	OCE476SF6DC	47UF MVG 16V M	C439	OCE106SF6DC	10UF MVG 16V 20%
C253	OCE476SF6DC	47UF MVG 16V M	C440	OCE106SF6DC	10UF MVG 16V 20%
C254	OCE476SF6DC	47UF MVG 16V M	C441	OCE106SF6DC	10UF MVG 16V 20%
C255	OCE476SF6DC	47UF MVG 16V M	C443	OCE476SF6DC	47UF MVG 16V M
C260	OCE476SF6DC	47UF MVG 16V M	C446	OCE476SF6DC	47UF MVG 16V M
C264	OCE107SF6DC	100UF MVG 16V M	C450	OCE106SF6DC	10UF MVG 16V 20%
C265	OCE107SF6DC	100UF MVG 16V M	C451	OCE106SF6DC	10UF MVG 16V 20%
C266	OCE107SF6DC	100UF MVG 16V M	C452	OCE106SF6DC	10UF MVG 16V 20%
C272	OCE476SF6DC	47UF MVG 16V M	C454	OCE106SF6DC	10UF MVG 16V 20%
C274	OCE226SF6DC	22UF MVG 16V 20%	C455	OCE106SF6DC	10UF MVG 16V 20%
C280	OCE335SK6DC	3.3UF MVG 50V 20%	C456	OCE106SF6DC	10UF MVG 16V 20%
C295	OCE335SK6DC	3.3UF MVG 50V 20%	C457	OCE106SF6DC	10UF MVG 16V 20%
C297	OCE107SF6DC	100UF MVG 16V M	C459	OCE106SF6DC	10UF MVG 16V 20%
C298	OCE106SF6DC	10UF MVG 16V 20%	C460	OCE107SF6DC	100UF MVG 16V M
C299	OCE106SF6DC	10UF MVG 16V 20%	C465	OCE107SF6DC	100UF MVG 16V M
C304	OCE476SF6DC	47UF MVG 16V M	C471	OCE105SK6DC	1UF MVG 50V M
C308	OCE105SK6DC	1UF MVG 50V M	C475	OCE477SF6DC	470UF MVG 16V 20%
C309	OCE476SF6DC	47UF MVG 16V M	C476	OCE105SK6DC	1UF MVG 50V M
C310	OCE476SF6DC	47UF MVG 16V M	C483	OCE107SF6DC	100UF MVG 16V M
C312	OCE226SF6DC	22UF MVG 16V 20%	C492	OCE105SK6DC	1UF MVG 50V M
C315	OCE476VK6DC	47UF MVG 50V 20%	C504	OCE476VK6DC	47UF MVG 50V 20%
C319	OCE476SF6DC	47UF MVG 16V M	C508	OCE476SF6DC	47UF MVG 16V M
C325	OCE476VK6DC	47UF MVG 50V 20%	C513	OCE226SF6DC	22UF MVG 16V 20%
C326	OCE476SF6DC	47UF MVG 16V M	C519	OCE106SF6DC	10UF MVG 16V 20%
C329	OCE476SF6DC	47UF MVG 16V M	C522	OCE226SF6DC	22UF MVG 16V 20%
C334	OCE335SK6DC	3.3UF MVG 50V 20%	C526	OCE106SF6DC	10UF MVG 16V 20%
C336	OCE225VK6DC	2.2UF MVG 50V 20%	C527	OCE476SF6DC	47UF MVG 16V M
C338	OCE476SF6DC	47UF MVG 16V M	C529	OCE106SF6DC	10UF MVG 16V 20%
C343	OCE335SK6DC	3.3UF MVG 50V 20%	C530	OCE106SF6DC	10UF MVG 16V 20%
C345	OCE225VK6DC	2.2UF MVG 50V 20%	C531	OCE106SF6DC	10UF MVG 16V 20%
C348	OCE476SF6DC	47UF MVG 16V M	C532	OCE335SK6DC	3.3UF MVG 50V 20%
C351	OCE477SF6DC	470UF MVG 16V 20%	C532	OCE106SF6DC	10UF MVG 16V 20%
C357	OCE476SF6DC	47UF MVG 16V M	C533	OCE106SF6DC	10UF MVG 16V 20%
C367	OCE105SK6DC	1UF MVG 50V M	C534	OCE225VK6DC	2.2UF MVG 50V 20%
C380	OCE226SF6DC	22UF MVG 16V 20%	C534	OCE226SF6DC	22UF MVG 16V 20%
C383	OCE476SF6DC	47UF MVG 16V M	C535	OCE226SF6DC	22UF MVG 16V 20%
C400	OCE106SF6DC	10UF MVG 16V 20%	C536	OCE226SF6DC	22UF MVG 16V 20%
C403	OCE226SF6DC	22UF MVG 16V 20%	C537	OCE477SF6DC	470UF MVG 16V 20%
C406	OCE226SF6DC	22UF MVG 16V 20%	C538	OCE476SF6DC	47UF MVG 16V M
C410	OCE226SF6DC	22UF MVG 16V 20%	C539	OCE107SF6DC	100UF MVG 16V M
C411	OCE476SF6DC	47UF MVG 16V M	C540	OCEK823DK56A	82000PF 2012 50V 10%
C412	OCE105SK6DC	1UF MVG 50V M	C542	OCE226SF6DC	22UF MVG 16V 20%
C412	OCE106SF6DC	10UF MVG 16V 20%	C543	OCE226SF6DC	22UF MVG 16V 20%
C413	OCE106SF6DC	10UF MVG 16V 20%	C544	OCE226SF6DC	22UF MVG 16V 20%
C414	OCE106SF6DC	10UF MVG 16V 20%	C545	OCE226SF6DC	22UF MVG 16V 20%
C415	OCE226SF6DC	22UF MVG 16V 20%	C568	OCE106SF6DC	10UF MVG 16V 20%
C418	OCE476SF6DC	47UF MVG 16V M	C570	OCE106SF6DC	10UF MVG 16V 20%
C420	OCE476SF6DC	47UF MVG 16V M	C573	OCE226SF6DC	22UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C574	0CE226SF6DC	22UF MVG 16V 20%	L1201	6140VB0004B	COIL,CHOKE 26UH
C612	0CK684DF56A	0.68UF 2012 16V 10%	L1202	6140VB0004B	COIL,CHOKE 26UH
C613	0CK684DF56A	0.68UF 2012 16V 10%	L1203	6140VB0004B	COIL,CHOKE 26UH
C614	0CE106SF6DC	10UF MVG 16V 20%	L1204	6140VB0004B	COIL,CHOKE 26UH
C615	0CE106SF6DC	10UF MVG 16V 20%	L201	6140VB0004B	COIL,CHOKE 26UH
C616	0CK474DH56A	0.47UF 2012 25V 10%	L202	6140VB0004B	COIL,CHOKE 26UH
C620	0CE226SF6DC	22UF MVG 16V 20%	L203	6140VB0004B	COIL,CHOKE 26UH
C621	0CE226SF6DC	22UF MVG 16V 20%	L204	6140VB0004B	COIL,CHOKE 26UH
C622	0CE226SF6DC	22UF MVG 16V 20%	L221	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
C623	0CE226SF6DC	22UF MVG 16V 20%	L222	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
C624	0CE226SF6DC	22UF MVG 16V 20%	L223	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
C625	0CE226SF6DC	22UF MVG 16V 20%	L224	6140VB0024A	COIL,CHOKE LPK-1322A 22UH +-10%
C727	0CE226SF6DC	22UF MVG 16V 20%	L308	6140VR0006A	COIL,100UH(+15%), SP4532-101
C728	0CE226SF6DC	22UF MVG 16V 20%	L309	6140VR0006A	COIL,100UH(+15%), SP4532-101
C731	0CE476SF6DC	47UF MVG 16V M	L314	6140VR0006A	COIL,100UH(+15%), SP4532-101
C732	0CE476SF6DC	47UF MVG 16V M	L315	6140VR0006A	COIL,100UH(+15%), SP4532-101
C802	0CE106SH6DC	10UF MVG 25V M	L506	6140VR0006A	COIL,100UH(+15%), SP4532-101
C812	0CE107SF6DC	100UF MVG 16V M	L507	6140VR0006A	COIL,100UH(+15%), SP4532-101
C814	0CE107SF6DC	100UF MVG 16V M	CONNECTOR		
C818	0CE226SF6DC	22UF MVG 16V 20%	JK400	6630VGA001C	CONNECTOR,D-SUB 15PIN 2.29MM
C819	0CE226SF6DC	22UF MVG 16V 20%	P1100	6630SD01304	CONNECTOR,USB 4P 0.8MM
C822	0CE226SF6DC	22UF MVG 16V 20%	P1101	6630SD01304	CONNECTOR,USB 4P 0.8MM
C823	0CE226SF6DC	22UF MVG 16V 20%	P201	6630VGA004B	CONNECTOR,D-SUB 9P 2.77MM
C832	0CE476SF6DC	47UF MVG 16V M	RESISTOR		
C833	0CE476SF6DC	47UF MVG 16V M	AR100	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C912	0CE105SK6DC	1UF MVG 50V M	AR101	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C914	0CE105SK6DC	1UF MVG 50V M	AR102	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C917	0CE476SF6DC	47UF MVG 16V M	AR103	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C920	0CE476SF6DC	47UF MVG 16V M	AR104	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C921	0CE477SF6DC	470UF MVG 16V 20%	AR105	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C942	0CE106SF6DC	10UF MVG 16V 20%	AR106	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C946	0CE106SF6DC	10UF MVG 16V 20%	AR107	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
C949	0CE106SF6DC	10UF MVG 16V 20%	AR108	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
JACK			AR200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
J800	6612BBBHN4A	JACK,DIN TOTX179	AR201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
J801	6612BBBHN4B	JACK,DIN TORX179	AR202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
J802	6612BBBHN4B	JACK,DIN TORX179	AR203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
JK100	6612VJH020B	JACK,RCA PPJ122B 6P	AR300	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
JK101	380-363G	JACK,DIN 6046B-01S	AR300	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
JK103	6613V00026A	JACK ASSEMBLY,UJB-03-28A	AR301	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
JK200	6612VJH019B	JACK,RCA PPJ121B 4P	AR301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
JK201	380-068E	JACK,PHONE UEJ-CV-018	AR302	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
JK401	6612VJH020C	JACK,RCA PPJ122C 6P	AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
JK402	380-068E	JACK,PHONE UEJ-CV-018	AR303	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
P1003	6612F00055B	JACK,PHONE UEJ-CV-031	AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
P501	6612B00015A	JACK,DIN DC1R019NDA	AR304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
COIL			AR305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
CH1100	6140VB0021A	COIL,CHOKE 944CM-0004=P3	AR500	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
CH1101	6140VB0021A	COIL,CHOKE 944CM-0004=P3	AR501	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
AR502	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	SW007	140-315A	SWITCH,TACT SKHV17910B 12V
AR503	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	SW100	6600VR1004A	SWITCH,TACT SKHMPW 5P
AR504	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	FILTER & CRYSTAL		
AR505	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	FL1001	6200VJT001A	FILTER,EMC BMK400 50VOLT 1A
AR506	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC102	6200C000010	FILTER,B.P. H354LAI-K5202
AR507	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC103	6200C000010	FILTER,B.P. H354LAI-K5202
AR508	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC104	6200C000009	FILTER,B.P. H354LAI-K5225
AR509	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC105	6200C000009	FILTER,B.P. H354LAI-K5225
AR510	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC502	6200QL3002E	FILTER,SAW X9650M 44MHZ 5PIN
AR511	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC505	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
AR600	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC506	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
AR601	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC507	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSK-K5216 38MHZ
AR602	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC602	6200C000012	FILTER,B.P. TH355LSK-K5218
AR603	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC603	6200C000012	FILTER,B.P. TH355LSK-K5218
AR604	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC604	6200C000012	FILTER,B.P. TH355LSK-K5218
AR605	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	IC605	6200C000012	FILTER,B.P. TH355LSK-K5218
AR701	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1002	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR702	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1003	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR703	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1004	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR704	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1005	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR705	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR706	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR908	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR909	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR910	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR911	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L104	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR914	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR915	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L1206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR916	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L200	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR917	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L201	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR919	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L202	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR920	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L203	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR921	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L204	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
AR924	ORRZVTA001D	22 OHM 1 / 16 W 1608 5%	L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R1202	ORD0392A609	39 OHM 1/2 W(7.0) 5.00%	L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R1218	ORS0202K607	20 OHM 2 W 5.00%	L206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R413	ORN1002F409	10K OHM 1/6 W 1.00%	L207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R801	ORKZVTA001L	1.0M OHM 1/2 W 5%	L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
R802	ORKZVTA001L	1.0M OHM 1/2 W 5%	L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SWITCH			L209	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW001	140-315A	SWITCH,TACT SKHV17910B 12V	L210	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L211	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L212	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L213	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L214	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L215	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
SW006	140-315A	SWITCH,TACT SKHV17910B 12V	L220	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
			L227	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L228	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L908	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L229	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L909	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L230	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L911	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L231	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R102	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
L232	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R103	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
L233	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R106	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
L300	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R107	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
L301	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R108	6200JB8010L	FILTER,EMC MLB-201209-1000L-N2
L302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X100	6212AB2015B	RESONATOR,CRYSTAL HC-49/SM5H 20MHZ
L310	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X1001	6212AB2015E	RESONATOR,CRYSTAL HC-49/SM 10.0MHZ
L311	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X1002	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ
L312	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X1101	6212AB2806A	RESONATOR,CRYSTAL SX-1 24.576MHZ
L313	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X200	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ
L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X400	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ
L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X401	6202VDT002D	RESONATOR,CRYSTAL SX-1SMD 8.0MHZ
L402	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X600	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
L403	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X601	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
L404	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	X900	6212AC2001D	RESONATOR,CRYSTAL HC-49/SM 14MHZ
MISCELLANEOUS					
F801	0FS1002B53K	FUSE,SLOW BLOW 10000MA 250V	TU301	6700NFNS04F	TUNER,TDVL-H751P
TU302	6700NF0010B	TUNER,TAFM-H502P	TU500	6700NC0001B	TUNER,TAEU-H018P
X100	6204B47985L	OSCILLATOR,SCO-103 33.33HZ	X1100	6204B47985M	OSCILLATOR,SCO-103 13.5MHZ
X201	6204B47985K	OSCILLATOR,BMS-873R 25MHZ	X302	6204B47985K	OSCILLATOR,BMS-873R 25MHZ
X400	6204B60001B	OSCILLATOR,27MHZ +/- 100 PPM 3.3V			
ACCESSORIES					
A1	3828VA0479E	MANUAL,OWNERS AF044P	A2	6710V00116Y	REMOTE CONTROLLER
A3	6410VUH005A	POWER CORD,PS204 125V/13A 2800MM	A4	6851V00019A	CABLE ASSEMBLY,RF CONN CABLE ASSY
A5	6851V00023B	CABLE ASSEMBLY,3000MM 2PICE G-LINK IR 2P	A7	4810V00509A	BRACKET,WALL AP-40/42DA10



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