# *PS976D*

# *Service Manual*

# TABLE OF CONTENTS

# WARNING

To prevent from fire or shock hazard,do not expose monitor to any rain or any form of water.High voltage is inside the monitor so please do not remove the back cover of the cabinet if you are not a qualified monitor engineer.Contact the local dealer or the nearest **Proview** branch office if you need help.

# A. IMPORTANT SAFETY INSTRUCTION

Prior to using this service manual,please ensure that you have carefully followed all the procedures outlined in the user's manual for this product.

**1.** Read all of these instructions.
**2.** Save these instructions.
**3.** Follow all warnings and instructions a marked on the product.
**4.** Unplug this product from the wall outlet before cleaning.Do not use liquid cleaners or aerosol cleaners, use a damp cloth for cleaning.
**5.** Do not use this product near water.
**6.** Do not place this product on an unstable cart,stand or tablle.The product may fall,causing serious damage to the product.
**7.** Slots and openings in the cabinet and the back or bottom are provided for ventilation,to ensure reliable operation of the product and to protect it from overheating,those openings must not be blocked or covered.The openings should never be blocked by placing the product on a bed,sofa, rug, or other similar surface.This product should not be placed in a built-in installation less proper ventilation is provided.
**8.** This products should be operated from the type of power source indicated on the marketin label. If you are not sure of the type of power available, consult your dealer or local power company
**9.** This product is equipped with a 3-wire grounding type plug,a plug having a third (grounding) pin.This plug will only fit into a grounding-type power outlet.This is a safety feature,if you are unable to insert the plug into the outlet,contact your electrician to replace your obsolete outlet.Do not defeat the purpose of the grounding-type plug.
**10.** Do not allow anything to rest on the power cord.Do not locate this product where persons will walk on the cord.
**11.** If an extension cord is used with this product,make sure that the total of the ampere ratings on the product plugged into the extension cord to the waplugged into outlet does not exceed 15 ampere.
**12.** Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.Never spill liquid of any kind on the product.
**13.** Do not attempt to service this product yourself,as opening or removing covers may expose you to dangerous voltage points or other risks.Refer all servicing to service personnel.
**14.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
   **a.** When the power cord or plug is damaged or frayed.
   **b.** If liquid has been spilled into the product.
   **c.** If the product has been exposed to rain or water.
   **d.** If the product does not operate normally,when the operating instructions are followed.Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extension work by a qualified technician to restore the product to normal operation.
   **e.** If the product has been dropped or the cabinet has been damaged.
   **f.** If the product exhibits a distinct change in performance,indicating a need for service.

# B. INSTALLATION

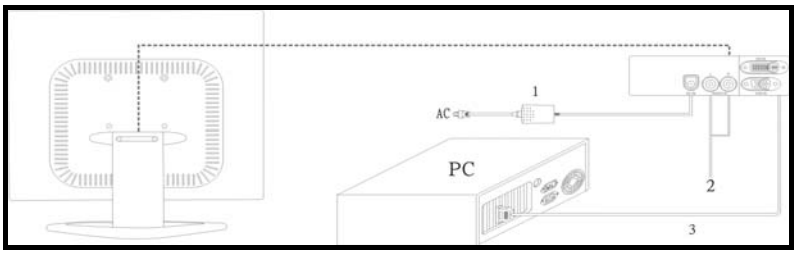
## B-1 Install the pedestal

To attach the base to your monitor, please following the steps for installation of the pedestal as below :

Step 1 Step 2 Step 3

## B-2 Connect your monitor to computer

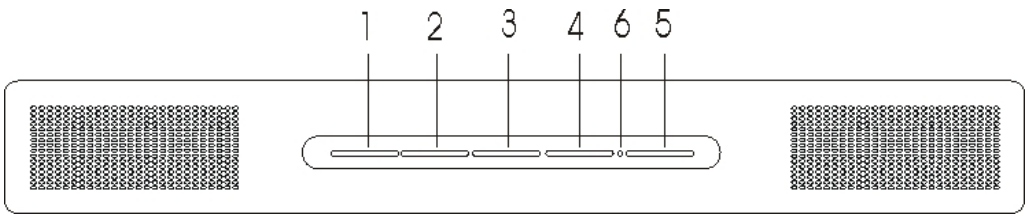
1. Turn off your computer and unplug its power cable.
2. Connect the power cable for your monitor to the DC adapter and connect the adapter to the DC power jack on the back of your monitor.
   NOTE : You must use the supplied power adapter.
3. Connect the AUDIO IN jack to RCA audio in for DVD or VTR.
4. Connect the DVI (Optional) or D-Sub 15Pin signal cable to the video port on the back of your computer.
5. Plug the computer and monitor power cables into a nearby outlet.
6. Turn your computer and monitor on, if your monitor display an image, you have successfully installed the monitor. If the monitor does not display an image, check all the connections and report steps 1-5 above.




Connecting the monitor to the computer and the power supply

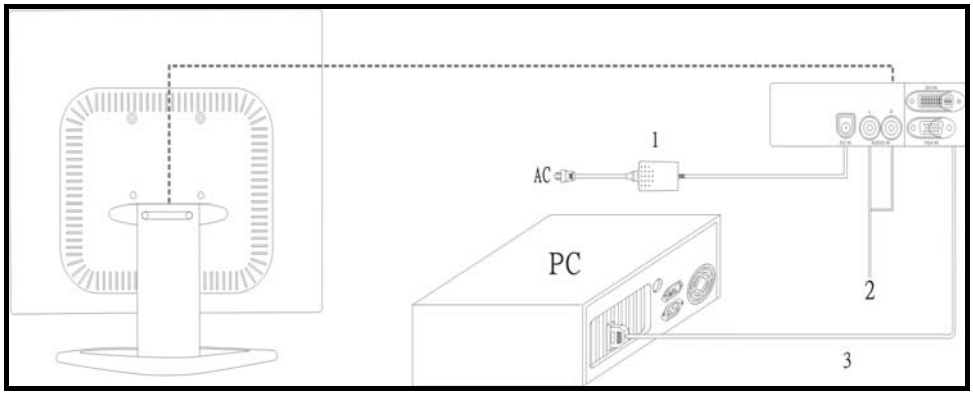
# C. CONTROL LOCATION

## Font control panel




1. Menu button (MENU)4. Auto button (AUTO)
2. Select button (DOWN)
5. Power button (POWER)
3. Select button (UP)
6. Power Indicator

## Rear panel




The rear panel of the monitor includes 3 plug-in connectors. They are as follows:

1. One DC IN connector
2. Two Audio Signal jack
3. Two VGA Signal (DVI / D-sub) IN connectors

# D. OPERATION Direct – Access Features

## D-1 Power ON/OFF Switch

This button is used to turn the monitor ON and OFF.

**NOTE :** The ON/OFF switch does not disconnect the device from the main voltage. To disconnect the mains voltage completely, please remove the power plug from the socket.

## D-2 Power indicator

This indicator lights up green when the monitor operates normally. If the monitor is in power saving mode, this indicator change to amber. When monitor is turn off, this indicator change to dark.

## D-3 Auto

Press AUTO button and release the auto adjust display mode will tune to the utmost performance according to VGA setting.

## D-4 Volume

This feature adjust the DOWN button to decrease the volume and adjust UP button to increase the volume.

## D-5 Menu Features

The following features can all be accessed using your monitor on screen menu system. When finished making adjustments to a feature, push the exit button to turn off the menu.

Please follow the procedure of selection and adjust an item using the OSD system as below steps for main functions adjustment.

**Step 1.** Press Menu Button to activate the OSD menu.

**Step 2.** Press Select Button DOWN or Select Button UP to scroll through and highlight the main function list.

**Step 3.** When the desired function is highlight, press Menu Button a second time, the highlight will change to a sub-menu near main menu.

**Step 4.** Press Menu Button and release again. The highlight of adjusted items and scroll bar will change color from gray to blue.

**Step 5.** To make your adjustment, press DOWN counterclockwise to decrease or press UP clockwise to increase the setting.

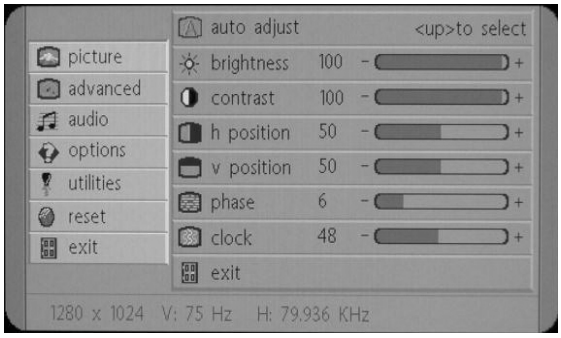
**Step 6.** Press and release Menu Button again to store the change.. The scroll bar will change color from blue to gray. You can select other functions to adjust by pressing DOWN or UP. You can also select the exit icon and press Menu Button to go back to the main menu.

**Step 7.** Report step 2 through 6 to make further adjustments.

## D-6 OSD menu

### Main menu

OSD main menu of controls gives you an overview of the selection of controls available. When you want to make adjustment of the screen image, press and release button Menu.




***Picture***

**1. Auto adjust**

Press **UP** button, auto adjust the display mode to its optional VGA performance setting.

**2. Brightness**

Adjust the overall image and background screen brightness.

**3. Contrast**

Adjust the image brightness in relation to the background.

**4. H position**
To move the picture image horizontally left or right.

**5. V position**
To move the picture image vertically up or down.

**6. Phase**
To improve focus clarity and image stability.

**7. Clock**
To increase or decrease the horizontal size of image.

**8. Exit**
To exit the menu.

***Advanced***

**1. Sharpness**
Adjusts the picture sharpness.

**2. Color**
You have 4 color options.

**Cool**
This control adjusts the color temperature of the screen image. This item is preset by the factory and can not be adjusted by the user. The performance is bluer and brighter.

**Natural**
This performance is reddish and closer to paper white.

**Warm**
The performance is yellowish and closer to paper white

**User**
You can adjust the individual color intensity to meet your personal needs.

**User red**
Increase or decrease red.

**User green**
Increase or decrease green.

**User blue**
Increase or decrease blue.

**Exit**
To exit the main menu.

***Audio***

**1. Volume**
DOWN to decrease volume, and UP to increase volume.

**2. Mute**
Choose this feature to mute the sound on or off.

**3. Exit**
To exit the main menu.

***Options***

**1. OSD**
To move the OSD image.

**2. OSD H position**
To move the OSD image horizontally left or right.

**3. OSD V position**
To move the OSD image vertically up or down.

**4. Language**

You can choose one of the nine languages.

**5. Exit**
To exit the main menu.

**Utilities**

**1. OSD timeout**
You can select how long the monitor waits after the last adjust of the key to shut off the OSD menu. The time setting choices are from 5 to 60 seconds.

**2. OSD background**

You can select **opaque** or **translucent** to change OSD background.

**3. Source icon**

You can select **on** or **off** to display OSD icon.

**4. Exit**

To exit the main menu.

**Reset**

**1. Memory recall**

Reset the currently highlight control to the factory setting. User must be using factory preset video mode to use this function.

**2. Exit**

To exit the main menu.

***Exit***

To exit the OSD menu.

## D-7 Self test pattern

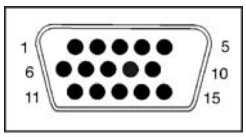
When the computer's video signal is not reaching the monitor, the monitor will display a self test pattern.


## D-8 Safety protection

When the frequency of the video signal from your computer is out of range, the monitor will protect by itself and a warning OSD message will appear on the screen.

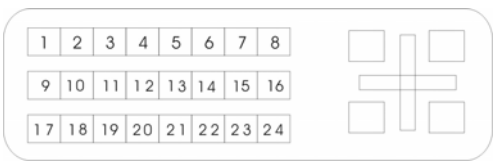
# E. SPECIFICATIONS

| | | |
|---|---|---|
| **1.** Maximum Resolution | | 1280 x 1024 @ 75Hz |
| **2.** Recommend Resolution | | 1280 x 1024 @ 60Hz |
| **3.** Synchronization Range | Horizontal<br>Vertical | 31 – 80 KHz<br>60– 75 Hz |
| **4.** Active Display Area | | 376mm (H) x 301mm (V) |
| **5.** Dot Pitch | | 0.294(H) x 0.294(V) mm |
| **6.** Support display colors | | 16.7M color |
| **7.** Contrast Ratio (Typical) | | 600 |
| **8.** Luminance of White | | 250cd/m² |
| **9.** Bandwidth | | 135MHz |
| **10.** User Control | | 4 Key Switch |
| **11.** OSD Function | | Brightness, Conrast, H-Pos, V-Pos, H. Size, Phase,<br>Color Select, Auto, Reset, Language, OSD Adjust, Exit |
| **12.** View Angle CR=5 | Horizontal<br>Vertical | 85 , 85 Degrees<br>85 , 85 Degrees |
| **13.** Power Source | | 100 – 240 Vac 60 / 50 Hz |
| **14.** Power Consumption | | 60W (max.) |
| **15.** Connection Type | | 15 Pin D Type / DVI |
| **16.** Input Signal | Video<br>Sync. | Analog R.G.B. , 0.7Vp-p / 75 Ohms<br>TTL level,positive or negative polarity |
| **17.** Color Temperature | | Cool / Natural / Warm |
| **18.** Dimension (WxHxD) | Packing<br>Set | 484mm x 500mm x 150mm<br>420mm x 428mm x 170mm |
| **19.** Monitor Weight | | 7.3Kg / 6.1Kg |
| **20.** Base Operation | Tilt | 0 / + 15 degree |
| **21.** Power Saving | ON<br>STAND BY<br>OFF | < 60W<br>< 5W<br>< 5W |
| **22.** Signal Connector Pin Assignment | | **D-Sub Signal connector PIN assignment** |




| PIN | Signal | PIN | Signal |
|---|---|---|---|
| 1. | Red | 9. | VDD from PC for DDC |
| 2. | Green | 10. | Sync. Ground |
| 3. | Blue | 11. | Ground |
| 4. | Ground | 12. | SDA (For DDC) |
| 5. | Self Test | 13. | Horizontal Sync. |
| 6. | Red Ground | 14. | Vertical Sync. |
| 7. | Green Ground | 15. | SCL (For DDC) |
| 8. | Blue Ground | | |

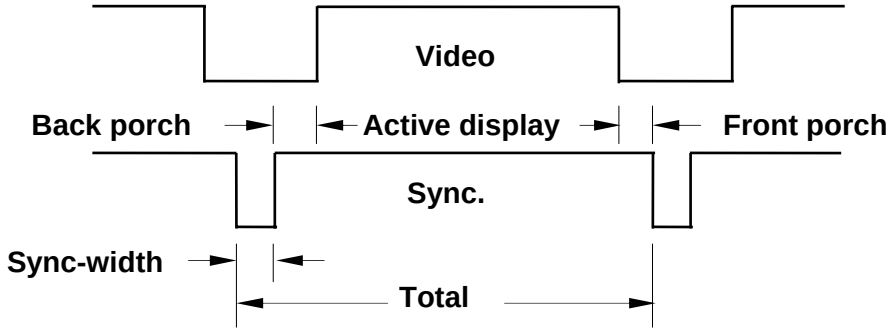
**DVI Signal connector PIN assignment**




| PIN | Signal | PIN | |
|---|---|---|---|
| 1. | TMDS Data 2- | 13. | TMDS Data 3+ |
| 2. | TMDS Data 2+ | 14. | +5V Power |
| 3. | TMDS Data 2/4 shield | 15. | Ground |
| 4. | TMDS Data 4- | 16. | Hot Plug Detect |
| 5. | TMDS Data 4+ | 17. | TMDS Data 0- |
| 6. | DDC Clock | 18. | TMDS Data 0+ |
| 7. | DDC Data | 19. | TMDS Data 0/5 shield |
| 8. | Analogy V. sync. | 20. | TMDS Data 5- |
| 9. | TMDS Data 1- | 21. | TMDS Data 5+ |
| 10. | TMDS Data 1+ | 22. | Clock shield |
| 11. | TMDS Data 1/3 shield | 23. | Clock+ |
| 12. | TMDS Data 3- | 24. | Clock- |

| | | |
|---|---|---|
| **23.** Audio signal | | 3.5Φ stereo phone jack<br>2.5+2.5W 8Ω Speaker |

# F. TIMING CHART

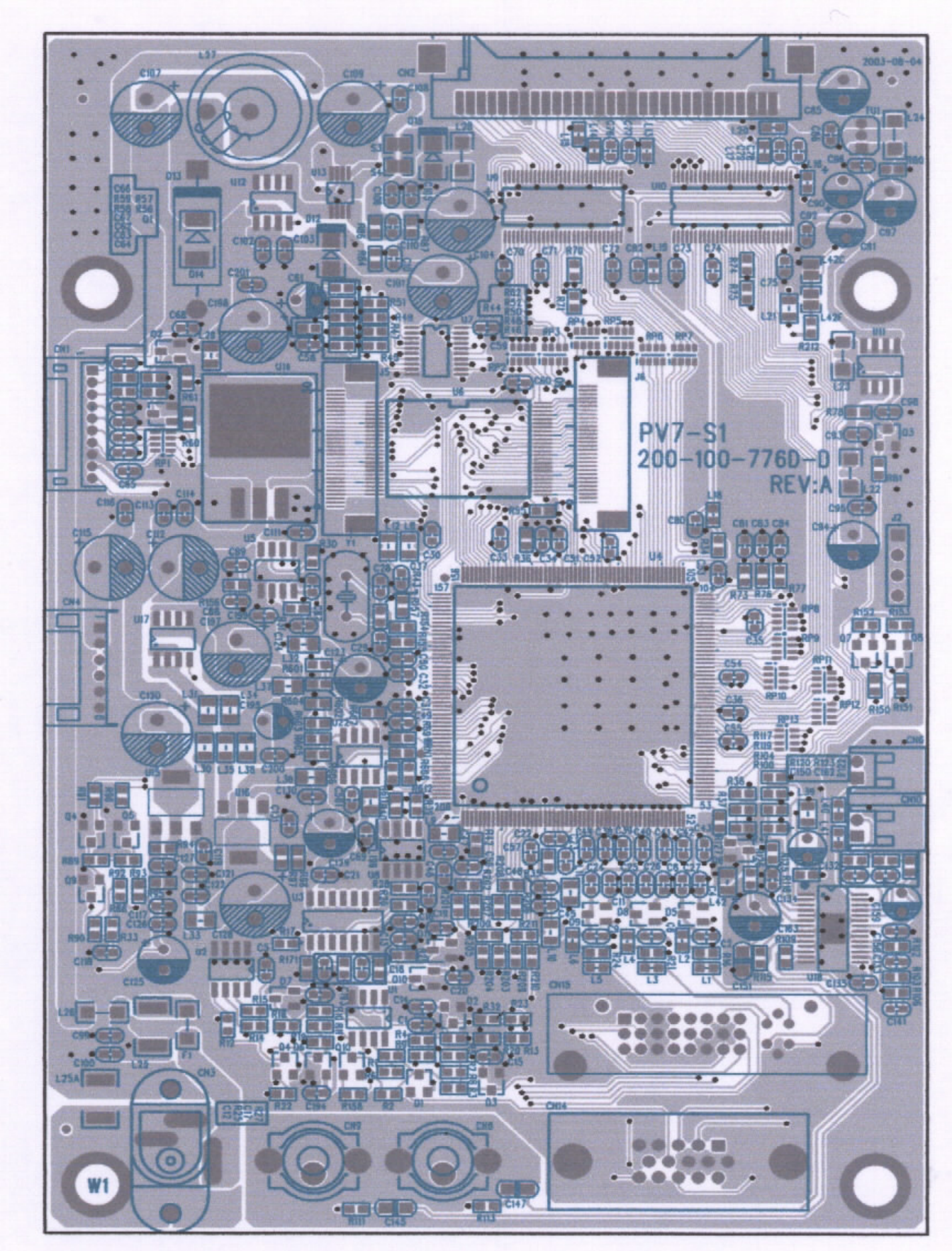



| Preset / Modes | VGA 720X400 | VGA 640X480 | VESA 640X480 | VESA 640X480 | VESA 800X600 | VESA 800X600 | VESA 800X600 |
|---|---|---|---|---|---|---|---|
| **Pixel clock (MHz)** | 28.325 | 25.175 | 31.500 | 31.500 | 36.000 | 40.000 | 50.000 |
| **H-Frequency (KHz)** | **31.472** | **31.469** | **37.861** | **37.500** | **35.156** | **37.879** | **48.077** |
| **H-Total (μs)** | 31.774 | 31.778 | 26.413 | 26.667 | 28.444 | 26.400 | 20.800 |
| **H-Active Display (μs)** | 25.419 | 25.422 | 20.317 | 20.317 | 22.222 | 20.000 | 16.000 |
| **H-Blanking (μs)** | 6.355 | 6.356 | 6.095 | 6.349 | 6.222 | 6.400 | 4.800 |
| **Front Porch (μs)** | 0.635 | 0.636 | 0.762 | 0.508 | 0.667 | 1.000 | 1.120 |
| **H-Sync-width (μs)** | 3.813 | 3.813 | 1.270 | 2.032 | 2.000 | 3.200 | 2.400 |
| **H-Back Porch (μs)** | 1.906 | 1.907 | 4.063 | 3.810 | 3.556 | 2.200 | 1.280 |
| **V-Frequency (Hz)** | **70.1** | **59.94** | **72.81** | **75.0** | **56.25** | **60.3** | **72.2** |
| **V-Total (ms)** | 14.267 | 16.683 | 13.735 | 13.333 | 17.778 | 16.579 | 13.853 |
| **V-Active Display (ms)** | 12.710 | 15.253 | 12.678 | 12.800 | 17.067 | 15.840 | 12.480 |
| **V-Blanking (ms)** | 1.557 | 1.430 | 1.057 | 0.533 | 0.711 | 0.739 | 1.373 |
| **V-Front Porch (ms)** | 0.413 | 0.318 | 0.238 | 0.027 | 0.028 | 0.026 | 0.770 |
| **V-Sync-width (ms)** | 0.064 | 0.064 | 0.079 | 0.080 | 0.057 | 0.106 | 0.125 |
| **V-Back Porch (ms)** | 1.080 | 1.049 | 0.740 | 0.427 | 0.626 | 0.607 | 0.478 |
| **H/V Sync. Polarity** | − + | − − | − − | − − | + + | + + | + + |
| **Interlace** | NONE | NONE | NONE | NONE | NONE | NONE | NONE |

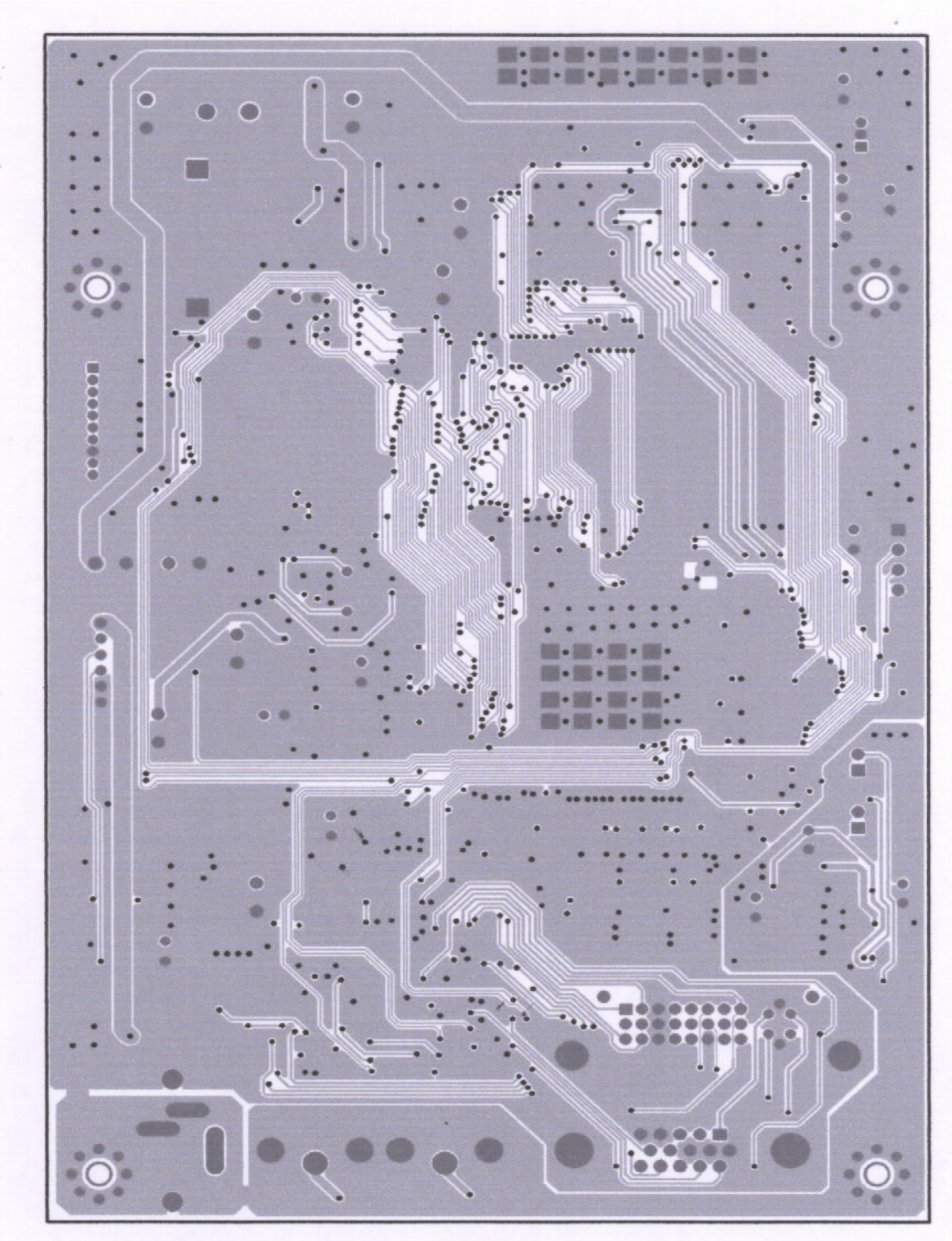
| Preset / Modes | VESA 800X600 | VESA 1024X768 | VESA 1024X768 | VESA 1024X768 | VESA 1280X1024 | VESA 1280X1024 |
|---|---|---|---|---|---|---|
| **Pixel clock (MHz)** | 49.500 | 65.000 | 75.000 | 78.750 | 108.00 | 135.00 |
| **H-Frequency (KHz)** | **46.875** | **48.363** | **56.476** | **60.023** | **63.981** | **79.976** |
| **H-Total (μs)** | 21.333 | 20.677 | 17.707 | 16.660 | 15.630 | 12.540 |
| **H-Active Display (μs)** | 16.162 | 15.754 | 13.563 | 13.003 | 11.852 | 9.481 |
| **H-Blanking (μs)** | 5.172 | 4.923 | 4.053 | 3.657 | 3.778 | 3.022 |
| **Front Porch (μs)** | 0.323 | 0.369 | 0.320 | 0.203 | 0.444 | 0.119 |
| **H-Sync-width (μs)** | 1.616 | 2.092 | 1.813 | 1.219 | 1.037 | 1.067 |
| **H-Back Porch (μs)** | 3.232 | 2.462 | 1.920 | 2.235 | 2.296 | 1.837 |
| **V-Frequency (Hz)** | **75.0** | **60.0** | **70.1** | **75.0** | **60.0** | **75.0** |
| **V-Total (ms)** | 13.333 | 16.666 | 14.272 | 13.328 | 16.661 | 13.329 |
| **V-Active Display (ms)** | 12.800 | 15.880 | 13.599 | 12.795 | 16.005 | 12.804 |
| **V-Blanking (ms)** | 0.533 | 0.786 | 0.673 | 0.533 | 0.656 | 0.525 |
| **V-Front Porch (ms)** | 0.021 | 0.062 | 0.053 | 0.017 | 0.016 | 0.013 |
| **V-Sync-width (ms)** | 0.064 | 0.124 | 0.106 | 0.050 | 0.047 | 0.038 |
| **V-Back Porch (ms)** | 0.448 | 0.600 | 0.513 | 0.466 | 0.594 | 0.475 |
| **H/V Sync. Polarity** | + + | − − | − − | + + | + + | + + |
| **Interlace** | NONE | NONE | NONE | NONE | NONE | NONE |

# G. CONDUCTION VIEW

**MAIN BOARD (Component Side)**



**MAIN BOARD (Component Side)**

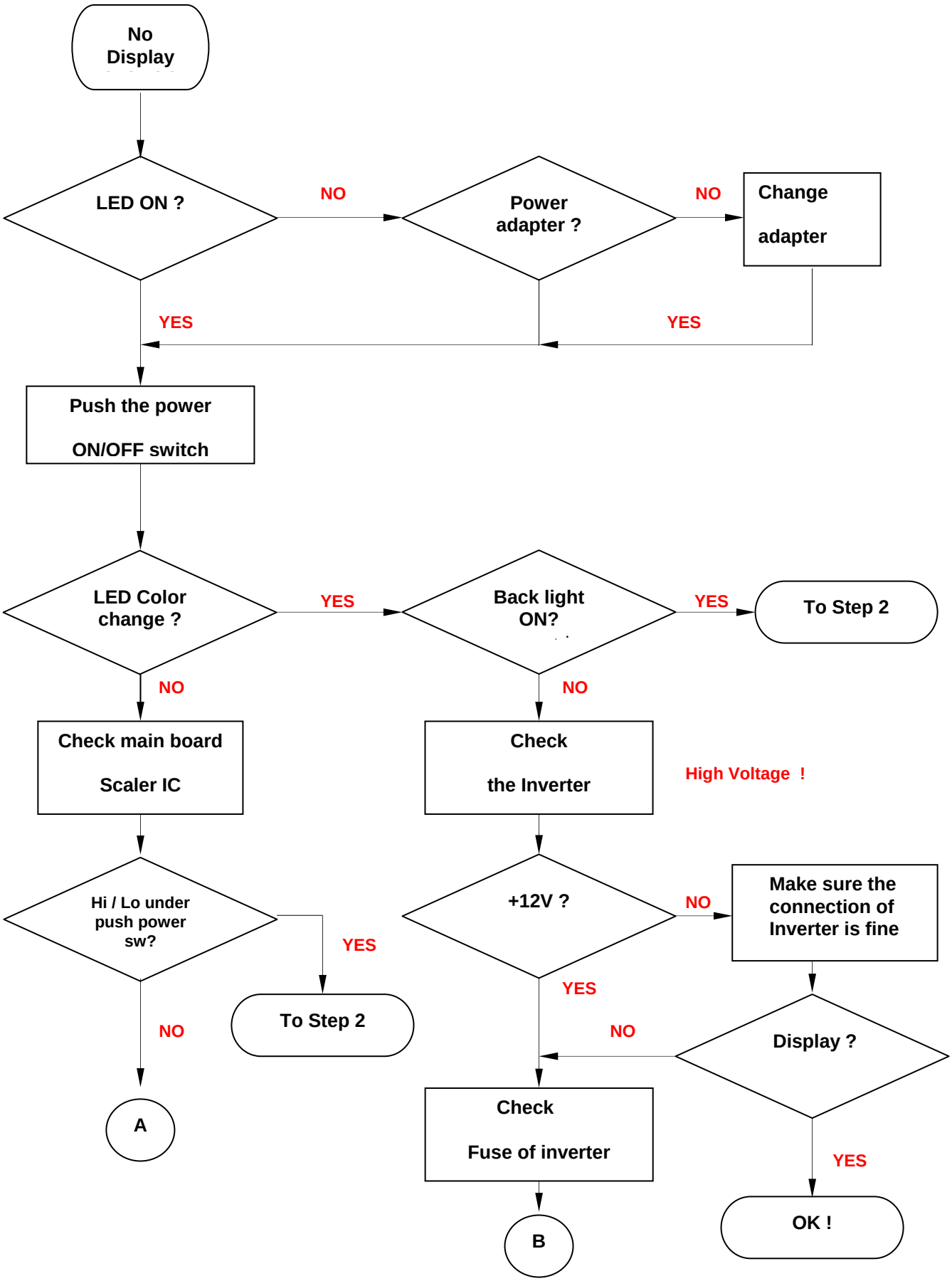


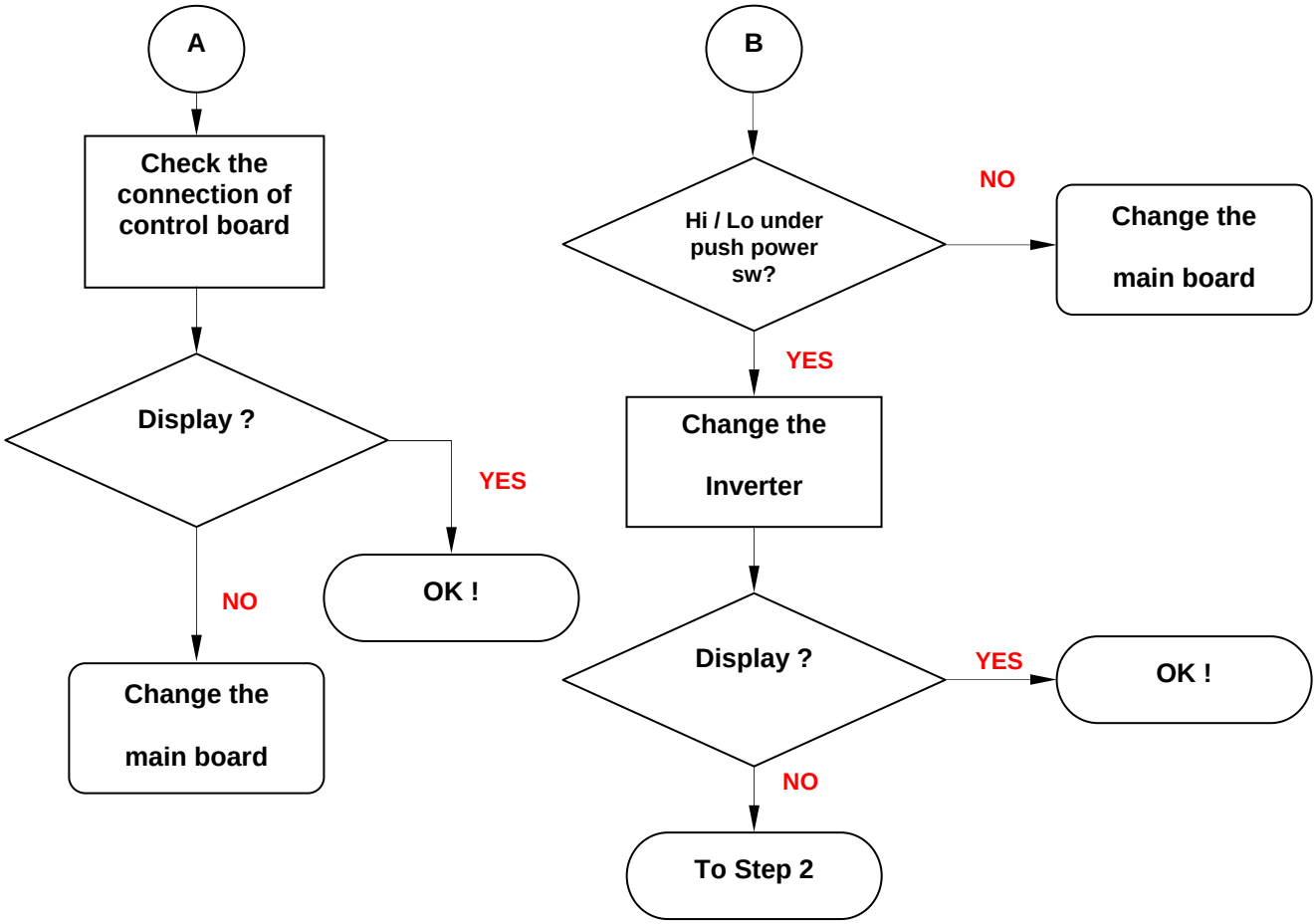
# INVERTER BOARD

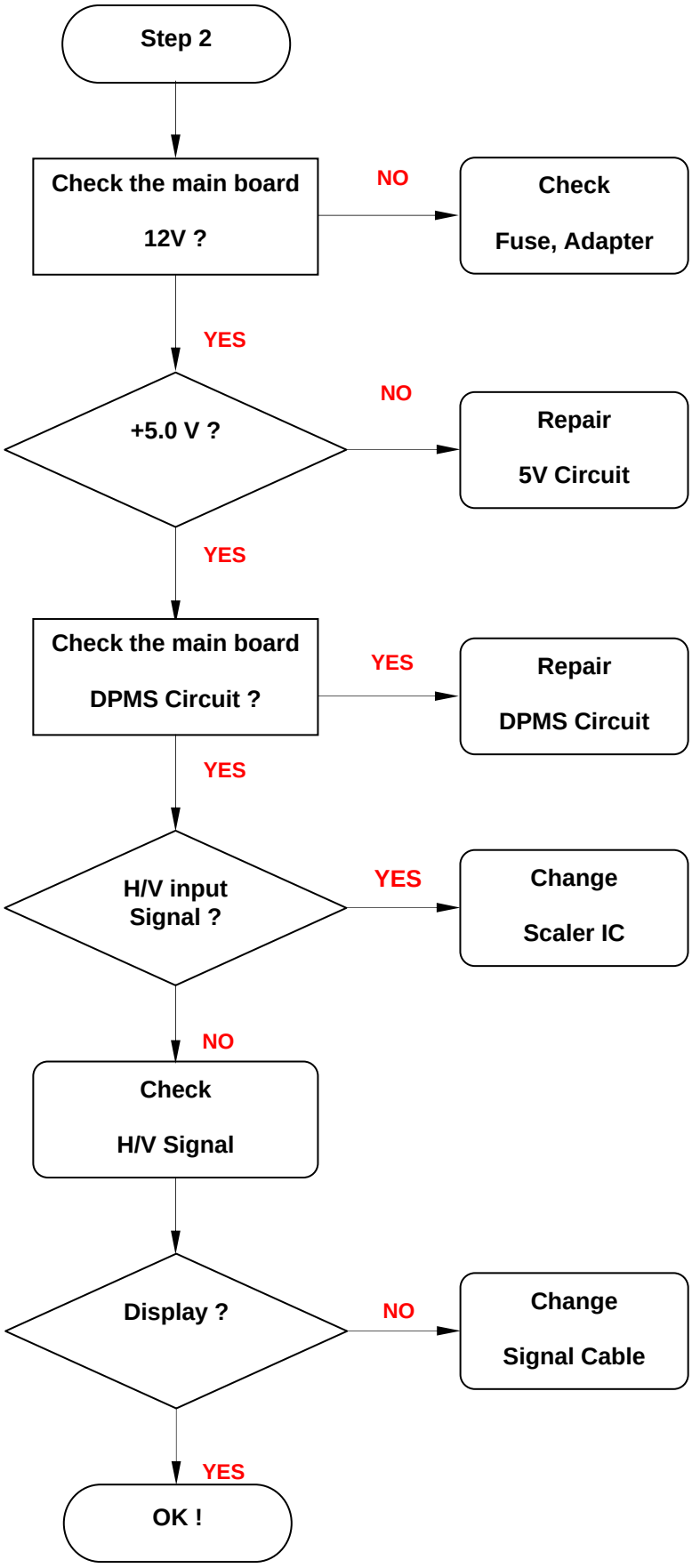
# H. ADJUSTMENT PROCEDURE

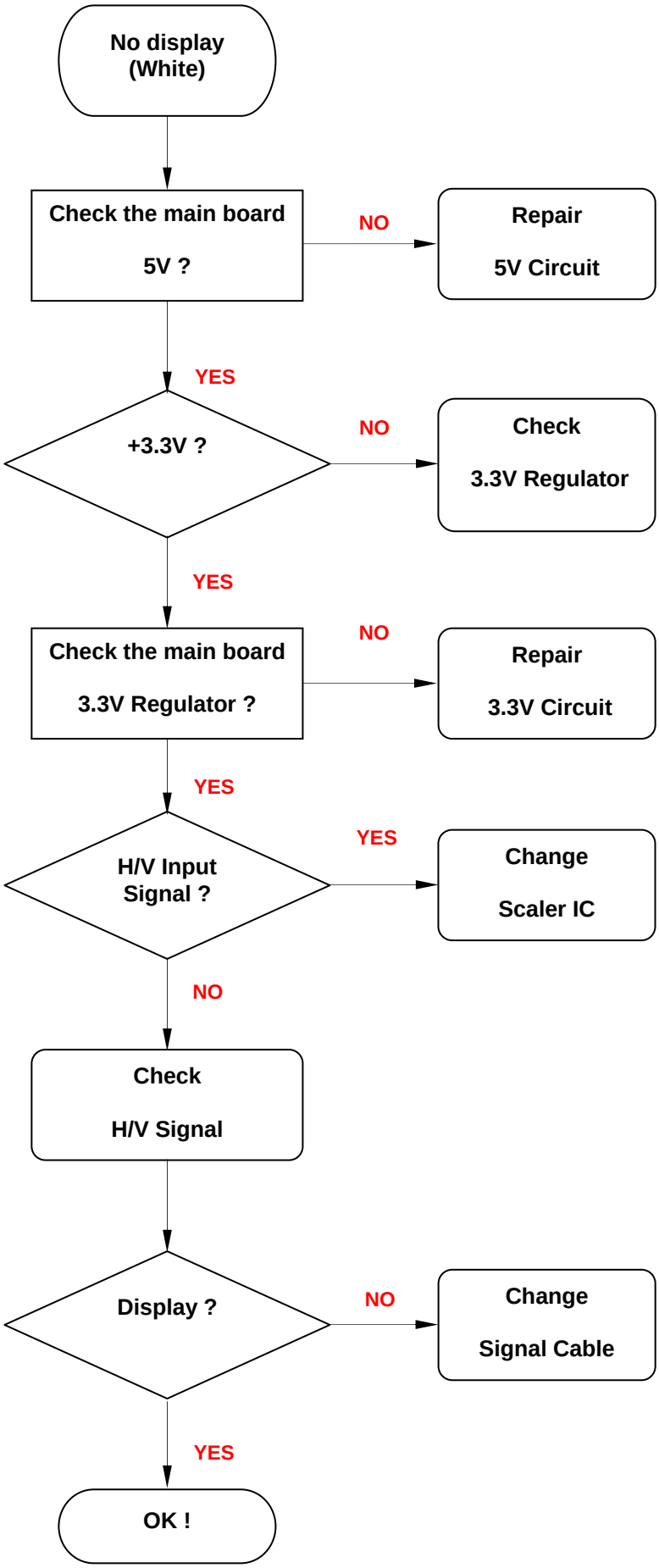
| Program Menu. \ ITEM | | ♯ Test Meter<br>∗ Test Point<br>@ Pattern | Operation | Check Value |
|---|---|---|---|---|
| A | **B+ Check** | ♯ Digital Voltmeter<br>∗ CN7<br>@ Crosshatch Pattern (31.5KHz,640x480) | **1.** Plug power cable into the adapter, check adapter power indicator light up green.<br>**2.** Make sure the voltage of the power plug (CN7) on the main PCB to the value shown at right. | 12.0V ±0.2V |
| B | **Power Saving Check** | ♯ Wattmeter<br>♯ PC or Pattern generator<br>@ Crosshatch Pattern (31.5KHz,640x480) | **1.** Unplug the signal cable into the monitor.<br>**2.** Turn the power switch of the monitor **ON**.<br>**3.** Check monitor power indicator light up orange.<br>**4.** Make sure the wattmeter value shown at right.<br>**5.** OSD will be display "**NO SIGNAL**" Picture. | < 2.5W |
| C | **Into Factory mode** | ♯ PC or Pattern generator<br>@ Crosshatch Pattern (31.5KHz,640x480) | **1.** Hold **‹** key,then turn the power switch of the monitor **OFF**.<br>**2.** Hold **›** key,then turn the power switch of the monitor **ON**.<br>**3.** You can into factory adjustment mode. | |
| D | **Auto mode Check** | ♯ PC or Pattern generator<br>@ Crosshatch Pattern (1024x768/60Hz) | **1.** Press and relese the **MENU** knob to activate the OSD menu.<br>**2.** Move the OSD to the **AUTO** function,press **MENU** key auto adjuat display mode to its utmost performance according to VGA setting.<br>**3.** In the event of the display image needs further adjustment | |
| E | **White Balance Adjust** | ♯ PC or Pattern generator<br>@ White Pattern (1024x768/60Hz) | **1.** Move the OSD to the **COLOR** mode (AUTO COLOR).<br>**2.** set color is **9300°K** using the OSD,Check the value shown at right.<br>**Y** = 220±0.1FL **x** = 0.283±0.01 **y** = 0.297±0.01<br>**3.** set color is **7500°K** using the OSD,Check the value shown at right.<br>**Y** = 220±0.1FL **x** = 0.299±0.01 **y** = 0.315±0.01<br>**4.** set color is **6500°K** using the OSD,Check the value shown at right.<br>**Y** = 220±0.1FL **x** = 0.313±0.01 **y** = 0.329±0.01 | |
| F | **OSD Language Setting** | ♯ PC or Pattern generator | **1.** Move the OSD to the **LANGUAGE** mode.<br>**2.** You can choose one of the eight language you need. | |

# I. TROUBLE SHOOTING HINTS




A
Check the connection of control board
Display ?
YES
OK !
NO
Change the main board
B
Hi / Lo under push power sw?
NO
Change the main board
YES
Change the Inverter
Display ?
YES
OK !
NO
To Step 2


Step 2
Check the main board
12V ?
NO
Check
Fuse, Adapter
YES
+5.0 V ?
NO
Repair
5V Circuit
YES
Check the main board
DPMS Circuit ?
YES
Repair
DPMS Circuit
YES
H/V input
Signal ?
YES
Change
Scaler IC
NO
Check
H/V Signal
Display ?
NO
Change
Signal Cable
YES
OK !


No display
(White)
Check the main board
5V ?
NO
Repair
5V Circuit
YES
+3.3V ?
NO
Check
3.3V Regulator
YES
Check the main board
3.3V Regulator ?
NO
Repair
3.3V Circuit
YES
H/V Input
Signal ?
YES
Change
Scaler IC
NO
Check
H/V Signal
Display ?
NO
Change
Signal Cable
YES
OK !

# J. REPLACEMENT PARTS LIST

| NO | Parts No. | Description | Part Location | Q'ty |
|---|---|---|---|---|
| 1 | 154-500-976D-A | 19" protection cover | For bezel | 1 |
| 2 | 160-52L-980DL | Polyfoam L | | 1 |
| 3 | 160-52R-980DL | Polyfoam R | | 1 |
| 4 | 170-001-LCD5-1 | PE Bag | | 1 |
| 5 | 170-005-VM541 | PE BAG 300*200mm. | | 1 |
| 6 | 170-500-AS776 | BASE BAG 360*360mm 0.03t | | 1 |
| 7 | 170-500-PS776D | DC LINE BAG 200*340 | | 1 |
| 8 | 600-151-1500 | Power cable 1.8M | | 1 |
| 9 | 600-151-15R22 | D-Sub 15Pin Signal cable | | 1 |
| 10 | 846-120-E0AL-SA | Adapter LSE 60W | DC12V,5A | 1 |
| 11 | 610-151-19R2A5 | DVI-D Signal cable 1.5M | | 1 |
| 12 | 005-500-980DL | Carton | | 1 |
| 13 | 002-C50-MA982 | English user manual | Gigabyte | 1 |
| 14 | 153-500-980DL | Back Label | | 1 |
| 15 | 200-701-GA780 | Control PCB | | 1 |
| 16 | 401-270-0205 | Tact SW 2P 6*3.5 TSHB-2P | S1,S2,S3,S4,S5, | 5 |
| 17 | 630-008-C001 | JST 1.5mm HEADER ZR S8B-ZR | J1, | 1 |
| 18 | 520-005-L317-F | LED 3D2P | D1, | 1 |
| 19 | 631-001-4060 | 4.3D+107#18 BLK 75mm+TIN2.5 | Control+Ground wire | 2 |
| 20 | 705-590-950F | 19" FUJI FLC48SXC8V-10 | | 1 |
| 21 | 849-40M-0770-C | Inverter | | 1 |
| 22 | 200-100-776D-C | Main Board | | 1 |
| 23 | 281-031-20014 | SMD R 2K 1% 0603 | R87, | 1 |
| 24 | 281-031-62014 | SMD R 6.2K 0603 | R86, | 1 |
| 25 | 281-035-0R04 | SMD R 0 ohm 5% 0603 | R154,R155,L1,L2,L3,L4,L5,L6, L7,R17,L19,R5,R7,R36,R71,R75, R88,R55,R13,R23, | 20 |
| 26 | 281-035-1014 | RES 100 5% 1/10W 0603 | R25,R26,R27,R28, | 4 |
| 27 | 281-035-1024 | RES 1K 5% 1/10W 0603 | R60,R61, | 2 |
| 28 | 281-035-1044 | RES 100K 5% 1/10W 0603 | R44, | 1 |
| 29 | 281-035-1554 | SMD R 0603 1.5 Mohm | R43, | 1 |
| 30 | 281-035-2704 | SMD R 27ohm 5% 0603 | R200,R201,R203,R204,R206,R207, R209,R210, | 8 |

| | | | | |
|---|---|---|---|---|
| 31 | 281-035-2734 | SMD R 27K 0603 | R96, | 1 |

| NO | Parts No. | Description | Part Location | Q'ty |
|---|---|---|---|---|
| 32 | 281-035-3014 | SMD R 300 ohm 0603 | R95,R98, | 2 |
| 33 | 281-035-3304 | SMD R 33 ohm 0603 | R608,R611,R612,L18,R58,R59,R73, R76,R77, | 9 |
| 34 | 281-035-3314 | SMD R 0603 330 ohm | R56,R57, | 2 |
| 35 | 281-035-3324 | SMD R 3.3K 0603 1/10W 5%. | R35,R39,R40, | 3 |
| 36 | 281-035-4704 | SMD R 47 ohm 0603 | R18,R19,R6,R8,R9, | 5 |
| 37 | 281-035-4724 | SMD R 4.7 K 0603 | R2,R33,R78,R81,R89,R91,R92,R93, R150,R152,R153,R158, | 12 |
| 38 | 281-035-4734 | SMD R 47K 0603 | R3,R4,R41,R12,R14, | 5 |
| 39 | 281-035-5614 | SMD R 560 ohm 0603 | R42. | 1 |
| 40 | 281-035-6814 | SMD R 0603 680ohm | R97,R94, | 2 |
| 41 | 281-035-7504 | SMD R 75 ohm 0603 | R202,R205,R208,R211,R16,R21,R24, | 7 |
| 42 | 281-035-7534 | SMD R 75K 0603 | R84, | 1 |
| 43 | 282-330-2454 | SMD R ARRAY 33 ohm 1206 | RP1,RP2,RP3,RP4,RP5,RP6,RP7, RP8, RP9,RP10,RP11,RP12,RP13, | 13 |
| 44 | 330-100-16255 | 5mmEC 10uF 16V 105C M TP | C195,C125, | 2 |
| 45 | 330-101-16255 | 5mmEC 100uF 16V 105C M TP | C85,C94,C97,C123,C129, | 5 |
| 46 | 330-220-16255 | EC 22uF 16V 4*5 105C | C91, | 1 |
| 47 | 330-221-16255 | EC H:5mm 220uF 16V 105C M | C104,C107,C109,C112,C115,C120, C128,C197,C198,C101, | 10 |
| 48 | 381-180-032554 | CMD CC NPO 18pF 25V 0603 | C28,C29, | 2 |
| 49 | 381-220-032554 | SMD CC 22pF 25V NPO 0603 | C12,C13,C18,C19,C80,C81, | 6 |
| 50 | 381-301-032554 | SMD CC NPO 25V 300PF 5% 0603 | C110, | 1 |
| 51 | 381-5R0-032554 | SMD NPO 5P 25V 0603 | C2,C6,C9, | 3 |
| 52 | 382-102-032564 | SMD CC 1000pF/25V X7R 0603 | C26, | 1 |
| 53 | 382-103-032564 | SMD CC 0.01uF/25V X7R 0603 | C501,C75,C99,C103,C106,C114, C122, C124,C130,C10, | 10 |
| 54 | 382-392-032564 | X7R 3900pF 10% 25V 0603 | C22, | 1 |
| 55 | 382-392-032564 | SMD CC 0.039uF 25V X7R 0603 | C22, | 1 |
| 56 | 382-393-032564 | SMD CC 0.047uF 25V X7R 0603 | C23, | 1 |
| 57 | 382-473-032564 | SMD CC 0.047uF 25V X7R 0603 | C24,C25,C27, | 3 |
| 58 | 385-104-032584 | SMD CC 0.1uF 25V Y5V 0603 | C5,C193,C194,C1,C4,C8,C11,C14,C15, C16,C20,C21,C30,C31,C32,C33,C34, C35,C36,C37,C38,C39,C40,C41,C42, C43,C44,C45,C46,C47,C48,C49,C50, C51,C52,C53,C54,C55,C56,C57,C58, C59,C60,C62,C63,C64,C65,C66,C67, C68,C69,C70,C71,C72,C73,C74,C76, C77,C78,C79,C86,C92,C93,C95,C96, C98,C100,C102,C105,C108,C111,C113, C116,C117,C118,C119,C121,C126, C127,C131,C199,C200,C201, | 83 |
| 59 | 409-003-0110 | DC Jack 3.5D SCD510 | CN3, | 1 |
| 60 | 483-002-104S6 | Connector Pin Pitch 2.54mm 1*4 Pin | J2, | 1 |

| NO | Parts No. | Description | Part Location | Q'ty |
|---|---|---|---|---|
| 61 | 485-415-S070 | D-SUB 3R15 180D H6.8 Blue | CN14, | 1 |
| 62 | 485-D25-S118 | DVI-D connector 11.40mm | CN15, | 1 |
| 63 | 506-0AI-C1084 | SMD REG. AIC1084CM 3.3V 5A | U14, | 1 |
| 64 | 506-0CS-5828 | SMD 85M LVDS CS5828+TQFP56 | U9,U10, | 2 |
| 65 | 506-1LM-3485 | LM3485/NS MSOP-8 | U13, | 1 |
| 66 | 506-524-LC21 | Memory IC 24LC21 SMD | U2,U1, | 2 |
| 67 | 506-5EN-29LV8 | Flash 8M EN29LV800T-70RTC/EON | U6, | 1 |
| 68 | 506-5NM-24C16 | Linear OC NM24C16M-8 (SMD) | U8, | 1 |
| 69 | 506-774-LCX14 | SMD Hi Speed TTL 74LCX14 | U3, | 1 |
| 70 | 506-774-LCX541 | 74LCX541 TSSOP-20 FAIRCHILD | U7, | 1 |
| 71 | 506-CPW-131A-20 | Scaler IC PW131A-20Q | U4, | 1 |
| 72 | 506-RLD-1117-A | LD1117-ADJ-A UTC SOT223 | U15,U16, | 2 |
| 73 | 518-02N-3904 | TR. 2N3904 SMD | Q1,Q2,Q3,Q4,Q5,Q7,Q8,Q9, | 8 |
| 74 | 518-02N-3906 | SMD TR 2N3906 | Q10, | 1 |
| 75 | 518-1CE-9435 | MOSFET CE9435A CO8 | U11,U12,U17, | 3 |
| 76 | 522-030-B340-T | SCHOTTKY SB340 TP | D14, | 1 |
| 77 | 528-2BA-T54C | SMD Diode BAT54C SOT23 | D4,D1, | 2 |
| 78 | 529-350-05R6 | SMD Zener 5.6V MMSZ5232B | D15, | 1 |
| 79 | 531-143-49US | XTAL 14.318Mhz LC=16pF 49US | Y1, | 1 |
| 80 | 558-352-5000 | SMD Fuse 1206 24V 5A | F1, | 1 |
| 81 | 630-006-1008 | Base 6P JWT A2001 Pitch 2 | CN4, | 1 |
| 82 | 630-008-C001 | JST 1.5mm HEADER ZR S8B-ZR | CN1, | 1 |
| 83 | 630-030-8001 | Connector 125HR(DF14) 30P1.25 SMD | CN2, | 1 |
| 84 | 745-330-2062-3 | 33uH C4426-060128YB-UL | L27, | 1 |
| 85 | 780-103-3000 | SMD BEAD SBK160808-300Y | L13,L14,L15,L16,L17,L20, | 6 |
| 86 | 780-104-6010 | SMD Bead SBK-201209T-601Y-S | L199,L21,L29,L30,L31,L32,L35,L36, L37,L38, | 10 |
| 87 | 780-107-121K50 | Bead 120ohm 1206 5A FBM-11 | L22,L24,L26,L28, | 4 |
| 88 | 780-112-8000 | Bead HCB4532K-800T60 80ohm6A | L25, | 1 |
| 89 | 781-220-0462 | L 0805 22uH CL201212T-220K | L8,L9,L10,L11,L12, | 5 |
| 90 | 152-000-SH570 | TOSHIBA DC Jack Support NYLON | CN3, | 1 |
| 91 | 281-035-2224 | SMD R 2.2K 0603 | R171,R29,R69, | 3 |
| 92 | 281-035-1034 | RES 10K 5% 1/10W 0603 | R15,R212,R22,R45,R46,R47,R48,R49, R50,R51,R52,R62,R80,R601,R605, | 15 |
| 93 | 506-XMK-1707 | 展頻 IC MK1707/ICS SOIC-8 | U22, | 1 |

| NO | Parts No. | Description | Part Location | Q'ty |
|---|---|---|---|---|
| 94 | 151-A00-Q906A | GA980DL Front bezel | ABS HB K2440 | 1 |
| 95 | 121-500-980D | GA980DL Rear Plate SECC1.0 | | 1 |
| 96 | 123-001-776DT-A | Connector Cover | | 1 |
| 97 | 154-002-782S4 | GA980DL Tuner Cover | Color : 877C | 1 |
| 98 | 154-001-GA580S4 | GA980DL Key Top | Color : 877C | 1 |
| 99 | 154-500-980DL | GA-980DL CR Bar L | Color : 877C | 1 |
| 100 | 154-501-980DL | GA-980DL CR Bar R | Color : 877C | 1 |
| 101 | 154-002-GA580 | GA-980DL LED Lens | | 1 |
| 102 | 540-600-976DA | Insulation | For Panel back side | 1 |
| 103 | 540-700-1976 | Mylar Film 0.2t | | 1 |
| 104 | 540-600-976DB | Insulation | Rear Plate inside | 1 |
| 105 | 154-502-980DL | GA-980DL PVC film 0.3t | | 1 |
| 106 | 126-500-976D | Hinge | | 1 |
| 107 | 123-500-0980 | AL Base | Color : 877C | 1 |
| 108 | 155-001-PS576-A | Cushion | | 5 |
| 109 | 106-006-4033-1 | Screw I4*6 ISO | | 2 |
| 110 | 107-005-3032 | Screw B3*5 ISO | | 6 |
| 111 | 107-006-3032 | Screw B M3xL6 ISO | | 2 |
| 112 | 107-008-3032 | Screw M3xL8 ISO | | 2 |
| 113 | 103-008-4033 | Screw F3*8 NI | | 1 |
| 114 | 101-009-3013 | Screw P3*L9mm TP1 | | 2 |
| 115 | 101-010-4033-1 | Screw P4*10 ISO | | 2 |
| 116 | 132-300-PS576 | Base Screw Ass'y | | 1 |
| 117 | 106-012-6033 | Screw M6 L 12mm | | 1 |
| 118 | 132-001-PS576-A | Springe | | 1 |
| 119 | 631-030-J976 | 30P 1.25-1.0 130mm | | 1 |
| 120 | 631-006-7008-A | Wire 150mm | | 1 |
| 121 | 126-030-ALP4 | AL Foil 200x30mm | | 2 |
| 122 | 126-030-ALP7 | AL Foil W30*L90mm | | 1 |
| 123 | 126-030-ALP | AL Foil 150x30mm | | 1 |
| 124 | 631-008-G976 | 8P1.5 220mm+CORE 加 SHIELD+GND | | 1 |
| 125 | 101-010-3012 | Screw P3*L10mm TP1 | | 10 |
| 126 | 105-008-3012 | Screw T3*8mm TP1 | | 3 |
| 127 | 831-411-00405 | Sponge 11x405.2x2mm | | 2 |
| 128 | 831-411-00323 | Sponge 11x323.5x2mm | | 2 |

| NO | Parts No. | Description | Part Location | Q'ty |
|---|---|---|---|---|
| 129 | 123-507-976D | AL Neck | Color : 877C | 1 |
| 130 | 123-502-976D | NECK | | 1 |
| 131 | 151-051-980DL | Rear cover | | 1 |
| 132 | 109-950-0950 | Screw | For D-SUB Connector | 2 |
| 133 | 109-948-1000 | Screw | For D-SUB Connector | 2 |

# PARTS LIST M074

| SYM | PART NUMBER | | DESCRIPTION | QUANT | ITEM NO. | MFRS. | INS. |
|---|---|---|---|---|---|---|---|
| C1 | 25MV100SGX+TS | | CAPACTOR | 1. | C01-004S | SANYO | |
| C2 | N.A | | | | | | |
| C3 | C1608X7R1E104KT | OR | CAPACTOR | 1. | C03-065T | TDK | |
| | GRM39X7R104K25 | | | | C03-065U | MURATA | |
| C4 | C1608X7R1E104KT | OR | CAPACTOR | 1. | C03-065T | TDK | |
| | GRM39X7R104K25 | | | | C03-065U | MURATA | |
| C5 | N.A | | | | | | |
| C6 | C1608X7R1E104KT | OR | CAPACTOR | 1. | C03-065T | TDK | |
| | GRM39X7R104K25 | | | | C03-065U | MURATA | |
| C7 | N.A | | | | | | |
| C8 | C1608X7R1H681KT | OR | CAPACTOR | 1. | C03-082T | TDK | |
| | GRM39X7R681K50 | | | | C03-082U | MURATA | |
| C9 | N.A | | | | | | |
| C10 | C2012Y5V1C225ZT | | CAPACTOR | 1. | C03-446T | TDK | |
| C11 | RSBEC3180DQJ | | CAPACTOR | 1. | C02-016R | ARCO | |
| C12 | CC45SL3FD270JY | | CAPACTOR | 1. | C04-925T | TDK | |
| C13 | CC45SL3FD270JY | | CAPACTOR | 1. | C04-925T | TDK | |
| C14 | N.A | | | | | | |
| C15 | C1608X7R1E104KT | OR | CAPACTOR | 1. | C03-065T | TDK | |
| | GRM39X7R104K25 | | | | C03-065U | MURATA | |
| C17 | RSBEC3180DQJ | | CAPACTOR | 1. | C02-016R | ARCO | |
| C18 | CC45SL3FD270JY | | CAPACTOR | 1. | C04-925T | TDK | |
| C19 | CC45SL3FD270JY | | CAPACTOR | 1. | C04-925T | TDK | |
| C20 | N.A | | | | | | |
| C21 | C1608X7R1E104KT | OR | CAPACTOR | 1. | C03-065T | TDK | |
| | GRM39X7R104K25 | | | | C03-065U | MURATA | |
| C22 | C1608Y5V1A105ZT | OR | CAPACTOR | 1. | C03-487T | TDK | |
| | GRM39Y5V105Z10 | | | | C03-476U | MURATA | |
| C23 | N.A | | | | | | |
| C24 | C1608Y5V1A105ZT | OR | CAPACTOR | 1. | C03-487T | TDK | |
| | GRM39Y5V105Z10 | | | | C03-476U | MURATA | |
| C27 | N.A | | | | | | |
| C28 | N.A | | | | | | |
| C29 | C2012Y5V1C225ZT | | CAPACTOR | 1. | C03-446T | TDK | |
| C30 | C1608Y5V1A105ZT | OR | CAPACTOR | 1. | C03-487T | TDK | |
| | GRM39Y5V105Z10 | | | | C03-476U | MURATA | |

| REV. | DATE | DESCRIPTION | DESIGNED | APV. |
|---|---|---|---|---|
| | | | | |

| | | |
|---|---|---|
| MODEL | M074 | DATE |
| DRAWN | Linda | 6/18/02 |
| DESIGNED | KEN | 6/18/02 |
| LEADER | | 6/18/02 |
| MANAGER | | 6/18/02 |

**MULTIPAL TECHNOLOGY CORP.** **EPLAM0740** PAGE 1/5

# PARTS LIST M074

| SYM | PART NUMBER | | DESCRIPTION | QUANT | ITEM NO. | MFRS. | INS. |
|---|---|---|---|---|---|---|---|
| C31 | C1608Y5V1A105ZT | OR | CAPACTOR | 1. | C03-487T | TDK | |
| | GRM39Y5V105Z10 | | | | C03-476U | MURATA | |
| R2 | RC0805FR-220R | OR | RESISTOR | 1. | R02-034Y | YAGEO | |
| | RMC10P2200F | | | | R02-034K | KAMAYA | |
| R3 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R4 | N.A | | | | | | |
| R6 | RC0603FR-100K | OR | RESISTOR | 1. | R01-102Y | YAGEO | |
| | RMC16P1003F | | | | R01-102K | KAMAYA | |
| R7 | RC0603FR-100K | OR | RESISTOR | 1. | R01-102Y | YAGEO | |
| | RMC16P1003F | | | | R01-102K | KAMAYA | |
| R8 | RC0603FR-750K | OR | RESISTOR | 1. | R01-124Y | YAGEO | |
| | RMC16P7503F | | | | R01-124K | KAMAYA | |
| R9 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R10 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R11 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R12 | N.A | | | | | | |
| R13 | RC0805FR-3K | OR | RESISTOR | 1. | R02-062Y | YAGEO | |
| | RMC10P3001F | | | | R02-062K | KAMAYA | |
| R14 | N.A | | | | | | |
| R15 | N.A | | | | | | |
| R16 | RC0603FR-33K | OR | RESISTOR | 1. | R01-088Y | YAGEO | |
| | RMC16P3302F | | | | R01-088K | KAMAYA | |
| R17 | N.A | | RESISTOR | | | | |
| R18 | RC1206FR-1K | OR | RESISTOR | 1. | R03-052Y | YAGEO | |
| | RMC14P1001F | | | | R03-052K | KAMAYA | |
| R19 | RC0603FR-1K | OR | RESISTOR | 1. | R01-052Y | YAGEO | |
| | RMC16P1001F | | | | R01-052K | KAMAYA | |
| R20 | RC0805FR-43K | OR | RESISTOR | 1. | R02-091Y | YAGEO | |
| | RMC10P4302F | | | | R02-091K | KAMAYA | |
| R21 | RC0603FR-100K | OR | RESISTOR | 1. | R01-102Y | YAGEO | |
| | RMC16P1003F | | | | R01-102K | KAMAYA | |
| R22 | RC0603FR-51K | OR | RESISTOR | 1. | R01-093Y | YAGEO | |

| REV. | DATE | DESCRIPTION | DESIGNED | APV. |
|---|---|---|---|---|
| | | | | |

| | | |
|---|---|---|
| MODEL | M074 | DATE |
| DRAWN | Linda | 6/18/02 |
| DESIGNED | KEN | 6/18/02 |
| LEADER | | 6/18/02 |
| MANAGER | D.H.Lin | 6/18/02 |

**MULTIPAL TECHNOLOGY CORP.** **EPLAM0740** PAGE 2/5

# PARTS LIST M074

| SYM. | PART NUMBER | | DESCRIPTION | QUANT | ITEM NO. | MFRS. | INS. |
|---|---|---|---|---|---|---|---|
| R22 | RMC16P5102F | | RESISTOR | 1. | R01-093K | KAMAYA | |
| R23 | RC0603FR-62K | OR | RESISTOR | 1. | R01-097Y | YAGEO | |
| | RMC16P6202F | | | | R01-097K | KAMAYA | |
| R24 | RC0805FR-3K | OR | RESISTOR | 1. | R02-062Y | YAGEO | |
| | RMC10P3001F | | | | R02-062K | KAMAYA | |
| R25 | N.A | | | | | | |
| R26 | N.A | | | | | | |
| R27 | RC0603FR-33K | OR | RESISTOR | 1. | R01-088Y | YAGEO | |
| | RMC16P3302F | | | | R01-088K | KAMAYA | |
| R28 | RC1206FR-1K | OR | RESISTOR | 1. | R03-052Y | YAGEO | |
| | RMC14P1001F | | | | R03-052K | KAMAYA | |
| R29 | N.A | | | | | | |
| R30 | RC0603FR-1K | OR | RESISTOR | 1. | R01-052Y | YAGEO | |
| | RMC16P1001F | | | | R01-052K | KAMAYA | |
| R31 | RC0805FR-43K | OR | RESISTOR | 1. | R02-091Y | YAGEO | |
| | RMC10P4302F | | | | R02-091K | KAMAYA | |
| R32 | RC0603FR-100K | OR | RESISTOR | 1. | R01-102Y | YAGEO | |
| | RMC16P1003F | | | | R01-102K | KAMAYA | |
| R33 | RC0603FR-51K | OR | RESISTOR | 1. | R01-093Y | YAGEO | |
| | RMC16P5102F | | | | R01-093K | KAMAYA | |
| R34 | RC0603FR-62K | OR | RESISTOR | 1. | R01-097Y | YAGEO | |
| | RMC16P6202F | | | | R01-097K | KAMAYA | |
| R35 | RC0603FR-62K | OR | RESISTOR | 1. | R01-097Y | YAGEO | |
| | RMC16P6202F | | | | R01-097K | KAMAYA | |
| R36 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R37 | RC0603FR-10K | OR | RESISTOR | 1. | R01-077Y | YAGEO | |
| | RMC16P1002F | | | | R01-077K | KAMAYA | |
| R38 | RC0603FR-100R | OR | RESISTOR | 1. | R01-027Y | YAGEO | |
| | RMC16P1000F | | | | R01-027K | KAMAYA | |
| R39 | RC0603FR-100R | OR | RESISTOR | 1. | R01-027Y | YAGEO | |
| | RMC16P1000F | | | | R01-027K | KAMAYA | |
| R40 | N.A | | | | | | |
| R41 | RC1206FR-1K | OR | RESISTOR | 1. | R03-052Y | YAGEO | |
| | RMC14P1001F | | | | R03-052K | KAMAYA | |
| R42 | N.A | | | | | | |

| REV. | DATE | DESCRIPTION | DESIGNED | APV. |
|---|---|---|---|---|
| | | | | |

| MODEL | M074 | DATE |
|---|---|---|
| DRAWN | Linda | 6/18/02 |
| DESIGNED | KEN | 6/18/02 |
| LEADER | | 6/18/02 |
| MANAGER | | 6/18/02 |

**MULTIPAL TECHNOLOGY CORP.** **EPLAM0740** PAGE 3/5

# PARTS LIST M074

| SYM | PART NUMBER | | DESCRIPTION | QUANT | ITEM NO. | MFRS. | INS. |
|---|---|---|---|---|---|---|---|
| R43 | RC1206FR-1K | OR | RESISTOR | 1. | R03-052Y | YAGEO | |
| | RMC14P1001F | | | | R03-052K | KAMAYA | |
| R44 | N.A | | | | | | |
| R45 | N.A | | | | | | |
| J1 | JS-1125R-06 | OR | CONNECTOR | 1. | J01-002Y | CHYAO SHIUN | |
| | JH2-20-0648 | | | | J01-002B | FCN | |
| G1 | C002 | | CABLE | 1. | G02-003J | JST | |
| G2 | C002 | | CABLE | 1. | G02-003J | JST | |
| F1 | 3216FF 3A | OR | FUSE | 1. | F01-003B | BUSINNES | |
| | 429 003 | | | | F01-003L | LITTELFUSE | |
| B1 | M074 | OR | PCB | 1. | B02-074P/3 | POL | |
| | M074 | | | | B02-074H/3 | CHIUN YANG | |
| T1 | T08118 | OR | TRANSFORMER | 1. | T02-033T | TMP | |
| | TME011925065 | | | | T02-033R | TRANSMORE | |
| T2 | T08118 | OR | TRANSFORMER | 1. | T02-033T | TMP | |
| | TME011925065 | | | | T02-033R | TRANSMORE | |
| L1 | D108C-101K | OR | INDUCTOR | 1. | L01-023L | LONGVIEW | |
| | RCP1008-101K | | | | L01-023S | STAR | |
| L2 | D108C-101K | OR | INDUCTOR | 1. | L01-023L | LONGVIEW | |
| | RCP1008-101K | | | | L01-023S | STAR | |
| U1 | BA9741FP-E2 | | IC | 1. | U02-005R | ROHM | |
| D1 | EC21QS04-TE12R | OR | DIODE | 1. | D02-002I | INTECH | |
| | SMA240LV | | | | D02-002F | FCI | |
| D3 | UDZS TE-1713B | OR | DIODE | 1. | D03-018R | ROHM | |
| | KDZ13V | | | | D03-018K | KEC | |
| D5 | MA157A | OR | DIODE | 1. | D01-002P | PANASONIC | |
| | DAN217 T146 | OR | | | D01-002R | ROHM | |
| | 1SS226-TE85L | | | | D01-002T | TOSHIBA | |
| D6 | EC21QS04-TE12R | OR | DIODE | 1. | D02-002I | INTECH | |
| | SMA240LV | | | | D02-002F | FCI | |
| D8 | UDZS TE-1713B | OR | DIODE | 1. | D03-018R | ROHM | |
| | KDZ13V | | | | D03-018K | KEC | |
| D10 | MA157A | OR | DIODE | 1. | D01-002P | PANASONIC | |
| | DAN217 T146 | OR | | | D01-002R | ROHM | |
| | 1SS226-TE85L | | | | D01-002T | TOSHIBA | |
| Q1 | DTC114EUA T106 | OR | TRANSISTOR | 1. | Q02-002R | ROHM | |

| REV. | DATE | DESCRIPTION | DESIGNED | APV. |
|---|---|---|---|---|
| | | | | |

| MODEL | M074 | DATE |
|---|---|---|
| DRAWN | Linda | 6/18/02 |
| DESIGNED | KEN | 6/18/02 |
| LEADER | | 6/18/02 |
| MANAGER | D.H.Lin | 6/18/02 |

**MULTIPAL TECHNOLOGY CORP.** **EPLAM0740** PAGE 4/5

# PARTS LIST M074

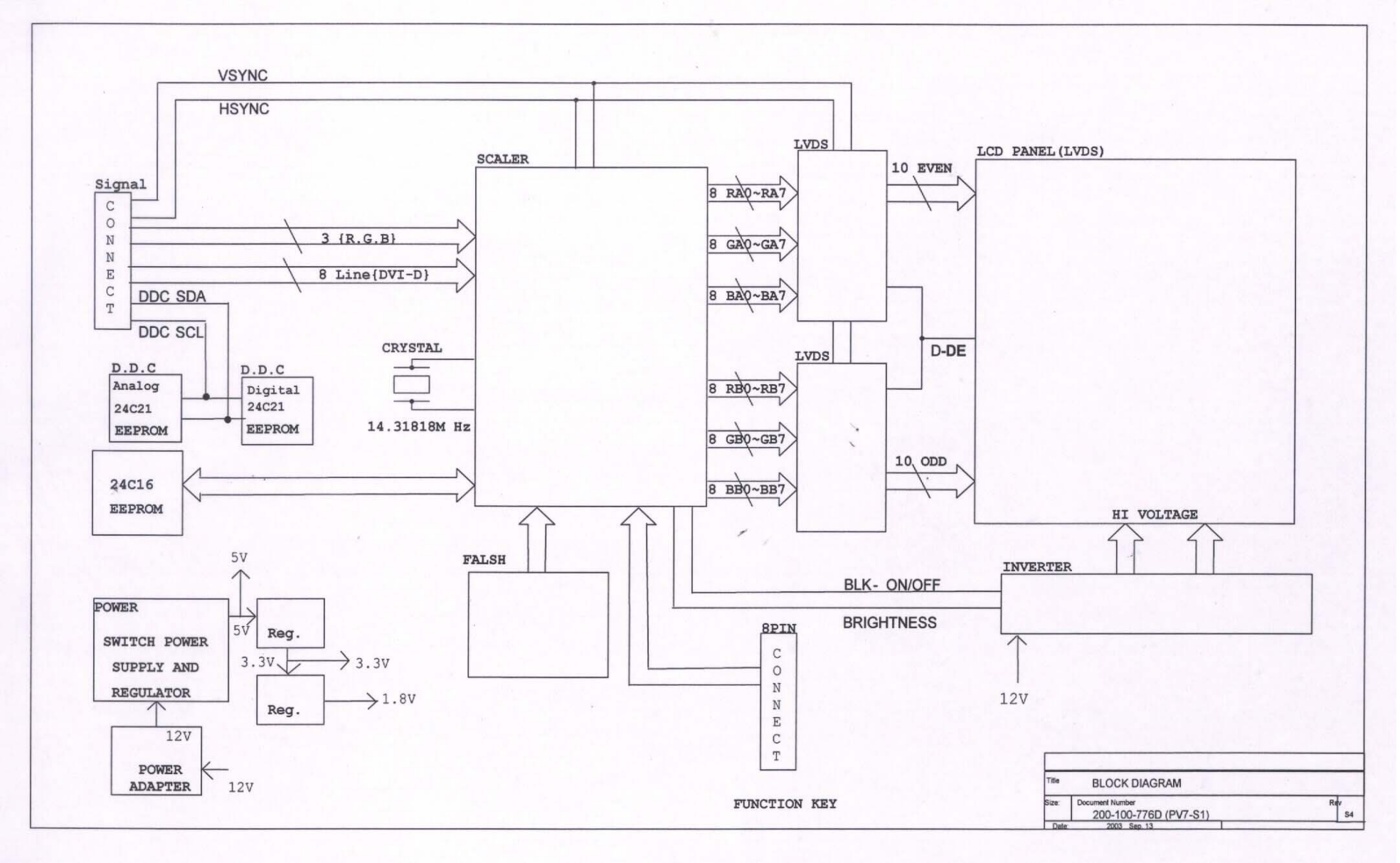
| SYM. | PART NUMBER | | DESCRIPTION | QUANT | ITEM NO. | MFRS. | INS. |
|---|---|---|---|---|---|---|---|
| Q1 | UN5211-TX(TW) | | TRANSISTOR | 1. | Q02-002P | PANASONIC | |
| Q2 | DTA114EUA T106 | OR | TRANSISTOR | 1. | Q01-002R | ROHM | |
| | UN5111-TX(TW) | | | | Q01-002P | PANASONIC | |
| Q3 | 2SC4081R T106 | OR | TRANSISTOR | 1. | Q02-001R | ROHM | |
| | 2SD1819A-R-TX(TW) | | | | Q02-001P | PANASONIC | |
| Q4 | CEM9435A | OR | TRANSISTOR | 1. | Q03-002C | CET | |
| | FSS140-TL | OR | | | Q03-002Y | SANYO | |
| | SI9435DY-T1 | | | | Q03-002I | SILICONIX | |
| Q5 | 2SA1576AR T106 | OR | TRANSISTOR | 1. | Q01-001R | ROHM | |
| | 2SB1218A-R/S-TX(TW) | | | | Q01-001P | PANASONIC | |
| Q6 | 2SD1624T-TD | OR | TRANSISTOR | 1. | Q02-006Y | SANYO | |
| | KTD1624C | | | | Q02-006K | KEC | |
| Q7 | 2SD1624T-TD | OR | TRANSISTOR | 1. | Q02-006Y | SANYO | |
| | KTD1624C | | | | Q02-006K | KEC | |
| Q8 | CEM9435A | OR | TRANSISTOR | 1. | Q03-002C | CET | |
| | FSS140-TL | OR | | | Q03-002Y | SANYO | |
| | SI9435DY-T1 | | | | Q03-002I | SILICONIX | |
| Q9 | 2SC4081R T106 | OR | TRANSISTOR | 1. | Q02-001R | ROHM | |
| | 2SD1819A-R-TX(TW) | | | | Q02-001P | PANASONIC | |
| Q10 | 2SA1576AR T106 | OR | TRANSISTOR | 1. | Q01-001R | ROHM | |
| | 2SB1218A-R/S-TX(TW) | | | | Q01-001P | PANASONIC | |
| Q11 | 2SD1624T-TD | OR | TRANSISTOR | 1. | Q02-006Y | SANYO | |
| | KTD1624C | | | | Q02-006K | KEC | |
| Q12 | 2SD1624T-TD | OR | TRANSISTOR | 1. | Q02-006Y | SANYO | |
| | KTD1624C | | | | Q02-006K | KEC | |
| P1 | 220*65*0.09m/m(靜電袋) | | PACKING | 1. | P01-002W | WEI CHYI | |
| P2 | L470*W245*H530m/m(紙箱) | | PACKING | 1/200 | P01-006J | JONG SON | |
| P3 | L460*W235m/m(襯板) | | PACKING | 1/200 | P01-007J | JONG SON | |
| P4 | L460*W235*H250m/m(紙蜂巢) | | PACKING | 1 | P01-008J | JONG SON | |
| B1 | M074 | OR | PCB | 1. | B02-074I/3 | CHINTEX | |
| | M074 | | | | B02-074E/3 | CHEER TIME | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| REV. | DATE | DESCRIPTION | DESIGNED | APV. |
|---|---|---|---|---|
| | | | | |

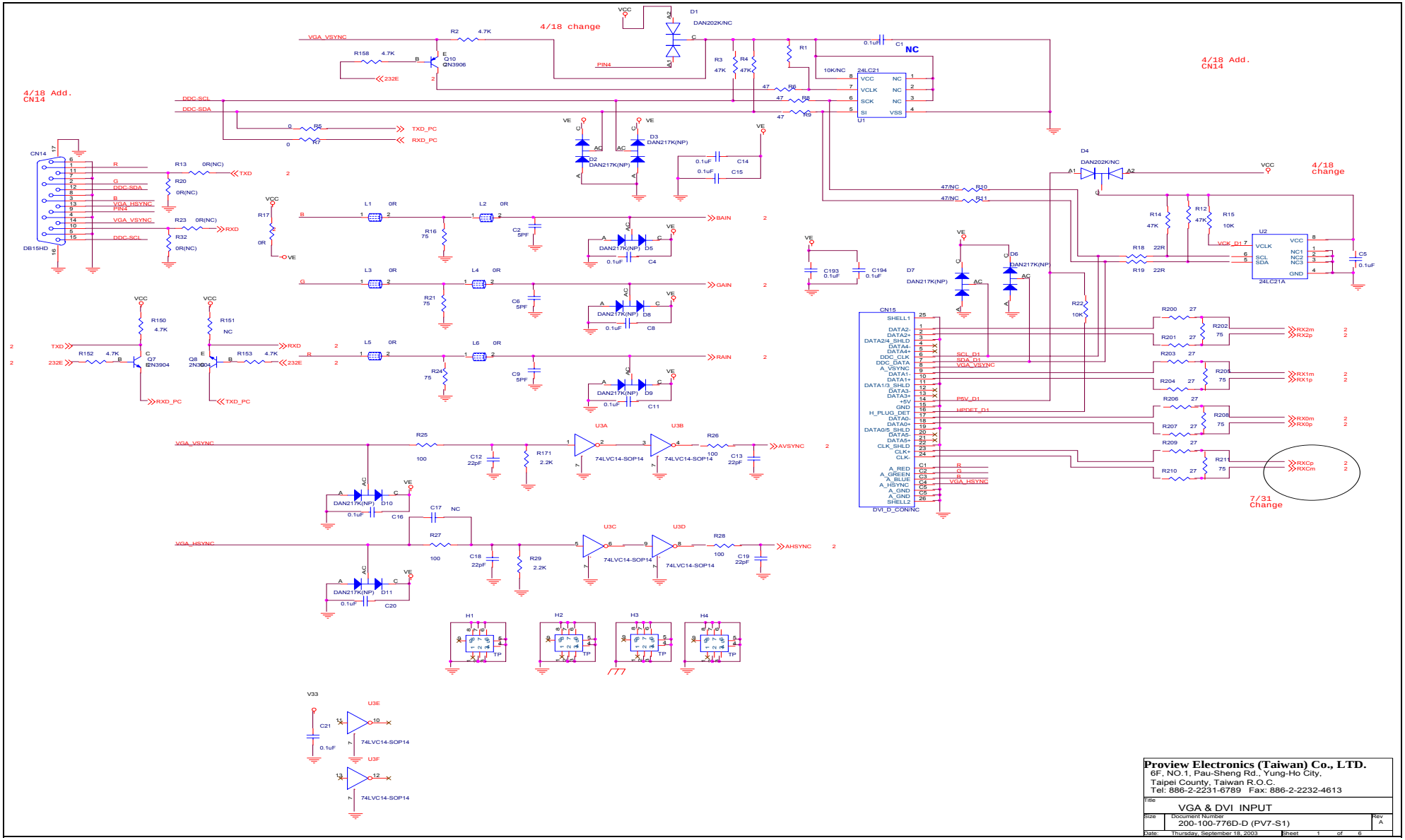
| | | |
|---|---|---|
| MODEL | M074 | DATE |
| DRAWN | Linda | 6/18/02 |
| DESIGNED | KEN | 6/18/02 |
| LEADER | | 6/18/02 |
| MANAGER | | 6/18/02 |

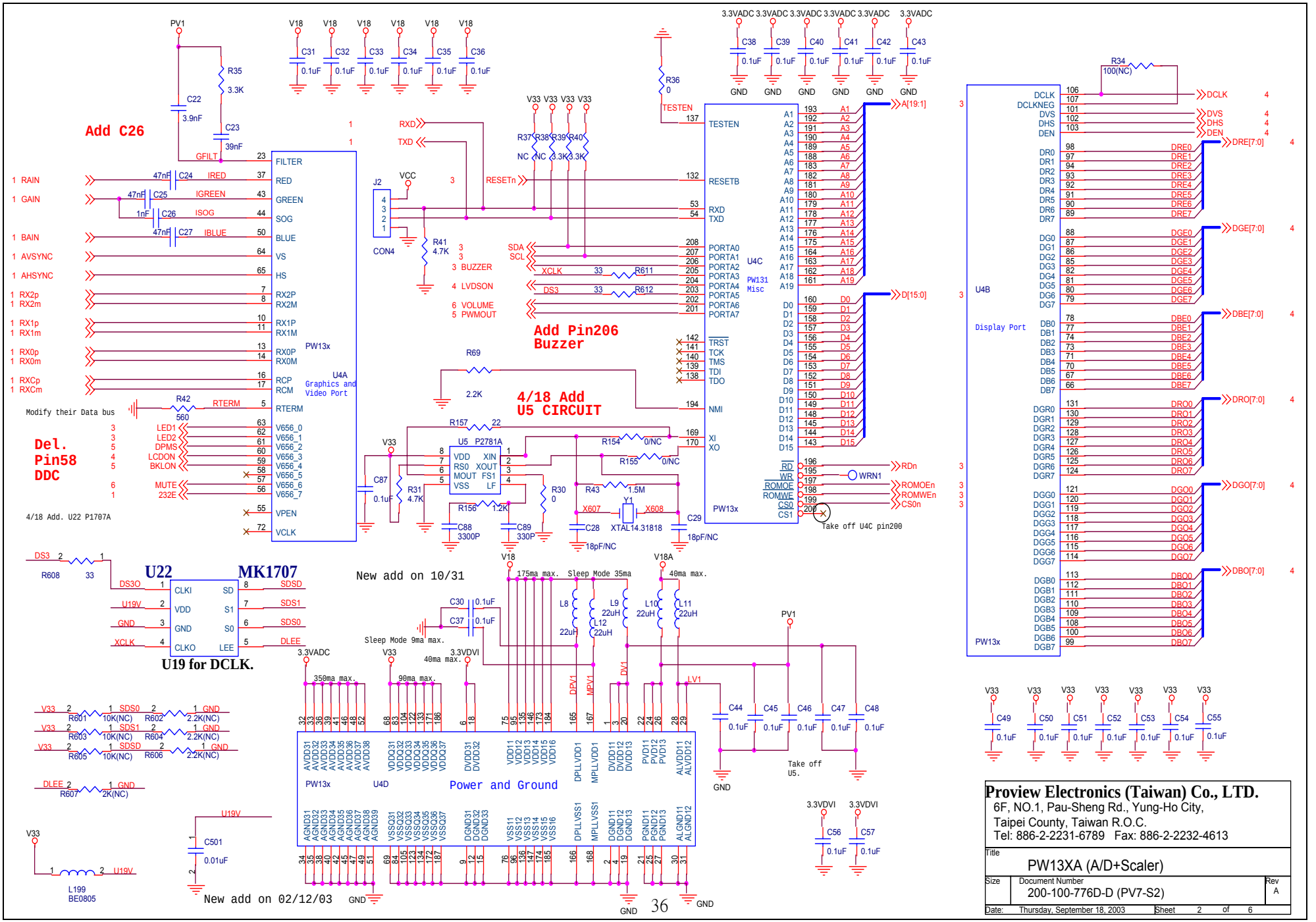
**MULTIPAL TECHNOLOGY CORP.** **EPLAM0740** PAGE 5/5

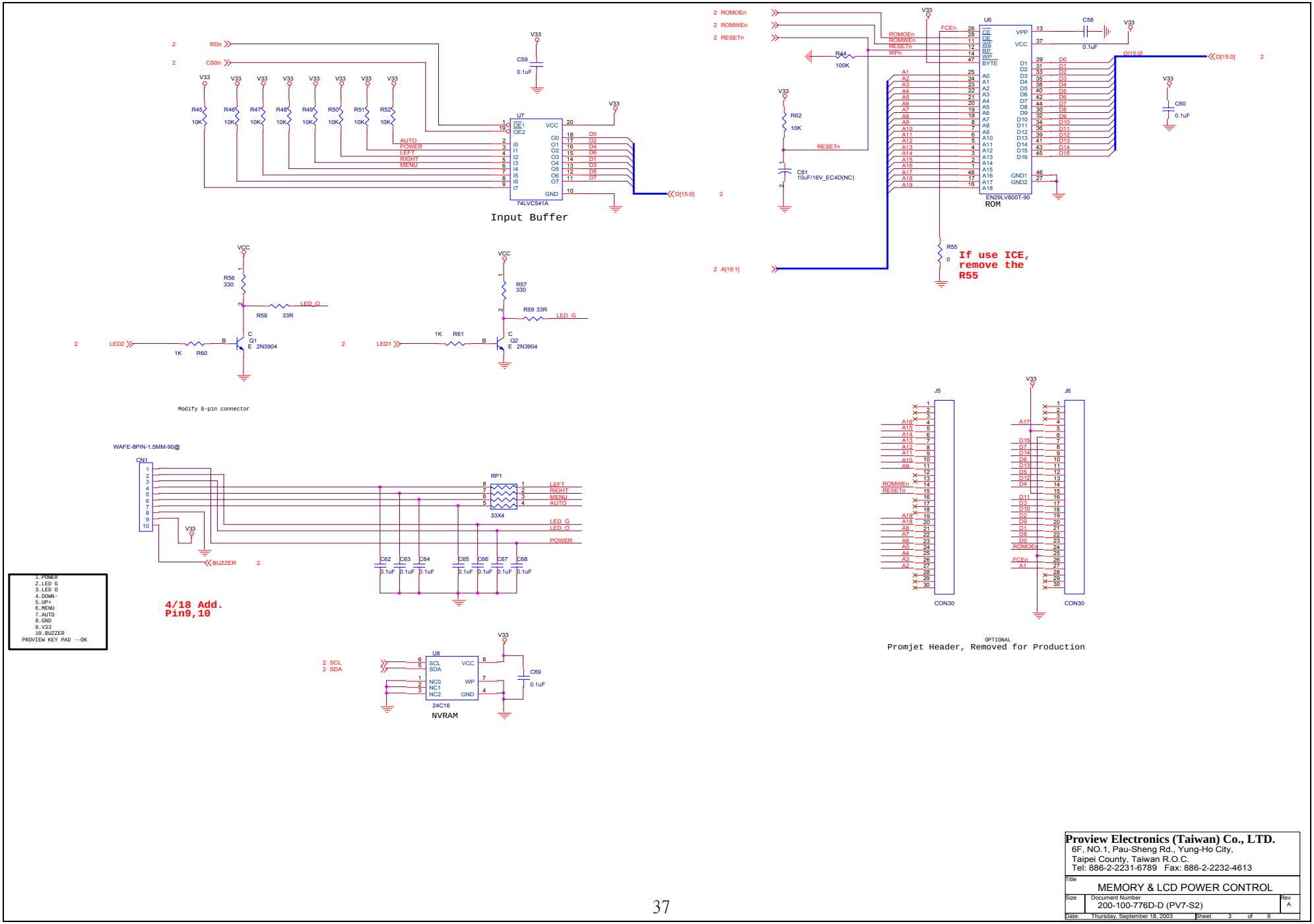
# I. BLOCK DIAGRAM



# J. SCHEMATIC DIAGRAM

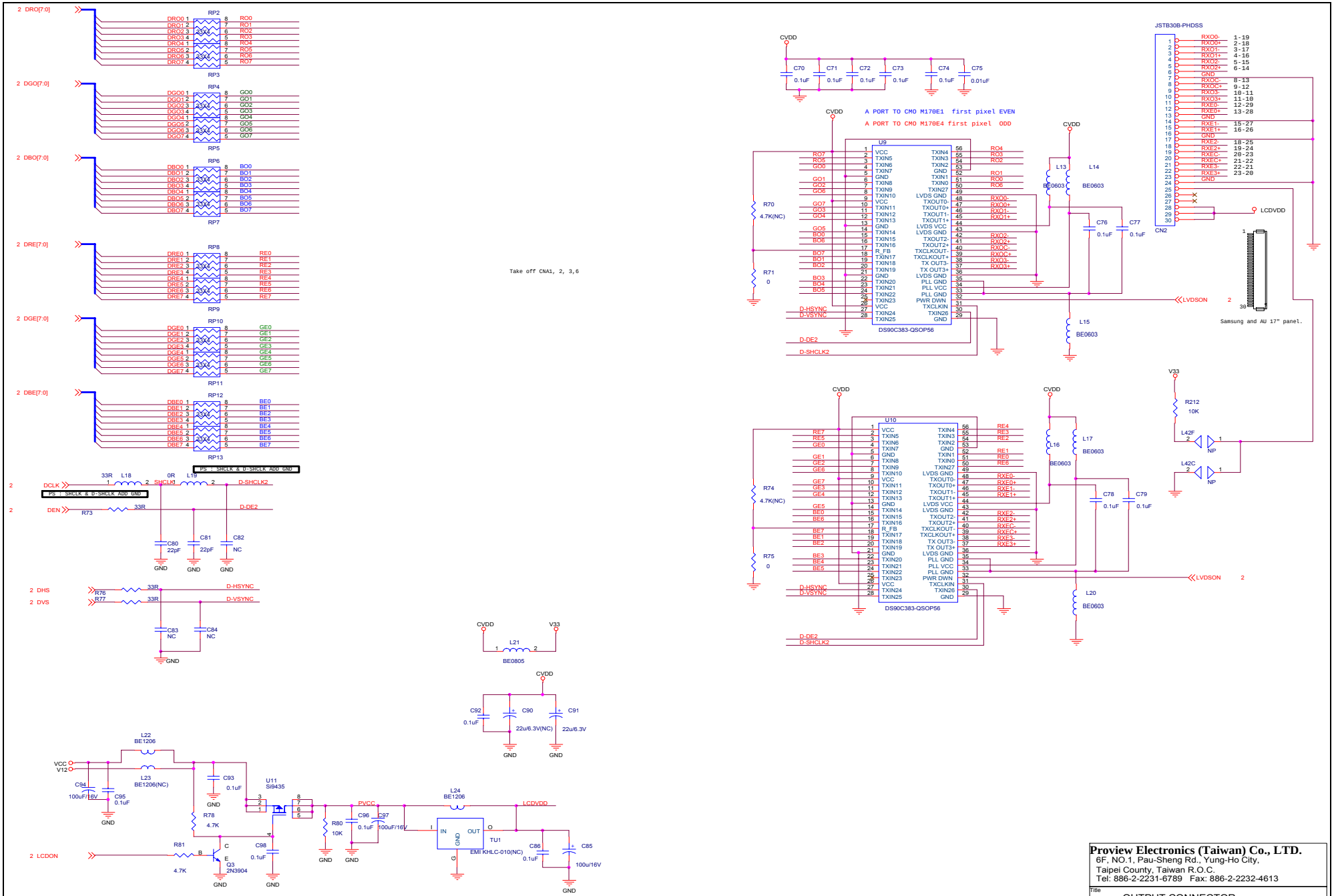



Add C26
Add Pin206
Buzzer
4/18 Add
U5 CIRCUIT
Del.
Pin58
DDC
Modify their Data bus
4/18 Add. U22 P1707A
U22
MK1707
U19 for DCLK.
New add on 10/31
Power and Ground
Take off U4C pin200
Take off
U5.
New add on 02/12/03
Proview Electronics (Taiwan) Co., LTD.
6F, NO.1, Pau-Sheng Rd., Yung-Ho City,
Taipei County, Taiwan R.O.C.
Tel: 886-2-2231-6789 Fax: 886-2-2232-4613
PW13XA (A/D+Scaler)
200-100-776D-D (PV7-S2)
Thursday, September 18, 2003
Sheet 2 of 6
36




**Proview Electronics (Taiwan) Co., LTD.**
6F, NO.1, Pau-Sheng Rd., Yung-Ho City,
Taipei County, Taiwan R.O.C.
Tel: 886-2-2231-6789 Fax: 886-2-2232-4613

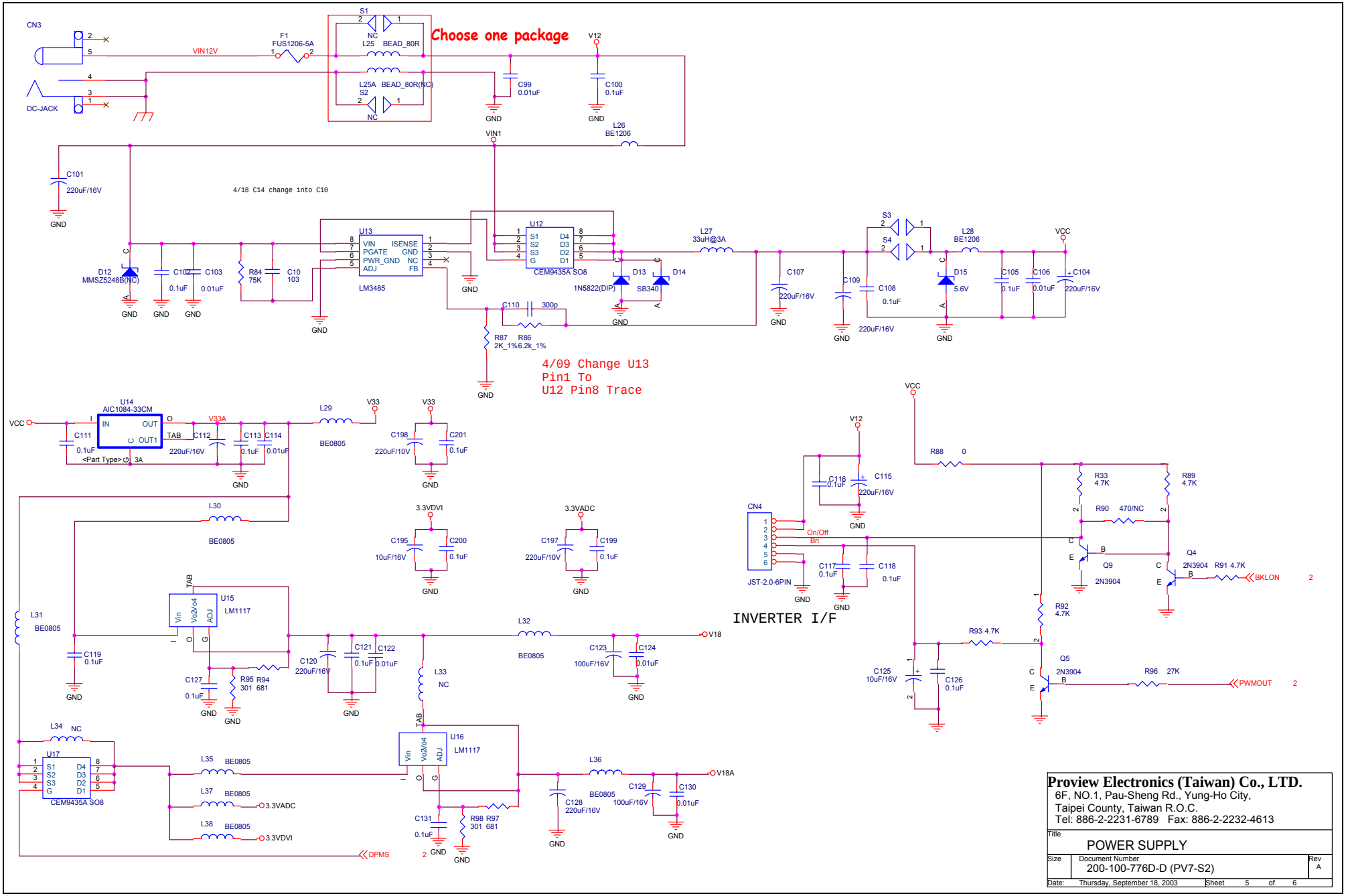
| | | |
|---|---|---|
| Title | MEMORY & LCD POWER CONTROL | |
| Size | Document Number: 200-100-776D-D (PV7-S2) | Rev: A |
| Date: Thursday, September 18, 2003 | Sheet 3 of 8 | |

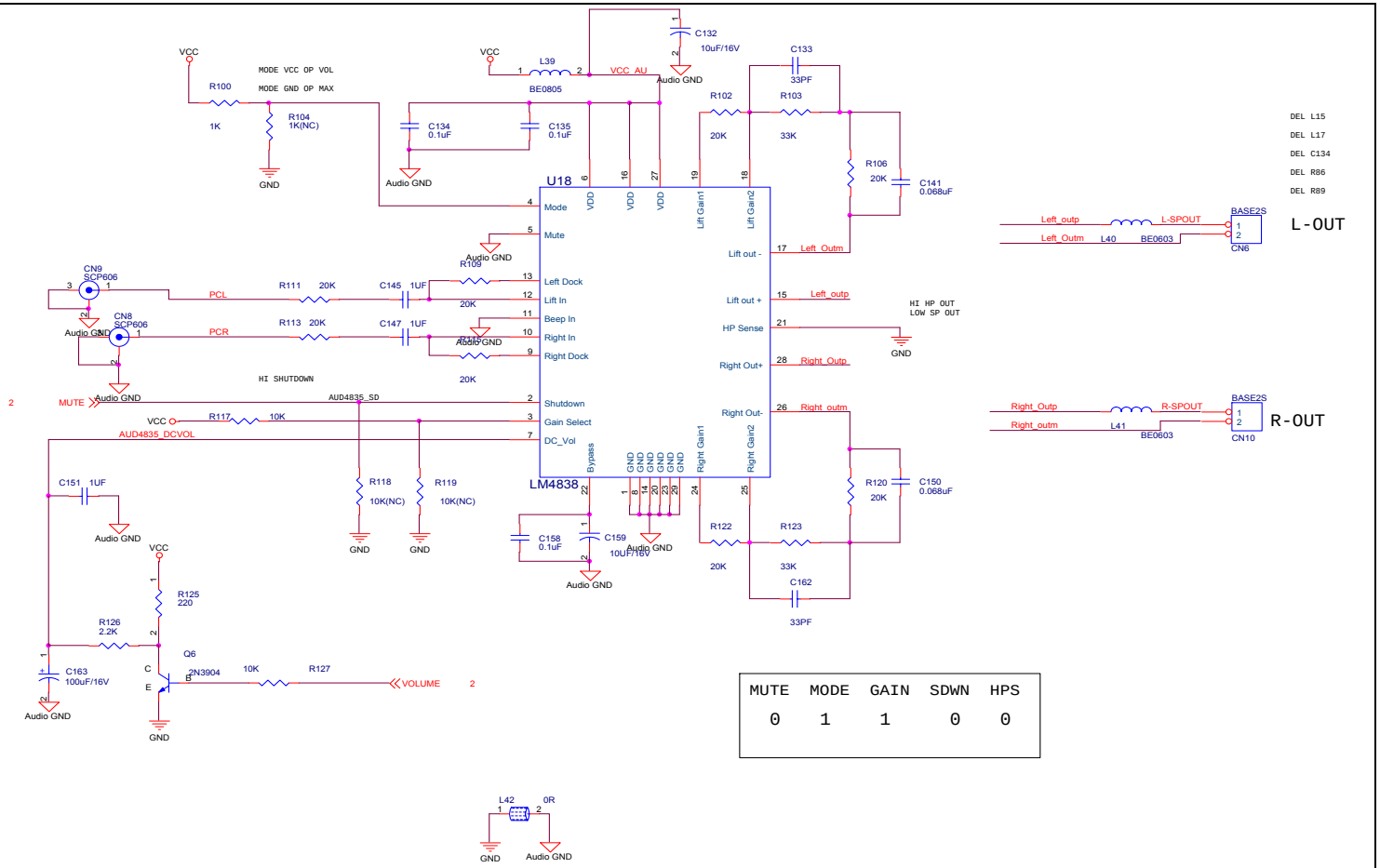




**Proview Electronics (Taiwan) Co., LTD.**
6F, NO.1, Pau-Sheng Rd., Yung-Ho City,
Taipei County, Taiwan R.O.C.
Tel: 886-2-2231-6789 Fax: 886-2-2232-4613


| | | |
|---|---|---|
| Title | OUTPUT CONNECTOR | |
| Size | Document Number 200-100-776D-C (PV7-S2) | Rev A |
| Date: Thursday, July 31, 2003 | Sheet 4 of 6 | |


Choose one package
4/18 C14 change into C10
4/09 Change U13
Pin1 To
U12 Pin8 Trace
INVERTER I/F
Proview Electronics (Taiwan) Co., LTD.
6F, NO.1, Pau-Sheng Rd., Yung-Ho City,
Taipei County, Taiwan R.O.C.
Tel: 886-2-2231-6789 Fax: 886-2-2232-4613
POWER SUPPLY
200-100-776D-D (PV7-S2)
Thursday, September 18, 2003



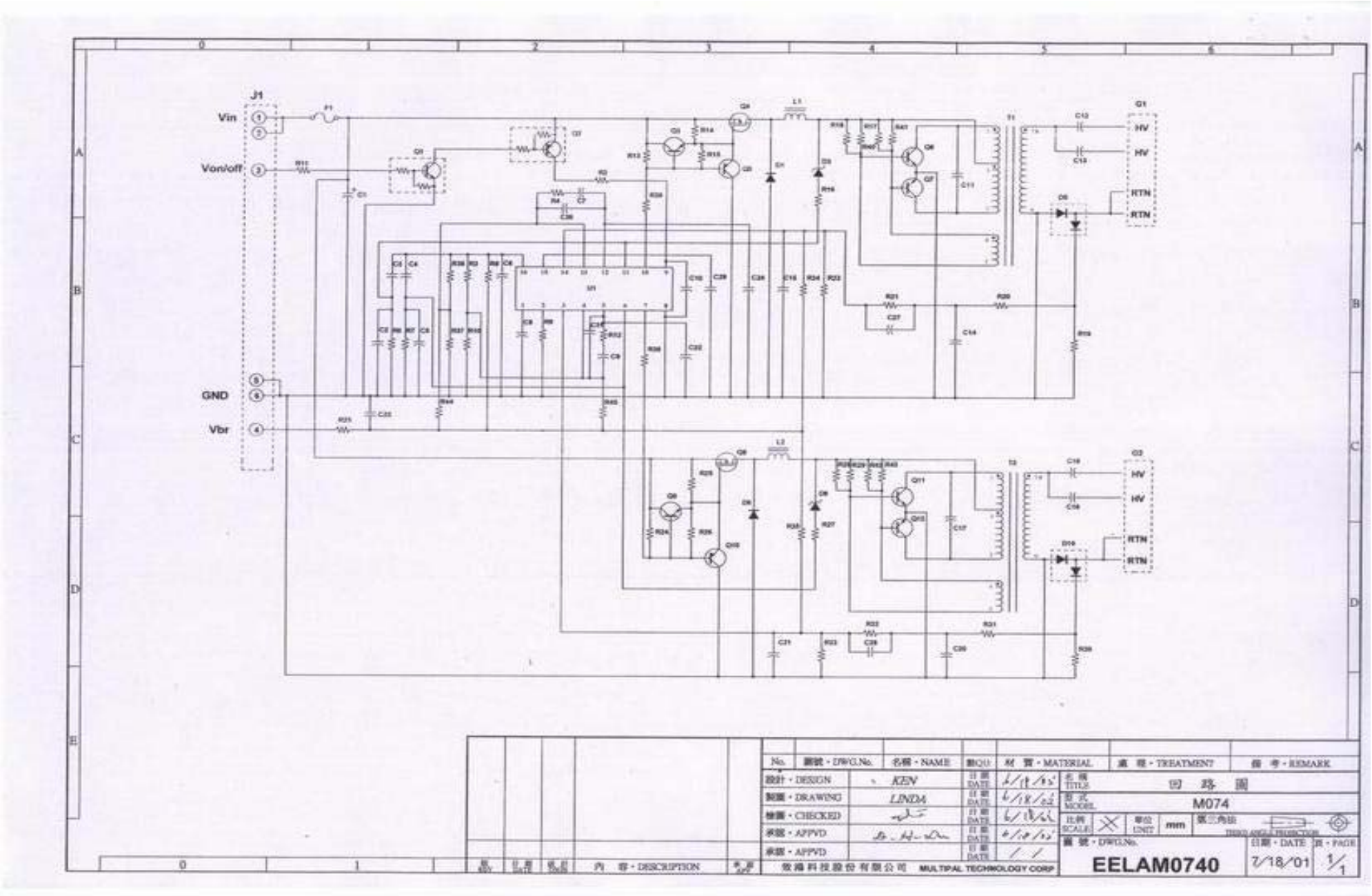

Take off
C136,137,138,139,140,142,143,144,146,148,149
C152,153,154,155,156,157,160,161,192,203
R99,101,105,107,108,110,112,114,116,121,124
R148,149,D16,CN5,CN7

| MUTE | MODE | GAIN | SDWN | HPS |
|---|---|---|---|---|
| 0 | 1 | 1 | 0 | 0 |

***3/18 change GND***

**Proview Electronics (Taiwan) Co., LTD.**
6F, NO.1, Pau-Sheng Rd., Yung-Ho City,
Taipei County, Taiwan R.O.C.
Tel: 886-2-2231-6789 Fax: 886-2-2232-4613

| | | |
|---|---|---|
| Title | AUDIO | |
| Size | Document Number 200-100-776D-D (PV7-S2) | Rev A |
| Date: Thursday, September 18, 2003 | Sheet 6 of 6 | |


J1
Vin
Von/off
GND
Vbr
HV
HV
RTN
RTN
HV
HV
RTN
RTN
No.
DWG.No.
NAME
MATERIAL
TREATMENT
REMARK
DESIGN
AEN
DRAWING
LINDA
CHECKED
APPVD
APPVD
DESCRIPTION
MULTIPAL TECHNOLOGY CORP
TITLE
電路圖
MODEL
M074
SCALE
UNIT
mm
DWG.No.
EELAM0740
DATE
7/18/01
PAGE
1/1

# Memu