

Service
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Service Manual

Horizontal Frequency
30- 83KHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

GB 3138 106 10516

Revision List

[illegible]

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all Philips Company Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, Philips Company will be referred to as Philips.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design.

Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

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

1. Monitor Specifications

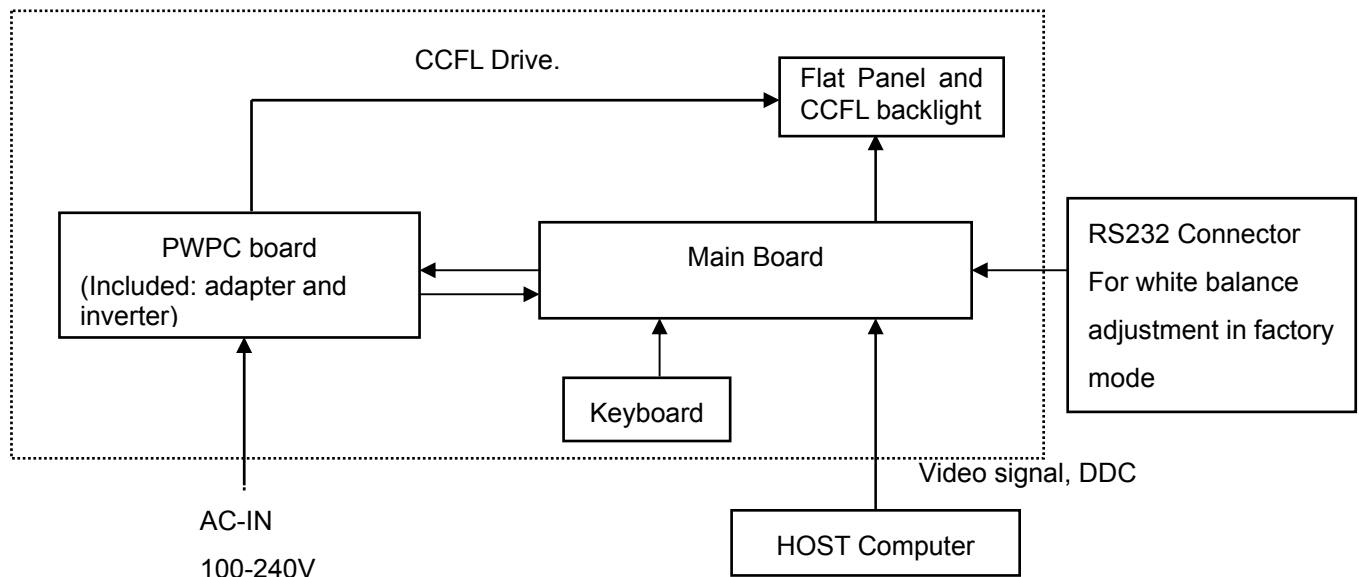
LCD Panel	Screen type	Active matrix - TFT LCD
	Size	430mm (17.0")
	Pixel pitch	0.264mm(H) x 0.264mm(V)
	Response time	8 ms
Input	Video	R, G, B Analog Interface; DVI Digital Interface
	Separate Sync	TTL level, input impedance 2.2k OHM terminate
	Horizontal Frequency	30kHz – 83kHz
	Vertical refresh rate	56 - 76Hz
Display Colors		16.2 M
Video dot rate		140 MHz
Maximum Resolution		1280 x 1024 at 76Hz (analog input)
Recommended Resolution		1280 x 1024 at 60Hz (analog input)
Plug & Play		VESA DDC2B
Power Consumption		Power on: < 30 W Power off: < 1 W
Input Connector	D -Sub 15pin	
	DVI 24pin	
Input Video Signal		0.7 Vp-p, input impedance, 75 ohm @DC
Tilt		-5° ~ 25°
Maximum Screen Size		Horizontal: 337.9mm; Vertical: 270.3 mm
Power Source		100-240 VAC, 50/60 Hz
Environmental Considerations		Operating Temp: 5°C to 40°C Storage Temp.: -20°C to 60°C Relative Humidity: 20%-80% Max
Weight (Net)		4.7kg
Cabinet color		170S7FG: Light Gray 170S7FB: Black 170S7FS: Silver

2. LCD Monitor Description

The LCD MONITOR will contain a main board, PWPC board, keypad board, which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



3. Operation instructions

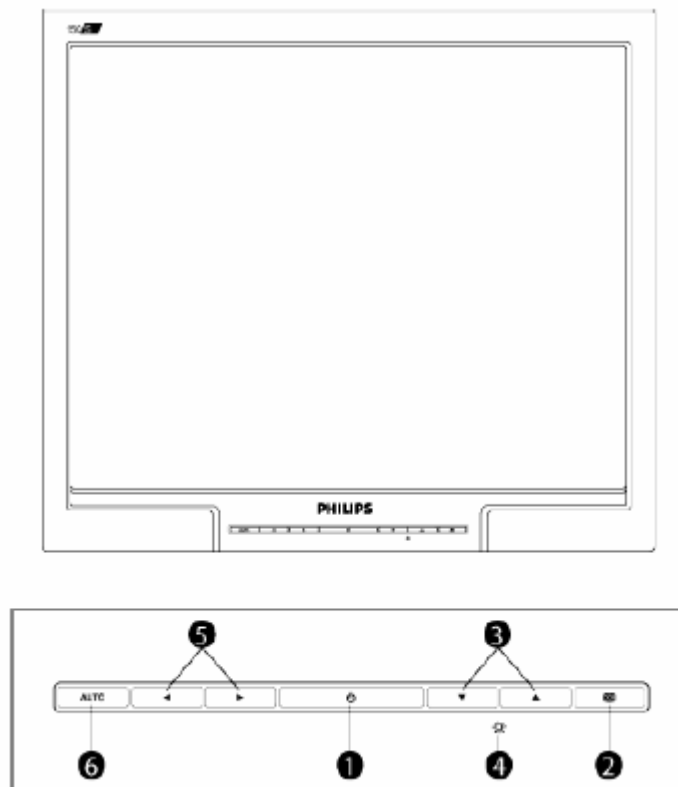
3.1 General Instructions






Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

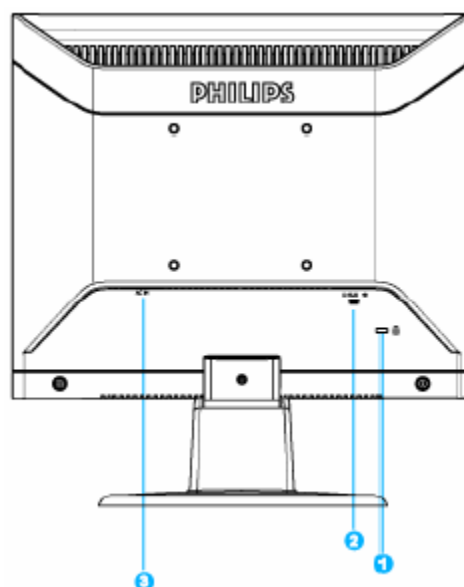
3.2 Control Buttons

Front View

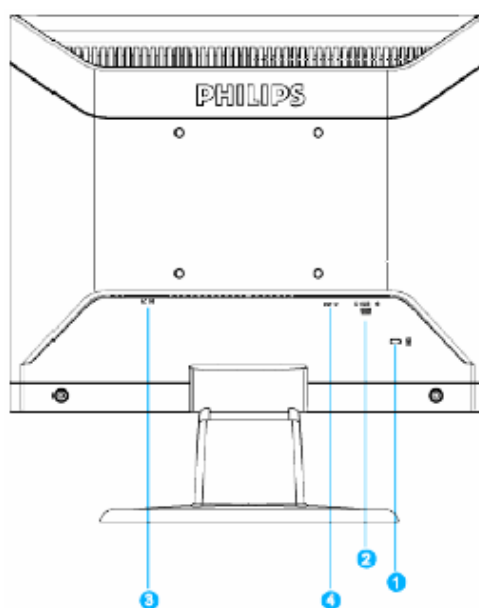


- | | | |
|---|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 1 |  | To switch monitor's power On and Off |
| 2 |  | To access OSD menu |
| 3 |  | To adjust the OSD |
| 4 |  | To adjust brightness of the display |
| 5 |  | To adjust the OSD |
| 6 | AUTO | Automatically adjust the horizontal position, vertical position, phase and clock settings. |

Back View






- 1 Kensington anti-thief lock
 - 2 VGA input
 - 3 AC power input
- (for only analog input)



- 1 Kensington anti-thief lock
 - 2 VGA input
 - 3 AC power input
 - 4 DVI-D input
- (for dual input)

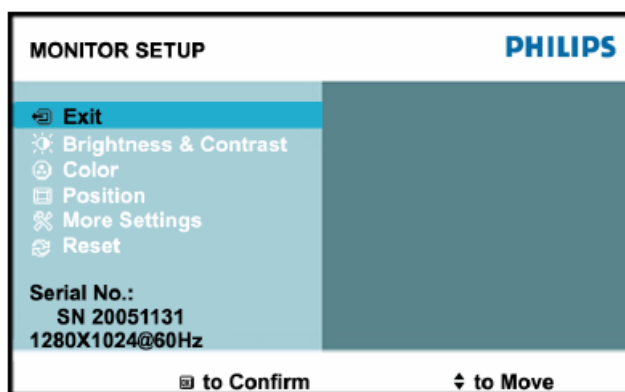
3.3 Adjusting the Picture

This is a feature in all Philips LCD monitors. It allows an end user to adjust screen performance of the monitors directly through an on-screen instruction window. The user interface provides user-friendliness and ease-of-use when operating the monitor.

When you press the  button on the front control of your monitor, the On-Screen Display (OSD) main controls window will pop up and you can then start making adjustments to your monitor's various features. Use the  or the  keys to make your adjustments.

To Lock/Unlock OSD function (User Mode)

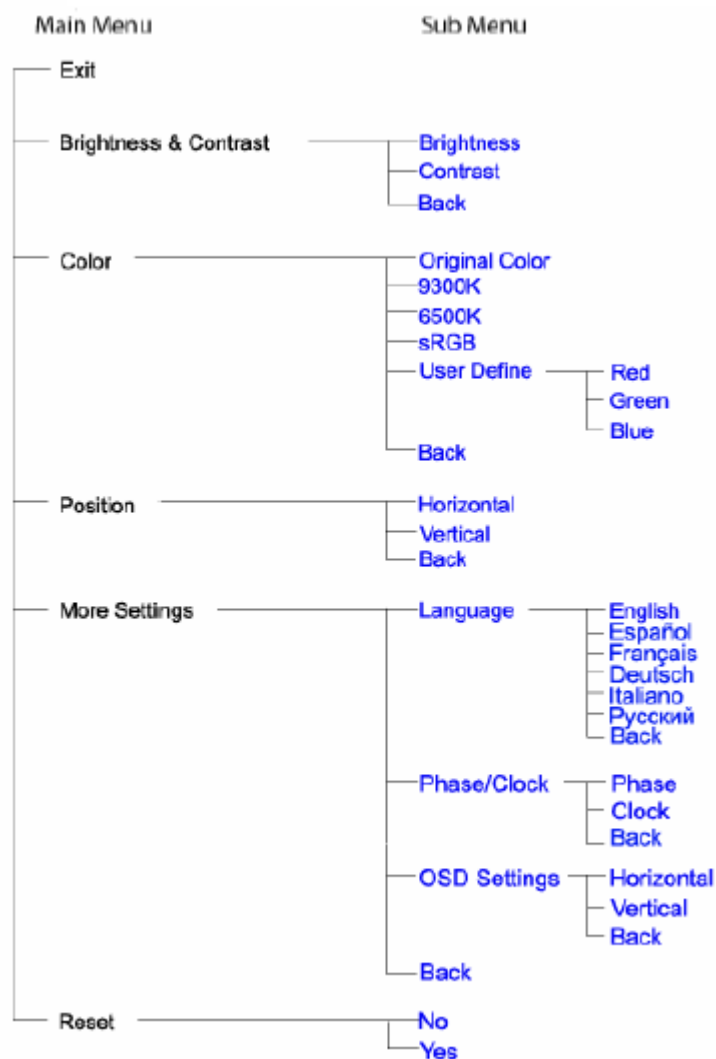
The OSD function can be locked by pressing "MENU" button for more than 10 seconds. Locked OSD function can be released by pressing "MENU" button for more than 10 seconds again.



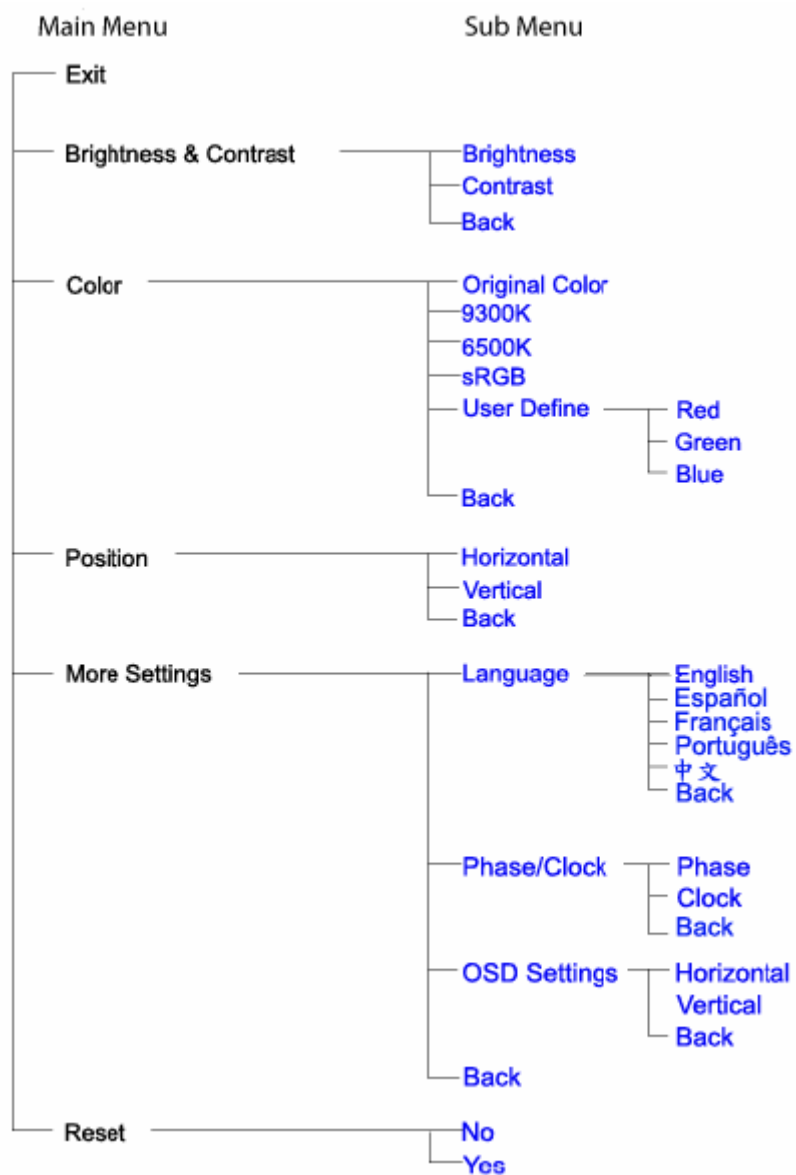
The OSD tree

Below is an overall view of the structure of the On-Screen Display. You can use this as a reference when you want to work your way around the different adjustments later on.

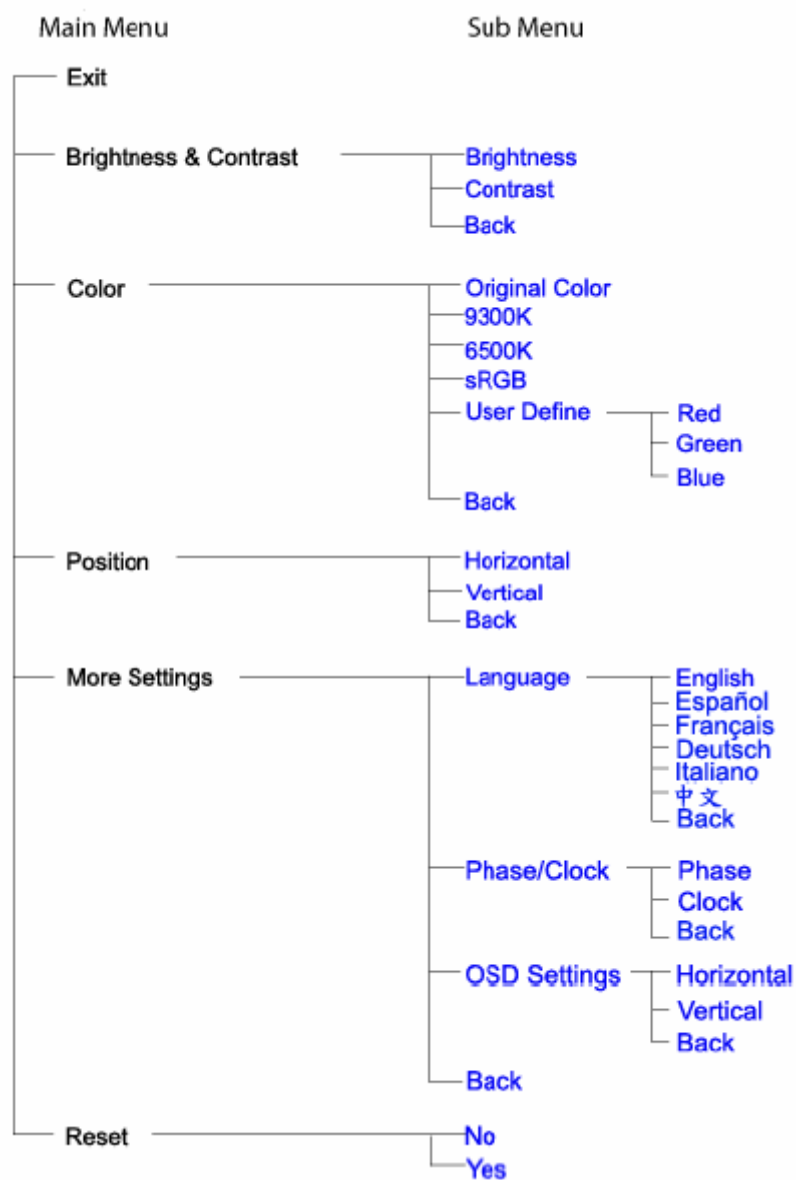
Only available for Europe Model



Only available for Nafta Model

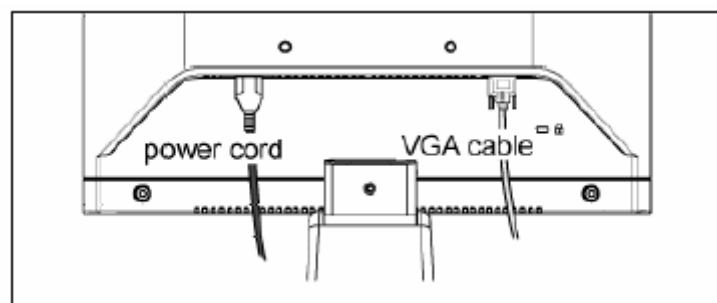


Only available for Asia Pacific Model

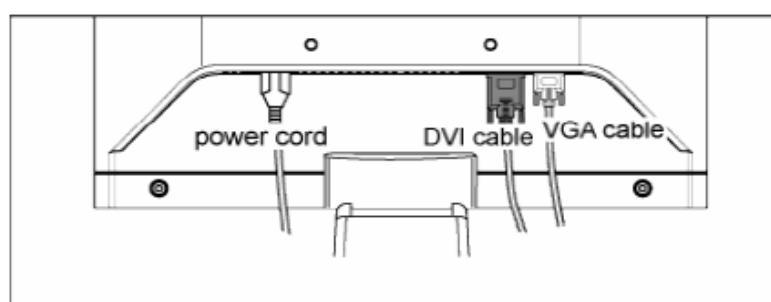


3.4 Connecting to the PC

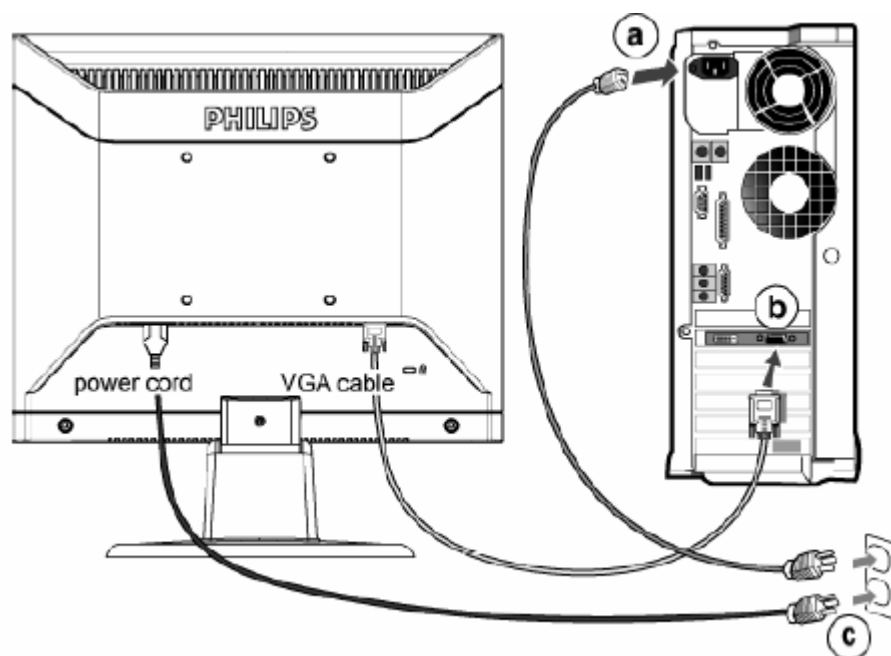
1) Connect the power cord to the back of the monitor firmly. (Philips has pre-connected) VGA cable for the first installation.)



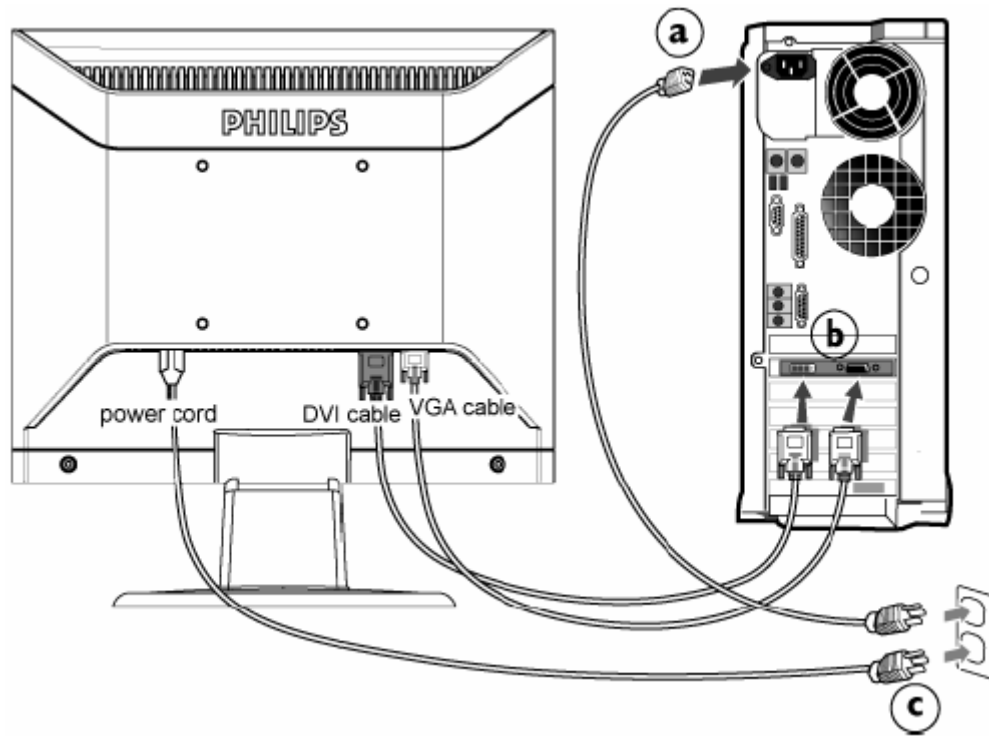
(for only analog input)



(for dual input)



(for only analog input)



(for dual input)

2) Connect to PC

- (a) Turn off your computer and unplug its power cable.
- (b) Connect the monitor signal cable to the video connector on the back of your computer.
- (c) Plug the power cord of your computer and your monitor into a nearby outlet.
- (d) Turn on your computer and monitor. If the monitor displays an image, installation is complete.

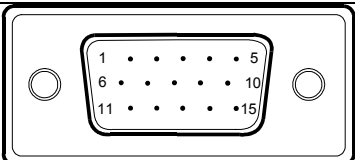
4. Input/Output Specification

4.1 Input Signal Connector

4.1.1 VGA Connector

Pin NO.	Description	Pin NO.	Description
1.	Red Video input	9.	DDC +5V
2.	Green Video input (SOG)	10.	Logic GND
3.	Blue Video input	11.	Ground
4.	Sense (GND)	12.	Serial data line (SDA)
5.	Cable Detect	13.	H.sync/H + V.sync
6.	Red Video Ground	14.	V.Sync
7.	Green Video Ground	15.	Data Clock Line (SCL)
8.	Blue Video Ground		

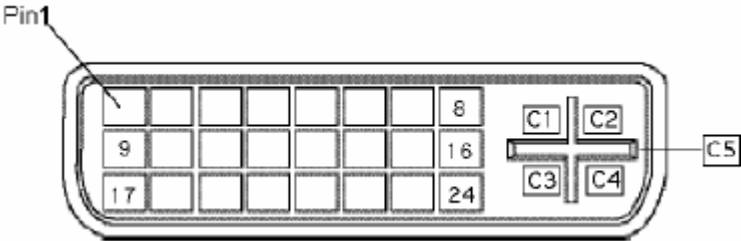
VGA Connector layout



4.1.2 DVI Connector

Pin NO.	Description	Pin NO.	Description
1.	T.M.D.S.Data2-	13.	No connect
2.	T.M.D.S.Data2+	14.	+ 5V Power
3.	T.M.D.S.Data2/4 Shield	15.	Ground (for +5V)
4.	No connect	16.	Hot Plug Detect
5.	No connect	17.	T.M.D.S.Data0-
6.	DDC Clock	18.	T.M.D.S.Data0+
7.	DDC Data	19.	T.M.D.S.Data0/5 Shield
8.	No connect	20.	No connect
9.	T.M.D.S.Data1-	21.	No connect
10.	T.M.D.S.Data1+	22.	T.M.D.S. Clock Shield
11.	T.M.D.S.Data1/3 Shield	23.	T.M.D.S. Clock +
12.	No connect	24.	T.M.D.S. Clock -

DVI Connector layout



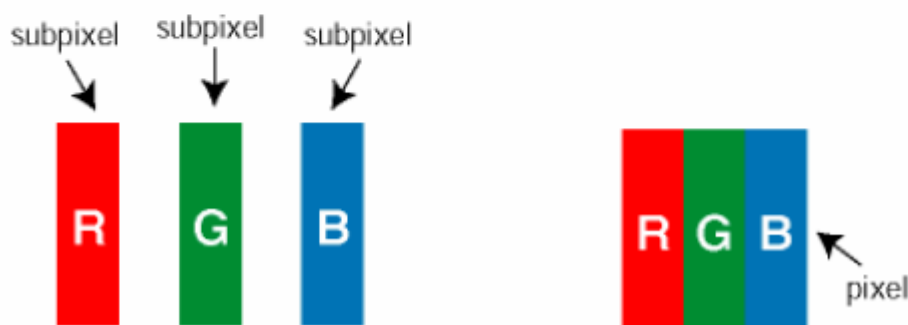
4.2 Factory Preset Display Modes

H. freq (kHz)	Resolution	V. freq (Hz)
31.469	720*400	70.087
31.469	640*480	59.940
37.861	640*480	72.809
37.500	640*480	75.000
35.156	800*600	56.250
37.879	800*600	60.317
48.077	800*600	72.188
46.875	800*600	75.000
48.363	1024*768	60.004
56.476	1024*768	70.069
60.023	1024*768	75.029
67.500	1152*870	75.000
60.000	1280*960	60.000
63.981	1280*1024	60.020
79.976	1280*1024	75.025
35.000	640*480	67.000
49.700	832*624	75.000

4.3 Pixel Defect Policy

Philips' Flat Panel Monitors Pixel Defect Policy

Philips strives to deliver the highest quality products. We use some of the industry's most advanced manufacturing processes and practice stringent quality control. However, pixel or sub pixel defects on the TFT LCD panels used in flat panel monitors are sometimes unavoidable. No manufacturer can guarantee that all panels will be free from pixel defects, but Philips guarantees that any monitor with an unacceptable number of defects will be repaired or replaced under warranty. This notice explains the different types of pixel defects and defines acceptable defect levels for each type. In order to qualify for repair or replacement under warranty, the number of pixel defects on a TFT LCD panel must exceed these acceptable levels. For example, no more than 0.0004% of the sub pixels on a 17" XGA monitor may be defective. Furthermore, Philips sets even higher quality standards for certain types or combinations of pixel defects that are more noticeable than others. This policy is valid worldwide.



Pixels and Sub pixels

A pixel, or picture element, is composed of three sub pixels in the primary colors of red, green and blue. Many pixels together form an image. When all sub pixels of a pixel are lit, the three colored sub pixels together appear as a single white pixel. When all are dark, the three colored sub pixels together appear as a single black pixel. Other combinations of lit and dark sub pixels appear as single pixels of other colors.

Types of Pixel Defects

Pixel and sub pixel defects appear on the screen in different ways. There are two categories of pixel defects and several types of sub pixel defects within each category.

Bright Dot Defects Bright dot defects appear as pixels or sub pixels that are always lit or 'on'. That is, a *bright dot* is a sub-pixel that stands out on the screen when the monitor displays a dark pattern. There are the types of bright dot defects:



One lit red, green or blue sub pixel

Two adjacent lit sub pixels:

- Red + Blue = Purple
- Red + Green = Yellow
- Green + Blue = Cyan (Light Blue)

Three adjacent lit sub pixels (one white pixel)

Black Dot Defects Black dot defects appear as pixels or sub pixels that are always dark or 'off'. That is, a *dark dot* is a sub-pixel that stands out on the screen when the monitor displays a light pattern. These are the types of black dot defects:



One dark sub pixel

Two or three adjacent dark sub pixels

Proximity of Pixel Defects

Because pixel and sub pixels defects of the same type that are near to one another may be more noticeable, Philips also specifies tolerances for the proximity of pixel defects.

Pixel Defect Tolerances

In order to qualify for repair or replacement due to pixel defects during the warranty period, a TFT LCD panel in a Philips flat panel monitor must have pixel or sub pixel defects exceeding the tolerances listed in the following tables.

BRIGHT DOT DEFECTS	ACCEPTABLE LEVEL
MODEL	170S7
1 lit subpixel	3
2 adjacent lit subpixels	1
3 adjacent lit subpixels (one white pixel)	0
Distance between two bright dot defects*	>15mm
Total bright dot defects of all types	3

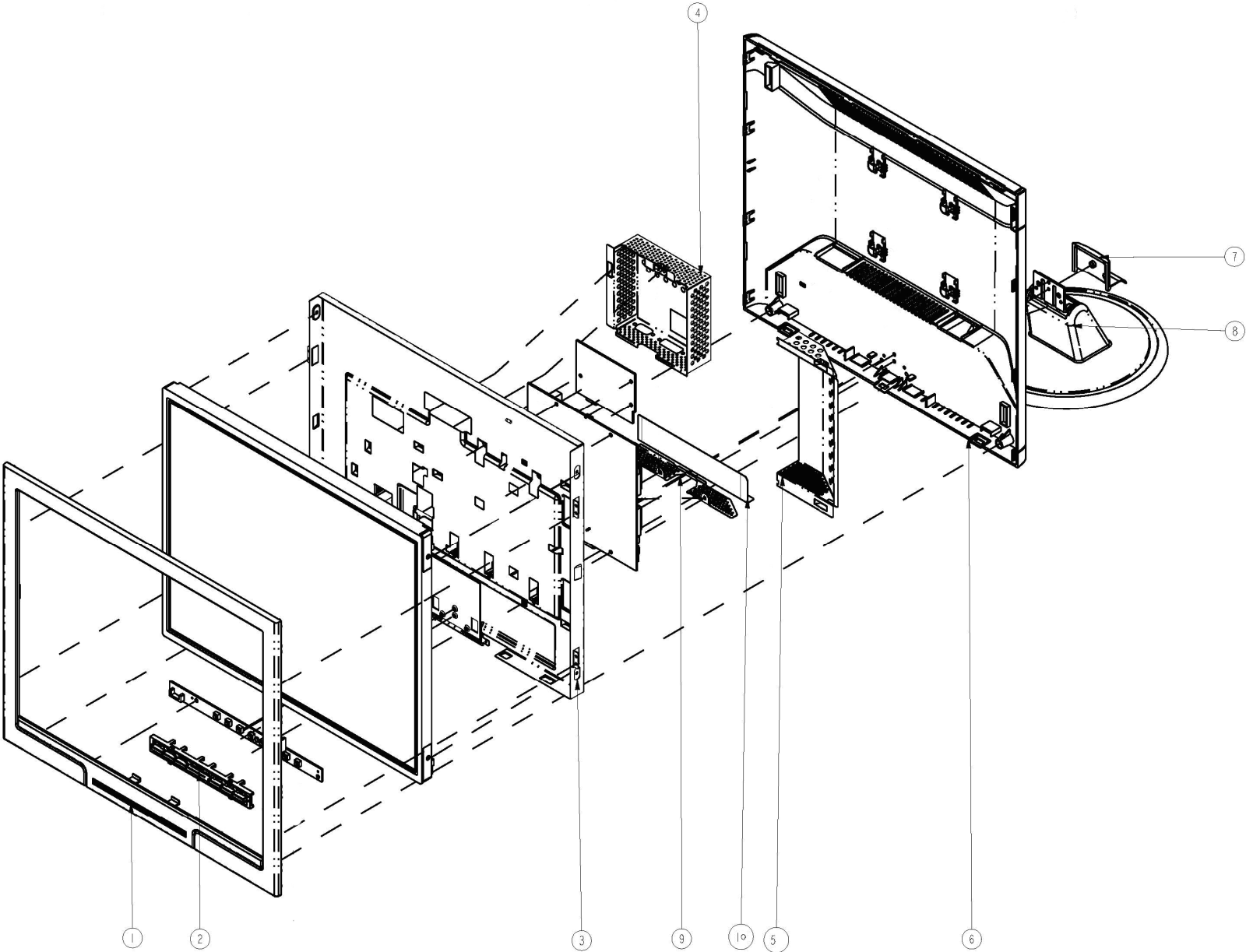
BLACK DOT DEFECTS	ACCEPTABLE LEVEL
MODEL	170S7
1 dark subpixel	4
2 adjacent dark subpixels	2
3 adjacent dark subpixels	0
Distance between two black dot defects*	>15mm
Total black dot defects of all types	4

TOTAL DOT DEFECTS	ACCEPTABLE LEVEL
MODEL	170S7
Total bright or black dot defects of all types	5

Note: * 1 or 2 adjacent sub pixel defects = 1 dot defect

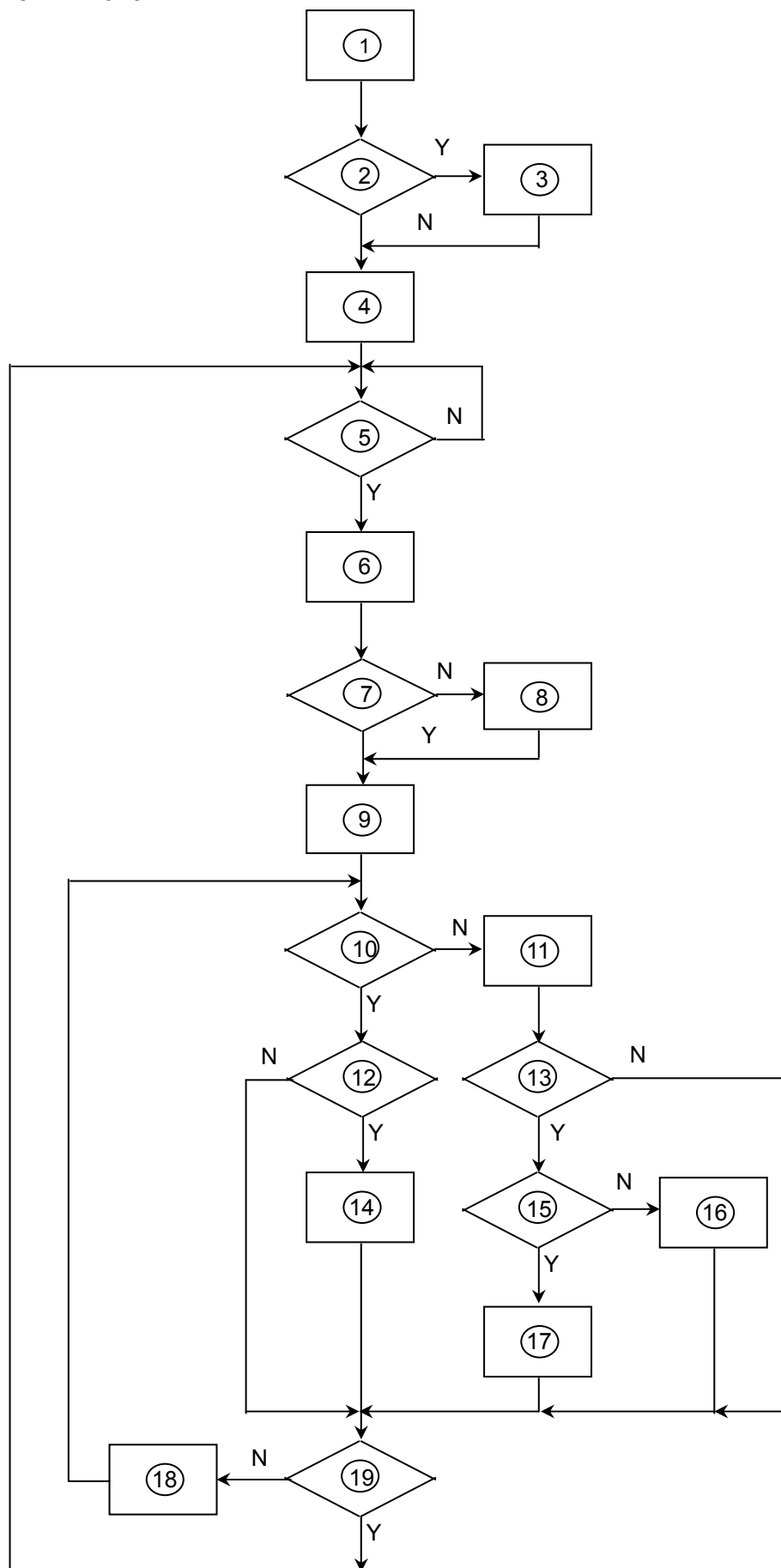
Your Philips monitor is ISO13406-2 Compliant

5. Block Diagram
5.1 Monitor Exploded View



Item	Description
(1)	BEZEL
(2)	KEY PAD
(3)	MAIN FRAME
(4)	SCALER SHIELDING
(5)	POWER SHIELDING
(6)	REAR COVER
(7)	COVER_HINGE
(8)	HINGE
(9)	POWER BRACKET
(10)	MYLAR

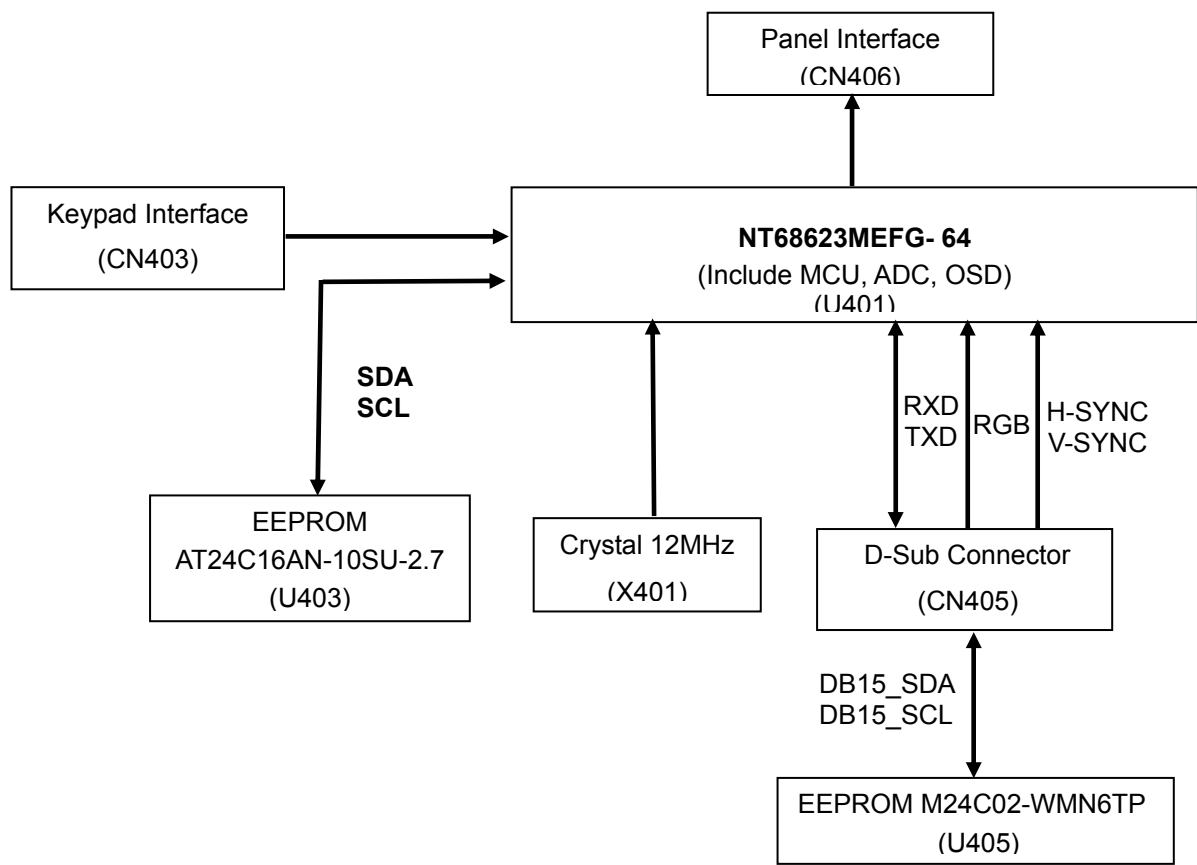
5.2 Software Flow Chart

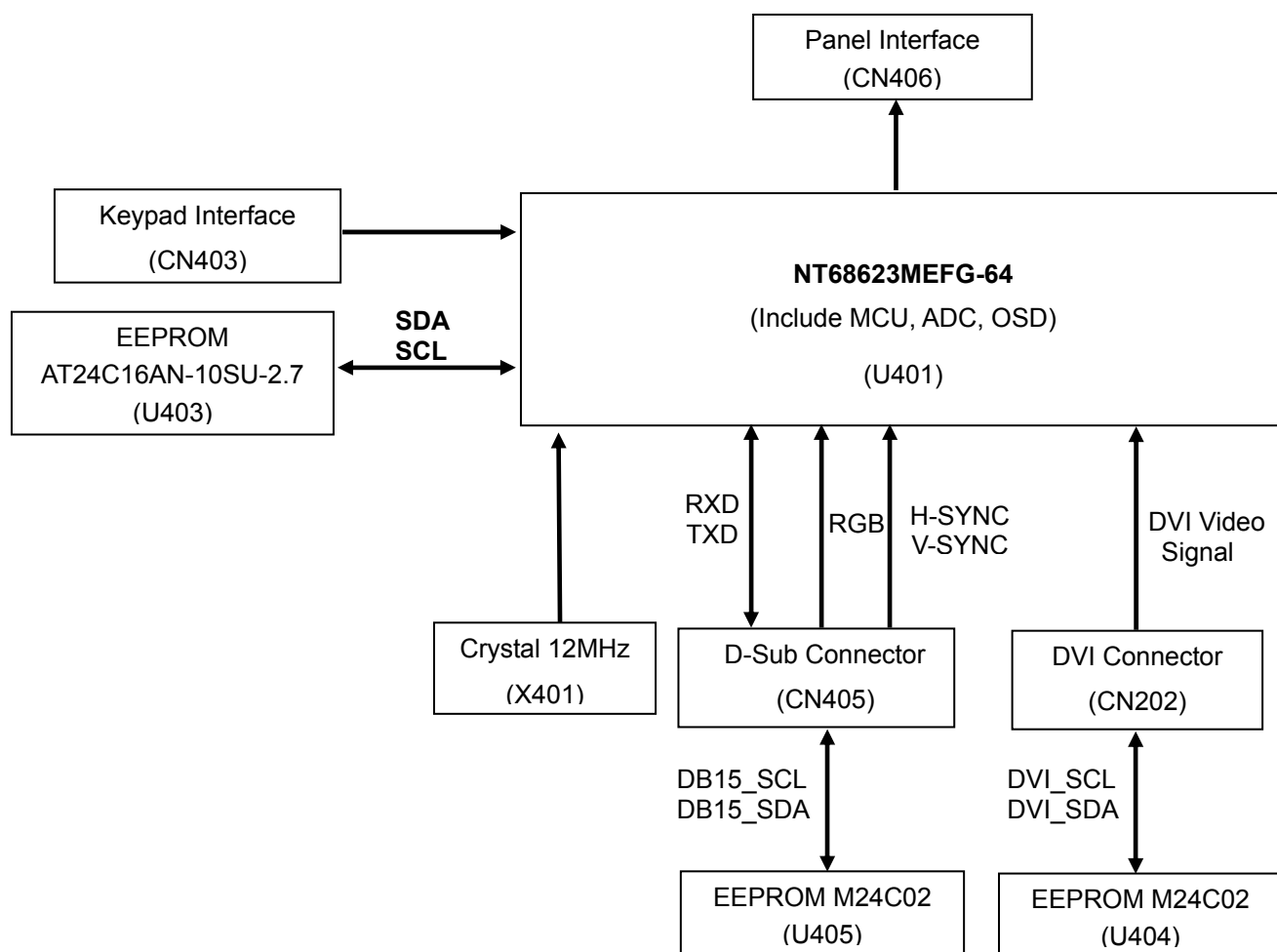


- 1) MCU Initializes.
- 2) Is the EEprom blank?
- 2) Program the EEprom by default values.
- 3) Get the PWM value of brightness from EEprom.
- 4) Is the power key pressed?
- 5) Clear all global flags.
- 6) Are the AUTO and SELECT keys pressed?
- 7) Enter factory mode.
- 8) Save the power key status into EEprom.
Turn on the LED and set it to green color. Scalar initializes.
- 9) In standby mode?
- 10) Update the lifetime of back light.
- 11) Check the analog port, are there any signals coming?
- 12) Does the scalar send out an interrupt request?
- 13) Wake up the scalar.
- 14) Are there any signals coming from analog port?
- 15) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappears.
- 16) Program the scalar to be able to show the coming mode.
- 17) Process the OSD display.
- 19) Read the keyboard. Is the power key pressed?

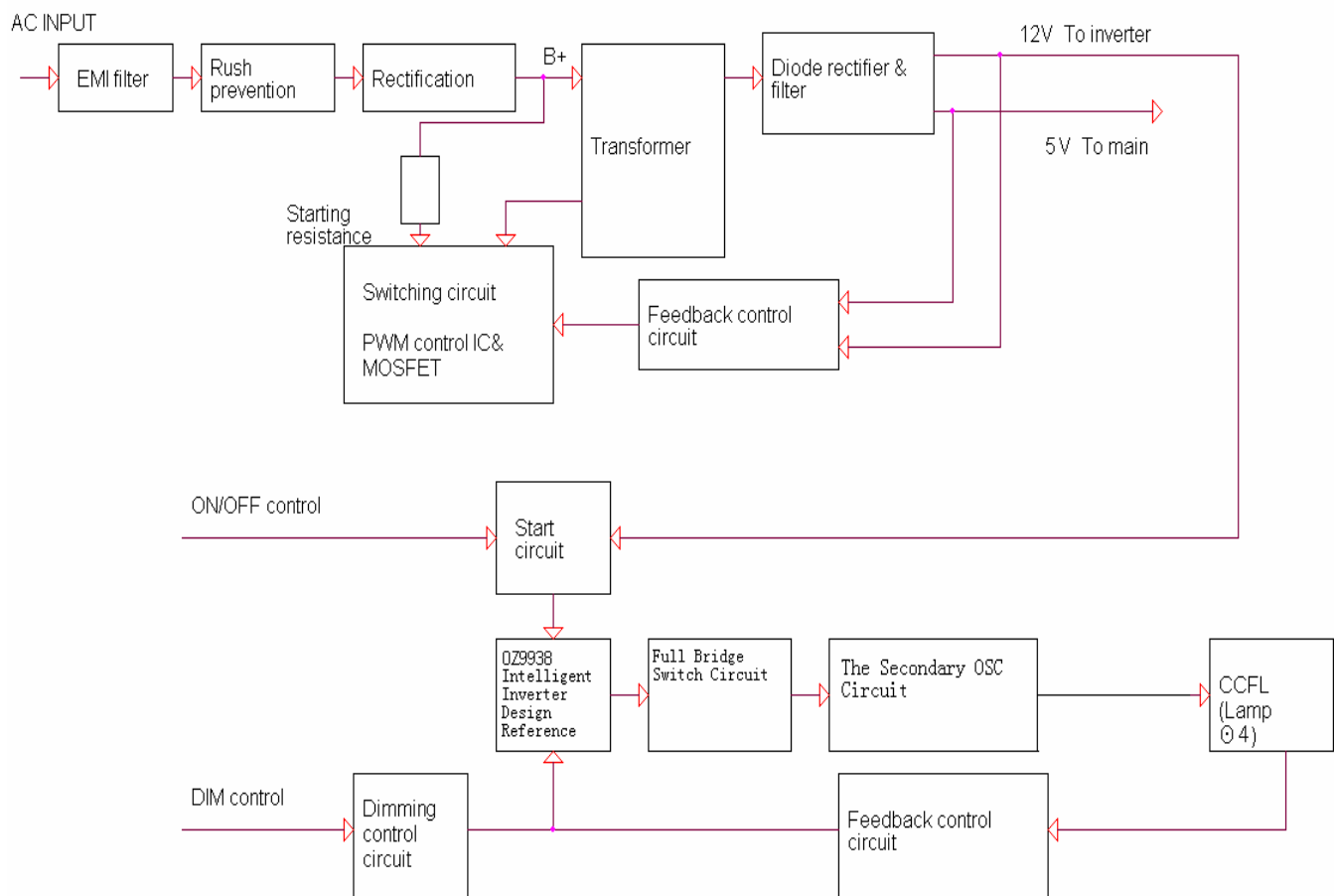
5.3 Electrical Block Diagram

5.3.1 Main Board





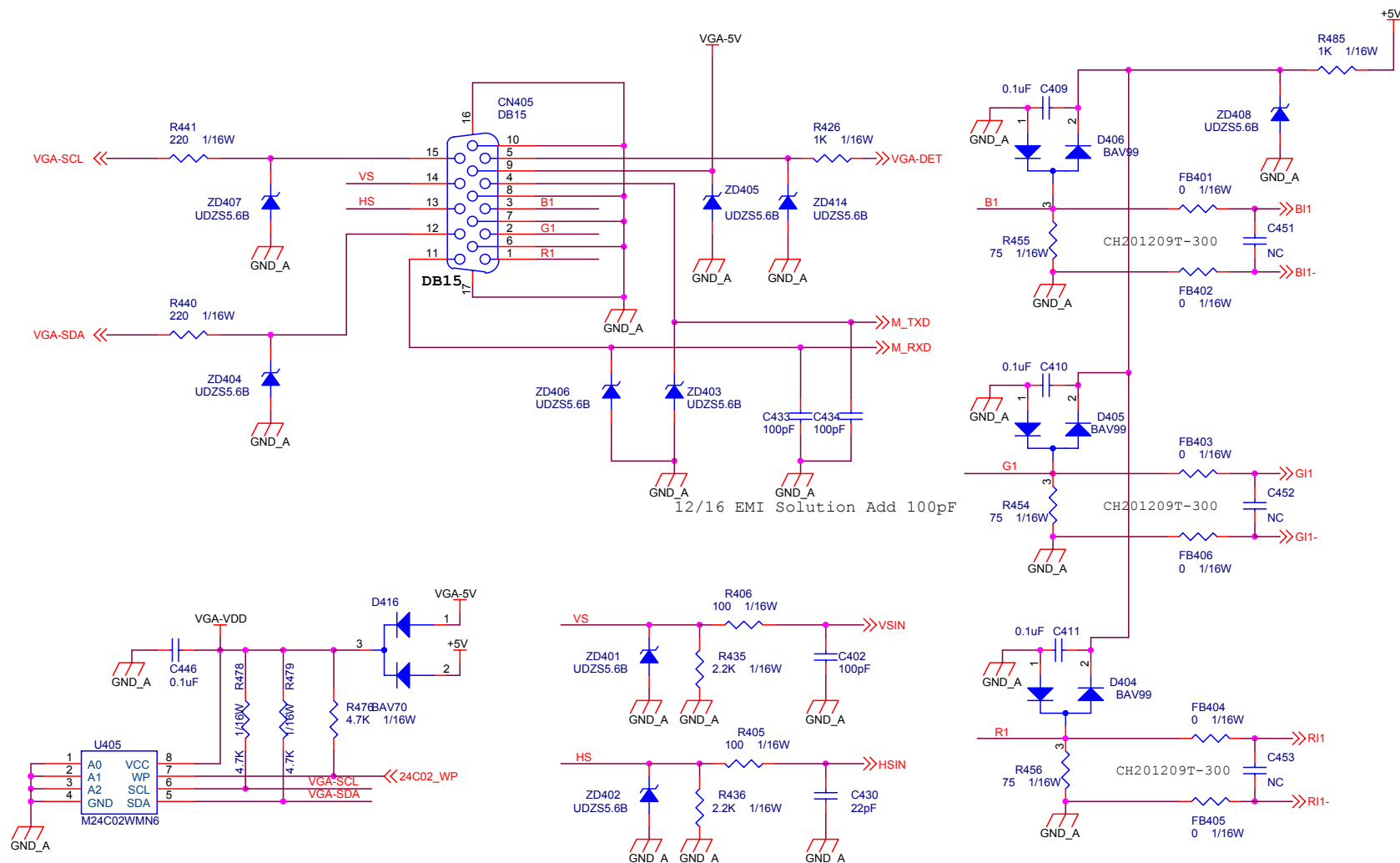
5.3.2 Inverter/Power Board



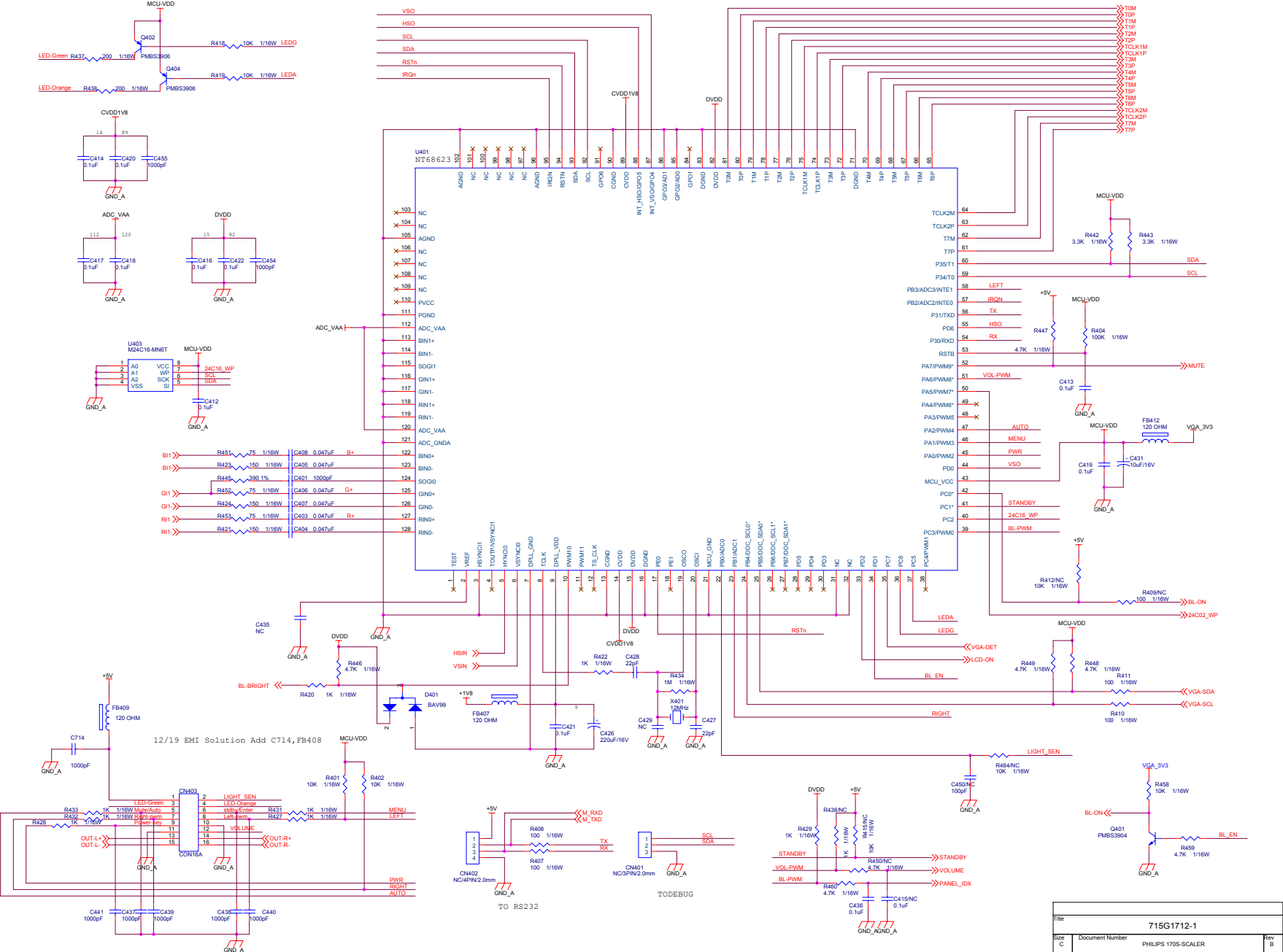
6. Schematic Diagram

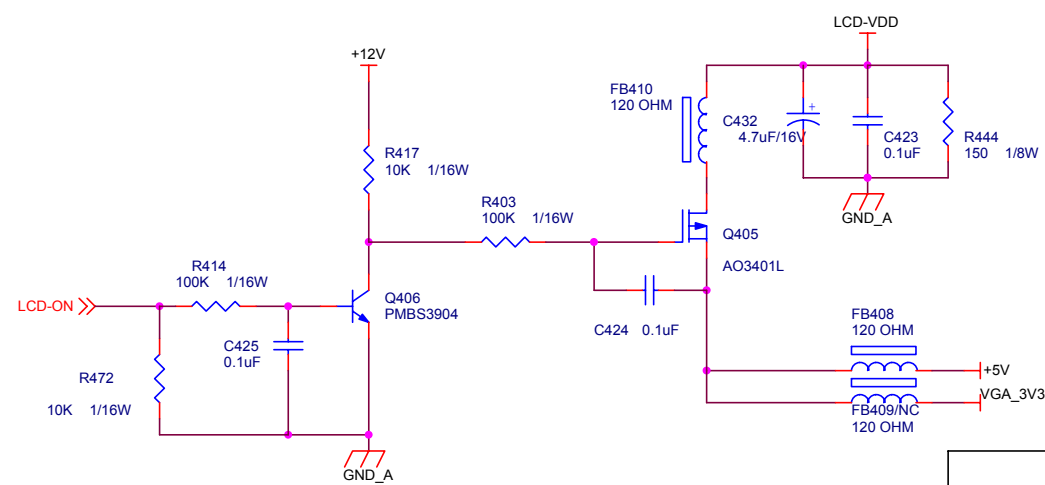
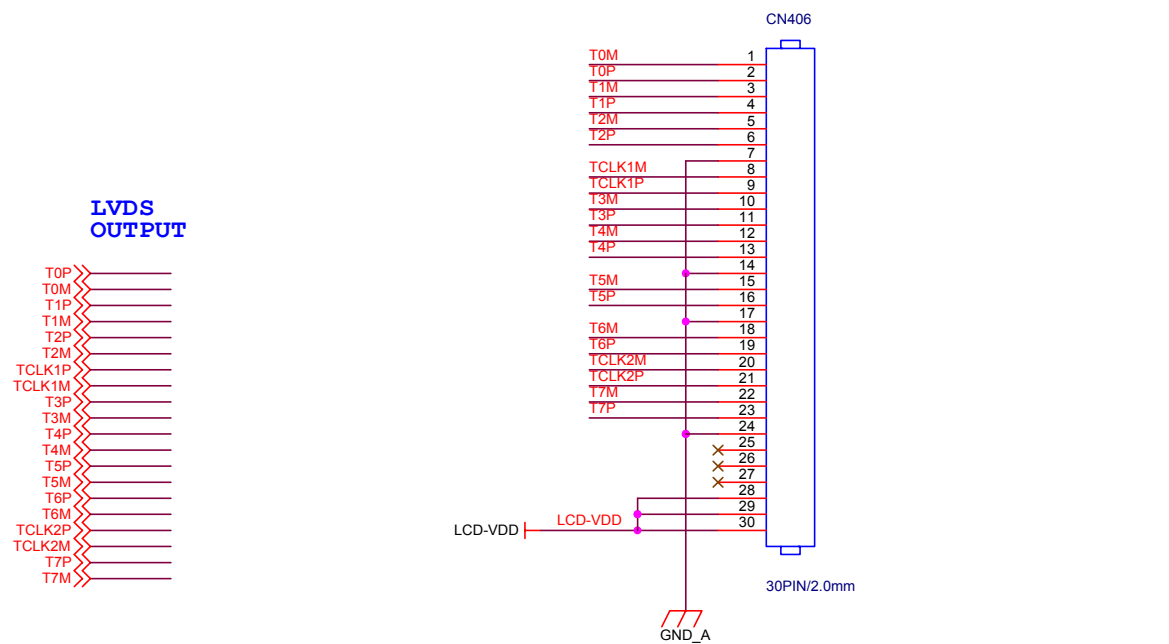
6.1 Main Board

715G1712-1

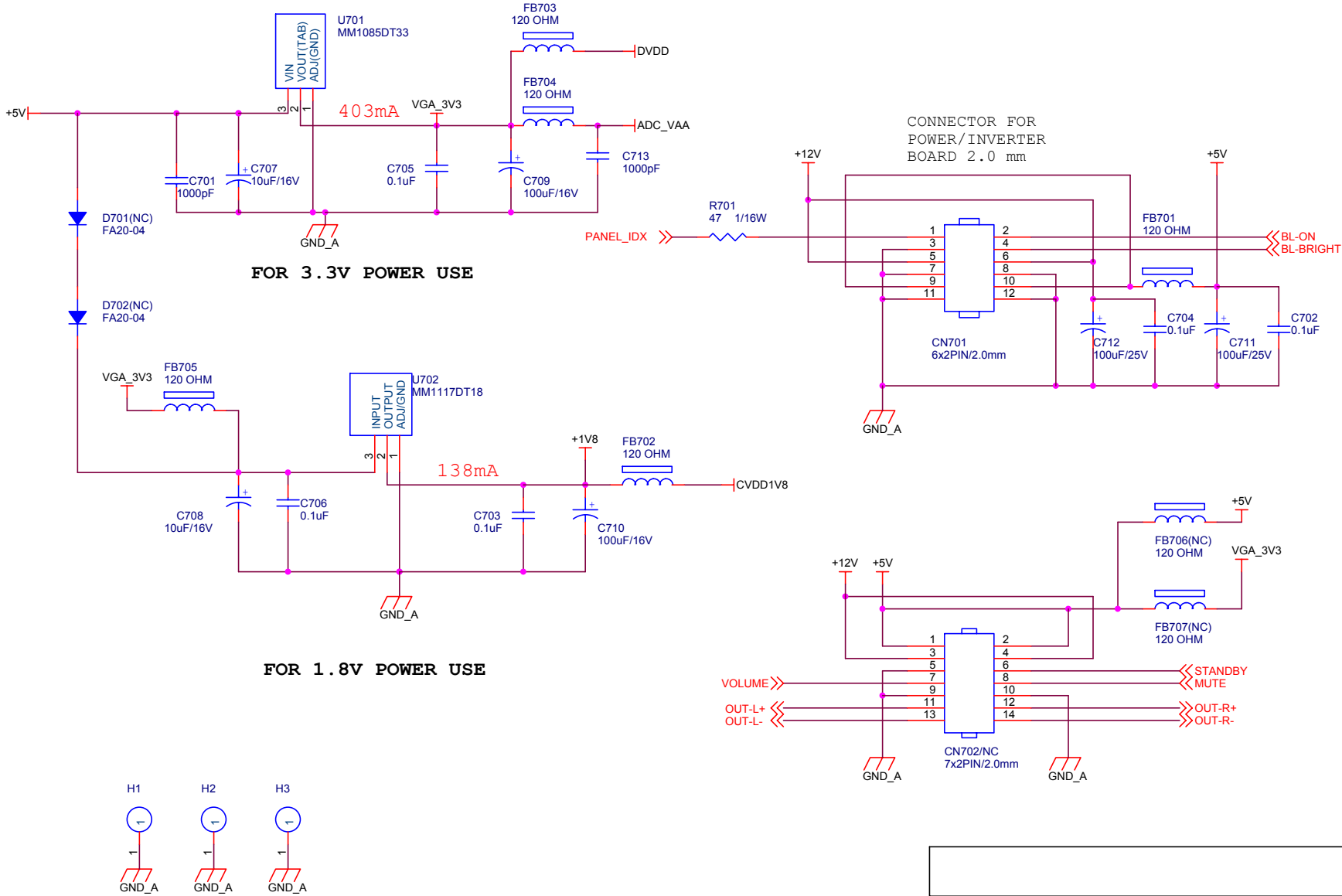


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Size A4	Document Number PHILIPS 170S-ADC Input	Rev B
Date: Thursday, March 02, 2006	Sheet 5	of 5



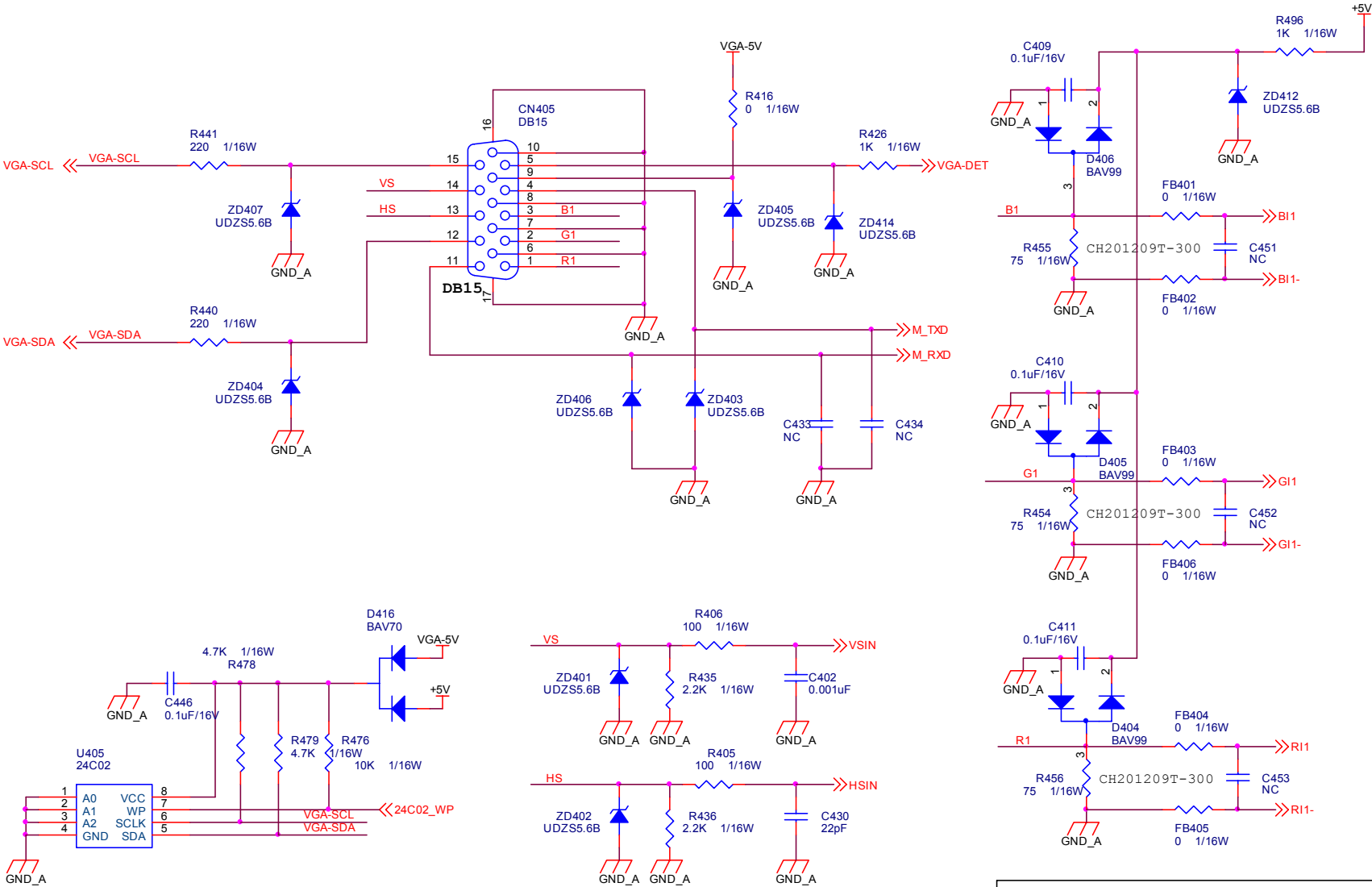


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Date:	Thursday, March 02, 2006	Sheet 3 of 5

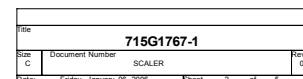


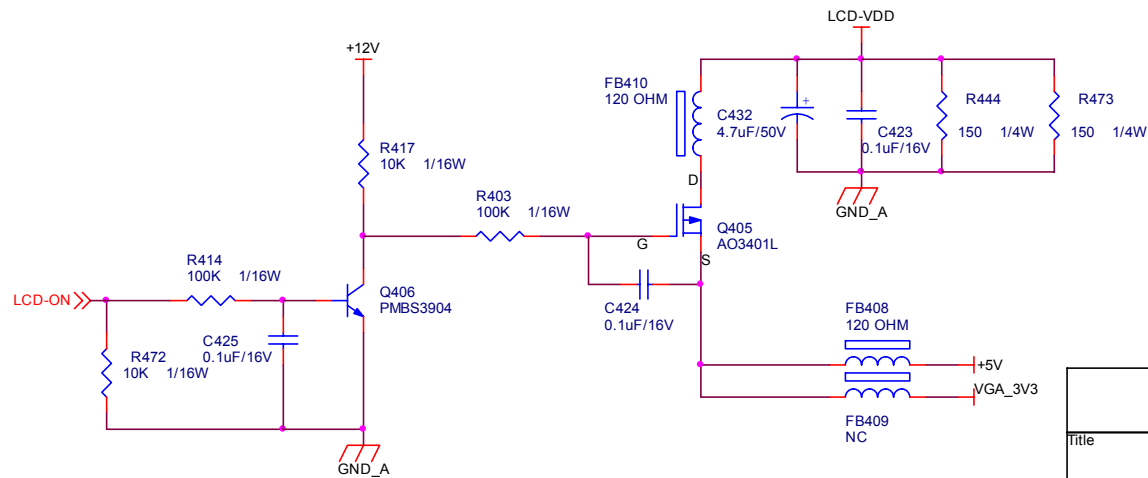
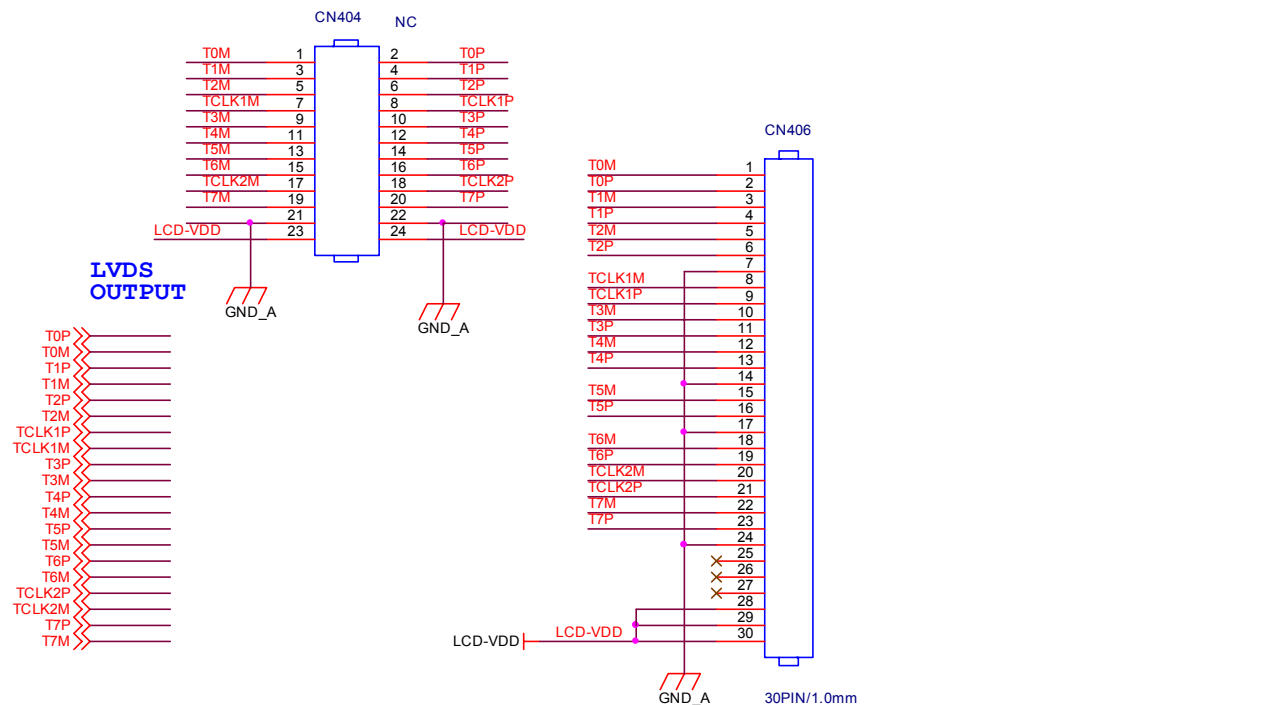
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Date:	Thursday, March 02, 2006	Sheet 2 of 5

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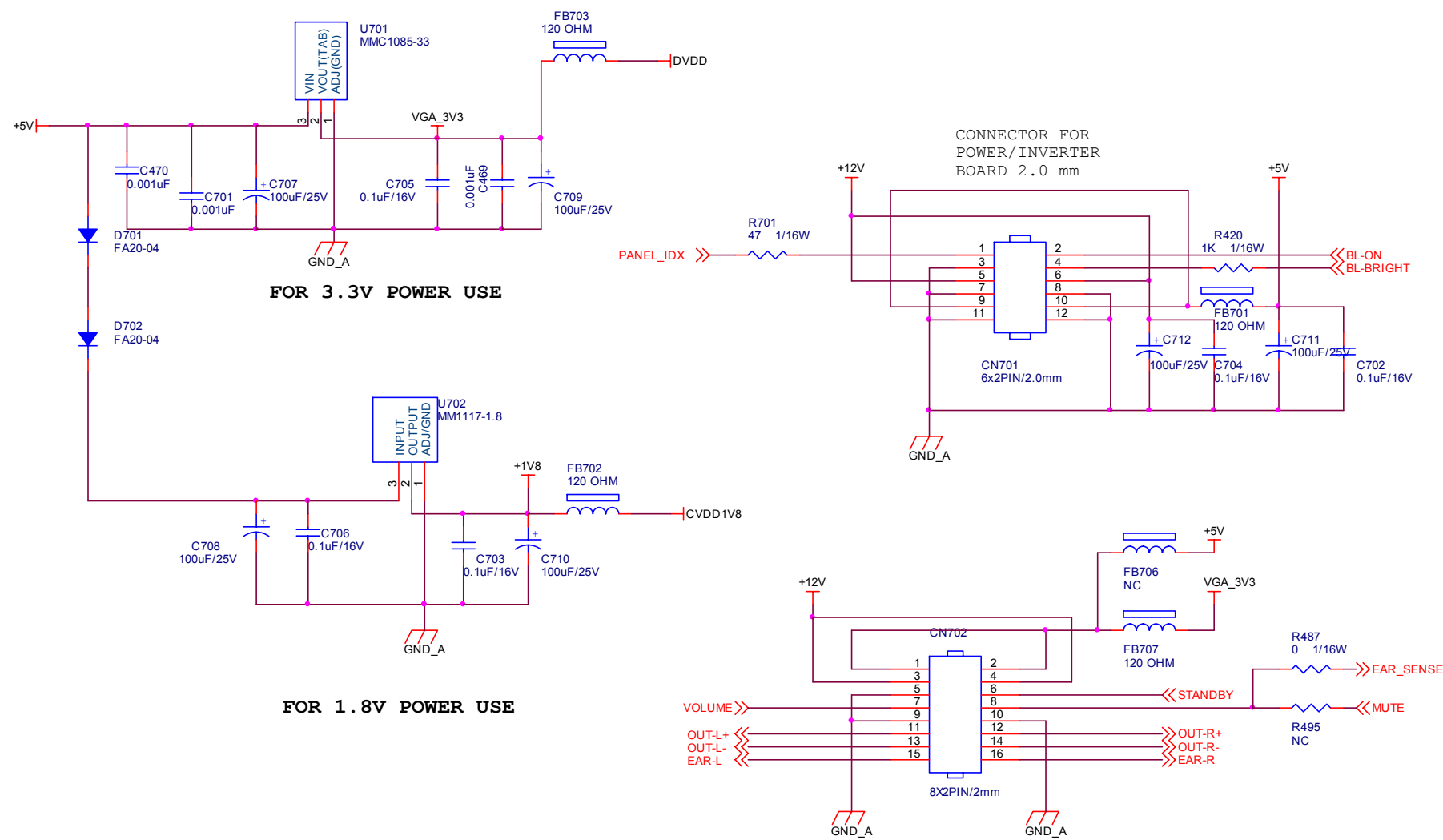


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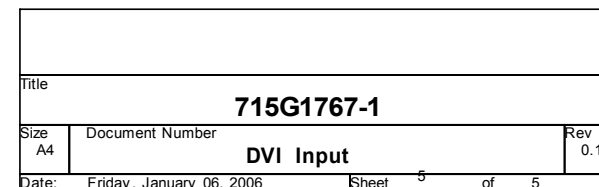




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Size	Document Number	Rev	
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Date:	Friday, January 06, 2006	Sheet	3 of 5

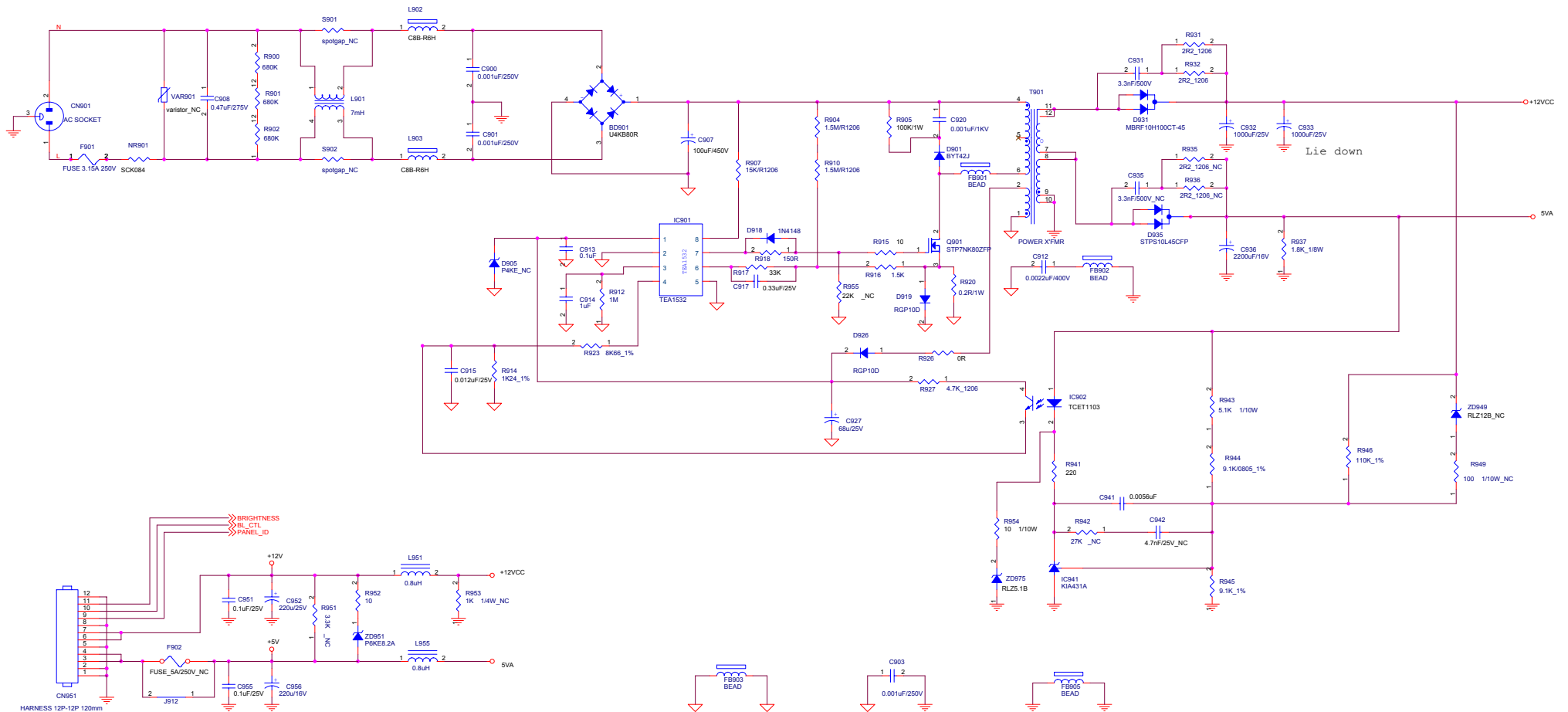


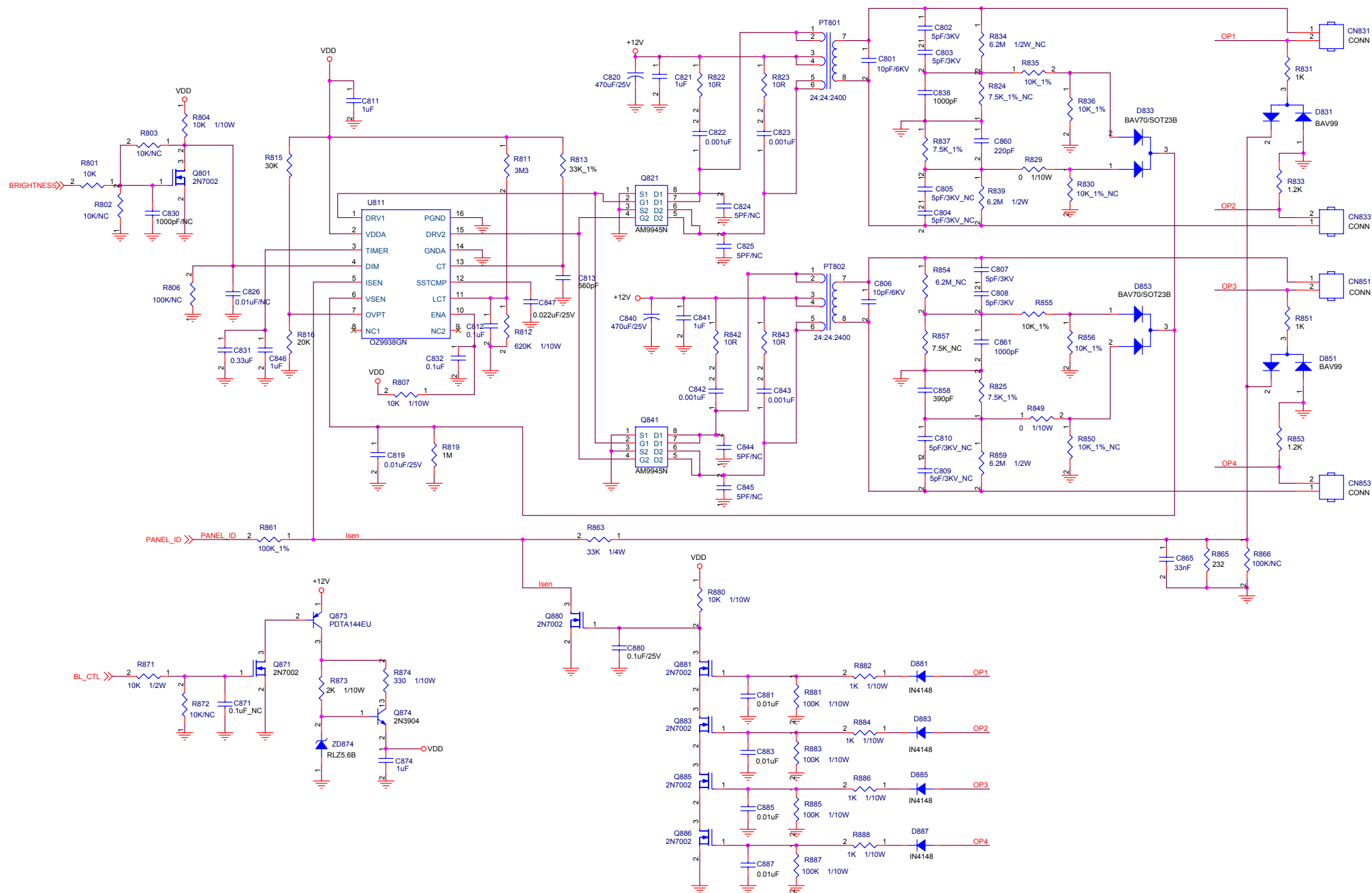
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Size	Document Number		Rev
A4	Scaler Power		0.1
Date:	Friday, January 06, 2006	Sheet	4 of 5



6.2 Power Board

PN : PWPC1742LGR1

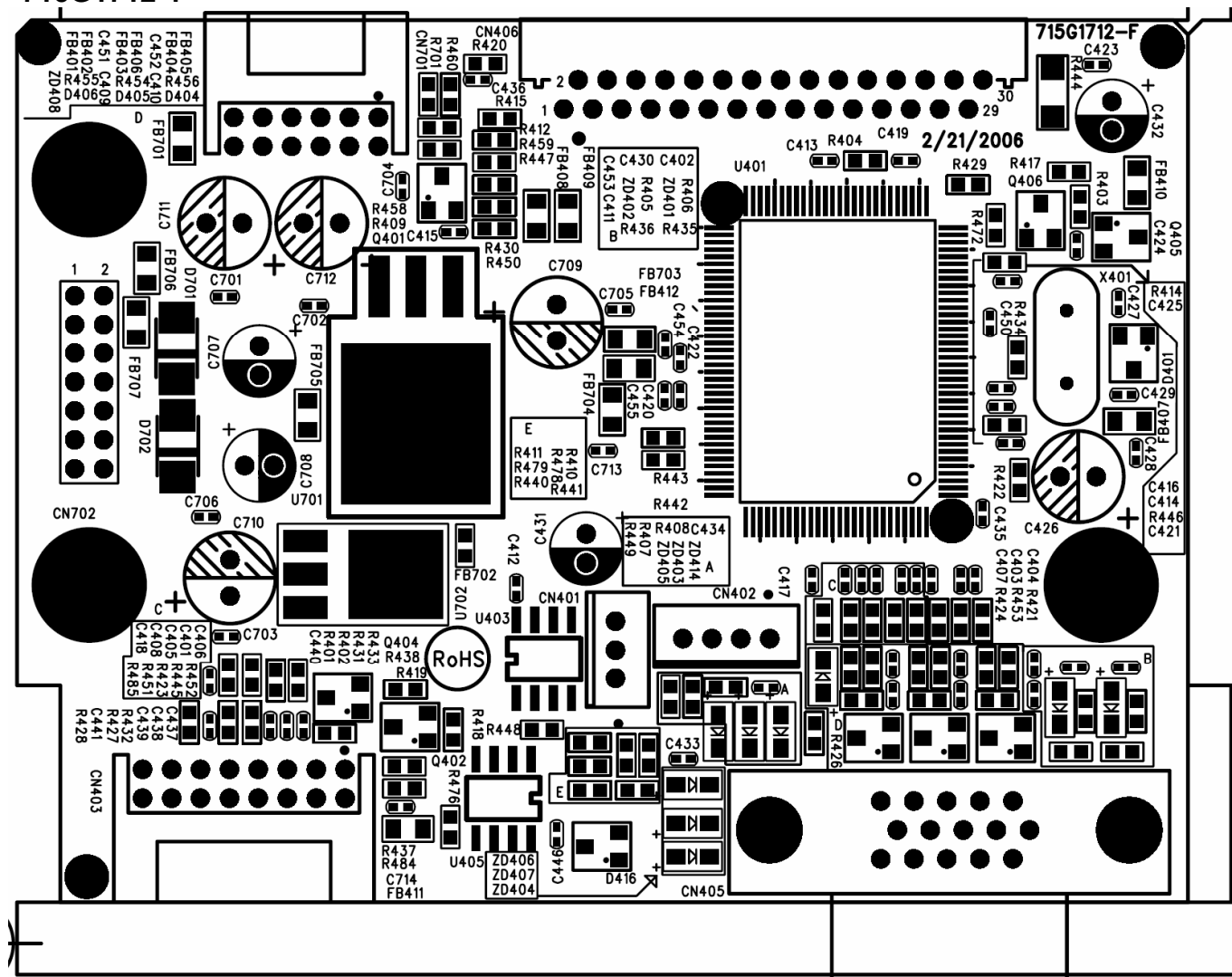


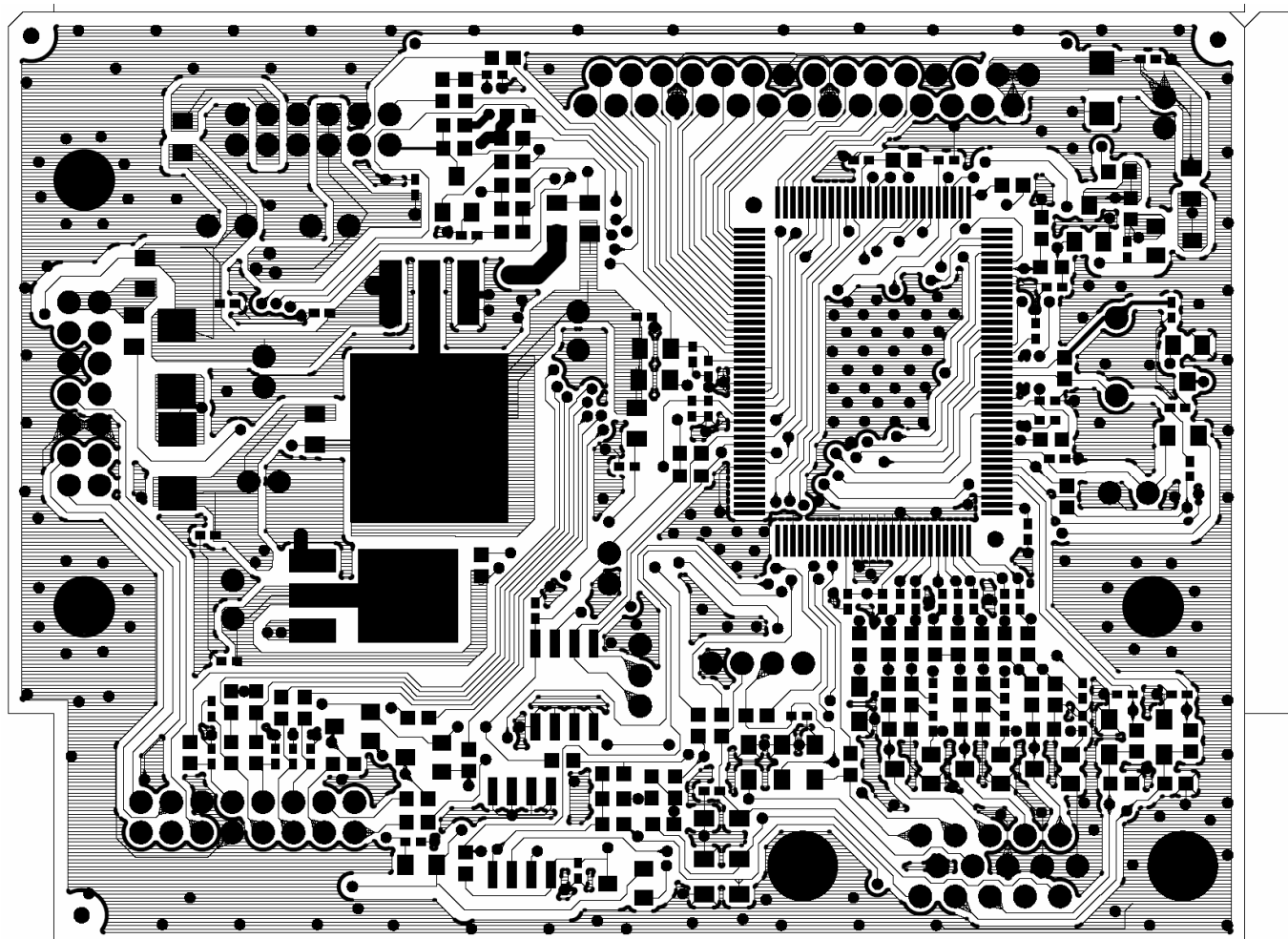


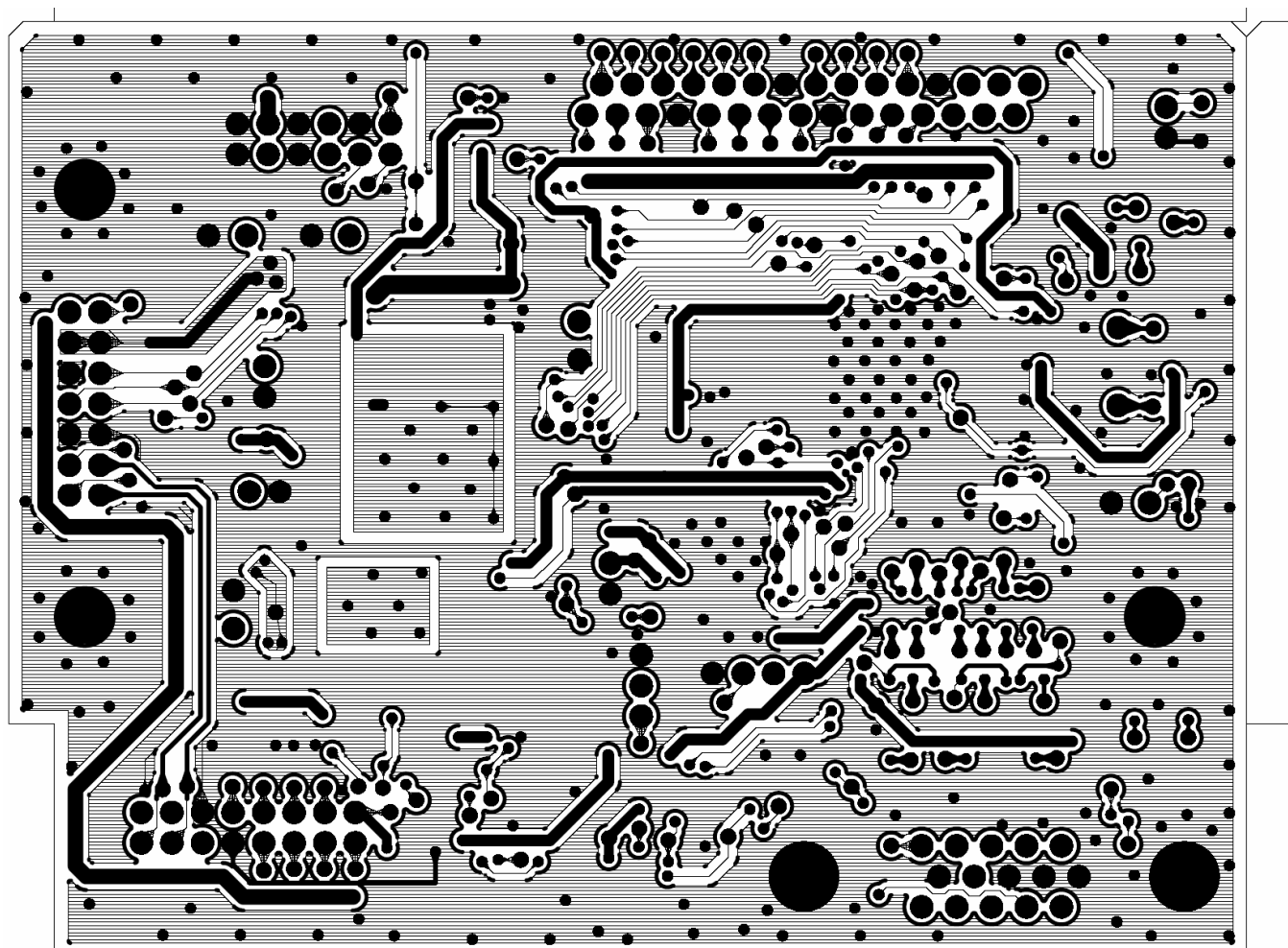
7. PCB Layout

7.1 Main Board

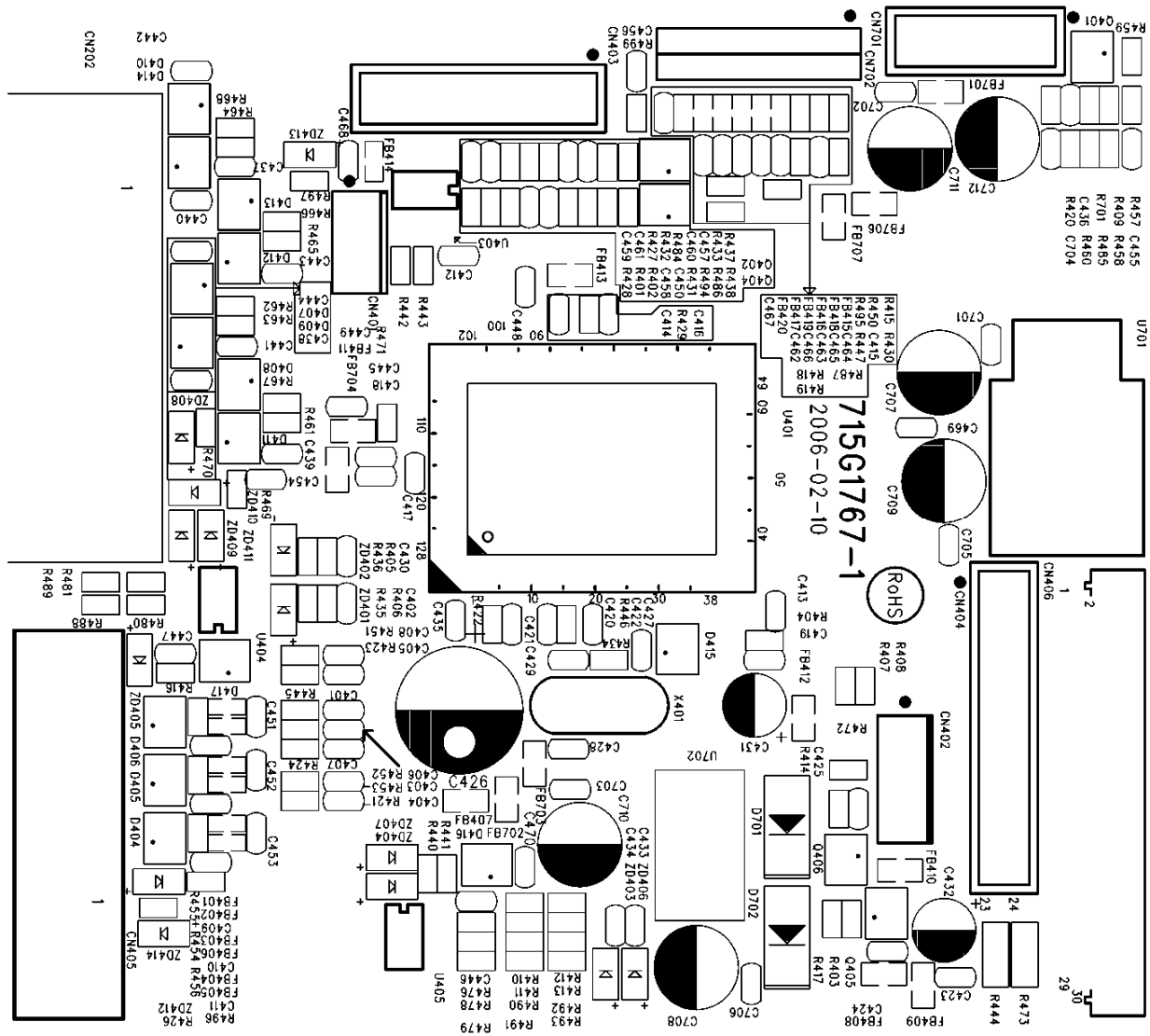
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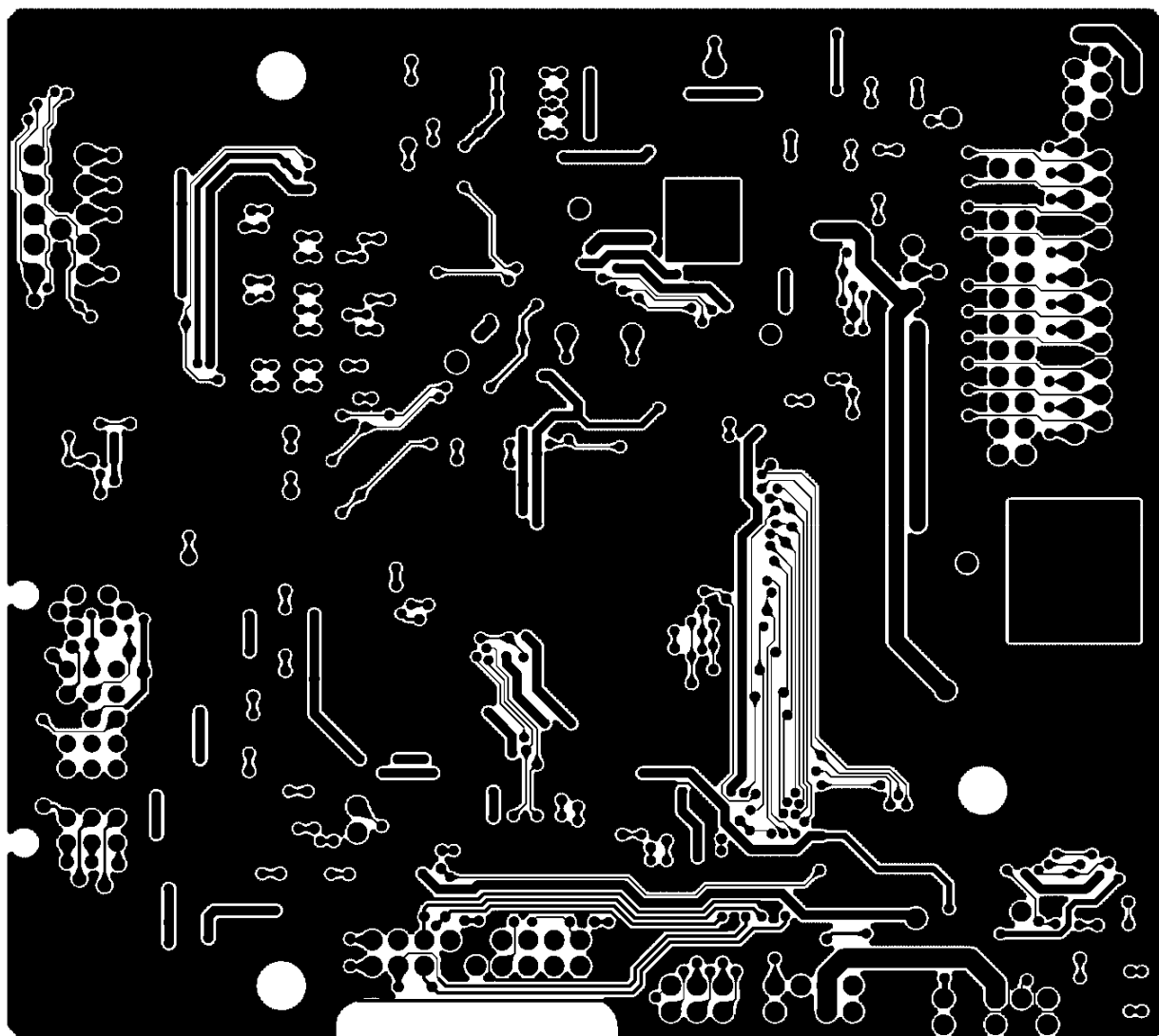


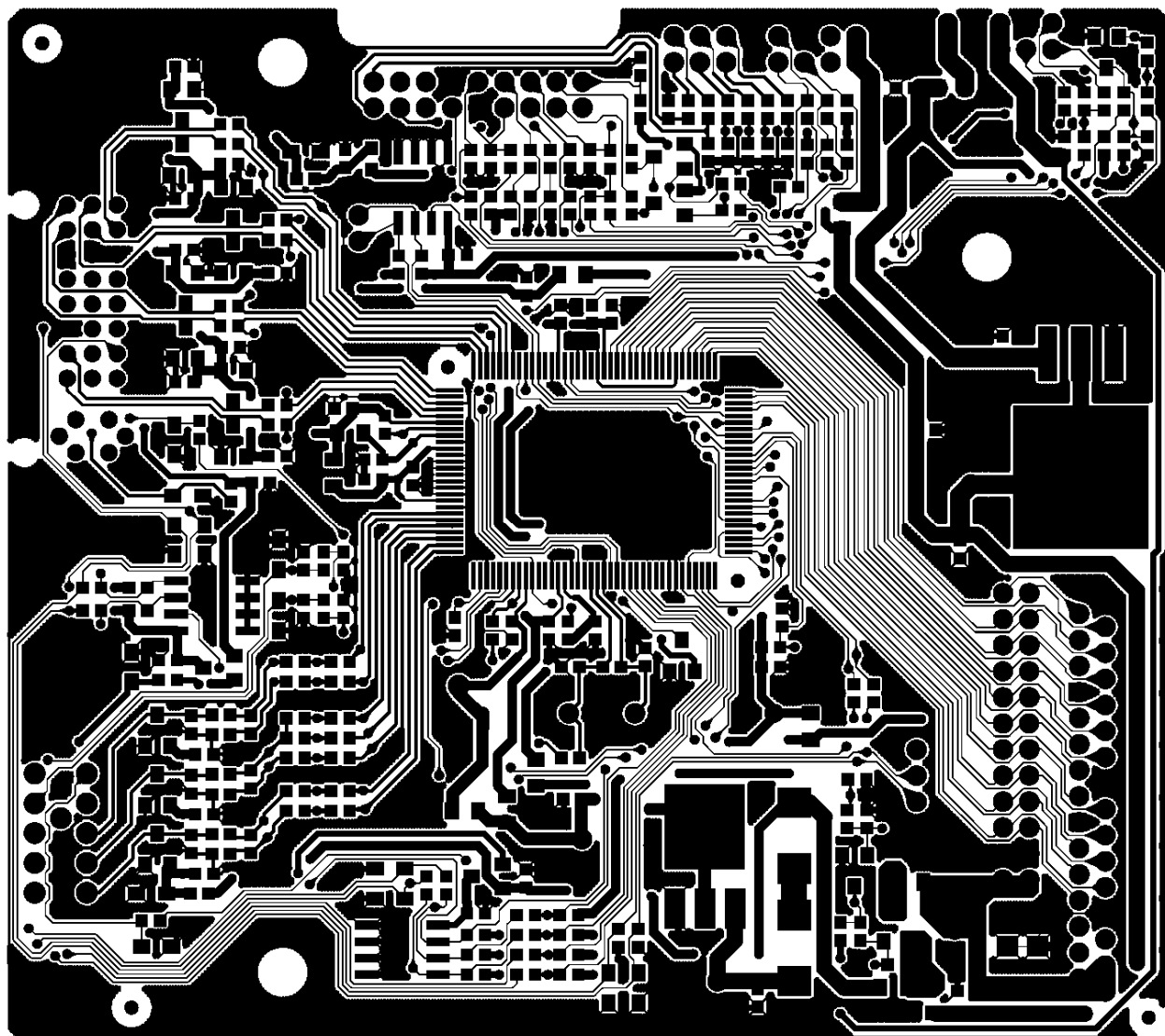




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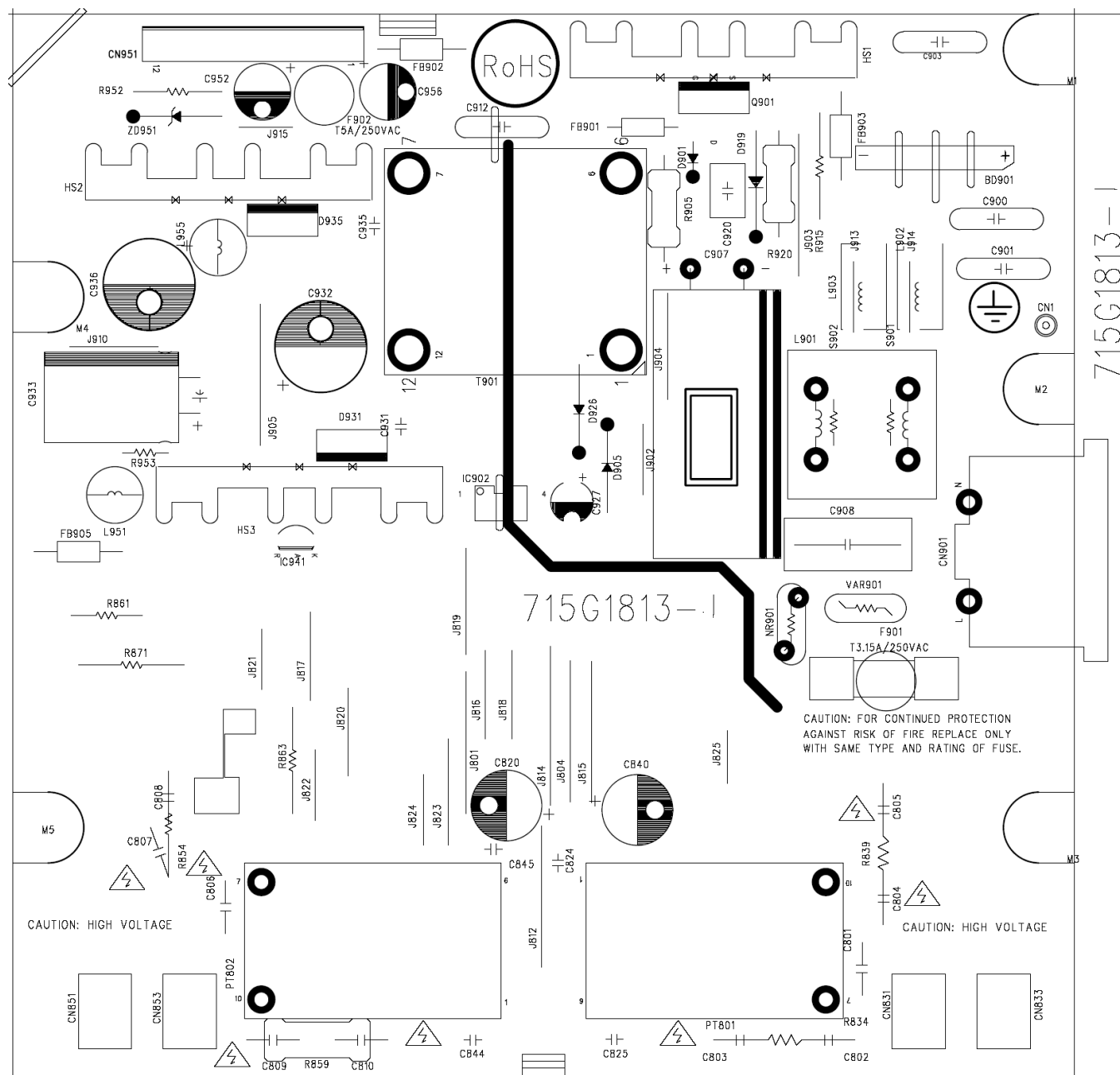


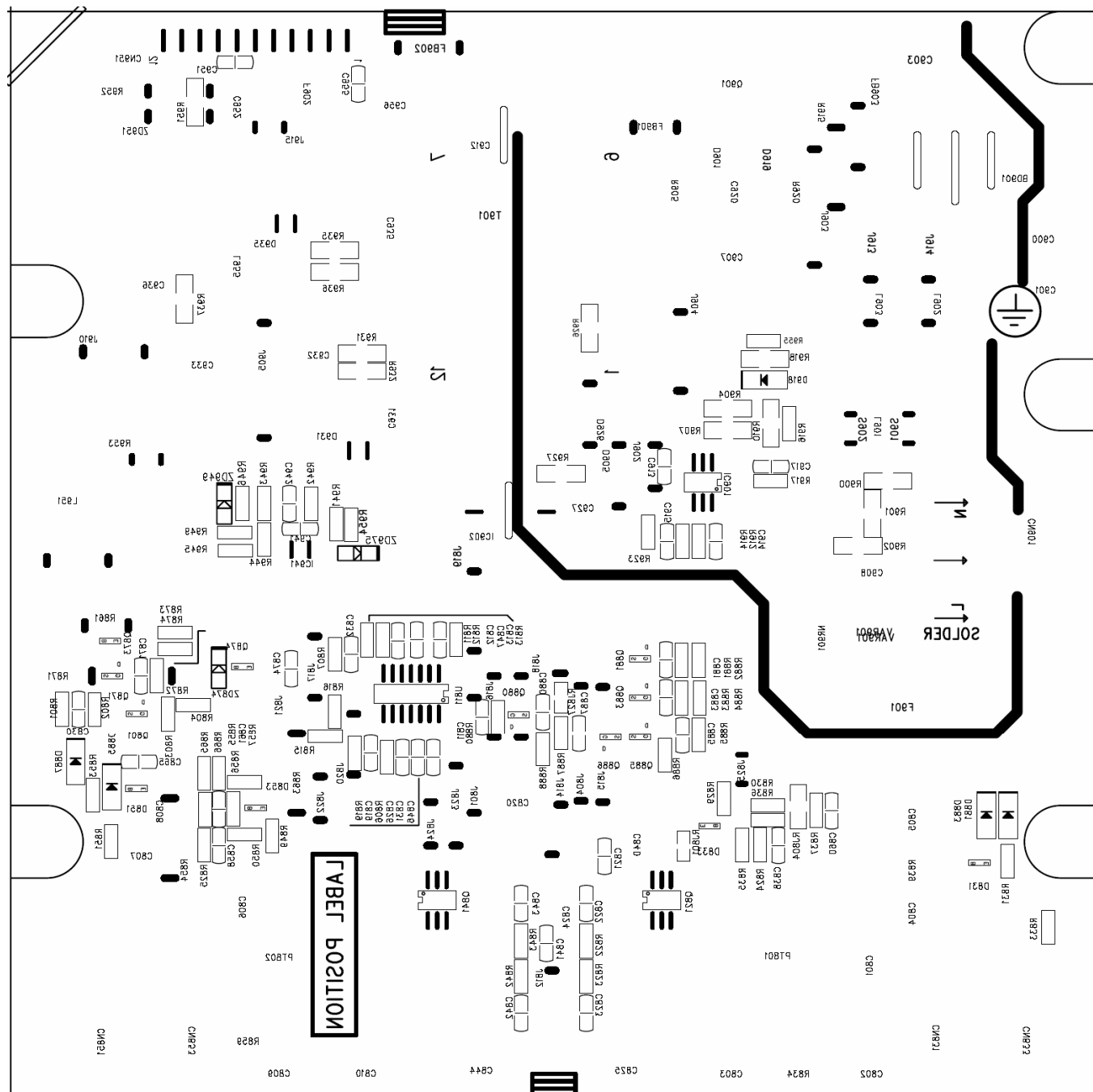


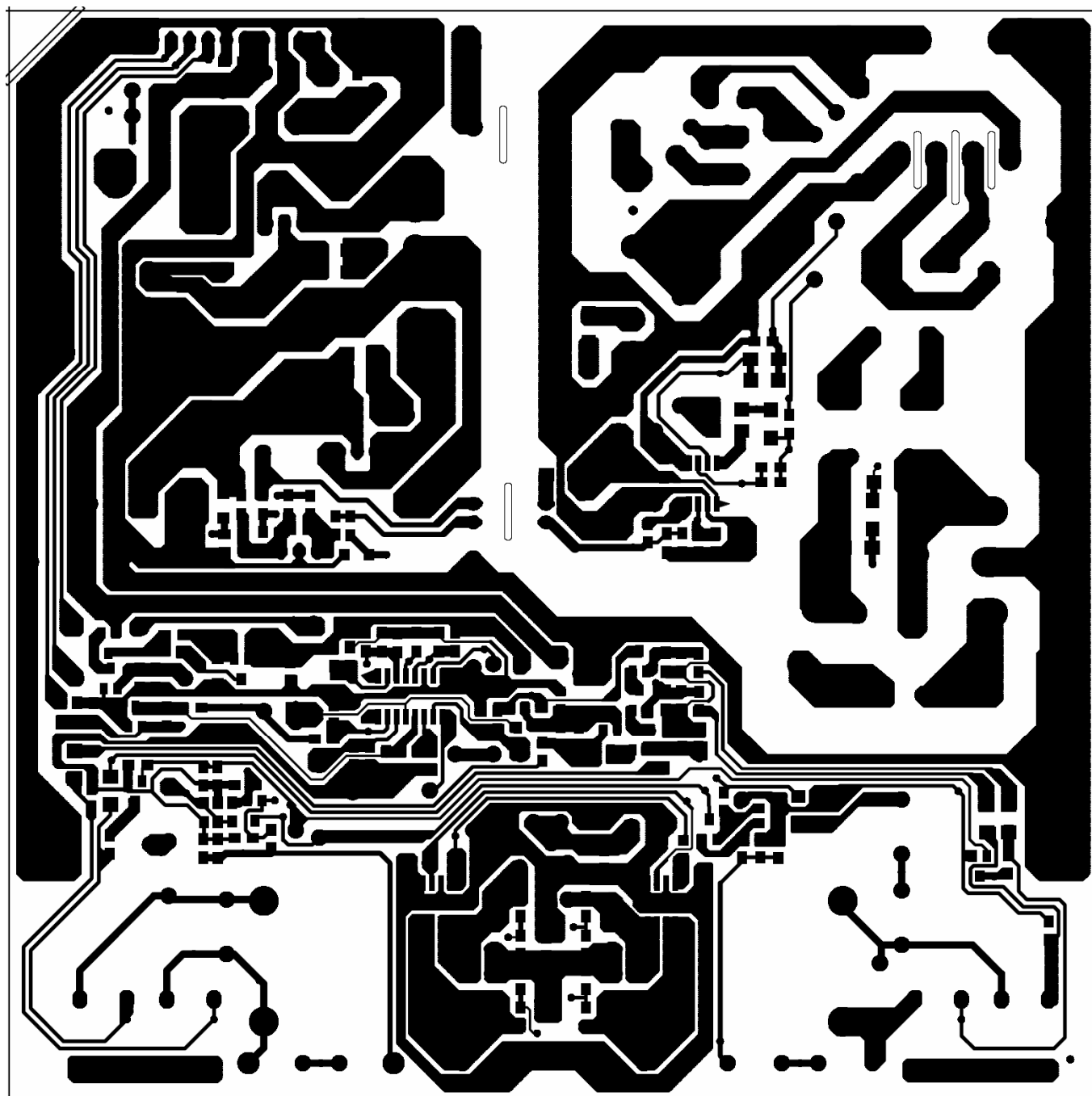


7.2 Power Board

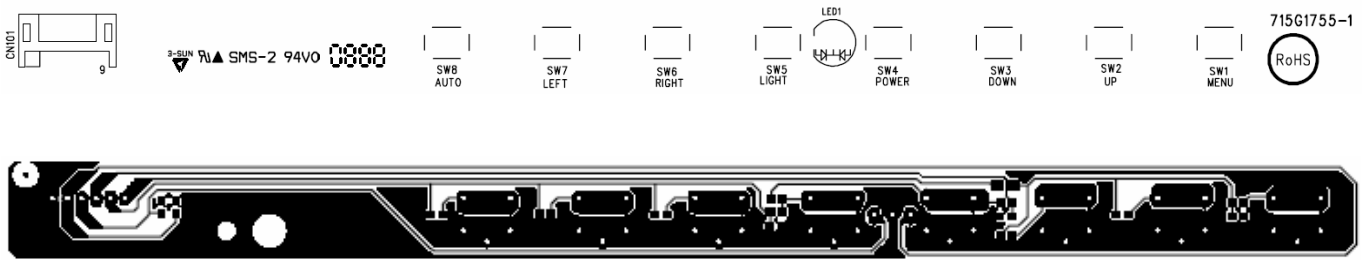
715G1813-1



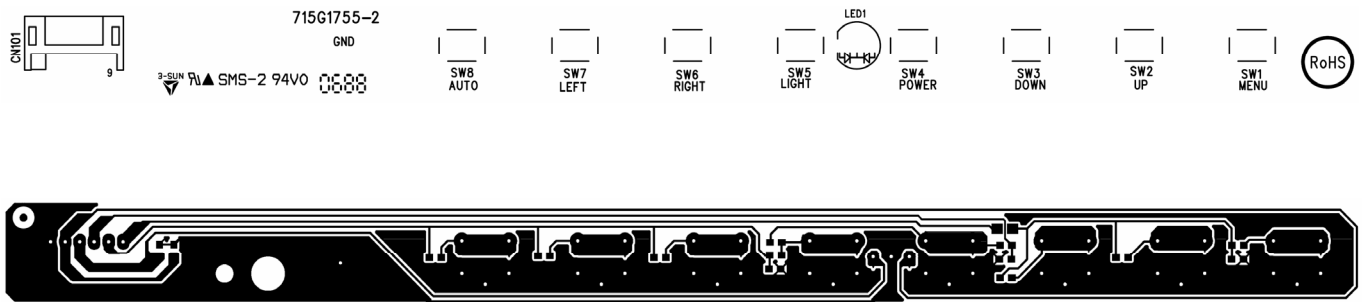




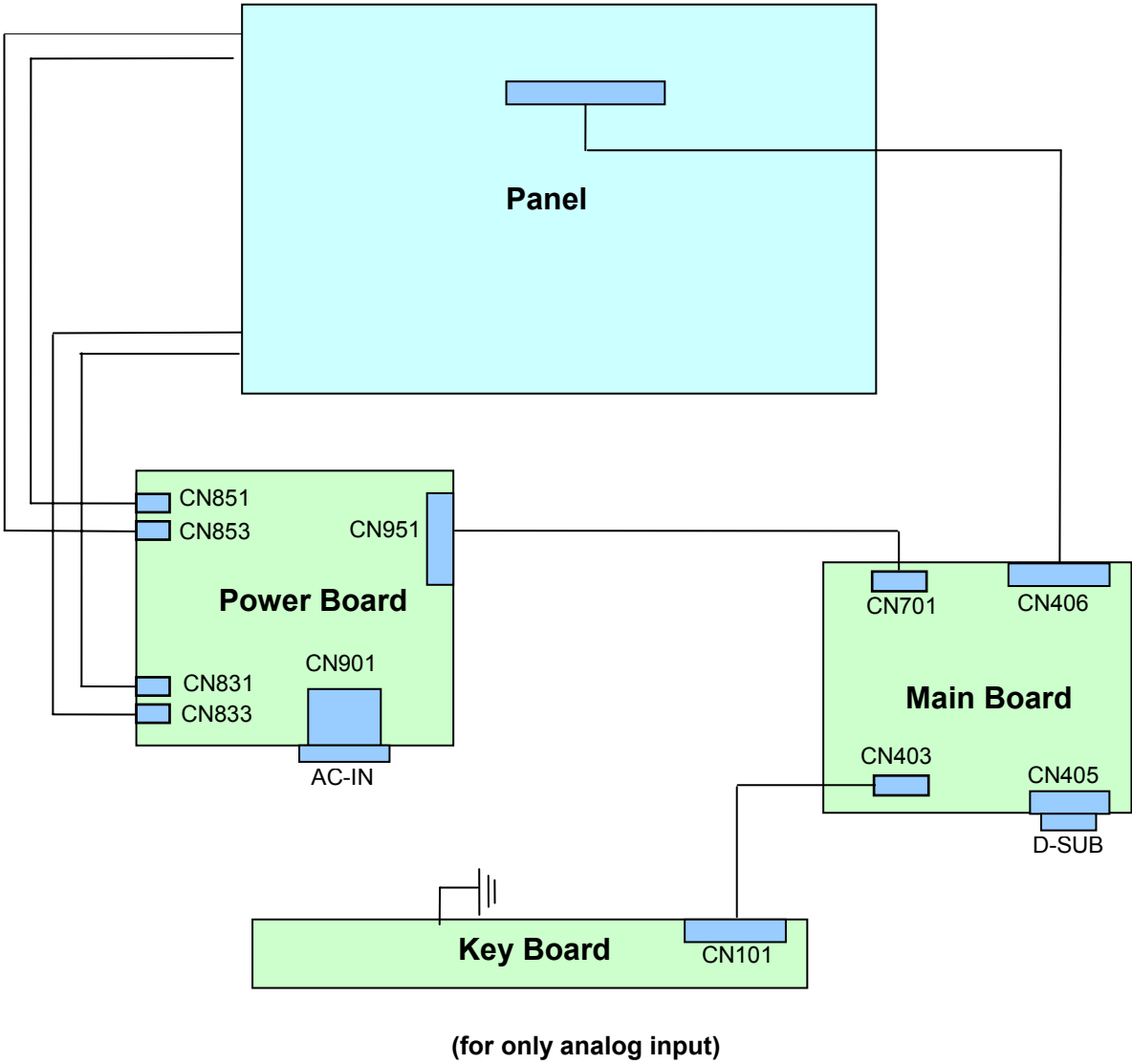
7.3 Key Board
715G1755-1

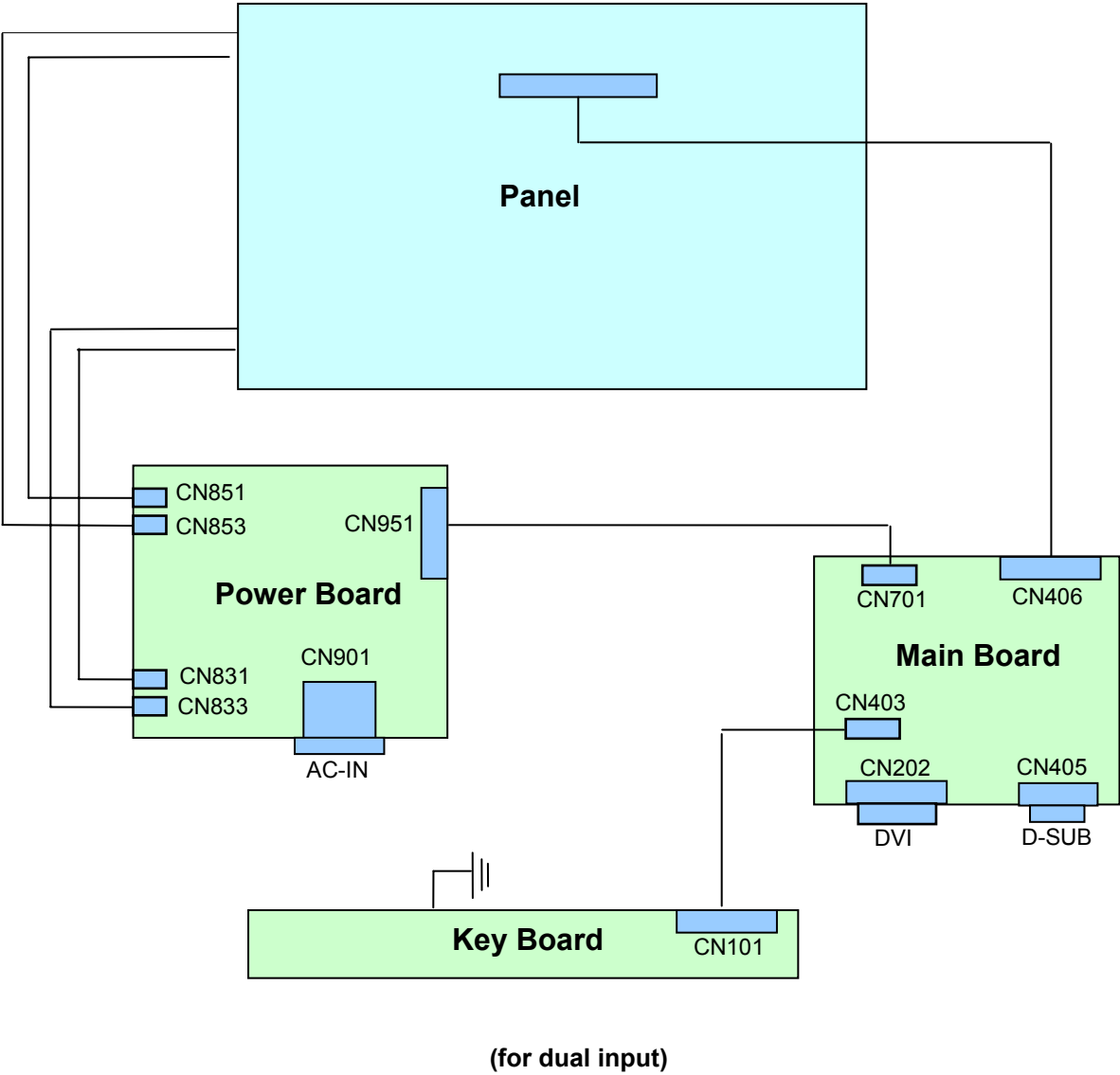


715G1755-2



8. Wiring Diagram





9. Mechanical Instructions

1. Back View as Fig.1



Fig.1

2. Remove base as Fig.2- Fig.3

- a. Remove 1 screw for hinge cover as Fig.2
- b. Remove 5 screws for base as Fig.3



Fig.2



Fig.3

3. Remove back cover as Fig.4- Fig.7

- a. Remove 2 screws for back cover as Fig. 4
- b. Use plastic putty knife to release 3 snaps on the bottom as Fig. 5 - Fig.7



Fig. 4



Fig.5



Fig. 6

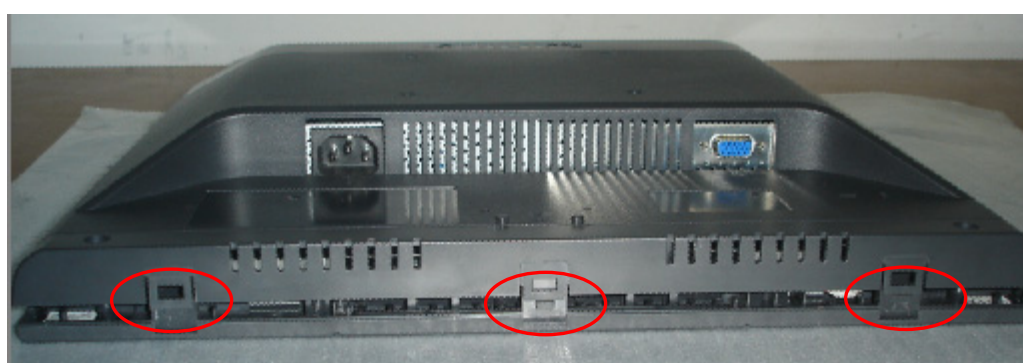


Fig. 7

- c. Insert plastic putty knife into the gap between front bezel and back cover to release 4 snaps on the left, 4 snaps on the right and 4 snaps on the top as Fig. 8 - Fig. 11

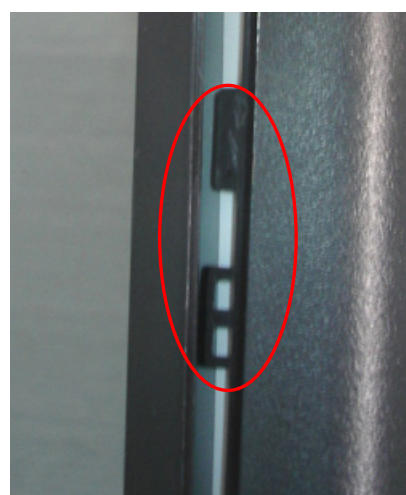
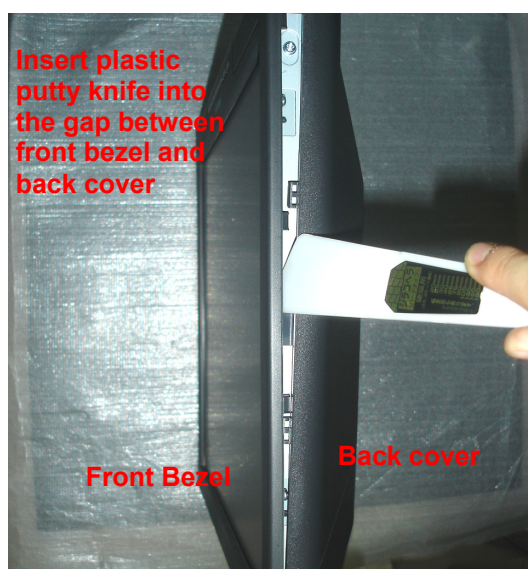


Fig. 8



Fig. 9



Fig. 10



Fig.11



Fig.12

4. Remove shield as Fig.13

Remove 6 screws as Fig.13

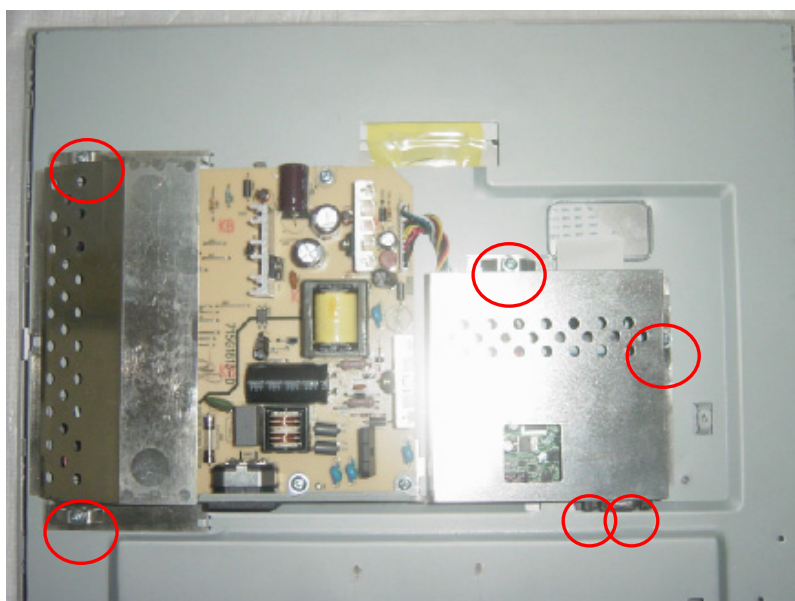


Fig.13

5. Remove main and Power board as Fig.14

Remove 13 screws for main and Power board as Fig.14

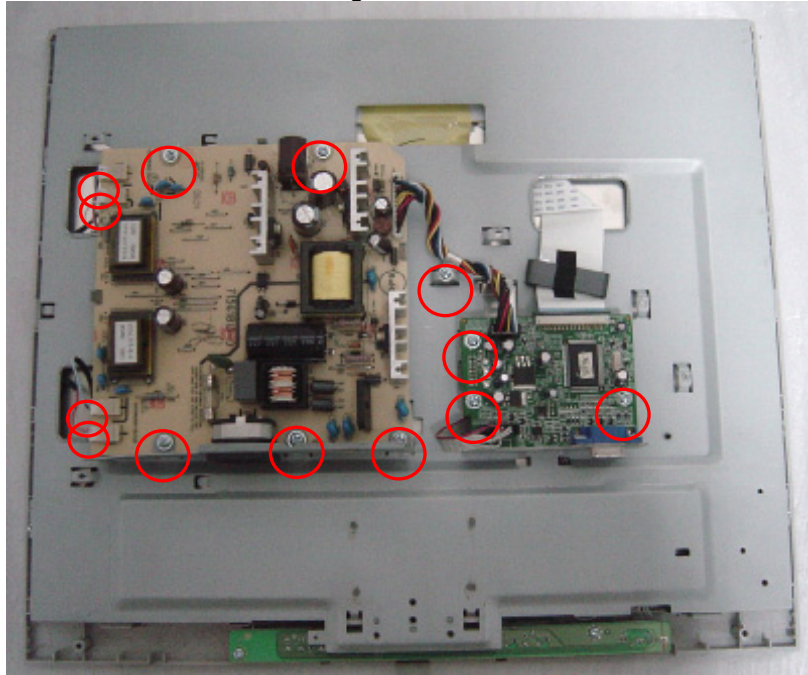


Fig.14

6. Remove the bezel as Fig.15- Fig.17

- Remove 2 screws at the right of bezel as Fig.15
- Remove 2 screws at the left of bezel as Fig.16
- Remove connect wire between main and key board as Fig.17

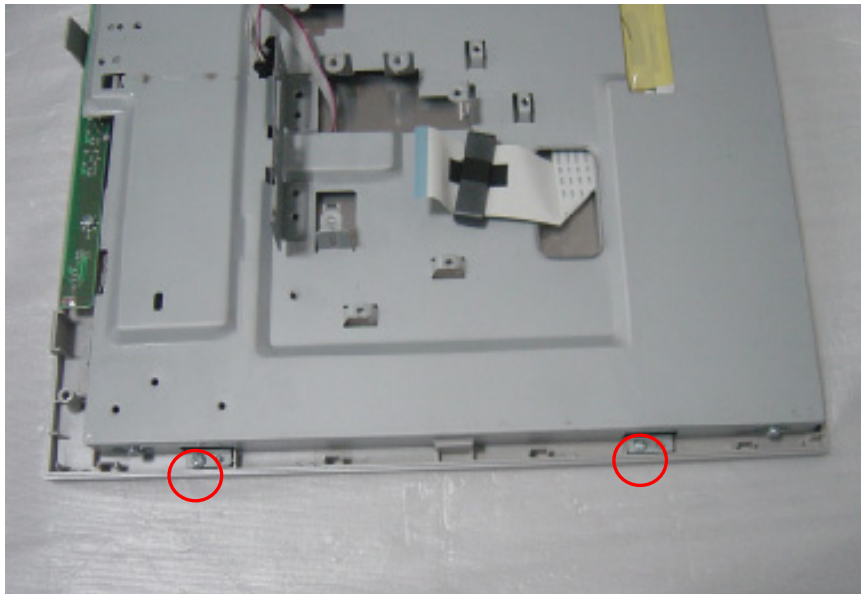


Fig.15

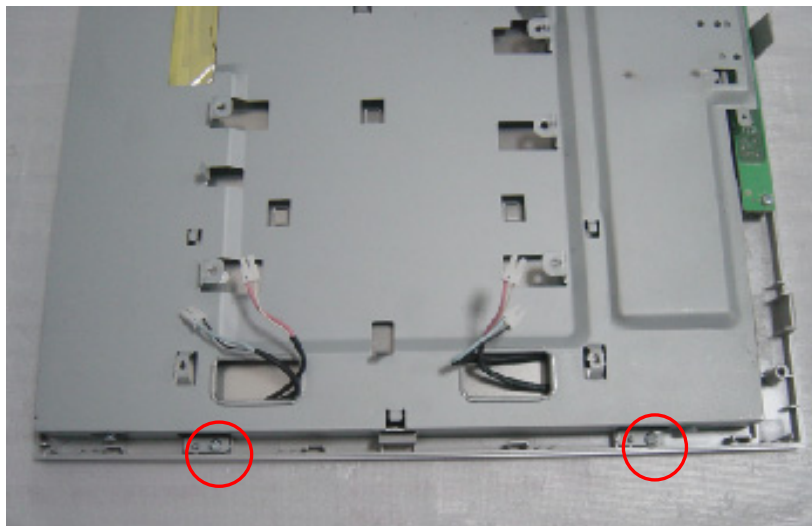


Fig.16



Fig.17

7. Remove the main frame as Fig.18- Fig.19

- a. Remove 2 screws at the right of main frame Fig.18
- c. Remove 2 screws at the left of main frame Fig.19



Fig.18



Fig.19

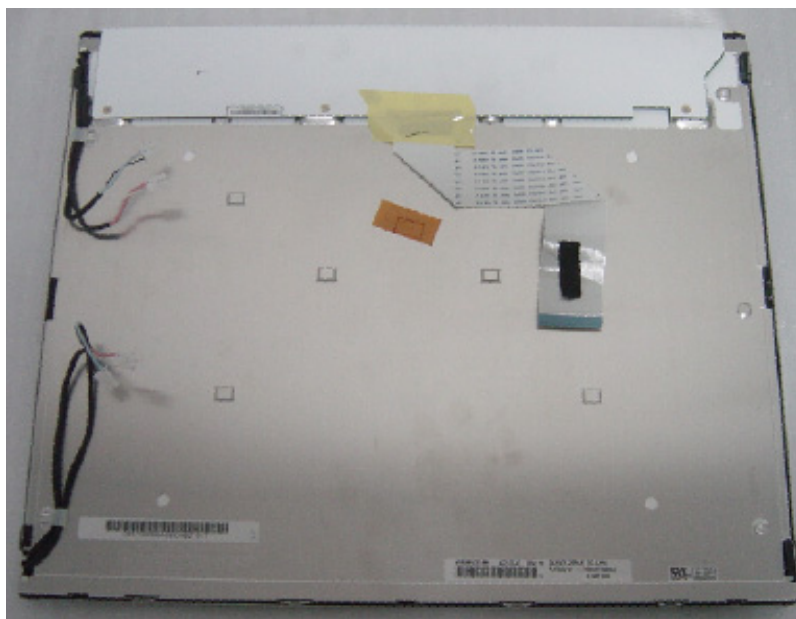





Fig.20

10. Trouble Shooting

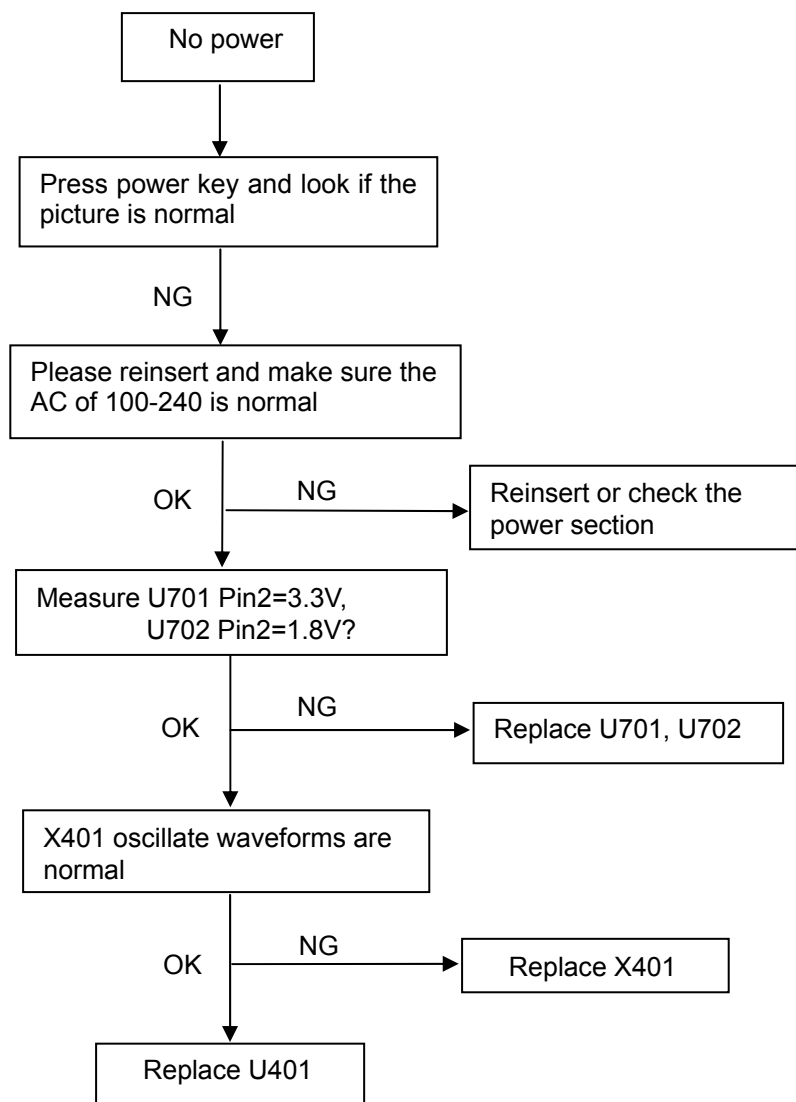
This page deals with problems that can be corrected by a user. If the problem still persists after you have tried these solutions, contact Philips customer service representative.

Common Problems	
Having this problem	Check these items
No Picture (Power LED not lit)	<ul style="list-style-type: none"> • Make sure the power cord is plugged into the power outlet and into the back of the monitor. • First, ensure that the power button on the front of the monitor is in the OFF position, then press it to the ON position.
No Picture (Power LED is amber or yellow)	<ul style="list-style-type: none"> • Make sure the computer is turned on. • Make sure the signal cable is properly connected to your computer. • Check to see if the monitor cable has bent pins. • The Energy Saving feature may be activated
Screen says 	<ul style="list-style-type: none"> • Make sure the monitor cable is properly connected to your computer. (Also refer to the Quick Set-Up Guide). • Check to see if the monitor cable has bent pins. • Make sure the computer is turned on.
AUTO button not working properly	<ul style="list-style-type: none"> • The Auto Function is designed for use on standard Macintosh or IBM-compatible PCs running Microsoft Windows. • It may not work properly if using nonstandard PC or video card.
Imaging Problems	
Display position is incorrect	<ul style="list-style-type: none"> • Press the Auto button. • Adjust the image position using the Phase/Clock of More Settings in OSD Main Controls.
Image vibrates on the screen	<ul style="list-style-type: none"> • Check that the signal cable is properly connected to the graphics board or PC.

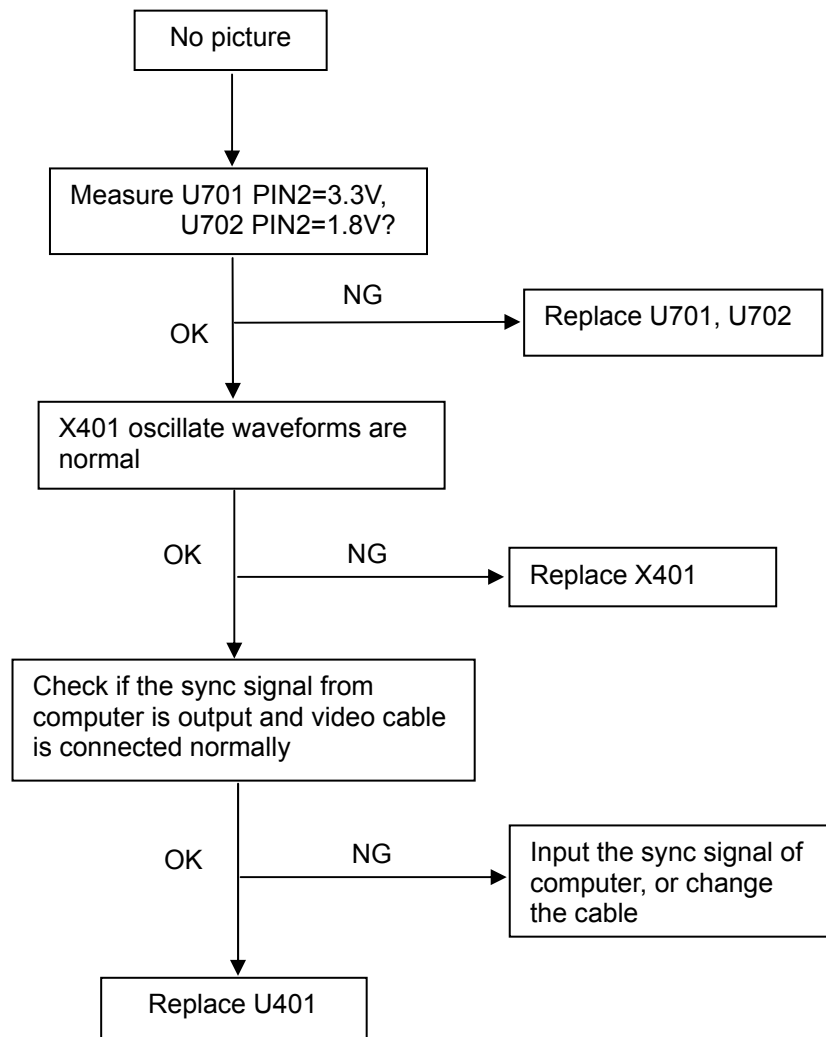
<p>Vertical flicker appears</p> 	<ul style="list-style-type: none"> • Press the Auto button. • Eliminate the vertical bars using the Phase/Clock of More Settings in OSD Main Controls.
<p>Horizontal flicker appears</p> 	<ul style="list-style-type: none"> • Press the Auto button. • Eliminate the vertical bars using the Phase/Clock of More Settings in OSD Main Controls.
<p>The screen is too bright or too dark</p>	<ul style="list-style-type: none"> • Adjust the contrast and brightness on On-Screen Display. (The backlight of the LCD monitor has a fixed life span. When the screen becomes dark or begins to flicker, please contact your sales representative).
<p>An after-image appears</p>	<ul style="list-style-type: none"> • If an image remains on the screen for an extended period of time, it may be imprinted in the screen and leave an after-image. This usually disappears after a few hours
<p>An after-image remains after the power has been turned off.</p>	<ul style="list-style-type: none"> • This is characteristic of liquid crystal and is not caused by a malfunction or deterioration of the liquid crystal. The after-image will disappear after a period of time.
<p>Green, red, blue, dark, and white dots remains</p>	<ul style="list-style-type: none"> • The remaining dots are normal characteristic of the liquid crystal used in today's technology.

11. Repair Flow Chart

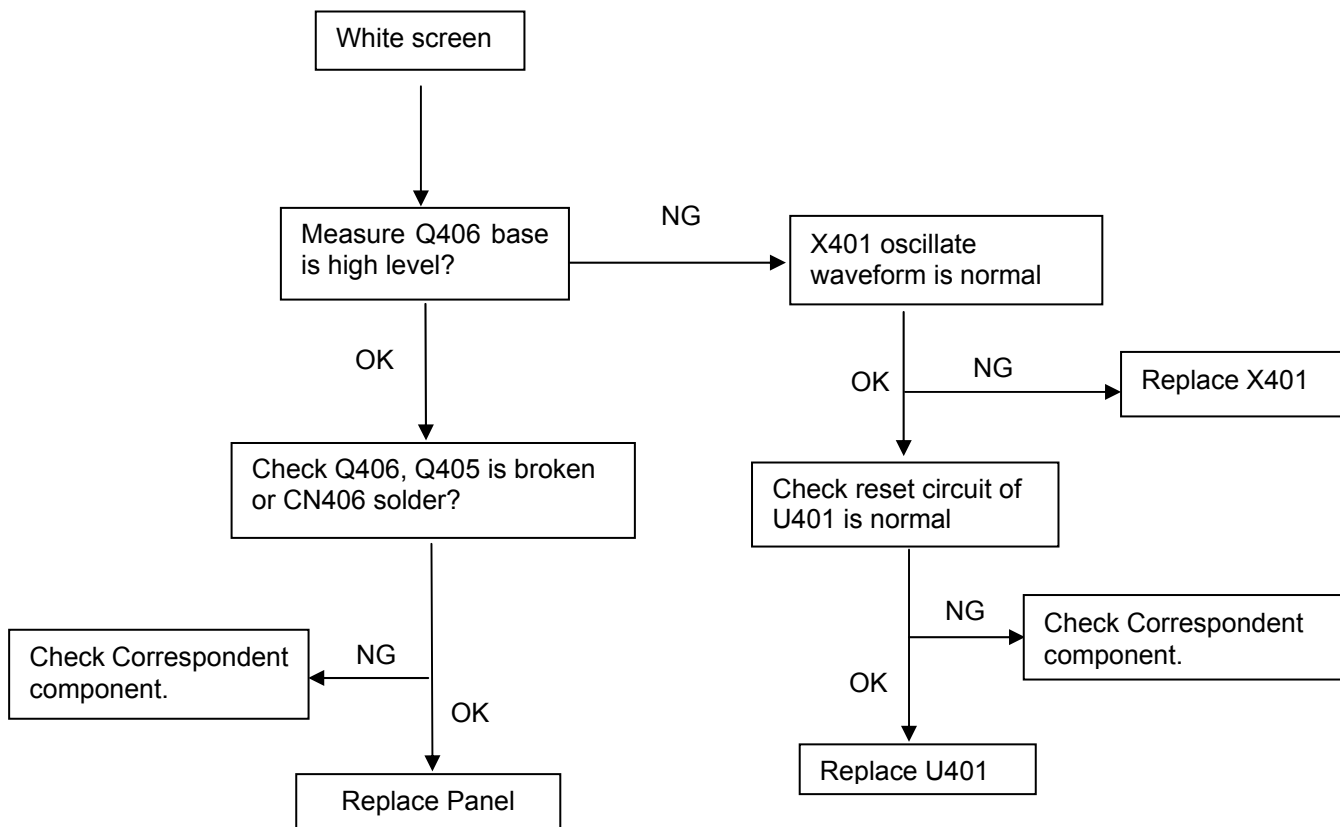
(1). No Power



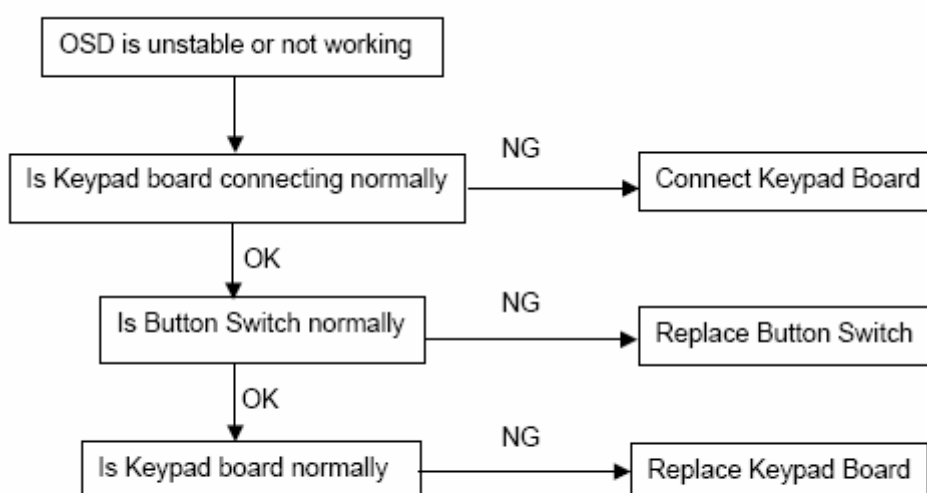
(2). No Picture



(3). White screen



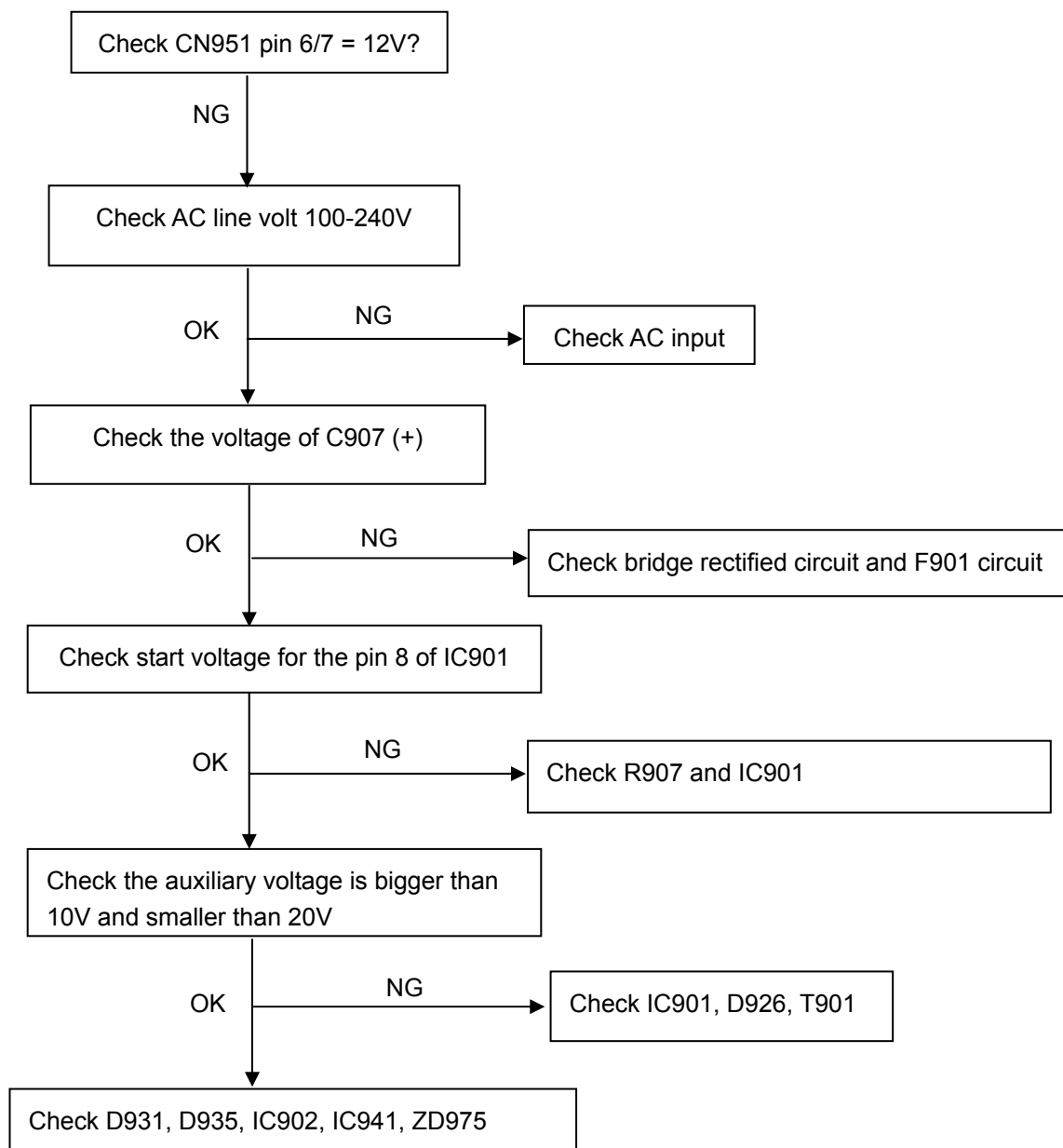
(4). Keypad Board



Power/Inverter Board

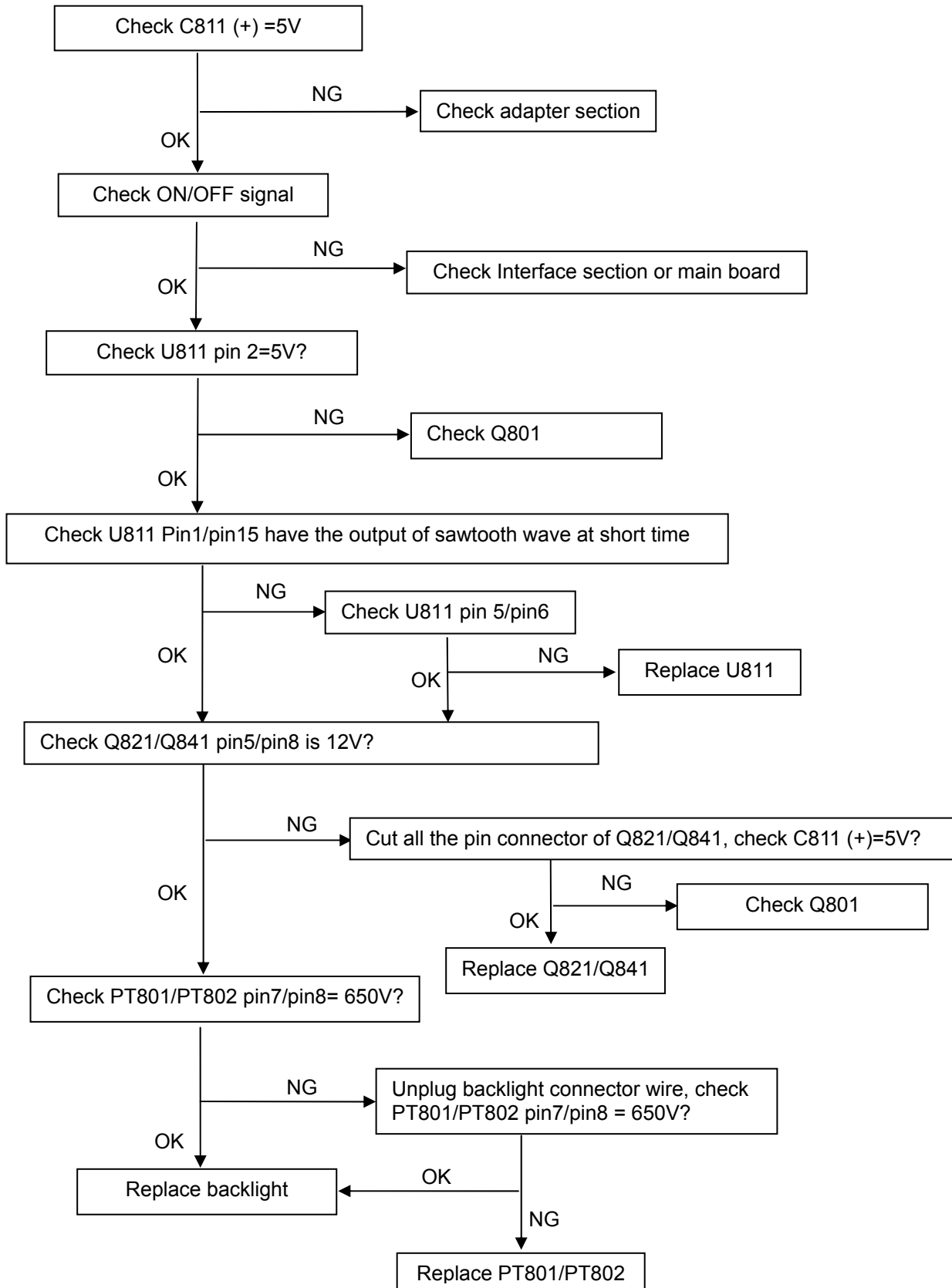
No power

Adapter Board



Inverter board

No power



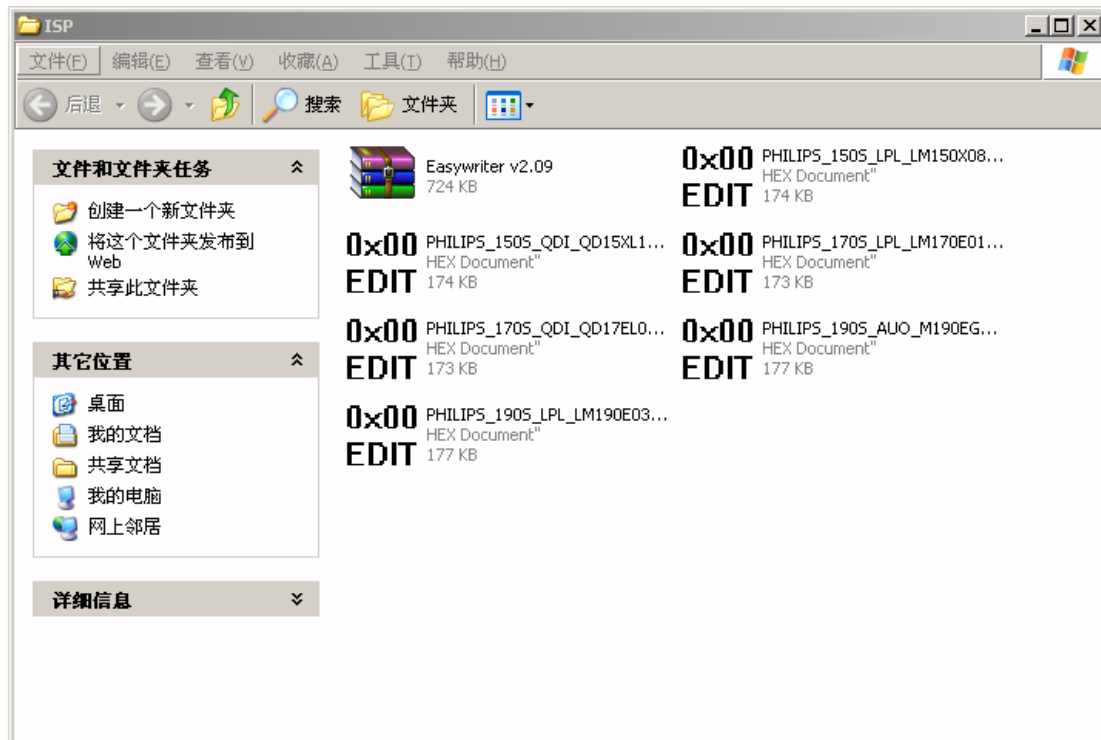
12. ISP Instruction

Configurations and Procedure

- 1). "Easywriter" The software is provided by Novatek to upgrade the firmware of CPU.
- 2). It is a windows-based program, which cannot be run in MS-DOS.

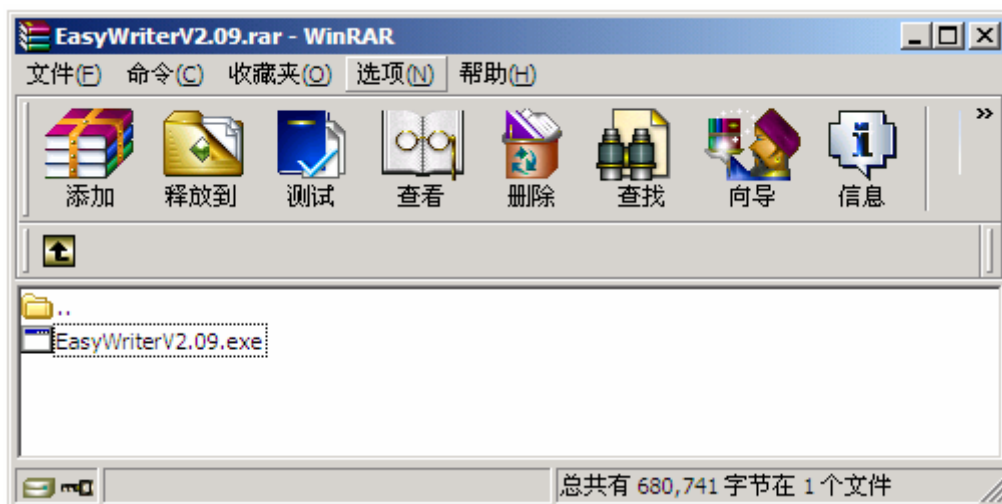
System and equipment requirements


- 1). An i486 (or above) personal computer or compatible.
- 2). Microsoft operation system Windows 95/98/2000/XP.
- 3). ISP Software "Easywriter" and "*****.hex"

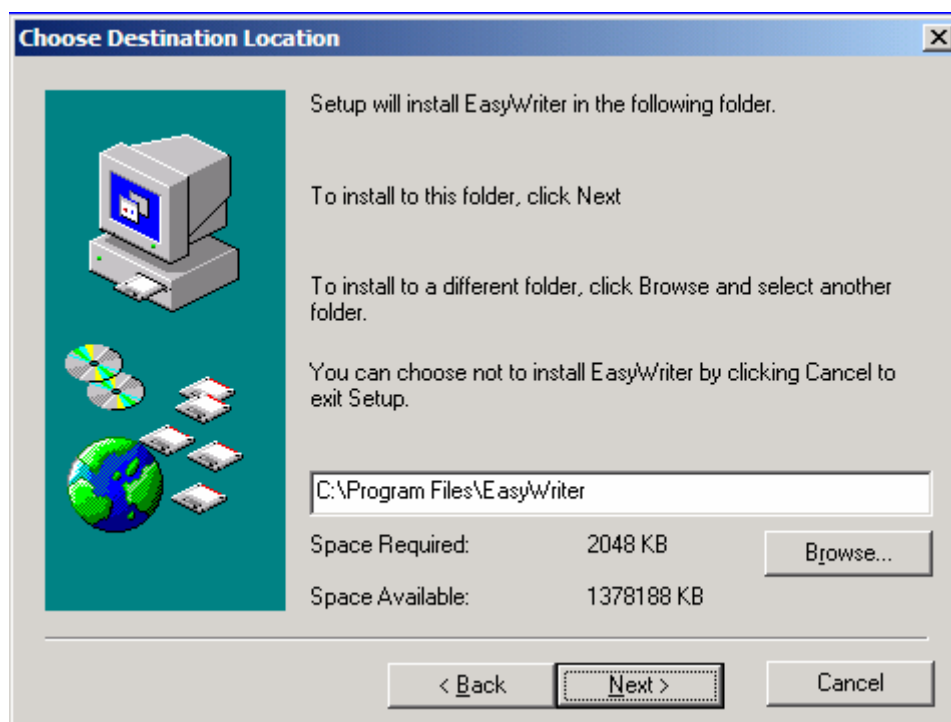
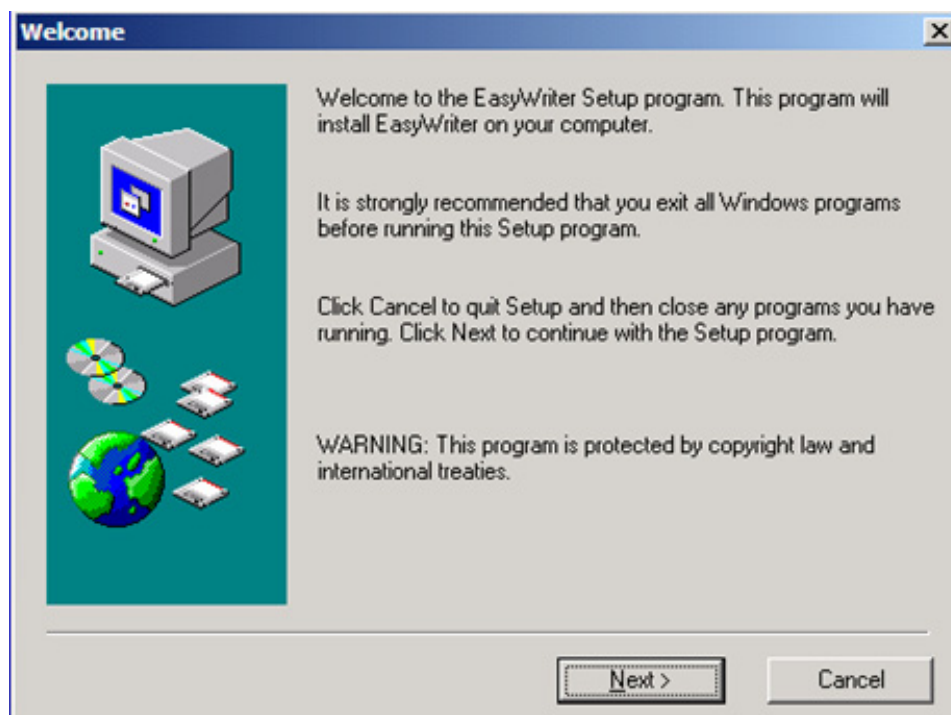


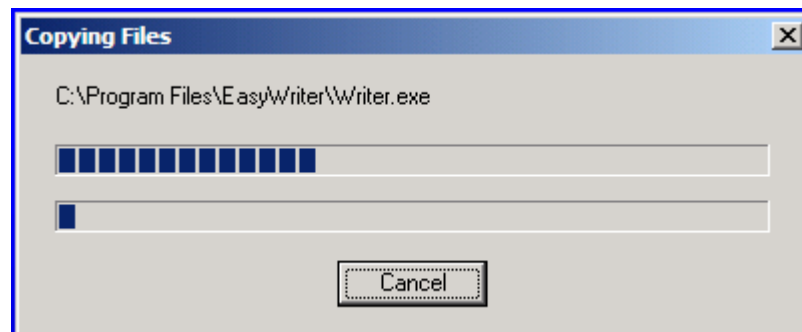
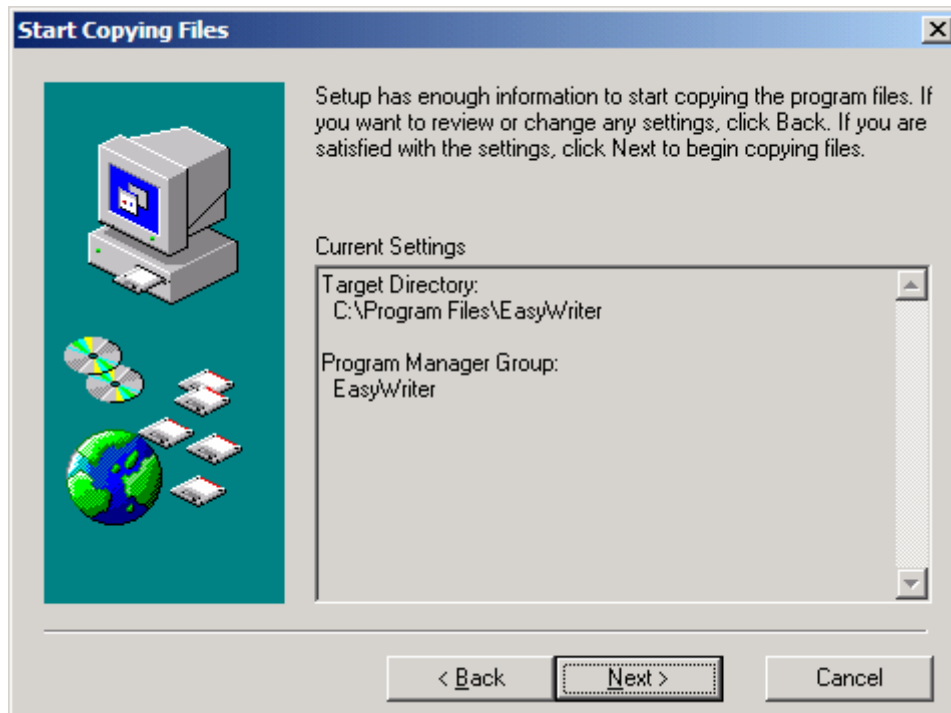
(1). Install the program software

- a. First decompressing files  **EasyWriterV2.09.rar** WinRAR 档案文件 518 KB, as follow:



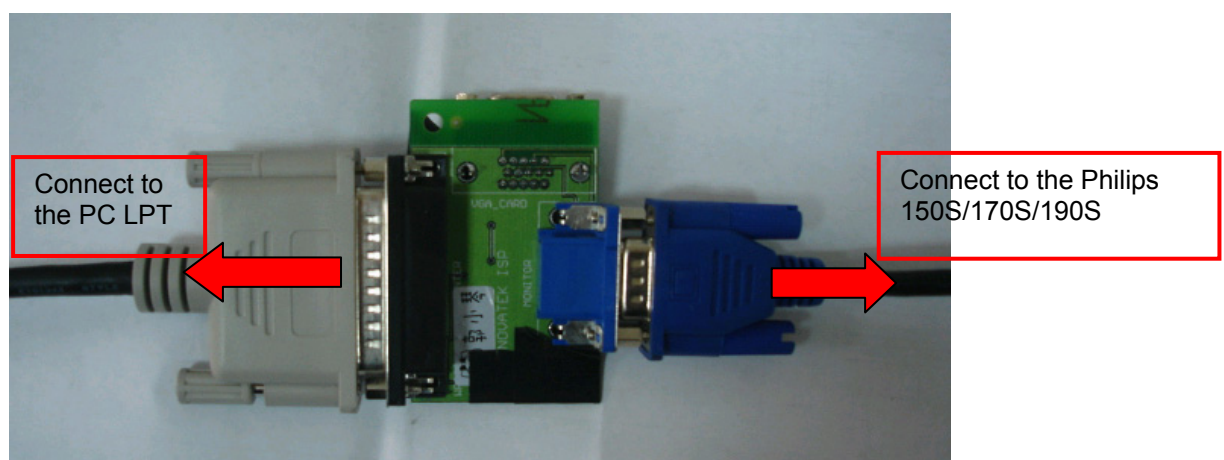
- b. Double – click  **EasyWriterV2.09.exe**, start to install as follows:



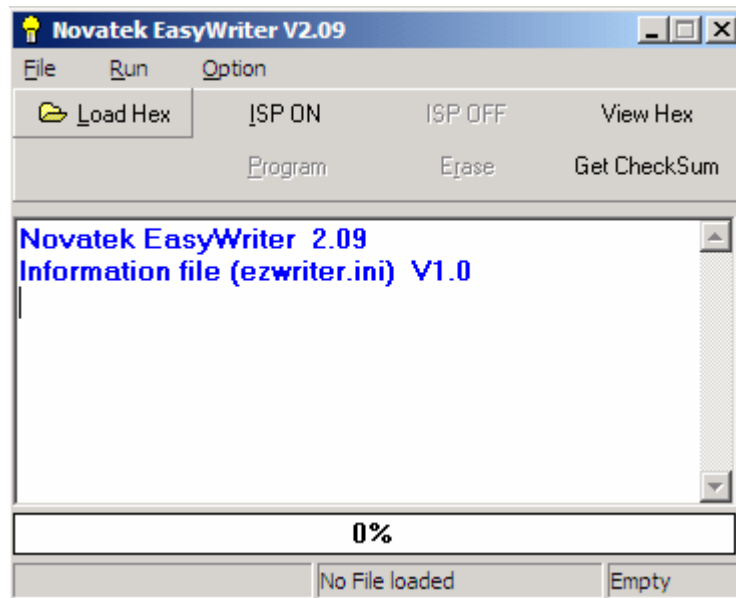



c. There will be a shortcut key  appears on the desktop.

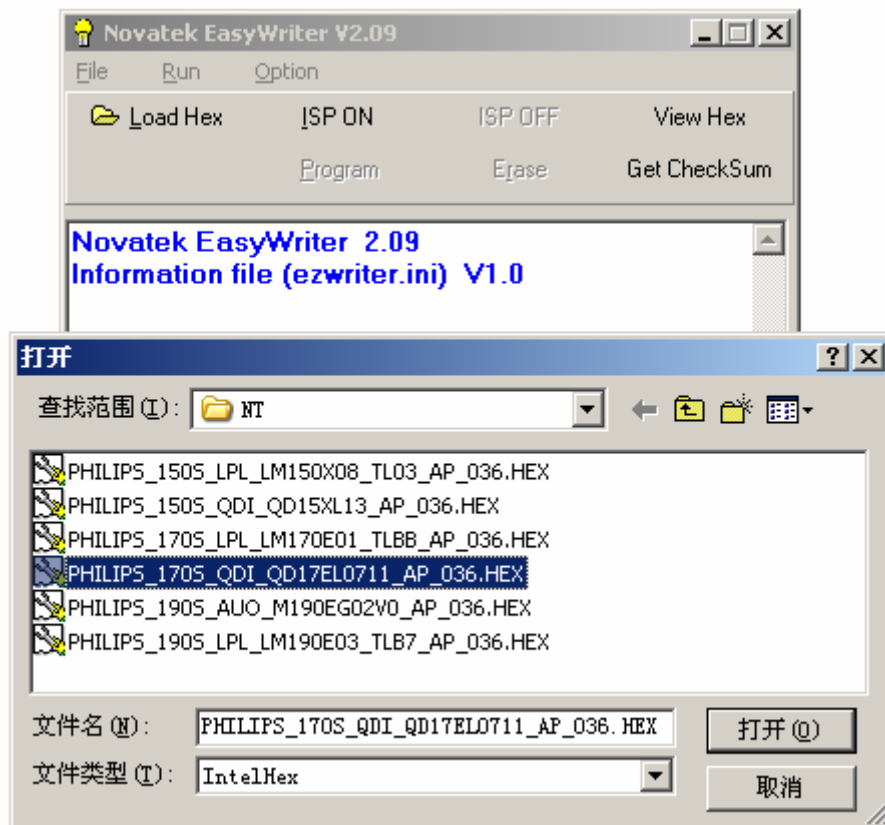
(2). Connect the ISP board as follow:



a. Double-click , running the program as follows:

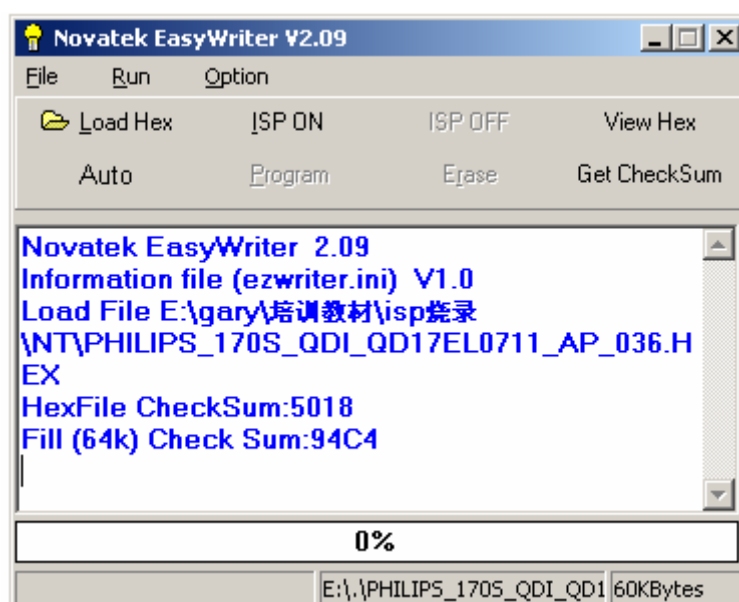
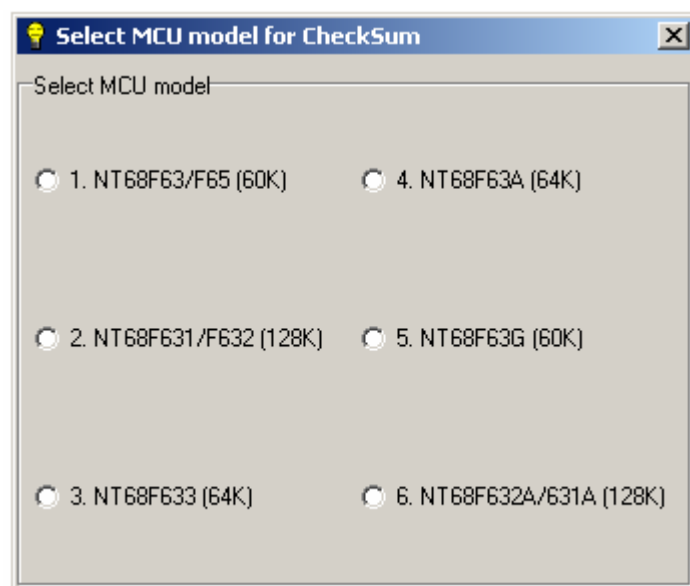


- b. Click  **Load Hex** icon, search the program" PHILIPS_170S_QDI_QD17EL0711_AP_036.HEX", and click **open**:

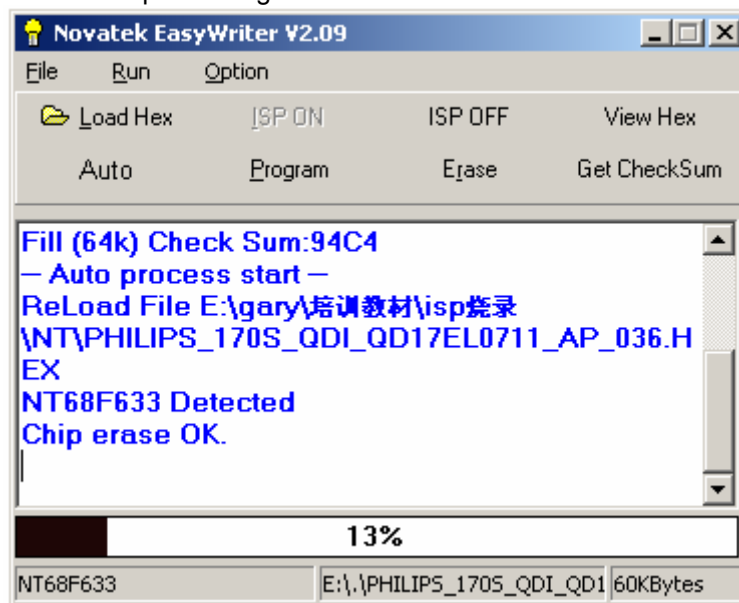


Note: If it is 170s model, you can select the  **PHILIPS_170S_QDI_QD17EL0711_AP_036.HEX** (for QDI panel) or  **PHILIPS_170S_LPL_LM170E01_TLBB_AP_036.HEX** (for LPL panel)

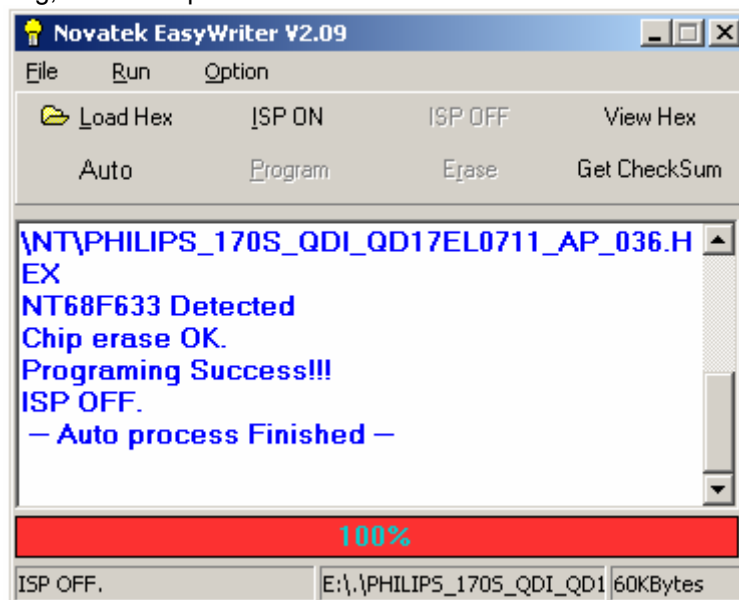
c. After click "OPEN", there would be a dialog box, select ☒ 3. NT68F633 (64K).



d. Click **Auto** icon, the writer is in processing...



e. Until appears the follow Fig, writer completed.



13. DDC Instruction

General

DDC Data Re-programming

In case the main EEPROM with Software DDC which store all factory settings were replaced because a defect, repaired monitor' the serial numbers have to be re-programmed.

It is advised to re- soldered the main EEPROM with Software DDC from the old board onto the new board if circuit board have been replaced, in this case the DDC data does not need to be re-programmed.

Additional information about DDC (Display Data Channel) may be obtained from Video Electronics Standards Association (VESA). Extended Display Identification Data (EDID) information may be also obtained from VESA.

13.1 DDC for OSD SN

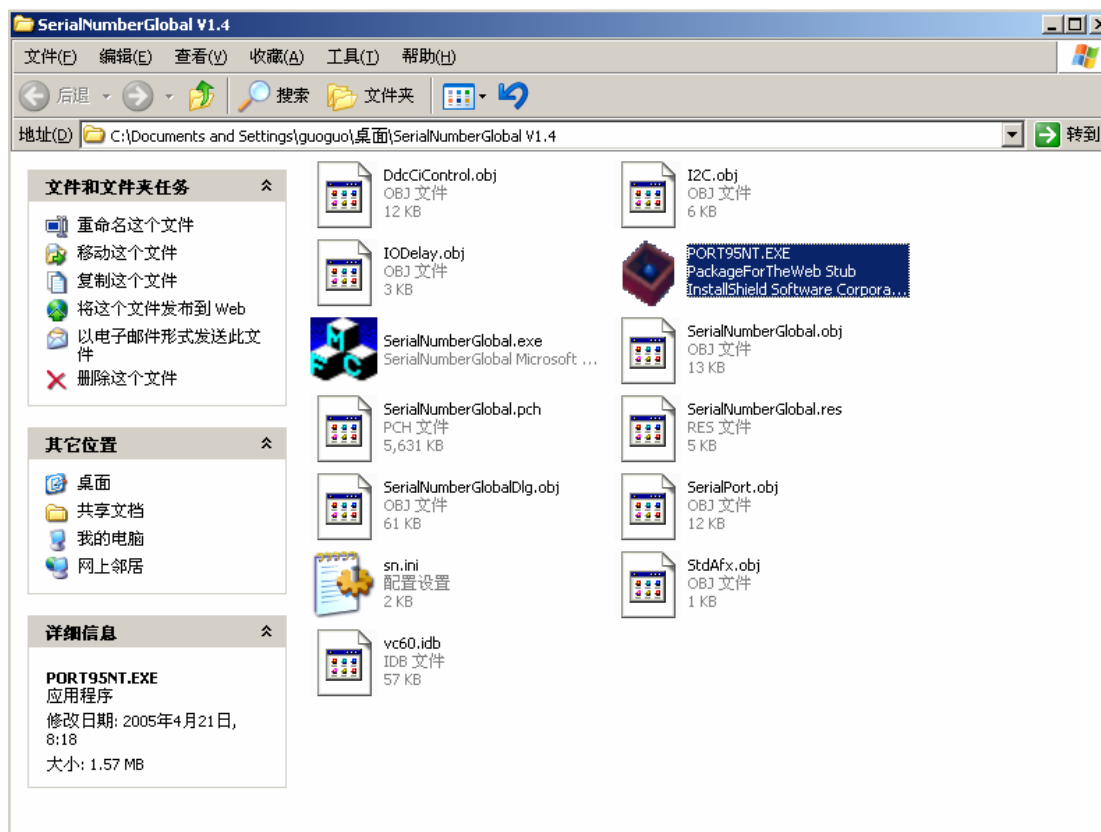
System and equipment requirements

1. An i486 (or above) personal computer or compatible.
2. Microsoft operation system Windows 95/98/2000/XP.
3. " PORT95NT, SerialNumberGlobal.exe、sn.ini" program.
4. Software OSD SN Alignment kits

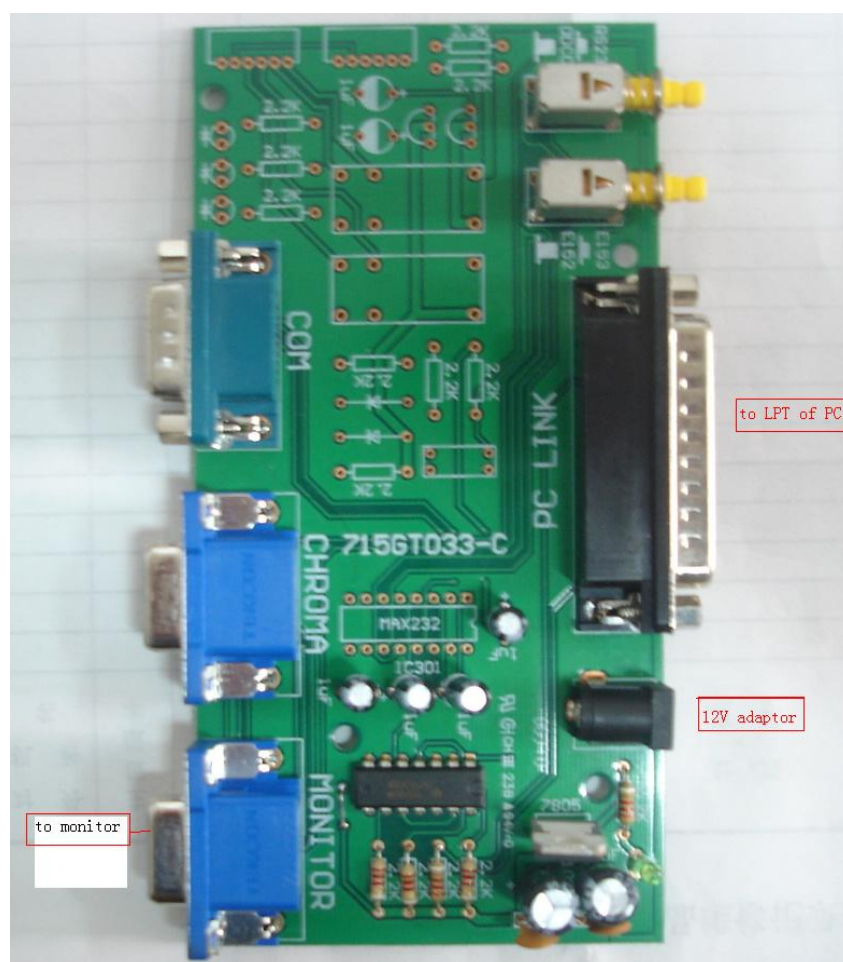
The kit contents:

- a. OSD SN BOARD x1
- b. Printer cablex1
- c. VGA cable x1
- d. 12V DC power source

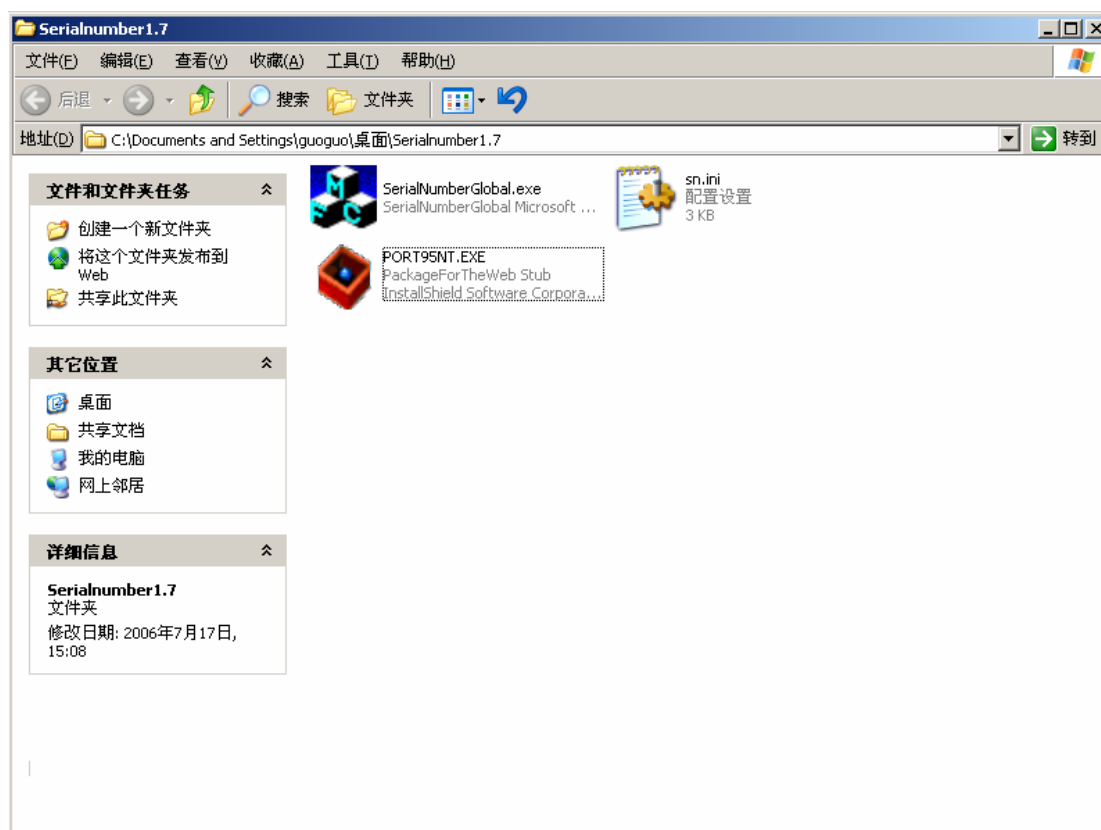
1. Install the "PORT95NT.EXE", and restart the computer.



2. Connect the board as below



3. Run the "SerialNumberGlobal.exe"



4. It will display as below:

The screenshot shows the 'SerialNumberGlobal' application window. The 'Customer' section has radio buttons for SONY, NMV, Philips, AOC FSC HP, MISBISH[17|19], and TV, with TV selected. The 'Write' section has 'SN Start' set to 1 and 'SN Length' set to 10. The 'Sony Config' section has 'Year' set to 2006 and 'Weeks' set to 29. The 'NMV Config' section has 'OSD Select' with OSM selected, 'Language Select' with English selected, 'Slect URL' set to NECDISPLAYSOLUTIONS.COM, and 'Model Name' set to LDT371V. The 'COM' section has 'COM' set to COM2 and 'Braud' set to 4800. The 'Input Length' is set to 10. There are 'LOCK', 'Close', and 'Start' buttons, along with an empty text input field.

5. Setting as below:

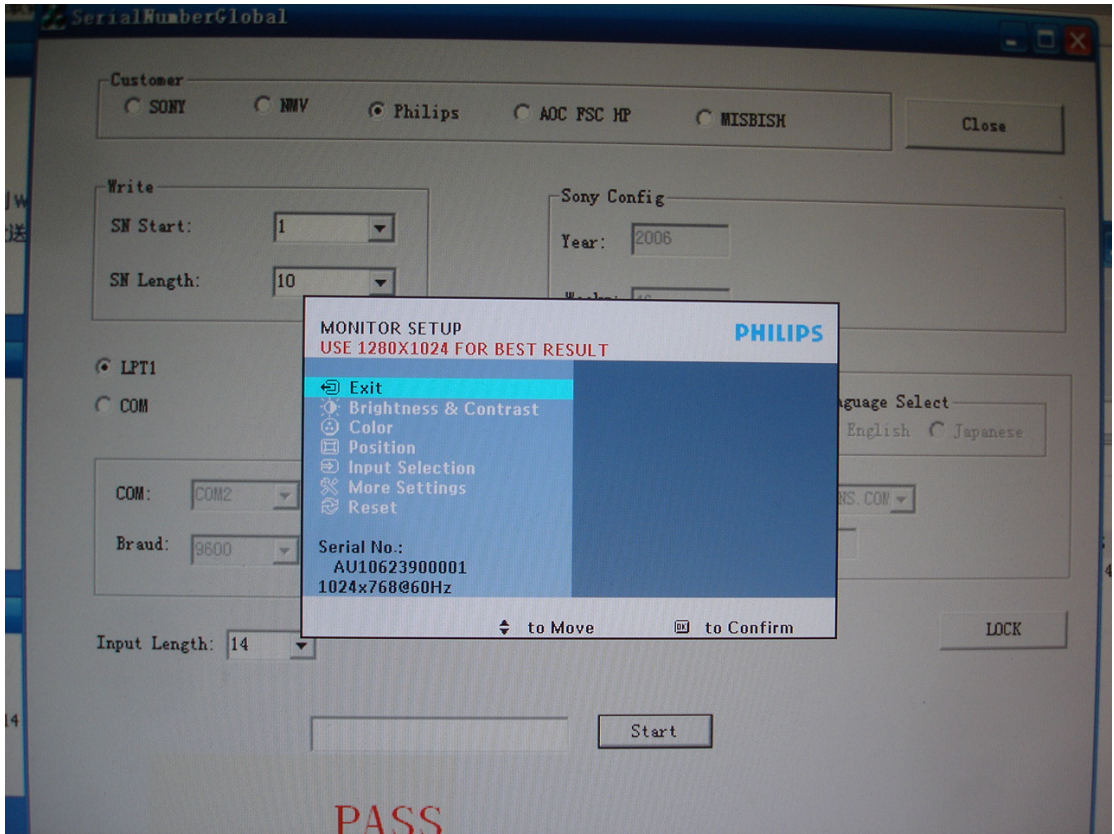
The screenshot shows the 'SerialNumberGlobal' application window with several settings highlighted by red circles. In the 'Customer' section, 'Philips' is selected. In the 'Write' section, 'SN Start' is 1 and 'SN Length' is 10. In the 'NMV Config' section, 'OSD Select' has OSM selected, 'Language Select' has English selected, 'Slect URL' is NECDISPLAYSOLUTIONS.COM, and 'Model Name' is MN8171-45. In the 'COM' section, 'COM' is COM2 and 'Braud' is 9600. The 'Input Length' is set to 14. The 'Start' button is visible at the bottom.

6. Key in the new SN. Then click the "Start" icon.

The screenshot shows the 'SerialNumberGlobal' application window. At the top, there's a 'Customer' section with radio buttons for SONY, NMV, Philips (selected), AOC FSC HP, and MISBISH. To the right is a 'Close' button. Below this is a 'Write' section with 'SN Start' set to 1 and 'SN Length' set to 10. To the right of 'Write' is a 'Sony Config' section with 'Year' set to 2006 and 'Weeks' set to 45. Below 'Write' are radio buttons for LPT1 (selected) and COM. To the right is an 'NMV Config' section with 'OSD Select' (OSM selected, OSD unselected), 'Language Select' (English selected, Japanese unselected), 'Slect URL' set to NECDISPLAYSOLUTIONS.COM, and 'Model Name' set to MN8171-45. Below these are 'COM' (COM2) and 'Braud' (9600) dropdowns. At the bottom left is 'Input Length' set to 14. At the bottom center is a text box containing 'AU1A0623900001' and a 'Start' button, both circled in red. To the right of the text box is a 'LOCK' button. A large yellow box with the word 'PASS' in red is at the bottom center.

7. When change SN success, there would be display "PASS" as below.

This screenshot is identical to the previous one, showing the 'SerialNumberGlobal' application window with the same settings. The 'Start' button and the text box containing 'AU1A0623900001' are circled in red. A large yellow box with the word 'PASS' in red is at the bottom center.



13.2 DDC for Monitor SN

General

System and equipment requirements

1. An i486 (or above) personal computer or compatible.
2. Microsoft operation system Windows 95/98/2000/XP.
3. "WinDDC,PORT95NT,config,W,CHECK,Philips 170S EDID" program.
4. Software DDC Alignment kits

The kit contents:

- a. DDC Board x1
- b. Printer cablex1
- c. D-Sub cable x1
- d. 12V DC power source



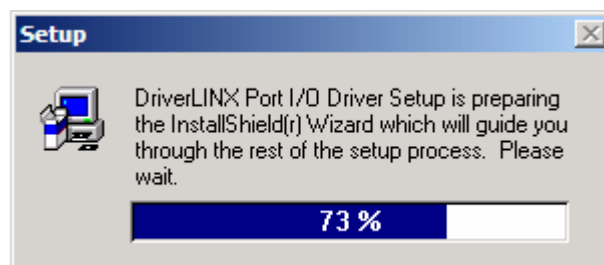
(1). Install software

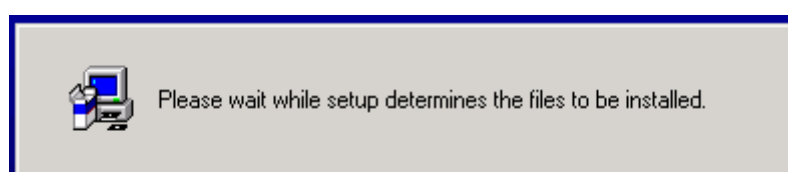
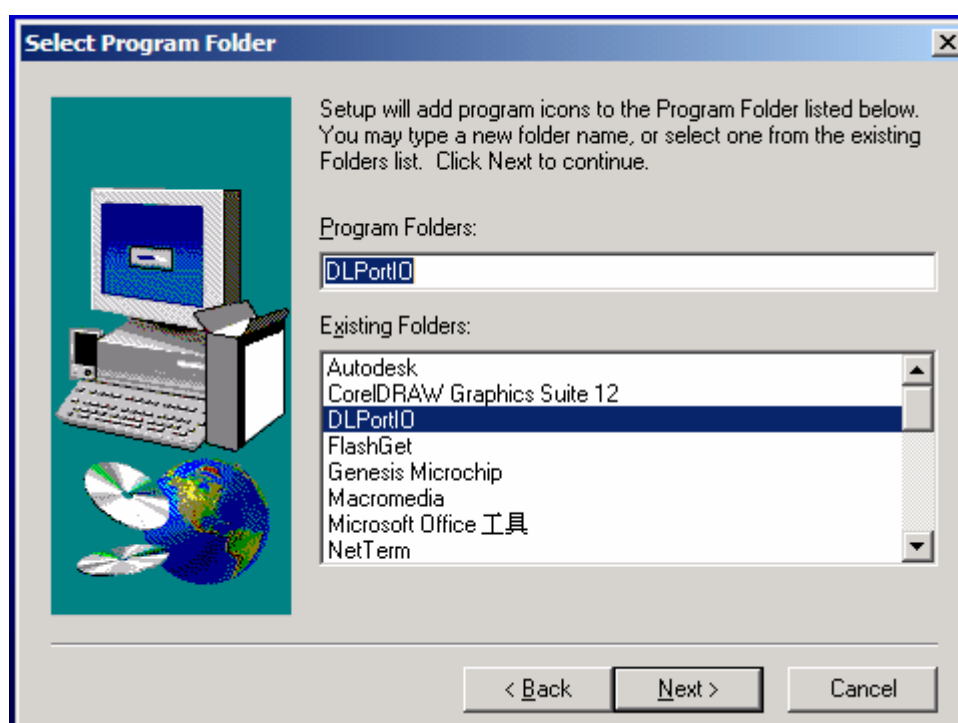
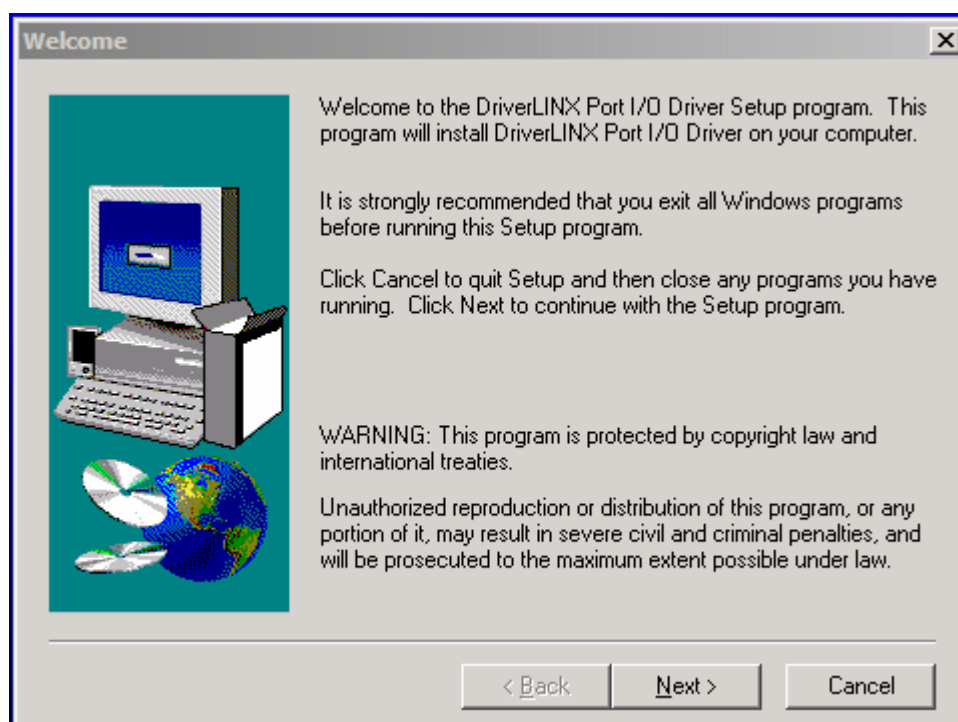



PORT95NT.EXE
PackageForTheWeb Stub
InstallShield Software Corpora...

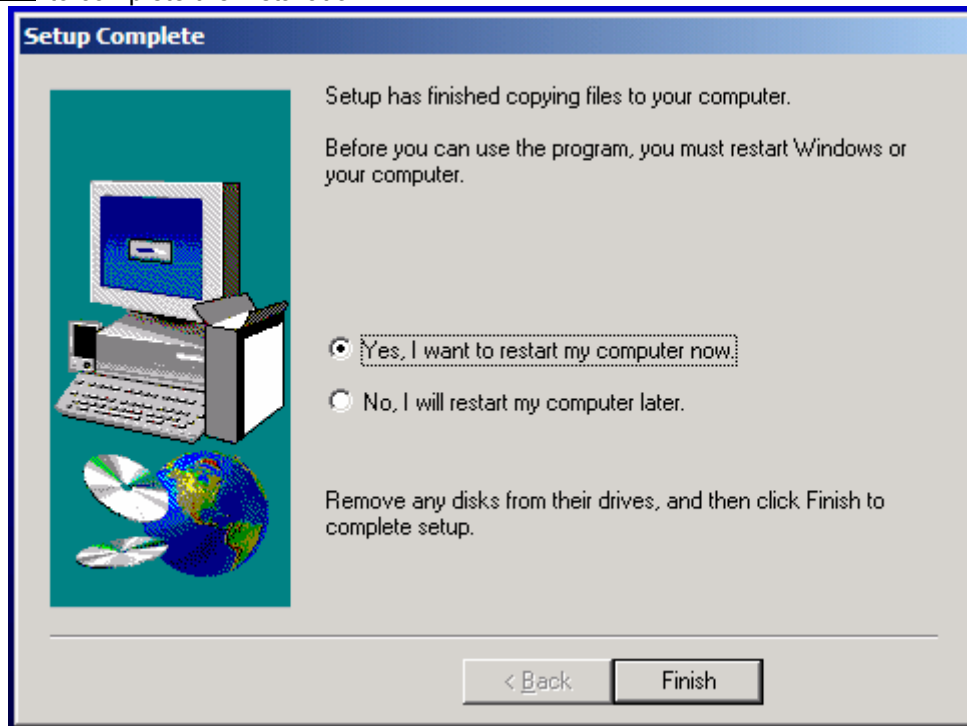
You must install the

at the first. The processing as follows:



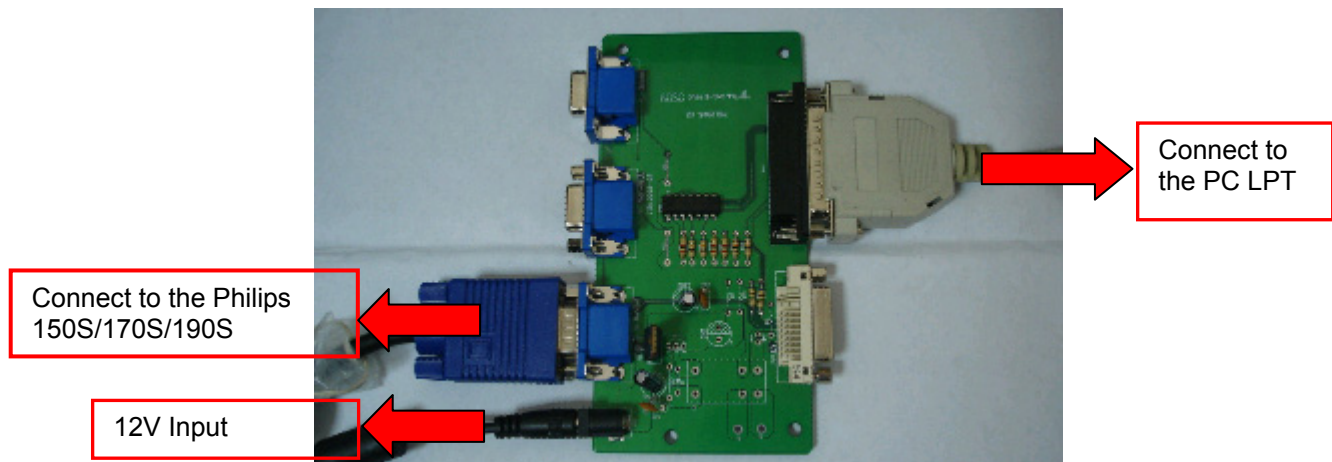


Click  to complete the installation.



Note: After installation, you must restart the PC to take the setup effect.

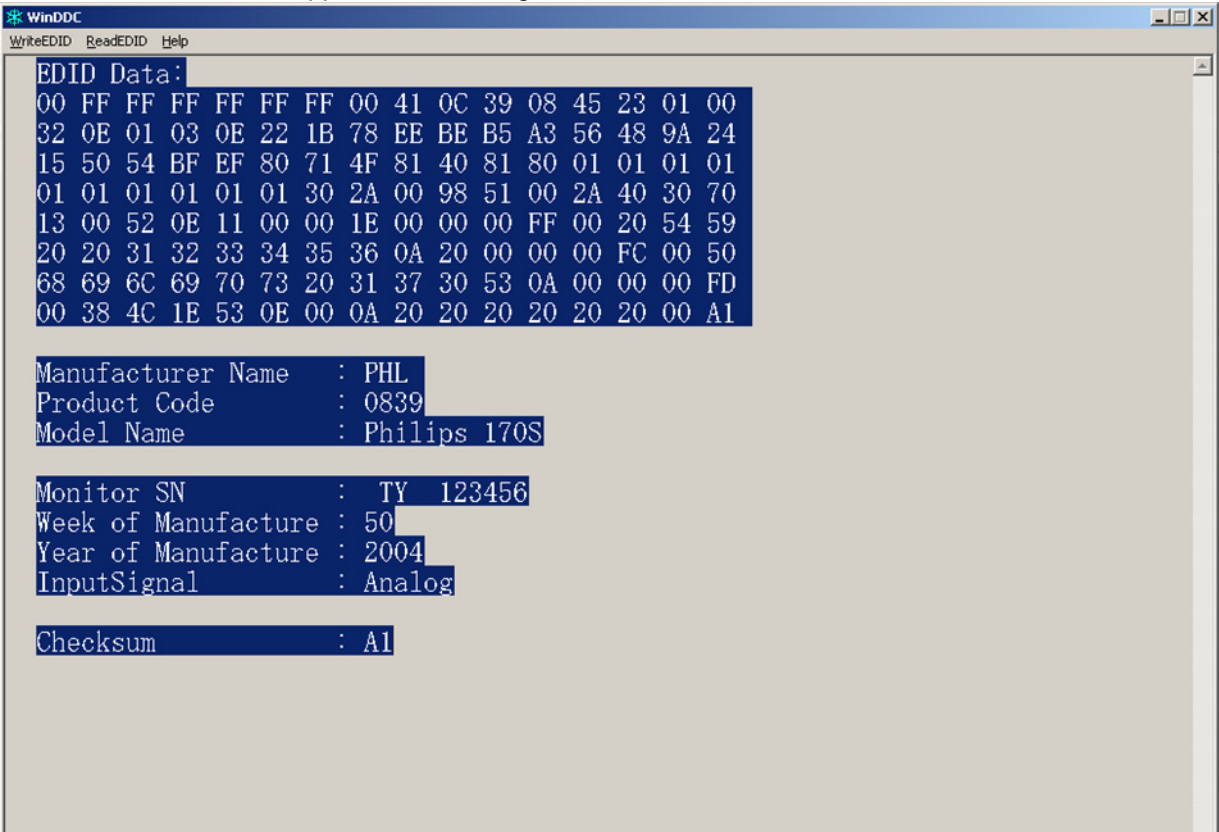
(2). Connect the DDC board as follow:



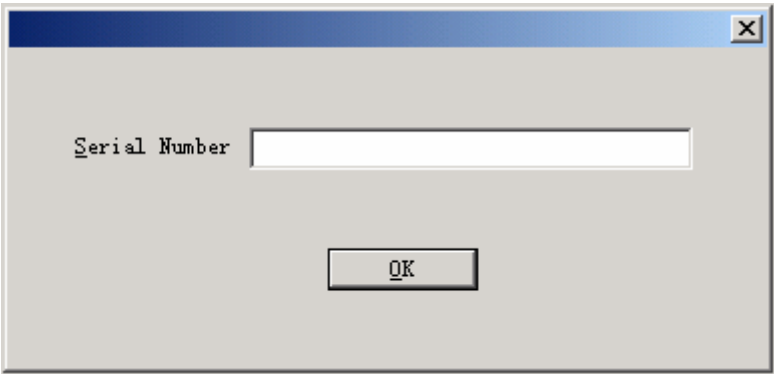
Note: Pin5 of the VGA cable should be cut off.



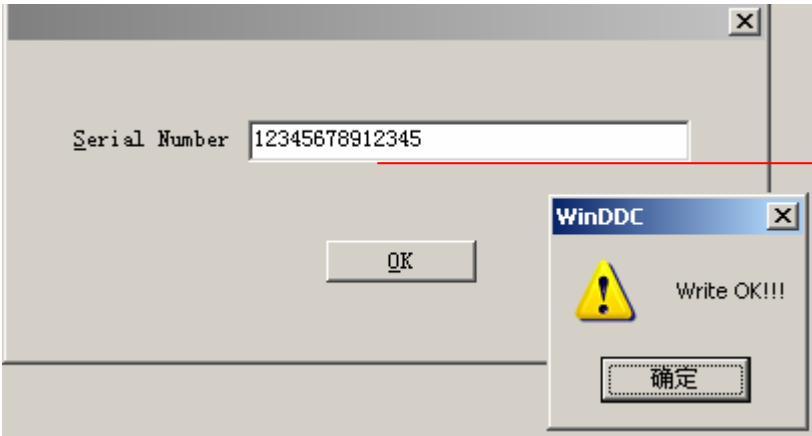
a. Double-click **WinDDC.exe**, appear as follow Figs:



b. Click **WriteEDID**

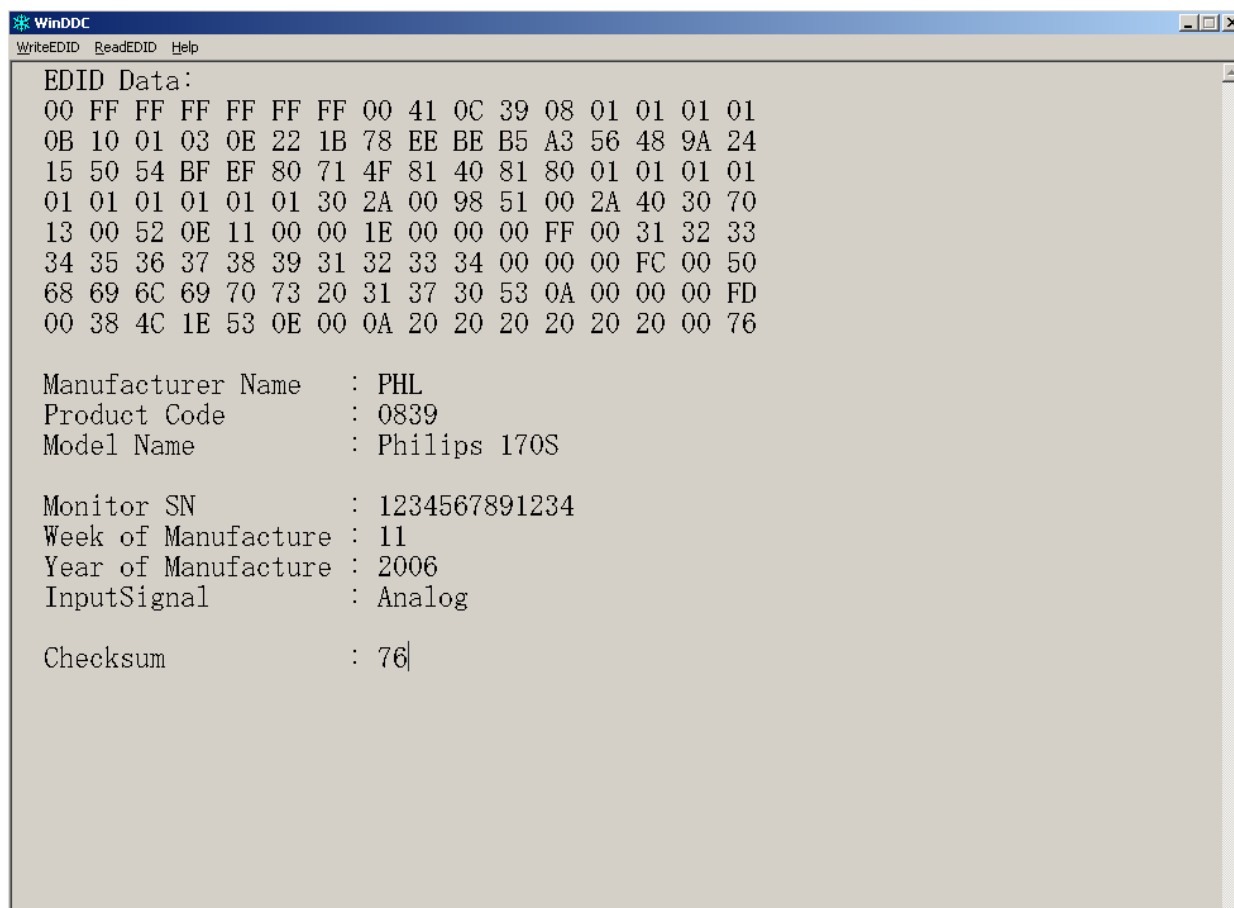


c. Key in the Serial Number printed on the barcode label, then click “OK”



14 codes,
for example.

d. Unit appears the following Fig, writer completed.



170S EDID Program

128 bytes EDID Data (Hex):

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

```

0:  00 FF FF FF FF FF FF 00 41 0C 39 08 01 01 01 01
16: 0A 10 01 03 0E 22 1B 78 EE BE B5 A3 56 48 9A 24
32: 15 50 54 BF EF 80 71 4F 81 40 81 80 01 01 01 01
48: 01 01 01 01 01 01 30 2A 00 98 51 00 2A 40 30 70
64: 13 00 52 0E 11 00 00 1E 00 00 00 FF 00 20 41 55
80: 20 20 30 30 30 30 31 0A 20 00 00 00 FC 00 50
96: 68 69 6C 69 70 73 20 31 37 30 53 0A 00 00 00 FD
112: 00 38 4C 1E 53 0E 00 0A 20 20 20 20 20 20 00 DD

```

Decoded EDID data

<---Header--->

Header: 00 FF FF FF FF FF FF 00

<-x-Header-x->

<---Vendor/Product Identification--->

```

ID Manufacturer Name:  PHL
ID Product Code:       0839
ID Serial Number:      01010101
Week of Manufacture:   10
Year of Manufacture:   2006

```

<-x-Vendor/Product Identification-x->

<---EDID Structure Version/Revision--->

```

EDID Version#:        01
EDID Revision#:       03

```

<-x-EDID Structure Version/Revision-x->

<---Basic Display Parameters/Features--->

```

Video i/p definition:  Analog
Signal Level Standard: 0.700V/0.300V(1.000Vpp)
Setup:                 Blank-to-Black not expected
Separate Sync Support: Yes
Composite Sync Support: Yes
Sync. on green video supported: Yes
Serration of the Vsync.Pulse is not required.
Max. H. Image Size :   34cm.
Max. V. Image Size :   27cm.
Display Gamma:         2.2
DPMS Features, Stand-by: Yes.
DPMS Features, Suspend: Yes.
DPMS Features, Active off: Yes.
Display Type: R.G.B color display.
Standard Default Color Space: Primary color space.
Preferred Timing Mode:  In First Detailed Timing.
GTF supported:         No.

```

<---Basic Display Parameters/Features--->

<---Color Characteristics--->

```

Red x:    0.6386718750
Red y:    0.3388671875
Green x:  0.2861328125
Green y:  0.6035156250
Blue x:   0.1425781250
Blue y:   0.0849609375
White x:  0.3125000000
White y:  0.3300781250

```

<-x-Color Characteristics-x->

<---Established Timings--->

Established Timings 1: BF

-720x400 @70Hz VGA,IBM
 -640x480 @60Hz VGA,IBM
 -640x480 @67Hz Apple,Mac II
 -640x480 @72Hz VESA
 -640x480 @75Hz VESA
 -800x600 @56Hz VESA
 -800x600 @60Hz VESA

Established Timings 2: EF

-800x600 @72Hz VESA
 -800x600 @75Hz VESA
 -832x624 @75Hz Apple,Mac II
 -1024x768 @60Hz VESA
 -1024x768 @70Hz VESA
 -1024x768 @75Hz VESA
 -1280x1024 @75Hz VESA

Established Timings 3: 80

-1152x870 @75Hz Apple,Mac II

<-x-Established Timings-x->

<---Standard Timing Identification--->

-1152x864 @75
 -1280x960 @60
 -1280x1024 @60

<-x-Standard Timing Identification-x->

<---Detailed Timing Descriptions--->

Detailed Timing: 1280x1024 @ 60Hz.

<-x-Detailed Timing Descriptions-x->

<---Detailed Timing Descriptions--->

Detailed Timing: FF (Monitor SN) 'AU 000001'
 Detailed Timing: FC (Monitor Name) 'Philips 170S'
 Detailed Timing: FD (Monitor limits)
 Min. V. rate: 56Hz
 Max. V. rate: 76Hz
 Min. H. rate: 30KHz
 Max. H. rate: 83KHz
 Max. Pixel Clock: 140MHz

<-x-Detailed Timing Descriptions-x->

Extension Flag: 00

Checksum: DD

14. White Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. Required instruments: Chroma 7120、Chroma 2325 (BGA265A)。
2. First connect the instruments together and turn on the LCD power.
3. Set Chroma 2325 (BGA265A) to be T144 (1280*1024/60HZ) and P105 of full white screen.
4. **Enter into the factory mode:**
 Firstly, turn off the power, press the AUTO and OK at one time, and then turn the power on (AUTO and OK are still pressed, about 10s), release, press the menu again will activate the factory mode, the factory OSD will be at the left top of the screen.
 Move the cursor to select the Hyson 170S7*****, press OK button to enter into the sub-menu; Move the cursor again to select " Cool/warm ".
5. Set Chroma-7120 CH3 as 9300K color temperature by ID key, press SC and Next key set 9300K: $x=283\pm20$, $y=297\pm20$, $Y>230$.
 Set Chroma-7120 CH4 as 6500K color temperature by ID key, press SC and Next key set 6500K: $x=313\pm20$, $y=329\pm20$, $Y>200$.
6. Adjust 9300K color temperature:
 - 1). Switch the Chroma-7120 to RGB-Mode (with press "MODE" button)
 - 2). Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
 - 3). Adjust the **R** of Cool item on factory window until chroma 7120 indicator reached the value $R=100\pm5$
 - 4). Adjust the **G** of Cool item on factory window until chroma 7120 indicator reached the value $G=100\pm5$
 - 5). Adjust the **B** of Cool item on factory window until chroma 7120 indicator reached the value $B=100\pm5$
 - 6). Switch the Chroma-7120 to x, y, Y Mode (with press "MODE" button), check whether the color-temperature value is within Spec (the Spec is 9300K: $x=283\pm20$, $y=297\pm20$, $Y>230$). If not in the SPEC, repeat step 3,4,5.
7. Adjust 6500K/SRGB color temperature:
 - 1). Switch the Chroma-7120 to RGB-Mode (with press "MODE" button)
 - 2). Switch the MEM. Channel to Channel 4 (with up or down arrow on chroma 7120)
 - 3). Adjust the **R** of Warm item on factory window until chroma 7120 indicator reached the value $R=100\pm5$
 - 4). Adjust the **G** of Warm item on factory window until chroma 7120 indicator reached the value $G=100\pm5$
 - 5). Adjust the **B** of Warm item on factory window until chroma 7120 indicator reached the value $B=100\pm5$
 - 6). Switch the Chroma-7120 to x, y, Y Mode, check whether the color-temperature value is within Spec.
 the Spec is 6500K: $x=313\pm20$, $y=329\pm20$, $Y>200$. If not in the SPEC, repeat step 3,4,5.

Turn the Power-button off to quit and save the factory mode.

15. Spare Parts List

170S7FS/00

Service Kit

Part No. for TPV	Description	Philips 12NC
715L2005C2	DDC Kit	9965 000 43197
715LT035A	NOVATEK ISP Kit	9965 000 43198
715GT033 C	OSD SN Kit	9965 000 43252

PCB

Part No for TPV	Description	Philips 12NC
CBPC780KGMPHP	CONVERSION BOARD ASS'Y	9965 000 37409
CBPC780KQMPHP	CONVERSION BOARD	9965 000 37010
CBPC780KGMP5P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041330
CBPC780KGMP1P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041576
CBPC6CNNPHQP	MAIN BOARD(750GLB70A7P11M000F)	
CBPC6ANNPHQP	MAIN BOARD(750GLU70G1D12M000F/750GLU70G1D22M000F)	
CBPC6GNNPHQP	MAIN BOARD(750GLG70E3L12M000F/750GLG70E3L42M000F)	
PWPC742QDR5P	POWER BOARD	
PWPC1742QDR1P	POWER BOARD	9965 000 37020
KEPC780KE7P	KEY BOARD	9965 000 35900

Panel

Part No for TPV	Description	Philips 12NC	Remark
750GLG70E1B11	LPL 17" TLBB PANEL	9965 000 37540	
750GLQ70L0761	QDI 17" V11 PANEL	9965 000 37541	
750GLC70A7Q12M000F	PANEL LCD EA07Q 272 PHILIPS CPT	996500038183	Add 2nd source
750GLC70A7Q12M000F	PANEL LCD EA07Q 272 PHILIPS CPT	996500038183	
750GLG70E1B31M000F	PANEL LCD LM170E01-TLBL PHILIPS LPL	996500041256	
750GLU70G1D12M000F	PANEL LCD M170EG01 VD0 PHILIPS AUO		Add 2nd source
750GLG70E3L12M000F	PANEL LM170E03-TLL1 PHILIPS LPL		Add 2nd source
750GLG70E3L42M000F	PANEL LM170E03-TLL4 PHILIPS LPL		Add 2nd source
750GLU70G1D22M000F	PANEL LCD M170EG01 VDA PHILIPS AUO		Add 2nd source

Accessory and Mechanical

Part No for TPV	Description	Philips 12NC
089G728GAA550	SIGNAL CABLE D-SUB GREATIAND	9965 000 35909
089G179E30C4	FFC CABLE P-TWO	9965 000 37008
P44G3790813 5A	CARTON	
P34G1850 VB 2T	REAR COVER(17")	
Q70G1700819A	cd manual for 170s7-d	
089G179J30H 3	FFC CABLE	
P15G8315 3	MAIN FRAME	
P15G82991	BKT-VESA	9965 000 35919
P15G83151	MAIN FRAME	9965 000 37012
P15G83161	POWER BRACKET	9965 000 37013
P33G4972VB1L	COVER_HINGE	9965 000 35921
P33G4989VPA1C	CONTROL BUTTON	9965 000 37108
P34G1846VOA1T	BEZEL	9965 000 37447
P34G1850VB1T	REAR_COVER	9965 000 37016
P37G5591VO	HINGE	9965 000 37110
P85G7421	POWER SHIELDING	9965 000 37023
056G1393A	PC123Y22FZOF	9965 000 36055
061G5810T	8 OHM 4A NTCR BY THINKING	9965 000 36938
061G152M10464	100KOHM 5% 2W	9965 000 36939
061G152M20864	0.20 OHM 2W	9965 000 36940
065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
065G6J1006ET	10PF 5% SL 6KV	9965 000 36942
065G6J1006ET	10PF 5% SL 6KV	9965 000 36942
065G305M1022BP	Y2 1000PF M 250VAC Y5P	9965 000 36943
065G305M1022BP	Y2 1000PF M 250VAC Y5P	9965 000 36943
065G305M2222BP	2200PF -20%	9965 000 36944
067G215D2222KV	105Σ 2200UF M 10V	9965 000 36945
067G215D4714K	ED 470UF 25V	9965 000 36007
067G215D4714K	ED 470UF 25V	9965 000 36007
067G215S10115K	100UF 450V	9965 000 36086
067G215S1024K	ED1000UF 25V	9965 000 36946
067G215S1024K	ED1000UF 25V	9965 000 36946
071G5524	FERRITE BEAD	9965 000 36947
073G17465LS	LINE FILTER BY LISHIN	9965 000 36025
073G253902T	CKOLE COIL 0.8UH	9965 000 36948
073G253902T	CKOLE COIL 0.8UH	9965 000 36948
080GL17T900T	X'FMR SRW28LEC-T93H016	9965 000 36950
080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
084G557GP	FUSE 3.15A 250V	9965 000 37006
087G50132S	AC SOCKET	9965 000 36028
093G5046016	U4KB80R	9965 000 36951
093G6026T52T	RECTIFIER DIODE FR107	9965 000 36030

Main Board (LPL)

Location	Part No for TPV	Description	Philips 12NC
	CBPC780KGMPHP	CONVERSION BOARD ASS'Y	9965 000 37409
CN406	033G801930FH	FPC CONN. 1.0MM 30P	9965 000 36924
C712	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C711	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C710	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C432	067G215Y4797N	LOW ESR EC 4.7 UF 50V NCC	9965 000 35959
C709	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
CN405	088G35315FH	D-SUB 15PIN	9965 000 35960
X401	093G2251	CRYSTAL 12MHZ HC-49US ARG6-120	9965 000 35961
	705G 56G PH018	CPU ASS'Y (CBPC780KGMPHP)	996500041659
	705G 56G PH016	CPU ASS'Y (CBPC780KGMP5P)	996500041664
	705G 56G PH016	CPU ASS'Y (CBPC780KGMP1)	996500041664
U701	056G5637	AIC1084-33PM	9965 000 37095
U702	056G56331	AI1117D-1.8-EI	9965 000 35963
U403	056G113324	AT24C16AN-10SU-2.7	9965 000 35964
U405	056G113334	M24C02-WMN6TP	9965 000 35965
Q401	057G4174	PMBS3904/PHILIPS-SMT(04)	9965 000 35966
Q406	057G4174	PMBS3904/PHILIPS-SMT(04)	9965 000 35966
Q402	057G41713T	KEC 2N3906S-RTK/PS	9965 000 35967
Q404	057G41713T	KEC 2N3906S-RTK/PS	9965 000 35967
Q405	057G7631	A03401 SOT23 BY AOS(A1)	9965 000 35968
FB401	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R411	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R410	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R408	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R407	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R406	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R405	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R422	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R485	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R433	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R432	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R431	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R428	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R427	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R426	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R420	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R472	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R458	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R419	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R418	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R417	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R414	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R402	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R401	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R403	061L0603104	RST SM 0603 RC0603 100K PM5 R	9965 000 35972
R404	061L0603104	RST SM 0603 RC0603 100K PM5 R	9965 000 35972
R434	061L0603105	RST SM 0603 RC0603 1M PM5 R	9965 000 35973

R424	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R423	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R421	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R437	061L0603201	CHIP 200 OHM 1/16W	9965 000 35975
R438	061L0603201	CHIP 200 OHM 1/16W	9965 000 35975
R440	061L0603221	CHIPR 220 OHM -5% 1/16W	9965 000 35976
R441	061L0603221	CHIPR 220 OHM -5% 1/16W	9965 000 35976
R435	061L0603222	CHIPR 2.2K OHM -5% 1/16W	9965 000 35977
R436	061L0603222	CHIPR 2.2K OHM -5% 1/16W	9965 000 35977
R443	061L0603332	CHIP 3.3K OHM 1/10W	9965 000 35978
R442	061L0603332	CHIP 3.3K OHM 1/10W	9965 000 35978
R445	061L06033900F	CHIP 390 OHM 1/10W 1%	9965 000 35979
R701	061L0603470	CHIPR 47 OHM -5% 1/16W	9965 000 35980
R479	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R478	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R476	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R460	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R459	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R449	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R448	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R447	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R446	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R451	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R452	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R453	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R454	061L06037509F	75OHM 1% 1/10W	9965 000 35983
R455	061L06037509F	75OHM 1% 1/10W	9965 000 35983
R456	061L06037509F	75OHM 1% 1/10W	9965 000 35983
FB410	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
R444	061L1206151	CHIP 150OHM 1/4W	9965 000 36068
C714	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C713	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C455	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C454	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C441	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C440	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C439	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C438	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C437	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C433	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C434	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C402	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C701	065G040210232T	0402 MLCC 1000PF K 50V	9965 000 35987
C401	065G040210232T	0402 MLCC 1000PF K 50V	9965 000 35987
C422	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C423	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C424	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C425	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C436	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C446	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988

C702	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C703	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C704	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C705	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C706	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C409	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C410	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C411	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C413	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C414	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C416	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C417	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C418	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C419	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C420	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C421	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C430	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C428	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C427	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C412	065G0402224A5T	MLCC 0402 0.22UF K 10V X5R	9965 000 35990
C403	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C404	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C405	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C406	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C407	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C408	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
FB407	071G56F102K	CHIP BEAD 1KOHM	9965 000 35992
D401	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D406	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D405	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D404	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D416	093G6442PP	BAV70 SOT-23	9965 000 35995
ZD414	093G39S34T	UDZS5.6B	9965 000 35996
ZD408	093G39S34T	UDZS5.6B	9965 000 35996
ZD407	093G39S34T	UDZS5.6B	9965 000 35996
ZD402	093G39S34T	UDZS5.6B	9965 000 35996
ZD401	093G39S34T	UDZS5.6B	9965 000 35996
ZD404	093G39S34T	UDZS5.6B	9965 000 35996
ZD403	093G39S34T	UDZS5.6B	9965 000 35996
FB411	071G56K121M	CHIP BEAD	9965 000 36567

Main Board(QDI)

Location	Part No for TPV	Description	Philips 12NC
	CBPC780KQMPHP	CONVERSION BOARD	9965 000 37010
CN406	033G801930FH	FPC CONN. 1.0MM 30P	9965 000 36924
C712	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C711	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C710	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C709	067G215L1014N	KY25VB100M-L 6.3*11	9965 000 35958
C432	067G215Y4797N	LOW ESR EC 4.7 UF 50V NCC	9965 000 35959
CN405	088G35315FH	D-SUB 15PIN	9965 000 35960
X401	093G2251	CRYSTAL 12MHZ HC-49US ARG6-120	9965 000 35961
	705G 56G PH021	CPU ASS'Y (CBPC780KQMPHP)	996500041662
U701	056G5637	AIC1084-33PM	9965 000 37095
U702	056G56331	AI1117D-1.8-EI	9965 000 35963
U403	056G113324	AT24C16AN-10SU-2.7	9965 000 35964
U405	056G113334	M24C02-WMN6TP	9965 000 35965
Q401	057G4174	PMBS3904/PHILIPS-SMT(04)	9965 000 35966
Q406	057G4174	PMBS3904/PHILIPS-SMT(04)	9965 000 35966
Q402	057G41713T	KEC 2N3906S-RTK/PS	9965 000 35967
Q404	057G41713T	KEC 2N3906S-RTK/PS	9965 000 35967
Q405	057G7631	A03401 SOT23 BY AOS(A1)	9965 000 35968
FB702	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB401	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R411	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R410	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R408	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R407	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R406	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R405	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R422	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R485	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R433	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R432	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R431	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R428	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R427	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R426	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R420	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R472	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R458	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R419	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R418	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R417	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R414	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971

R402	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R401	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R403	061L0603104	RST SM 0603 RC0603 100K PM5 R	9965 000 35972
R404	061L0603104	RST SM 0603 RC0603 100K PM5 R	9965 000 35972
R434	061L0603105	RST SM 0603 RC0603 1M PM5 R	9965 000 35973
R421	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R423	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R424	061L0603151	CHIPR 150 OHM -5% 1/16W	9965 000 35974
R438	061L0603201	CHIP 200 OHM 1/16W	9965 000 35975
R437	061L0603201	CHIP 200 OHM 1/16W	9965 000 35975
R440	061L0603221	CHIPR 220 OHM -5% 1/16W	9965 000 35976
R441	061L0603221	CHIPR 220 OHM -5% 1/16W	9965 000 35976
R435	061L0603222	CHIPR 2.2K OHM -5% 1/16W	9965 000 35977
R436	061L0603222	CHIPR 2.2K OHM -5% 1/16W	9965 000 35977
R443	061L0603332	CHIP 3.3K OHM 1/10W	9965 000 35978
R442	061L0603332	CHIP 3.3K OHM 1/10W	9965 000 35978
R445	061L06033900F	CHIP 390 OHM 1/10W 1%	9965 000 35979
R701	061L0603470	CHIPR 47 OHM -5% 1/16W	9965 000 35980
R479	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R478	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R476	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R460	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R459	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R449	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R448	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R447	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R446	061L0603472	CHIPR 4.7K OHM -5% 1/16W	9965 000 35981
R453	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R452	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R451	061L0603750	CHIPR 75 OHM -5% 1/16W	9965 000 35982
R454	061L06037509F	75OHM 1% 1/10W	9965 000 35983
R455	061L06037509F	75OHM 1% 1/10W	9965 000 35983
R456	061L06037509F	75OHM 1% 1/10W	9965 000 35983
FB410	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
R444	061L1206151	CHIP 150OHM 1/4W	9965 000 36068
C402	065G040210131T	0402 MLCC 100PF J 50V	9965 000 35986
C401	065G040210232T	0402 MLCC 1000PF K 50V	9965 000 35987
C701	065G040210232T	0402 MLCC 1000PF K 50V	9965 000 35987
C422	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C423	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C424	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C425	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C436	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C446	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C702	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C703	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988

C704	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C705	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C706	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C409	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C410	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C411	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C413	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C414	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C416	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C417	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C418	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C419	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C420	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C421	065G040210415T	0402 MLCC 0.1UF K 16V	9965 000 35988
C427	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C428	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C430	065G040222031T	0402 MLCC 22PF J 50V	9965 000 35989
C412	065G0402224A5T	MLCC 0402 0.22UF K 10V X5R	9965 000 35990
C403	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C404	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C405	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C406	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C407	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
C408	065G040247312T	0402 MLCC 47NF K 16V	9965 000 35991
FB407	071G56F102K	CHIP BEAD 1KOHM	9965 000 35992
D401	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D406	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D405	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D404	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D416	093G6442PP	BAV70 SOT-23	9965 000 35995
ZD414	093G39S34T	UDZS5.6B	9965 000 35996
ZD408	093G39S34T	UDZS5.6B	9965 000 35996
ZD407	093G39S34T	UDZS5.6B	9965 000 35996
ZD401	093G39S34T	UDZS5.6B	9965 000 35996
ZD404	093G39S34T	UDZS5.6B	9965 000 35996
ZD403	093G39S34T	UDZS5.6B	9965 000 35996
FB705	071G56K121M	CHIP BEAD	9965 000 36567

Power Board

Location	Part No for TPV	Description	Philips 12NC
	PWPC1742QDR1P	POWER BOARD	9965 000 37020
IC902	056G1393A	PC123Y22FZOF	9965 000 36055
NR901	061G5810T	8 OHM 4A NTCR BY THINKING	9965 000 36938
IC941	056G15810T	AZ431AZ-AE1	9965 000 36101
R905	061G152M10464	100KOHM 5% 2W	9965 000 36939
R920	061G152M20864	0.20 OHM 2W	9965 000 36940
C808	065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
C807	065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
C803	065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
C802	065G3J5096ET	5PF 5% SL 3KV	9965 000 36941
C801	065G6J1006ET	10PF 5% SL 6KV	9965 000 36942
C806	065G6J1006ET	10PF 5% SL 6KV	9965 000 36942
C900	065G305M1022BP	Y2 1000PF M 250VAC Y5P	9965 000 36943
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P	9965 000 36943
C912	065G305M2222BP	2200PF -20%	9965 000 36944
C936	067G215D2222KV	105 Σ 2200UF M 10V	9965 000 36945
C840	067G215D4714K	ED 470UF 25V	9965 000 36007
C820	067G215D4714K	ED 470UF 25V	9965 000 36007
C907	067G215S10115K	100UF 450V	9965 000 36086
C932	067G215S1024K	ED1000UF 25V	9965 000 36946
C933	067G215S1024K	ED1000UF 25V	9965 000 36946
L903	071G5524	FERRITE BEAD	9965 000 36947
L901	073G17465LS	LINE FILTER BY LISHIN	9965 000 36025
L955	073G253902T	CKOLE COIL 0.8UH	9965 000 36948
L951	073G253902T	CKOLE COIL 0.8UH	9965 000 36948
T901	080GL17T900T	X'FMR SRW28LEC-T93H016	9965 000 36950
PT802	080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
F901	084G557GP	FUSE 3.15A 250V	9965 000 37006
CN901	087G50132S	AC SOCKET	9965 000 36028
BD901	093G5046016	U4KB80R	9965 000 36951
D901	093G6026T52T	RECTIFIER DIODE FR107	9965 000 36030
CN951	095G80131215	HARNESS	9965 000 36953
	705G078057001	Q920 ASS'Y	9965 000 36954
	705G078093010	D931 ASS'Y	9965 000 36955
	705G078093011	D935 ASS'Y	9965 000 36956
Q901	057G60035	STP8NK80ZFP	9965 000 36959
D931	093G60267	SP10100	9965 000 36957
D935	093G15062	FMW-2156	9965 000 36958
IC901	056G564911	IC TEA1532AT S08	9965 000 36960
U811	056G60810	OZ9938	9965 000 36059
Q874	057G41712T	KEC 2N3904S-RTK/PS	9965 000 36961
Q886	057G7592	RK7002	9965 000 36033
Q885	057G7592	RK7002	9965 000 36033
Q883	057G7592	RK7002	9965 000 36033
Q881	057G7592	RK7002	9965 000 36033
Q871	057G7592	RK7002	9965 000 36033

Q873	057G7604B	PDTA144WK SOT346	9965 000 36962
Q841	057G76314	AM9945N	9965 000 36100
Q821	057G76314	AM9945N	9965 000 36100
RJ827	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
R849	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
R829	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
R822	061L0805100	CHIPR 10 OHM -5% 1/10W	9965 000 36012
R823	061L0805100	CHIPR 10 OHM -5% 1/10W	9965 000 36012
R842	061L0805100	CHIPR 10 OHM -5% 1/10W	9965 000 36012
R843	061L0805100	CHIPR 10 OHM -5% 1/10W	9965 000 36012
R954	061L0805100	CHIPR 10 OHM -5% 1/10W	9965 000 36012
R836	061L08051002F	CHIP 10K OHM 1/8W 1%	9965 000 36020
R855	061L08051002F	CHIP 10K OHM 1/8W 1%	9965 000 36020
R856	061L08051002F	CHIP 10K OHM 1/8W 1%	9965 000 36020
R835	061L08051002F	CHIP 10K OHM 1/8W 1%	9965 000 36020
R941	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R851	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R888	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R886	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R884	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R882	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R831	061L0805102	CHIPR 1K OHM -5% 1/10W	9965 000 36963
R801	061L0805103	CHIPR 10K OHM -5% 1/10W	9965 000 36964
R804	061L0805103	CHIPR 10K OHM -5% 1/10W	9965 000 36964
R807	061L0805103	CHIPR 10K OHM -5% 1/10W	9965 000 36964
R880	061L0805103	CHIPR 10K OHM -5% 1/10W	9965 000 36964
R887	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R802	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R872	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R885	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R883	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R881	061L0805104	CHIPR 100K OHM -5% 1/10W	9965 000 36965
R819	061L0805105	CHIP 1M OHM 5% 1/8W	9965 000 36013
R912	061L0805105	CHIP 1M OHM 5% 1/8W	9965 000 36013
R946	061L08051103F	110KOHM 1% 1/10W	9965 000 36966
R853	061L0805122	1.2KOHM -5%,1/8W,0805	9965 000 36967
R833	061L0805122	1.2KOHM -5%,1/8W,0805	9965 000 36967
R923	061L0805123	CHIP 12KOHM 1/8W	9965 000 36968
R914	061L08051241F	CHIP 1.24K OHM 1/10W 1%	9965 000 36969
R916	061L0805152	CHIPR 1.5K OHM -5% 1/10W	9965 000 36970
R873	061L0805202	CHIP 2KOHM 1/8W	9965 000 36971
R816	061L0805203	CHIPR 20KOHM -5% 1/8W	9965 000 36972
R865	061L08052320F	CHIP 232OHM	9965 000 36973
R815	061L0805303	CHIP 30K OHM 1/8W	9965 000 36974
R813	061L08053302F	CHIP 33KOHM 1/8W 1%	9965 000 36975
R874	061L0805331	CHIP 330 OHM 5% 1/10W	9965 000 36976
R917	061L0805333	CHIP 33KOHM 1% 1/8W	9965 000 36977
R811	061L0805335	3.3M 0805	9965 000 36978

R943	061L08055101F	CHIP 5.1K OHM 1/10W 1%	9965 000 36979
R812	061L0805624	CHIP 620KOHM 5% 0805 1/8W	9965 000 36980
R825	061L0805752	CHIP 7.5K OHM 1/10W	9965 000 36981
R837	061L0805752	CHIP 7.5K OHM 1/10W	9965 000 36981
R944	061L08059101F	CHIP 9.1K OHM 1/10W 1%	9965 000 36982
R945	061L08059101F	CHIP 9.1K OHM 1/10W 1%	9965 000 36982
R926	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
R918	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
R907	061L1206103	CHIP 10KOHM 5% 1/4W	9965 000 36016
R904	061L1206155	1.5M/0805	9965 000 36983
R910	061L1206155	1.5M/0805	9965 000 36983
R937	061L1206182	CHIP 1.8KOHM	9965 000 36984
R931	061L1206229	CHIP 2.2OHM 5% 1/8W	9965 000 36985
R932	061L1206229	CHIP 2.2OHM 5% 1/8W	9965 000 36985
R927	061L1206472	CHIP 4.7KOHM 5% 1/4W	9965 000 36986
R902	061L1206684	CHIPR 680K OHM -5% 1/8W	9965 000 36024
R901	061L1206684	CHIPR 680K OHM -5% 1/8W	9965 000 36024
R900	061L1206684	CHIPR 680K OHM -5% 1/8W	9965 000 36024
C838	065G080510231	1000PF 50V NPO	9965 000 36991
C861	065G080510231	1000PF 50V NPO	9965 000 36991
C822	065G080510232	CHIP 1000P 50VX7R 0805	9965 000 36038
C823	065G080510232	CHIP 1000P 50VX7R 0805	9965 000 36038
C842	065G080510232	CHIP 1000P 50VX7R 0805	9965 000 36038
C843	065G080510232	CHIP 1000P 50VX7R 0805	9965 000 36038
C887	065G080510322	CHIP 0.01UF 25V X7R 0805	9965 000 36039
C885	065G080510322	CHIP 0.01UF 25V X7R 0805	9965 000 36039
C883	065G080510322	CHIP 0.01UF 25V X7R 0805	9965 000 36039
C881	065G080510322	CHIP 0.01UF 25V X7R 0805	9965 000 36039
C819	065G080510322	CHIP 0.01UF 25V X7R 0805	9965 000 36039
C913	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C955	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C951	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C812	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C914	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C841	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C846	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C874	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C915	065G080512322	CHIP 12NF 25V X7R 0805	9965 000 36992
C860	065G080522122	CHIP 220PF 25V X7R 0805	9965 000 36993
C847	065G080522322	CHIP 0.022UF 25V X7R 0805	9965 000 36043
C831	065G080533132	CHIP 330P 50V X7R 0805	9965 000 36994
C865	065G080533332	CHIP 0.033UF 50V	9965 000 36995
C917	065G080533422	0.33UF -10% 25V X7R 0805	9965 000 36074
C858	065G080539131	CHIP 390PF 50V	9965 000 36996
C813	065G080556131	CHIP 560PF 50V NPO 0805	9965 000 36997
C941	065G080556221	5600PF/25V/NPO/J	9965 000 36998
D851	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994
D831	093G6433	DIO SIG SM BAV99 (PHSE)R	9965 000 35994

D833	093G6442PP	BAV70 SOT-23	9965 000 35995
D883	093G6444S	LL4148WP	9965 000 36035
ZD874	093G39S24T	RLZ 5.6B LLDS	9965 000 36079
ZD975	093G39S25T	RLZ5.1B LLDS	9965 000 37002
R952	061G17210052T	100HM 5% 1/4W	9965 000 36987
R915	061G17210052T	100HM 5% 1/4W	9965 000 36987
R871	061G17210352T	CFR 10KOHM -5% 1/4W	9965 000 36988
R861	061G20010452T	100K OHM 1/4W 1%	9965 000 36989
R863	061G20033352T	33KOHM 1% 1/4W	9965 000 36990
R859	061G212Y625KT	MGFR 6.2MOHM -5% 1/2W	9965 000 36083
R839	061G212Y625KT	MGFR 6.2MOHM -5% 1/2W	9965 000 36083
C920	065G1K1025T	1000PF/1KV	9965 000 36999
C931	065G517K3322T	3.3NF 500V	9965 000 37000
C927	067G3056804KT	ELCAP 68UF M 25V 105 Σ KINGNICH	9965 000 37001
C952	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
F902	084G554	FOSE 382-5A 250V SICKMANN	9965 000 37005
F901	084G557GP	FUSE 3.15A 250V	9965 000 37006
FB901	071G5529	FERRITE BEAD	9965 000 36053
ZD951	093G39A3552T	ZENER DIODE P6KE8.2A ZOWIE	9965 000 37007
D926	093G6038T52T	FR103	9965 000 36095
D919	093G6038T52T	FR103	9965 000 36095

Key Board

Location	Part No for TPV	Description	Philips 12NC
	KEPC780KE7P	KEY BOARD	9965 000 35900
CN101	033G38026H	WAFER 6P RIGHT ANGLE PITCH 2.0	9965 000 35999
SW1	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW2	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW3	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW4	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW5	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW6	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW7	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
SW8	077G6001GCJ	TACT SWITCH TSPB-2 -NP	9965 000 36000
LED1	081G121GP	GP32032ME	9965 000 36001
R109	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R100	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R101	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R104	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R108	061L0603102	CHIPR 1K OHM -5% 1/16W	9965 000 35970
R103	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R107	061L0603103	CHIPR 10K OHM -5% 1/16W	9965 000 35971
R106	061L0603473	RST SM 0603 RC0603 47K PM5 R	9965 000 36003
R102	061L0603473	RST SM 0603 RC0603 47K PM5 R	9965 000 36003
C101	065G060310332	0.01UF -10% 50V X7R	9965 000 36004
C102	065G060310332	0.01UF -10% 50V X7R	9965 000 36004
C103	065G060310332	0.01UF -10% 50V X7R	9965 000 36004
C104	065G060310332	0.01UF -10% 50V X7R	9965 000 36004
C105	065G060310332	0.01UF -10% 50V X7R	9965 000 36004

16. Different Parts List

Diversity of 170S7FS/27 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	089G402A18NIS	POWER CORD	9965 000 37563
	705GQ7K0P3403	STAND-BASE ASS'Y	9965 000 38101
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	750GLQ70L0761M	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37087
	CBPC780KGMP3P	CONVERSION BOARD ASS'Y	9965 000 37416
	CBPC780KQMP2P	CONVERSION BOARD	9965 000 37564
	CBPC780KGMP6P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041327
	089G402A18N LS	POWER CORD(750GLG70E1B31M000F)	996500037417
	CBPC780KCMP1P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041328
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31M000F)	996500037360
	705G 56G PH009	CPU ASS'Y(CBPC780KCMP1P)	996500041654
	705G 56G PH014	CPU ASS'Y (CBPC780KGMP3P)	996500041658
	705G 56G PH020	CPU ASS'Y (CBPC780KQMP2P)	996500041661
	705G 56G PH017	CPU ASS'Y (CBPC780KGMP6P)	996500041665
C431	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C707	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C708	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C426	067G305V2213P	105Σ 220UF M 16V	9965 000 37414
R411	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R410	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB406	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB405	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB404	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB403	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R441	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R440	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
ZD406	093G39S34T	UDZS5.6B	9965 000 35996
ZD405	093G39S34T	UDZS5.6B	9965 000 35996
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB704	071G56K121M	CHIP BEAD	9965 000 36567
ZD406	093G39S34T	UDZS5.6B	9965 000 35996
ZD405	093G39S34T	UDZS5.6B	9965 000 35996
L902	071G5524	FERRITE BEAD	9965 000 36947
PT801	080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
BD901	093G50460900	BRIDGE DIODE GBU408 LITEON	9965 000 37336
D935	093G60240	YG802C06R TO-220F15	9965 000 37337
Q880	057G7592	RK7002	9965 000 36033
Q801	057G7592	RK7002	9965 000 36033
RJ801	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984

RJ804	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
C880	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C832	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C821	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C811	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C842	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C843	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C822	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C823	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
D853	093G6442PP	BAV70 SOT-23	9965 000 35995
D881	093G6444S	LL4148WP	9965 000 36035
D887	093G6444S	LL4148WP	9965 000 36035
D885	093G6444S	LL4148WP	9965 000 36035
CN901	006G31500	EYELET	9965 000 36082
T901	006G31502	1.5MM RIVET	9965 000 36046
PT801	006G31502	1.5MM RIVET	9965 000 36046
PT802	006G31502	1.5MM RIVET	9965 000 36046
NR901	006G31502	1.5MM RIVET	9965 000 36046
L901	006G31502	1.5MM RIVET	9965 000 36046
C907	006G31502	1.5MM RIVET	9965 000 36046
C956	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
C820	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
FB905	071G5523S	BEAD	9965 000 37004
FB902	071G5523S	BEAD	9965 000 37004
FB903	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FS/69 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089A	089G410A18NIS	POWER CORD WALL-OUT FOR UK	9965 000 37340
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	CBPC780KGMP4P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041329
	089G410A18N LS	POWER CORD(750GLG70E1B31M000F)	996500037438
	CBPC780KCMP2P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31M000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	P45G8860936	PE BAG FOR MONITOR	9965 000 35929
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
	750GLQ70L0761M	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37087
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FS/75 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	050G6002	HANDLE1	9965 000 35904
	050G6003	HANDLE2	9965 000 35905
	089G412A18NIS3	POWER CORD WALL-OUT FOR AUSTRA	9965 000 37345
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31M000F)	996500041329
	705GQ7K0P34 02	STAND-BASE ASS'Y(750GLG70E1B31M000F)	996500037412
	P34G1846 VBAIT	BEZEL (750GLG70E1B31M000F)	996500037508
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31M000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN (750GLG70E1B31M000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y(CBPC780KGMP4P)	996500041663
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	P45G8860936	PE BAG FOR MONITOR	9965 000 35929
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FS/93 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089A	089G414A18NLS	POWER CORD	9965 000 37089
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	750GLG70E1B31Z000F	PANEL LCD LM170E01-TLBL ZBD PHILIPS LPL	996500041263
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041329
	089G414A18N LS	POWER CORD (750GLG70E1B31Z000F)	996500037089
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31Z000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780QMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	P34G1846VOB1T	BEZEL	9965 000 37109
	P45G8860936	PE BAG FOR MONITOR	9965 000 35929
	Q44G70031	EPS(R)	9965 000 37091
	Q44G70032	EPS(L)	9965 000 37092
	Q44G70038131A	CARTON	9965 000 37093
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008136A	CD MANUAL	9965 000 37094
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780QMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FS/96 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089A	089G410A18NIS	POWER CORD WALL-OUT FOR UK	9965 000 37340
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	750GLG70E1B31Z000F	PANEL LCD LM170E01-TLBL ZBD PHILIPS LPL	996500041263
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041329
	089G420A18N LS	POWER CORD (750GLG70E1B31Z000F)	996500037448
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31Z000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	P45G8860936	PE BAG FOR MONITOR	9965 000 35929
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
	750GLQ70L0761M	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37087
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/00 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	750GLG70E1B11M000F	PANEL LCD 17" E01 TLBB PHILIPS LPL	996500041326
	CBPC780KGMPHP	CONVERSION BOARD(750GLG70E1B11M000F)	996500037409
	CBPC780KCMPHP	CONVERSION BOARD(750GLG70E1B11M000F)	996500041331
	089G 728CAA550	SIGNAL CABLE D-SUB COMLINK(750GLG70E1B11M000F)	996500041053
	705G 56G PH011	CPU ASS'Y(CBPC780KCMPHP)	996500041656
	705G 56G PH018	CPU ASS'Y (CBPC780KGMPHP)	996500041659
	045G88607	PE BAG FOR MONITOR	9965 000 36555
	050G6002	HANDLE1	9965 000 35904
	050G6003	HANDLE2	9965 000 35905
E750L	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	P33G4989VQA1C	KEY PAD	9965 000 37014
	P34G1846VBA1T	BEZEL	9965 000 37015
	P37G5591VB	HINGE	9965 000 37017
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/69 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	089G402A18NIS	POWER CORD	9965 000 37563
E750L	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KQMP2P	CONVERSION BOARD	9965 000 37564
	P34G1846VBA1T	BEZEL	9965 000 37015
	P37G5591VB	HINGE	9965 000 37017
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP3P	CONVERSION BOARD ASS'Y	9965 000 37416
	CBPC780KGMP4P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041329
	089G 728GAA550	SIGNAL CABLE D-SUB GREATIAND(750GLG70E1B31M000F)	996500035909
	CBPC780KCMP2P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31M000F)	996500037360
	089G410A18N IS	POWER CORD WALL-OUT FOR UK(750GLG70E1B31M000F)	996500037340
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH014	CPU ASS'Y (CBPC780KGMP3P)	996500041658
	705G 56G PH020	CPU ASS'Y (CBPC780KQMP2P)	996500041661
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB704	071G56K121M	CHIP BEAD	9965 000 36567
ZD406	093G39S34T	UDZS5.6B	9965 000 35996
ZD405	093G39S34T	UDZS5.6B	9965 000 35996
FB408	071G56K121M	CHIP BEAD	9965 000 36567

Diversity of 170S7FB/27 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	050G6002	HANDLE1	9965 000 35904
	050G6003	HANDLE2	9965 000 35905
E089A	089G410A18NLS	POWER CORD	9965 000 37438
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	CBPC780KGMP6P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041327
	089G402A18N LS	POWER CORD(750GLG70E1B31M000F)	996500037417
	CBPC780KCMP1P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041328
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31M000F)	996500037360
	705G 56G PH009	CPU ASS'Y(CBPC780KCMP1P)	996500041654
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH017	CPU ASS'Y (CBPC780KGMP6P)	996500041665
	P34G1846VBA1T	BEZEL	9965 000 37015
	P37G5591VB	HINGE	9965 000 37017
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	045G88607	PE BAG FOR MONITOR	9965 000 36555
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/75 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089A	089G412A18NIS3	POWER CORD WALL-OUT FOR AUSTRALIA	9965 000 37345
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	CBPC780KGMP4P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041329
	CBPC780KCMP2P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN(750GLG70E1B31M000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	P34G1846VBA1T	BEZEL	9965 000 37015
	P37G5591VB	HINGE	9965 000 37017
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	045G88607	PE BAG FOR MONITOR	9965 000 36555
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q40G17N8131B	RATING LABEL	9965 000 37011
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008131A	CD MANUAL	9965 000 37024
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/93 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	045G88607	PE BAG FOR MONITOR	9965 000 36555
E089A	089G414A18NLS	POWER CORD	9965 000 37089
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	750GLG70E1B31Z000F	PANEL LCD LM170E01-TLBL ZBD PHILIPS LPL	996500041263
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041329
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN (750GLG70E1B31Z000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	P33G4989VQA1C	KEY PAD	9965 000 37014
	P34G1846VBB1T	BEZEL	9965 000 37090
	P37G5591VB	HINGE	9965 000 37017
	Q44G70031	EPS(R)	9965 000 37091
	Q44G70032	EPS(L)	9965 000 37092
	Q44G70038131A	CARTON	9965 000 37093
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008136A	CD MANUAL	9965 000 37094
	750GLQ70L0761M	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37087
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/96 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089A	089G420A18NIS	POWER CORD	9965 000 37565
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	750GLG70E1B31Z000F	PANEL LCD LM170E01-TLBL ZBD PHILIPS LPL	996500041263
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041329
	089G420A18N IS	POWER CORD (750GLG70E1B31Z000F)	996500037565
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN (750GLG70E1B31Z000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	P34G1846VBA1T	BEZEL	9965 000 37015
	P37G5591VB	HINGE	9965 000 37017
	P85G7411	SCALER SHIELDING	9965 000 37022
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566

Diversity of 170S7FG/27 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089B	089G728GAC550	SIGNAL CABLE D-SUB GREATLAND	9965 000 36556
	089G402E18NIS	POWER CORD	9965 000 36576
	705GQ7K0P3401	STAND-BASE	9965 000 38100
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	CBPC780KGMP3P	CONVERSION BOARD ASS'Y	9965 000 37416
	CBPC780KQMP2P	CONVERSION BOARD	9965 000 37564
	CBPC780KGMP6P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041327
	CBPC780KCMP1P	CONVERSION BOARD(750GLG70E1B31M000F)	996500041328
	089G 728HAC550	SIGNAL CABLE D-SUB HONGHIN (750GLG70E1B31M000F)	996500038086
	705G 56G PH009	CPU ASS'Y(CBPC780KCMP1P)	996500041654
	705G 56G PH014	CPU ASS'Y (CBPC780KGMP3P)	996500041658
	705G 56G PH020	CPU ASS'Y (CBPC780KQMP2P)	996500041661
	705G 56G PH017	CPU ASS'Y (CBPC780KGMP6P)	996500041665
	P33G4972VC1L	COVER_HINGE	9965 000 36562
	P33G4989VVA1C	KEY PAD	9965 000 37441
	P34G1846VCA1T	BEZEL	9965 000 37499
	P34G1850VC1T	REAR_COVER	9965 000 37443
C431	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C707	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C708	067G305V1003	105Σ 10UF -20% 16V	9965 000 37413
C426	067G305V2213P	105Σ 220UF M 16V	9965 000 37414
R411	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R410	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB406	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB405	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB404	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB403	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R441	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R440	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
ZD406	093G39S34T	UDZS5.6B	9965 000 35996
ZD405	093G39S34T	UDZS5.6B	9965 000 35996
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB704	071G56K121M	CHIP BEAD	9965 000 36567
L902	071G5524	FERRITE BEAD	9965 000 36947
PT801	080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
BD901	093G50460900	BRIDGE DIODE GBU408 LITEON	9965 000 37336
D935	093G60240	YG802C06R TO-220F15	9965 000 37337
Q880	057G7592	RK7002	9965 000 36033
Q801	057G7592	RK7002	9965 000 36033

RJ801	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
RJ804	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
C880	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C832	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C821	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C811	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C842	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C843	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C822	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C823	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
D853	093G6442PP	BAV70 SOT-23	9965 000 35995
D881	093G6444S	LL4148WP	9965 000 36035
D887	093G6444S	LL4148WP	9965 000 36035
D885	093G6444S	LL4148WP	9965 000 36035
CN901	006G31500	EYELET	9965 000 36082
T901	006G31502	1.5MM RIVET	9965 000 36046
PT801	006G31502	1.5MM RIVET	9965 000 36046
PT802	006G31502	1.5MM RIVET	9965 000 36046
NR901	006G31502	1.5MM RIVET	9965 000 36046
L901	006G31502	1.5MM RIVET	9965 000 36046
C907	006G31502	1.5MM RIVET	9965 000 36046
C956	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
C820	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
FB905	071G5523S	BEAD	9965 000 37004
FB902	071G5523S	BEAD	9965 000 37004
FB903	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FG/93 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
	045G88607	PE BAG FOR MONITOR	9965 000 36555
E089B	089G728GAC550	SIGNAL CABLE D-SUB GREATLAND	9965 000 36556
E089A	089G414E18NIS	POWER CORD I-SHENG	9965 000 37440
	750GLG70E1B11M	PANEL LCD 17" E01 TLBB PHILIPS L	9965 000 37088
	750GLG70E1B31Z000F	PANEL LCD LM170E01-TLBL ZBD PHILIPS LPL	996500041263
	CBPC780KGMP4P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041329
	089G414E18N IS	POWER CORD (750GLG70E1B31Z000F)	996500037440
	CBPC780KCMP2P	CONVERSION BOARD (750GLG70E1B31Z000F)	996500041054
	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN (750GLG70E1B31Z000F)	996500037360
	705G 56G PH010	CPU ASS'Y(CBPC780KCMP2P)	996500041655
	705G 56G PH012	CPU ASS'Y (CBPC780KGMP2P)	996500041657
	705G 56G PH019	CPU ASS'Y (CBPC780KQMP1P)	996500041660
	705G 56G PH015	CPU ASS'Y (CBPC780KGMP4P)	996500041663
	CBPC780KGMP2P	CONVERSION BOARD	9965 000 37085
	P33G4972VC1L	COVER_HINGE	9965 000 36562
	P33G4989VVA1C	KEY PAD	9965 000 37441
	P34G1846VCB1T	BEZEL	9965 000 37442
	P34G1850VC1T	REAR COVER	9965 000 37443
	P37G5591VC	HINGE	9965 000 37445
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q44G70031	EPS(R)	9965 000 37091
	Q44G70032	EPS(L)	9965 000 37092
	Q44G70038131A	CARTON	9965 000 37093
	Q45G7628A04	PHILIPS PE BAG	9965 000 35940
	Q70G17008136A	CD MANUAL	9965 000 37094
	750GLQ70L076Z0	PANEL LCD 17" EL07 R11 ZBD PHILI	9965 000 37446
	CBPC780KQMP1P	CONVERSION BOARD	9965 000 37086
FB402	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
FB905	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FG/00 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips P/N (12NC)
E089B	089G728GAC550	SIGNAL CABLE D-SUB GREATLAND	9965 000 36556
E089A	089G404E18NLS	POWER CORD LONGWELL	9965 000 36557
E750L	750GLQ70L076M0	PANEL LCD 17" EL07 R11 PHILIPS Q	9965 000 37009
	P33G4972VC1L	COVER_HINGE	9965 000 36562
	P34G1846VCA1T	BEZEL	9965 000 37499
	P34G1850VC1T	REAR_COVER	9965 000 37443
	P37G5591VC	HINGE	9965 000 37445
	P44G37901	EPS	9965 000 37018
	P44G37902	EPS	9965 000 37019
	P44G37908131A	CARTON	9965 000 37021
	P85G7411	SCALER SHIELDING	9965 000 37022
	Q40G17N8132A	RATING LABEL	9965 000 37444
	Q70G17008131A	CD MANUAL	9965 000 37024
	705G 56G PH009	CPU ASS'Y	9965 000 35962
U401	705G56GPH018	CPU ASSY	9965 000 41659
U401	705G56GPH021	CPU ASSY	9965 000 41662
L902	071G5524	FERRITE BEAD	9965 000 36947
PT801	080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
BD901	093G50460900	BRIDGE DIODE GBU408 LITEON	9965 000 37336
D935	093G60240	YG802C06R TO-220F15	9965 000 37337
Q880	057G7592	RK7002	9965 000 36033
Q801	057G7592	RK7002	9965 000 36033
RJ801	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
RJ804	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
C880	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C832	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C821	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C811	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C842	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C843	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C822	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C823	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
D853	093G6442PP	BAV70 SOT-23	9965 000 35995
D881	093G6444S	LL4148WP	9965 000 36035
D887	093G6444S	LL4148WP	9965 000 36035
D885	093G6444S	LL4148WP	9965 000 36035
C956	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
C820	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
FB905	071G5523S	BEAD	9965 000 37004
FB902	071G5523S	BEAD	9965 000 37004
FB903	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FS/78 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips P/N (12NC)
E089B	089G728HAA550	SIGNAL CABLE D-SUB HONGLIN	9965 000 37360
E089A	089G402A18NIS1	MAINSCORD(220V)-1.5M-CM3000	9965 000 39223
	705GQ7K0P3403	STAND-BASE ASS'Y	9965 000 38101
	750GLB70A7Q11M	PANEL LCD 17 EA07Q 272 PHILIPS	9965 000 39682
	750GLC70A7Q12M	PANEL LCD 17 EA07Q 272 PHILIPS	9965 000 39683
	750GLC70A7Q13M	PANEL LCD 17 EA07Q 272 PHILIPS	9965 000 39684
	CBPC780KCMP19P	CONVERSION BOARD	9965 000 39685
	KEPC780KE79P	KEY BOARD	9965 000 39225
	P15G83151CKD	MAIN FRAME	9965 000 39686
	PWPC1742QDR3P	POWER BOARD	9965 000 39687
C431	067G305V1003	105 Σ 10UF -20% 16V	9965 000 37413
C707	067G305V1003	105 Σ 10UF -20% 16V	9965 000 37413
C708	067G305V1003	105 Σ 10UF -20% 16V	9965 000 37413
C426	067G305V2213P	105 Σ 220UF M 16V	9965 000 37414
	705G 56G PH009	CPU ASS'Y	9965 000 35962
R411	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R410	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB406	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB405	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB404	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
FB403	061L0603000	RST SM 0603 JUMP MAX 0R05 R	9965 000 36002
R441	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
R440	061L0603101	CHIPR 100 OHM -5% 1/16W	9965 000 35969
C429	065G040210031T	MLCC 0402 10UF J 50V NPO TAIYO Y	9965 000 36566
ZD406	093G39S34T	UDZS5.6B	9965 000 35996
ZD405	093G39S34T	UDZS5.6B	9965 000 35996
L902	071G5524	FERRITE BEAD	9965 000 36947
PT801	080GL19T8DN1	X'FMR DARFONTK.2006M.101	9965 000 36093
BD901	093G50460900	BRIDGE DIODE GBU408 LITEON	9965 000 37336
D935	093G60240	YG802C06R TO-220F15	9965 000 37337
Q880	057G7592	RK7002	9965 000 36033
Q801	057G7592	RK7002	9965 000 36033
RJ801	061L0805000	CHIPR 0OHM -5% 1/10W	9965 000 35984
RJ804	061L1206000	CHIPR 0 OHM -5% 1/8W	9965 000 36067
C880	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C832	065G080510422	0.1UF -10% 25V X7R 080	9965 000 36040
C821	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C811	065G080510522	CHIP 1UF 25V X7R 0805	9965 000 36073
C842	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C843	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C822	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
C823	065G080522232	CHIP 2200PF 25V X7R 0805	9965 000 37334
D853	093G6442PP	BAV70 SOT-23	9965 000 35995

D881	093G6444S	LL4148WP	9965 000 36035
D887	093G6444S	LL4148WP	9965 000 36035
D885	093G6444S	LL4148WP	9965 000 36035
T901	006G31502	1.5MM RIVET	9965 000 36046
PT801	006G31502	1.5MM RIVET	9965 000 36046
PT802	006G31502	1.5MM RIVET	9965 000 36046
NR901	006G31502	1.5MM RIVET	9965 000 36046
L901	006G31502	1.5MM RIVET	9965 000 36046
C907	006G31502	1.5MM RIVET	9965 000 36046
C956	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
C820	067G215B2214KT	LOW E,S,R 220UF -20% 25V	9965 000 36076
FB905	071G5523S	BEAD	9965 000 37004
FB902	071G5523S	BEAD	9965 000 37004
FB903	071G5523S	BEAD	9965 000 37004

Diversity of 170S7FB/62 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089B	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN	
E089B	089G179E30H 4	FFC CABLE	
E089B	089G404A18N IS	POWER CORD	
	705GQ7K0P34 02	STAND-BASE ASS'Y	
	P34G0003 VB 1B	BASE	
	P37G 559 1	HINGE	
	750GLB70A7P11M000F	PANEL LCD CLAA170EA07P 000 PHILIPS CTOC	
U401	705GQ756007	CPU ASS'Y	
	040G 457624 1B	LABEL-CPU	
U401	056G 562112 G	IC NT68623MEFG-64/G NOVATEK	
	CBPC7CNMPHQ2	CONVERSION BOARD	
C431	067G305V100 3	105℃ 220uf m 16v	
C707	067G305V100 3	105℃ 220uf m 16v	
C708	067G305V100 3	105℃ 220uf m 16v	
C426	067G305V221 3P	105℃ 220uf m 16v	
R411	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R410	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB702	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB406	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB405	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB404	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB403	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB402	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB401	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R441	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R440	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R408	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R406	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R405	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R485	061G0603102	RST CHIP 1K 1/10W 5%	
R433	061G0603102	RST CHIP 1K 1/10W 5%	
R432	061G0603102	RST CHIP 1K 1/10W 5%	
R431	061G0603102	RST CHIP 1K 1/10W 5%	
R428	061G0603102	RST CHIP 1K 1/10W 5%	
R427	061G0603102	RST CHIP 1K 1/10W 5%	
R426	061G0603102	RST CHIP 1K 1/10W 5%	
R422	061G0603102	RST CHIP 1K 1/10W 5%	
R420	061G0603102	RST CHIP 1K 1/10W 5%	
R472	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R458	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R419	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R418	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R417	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	

R414	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R402	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R401	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R403	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R404	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R434	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W	
R421	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R423	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R424	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R438	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R437	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R435	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R436	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R442	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R443	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R445	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W	
R701	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R479	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R478	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R476	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R460	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R459	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R449	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R448	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R447	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R446	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R451	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R452	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R453	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R456	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R455	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R454	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
FB410	061G0805000	0 OHM 1/10W	
R444	061G1206151	RST CHIPR 150 OHM +-5% 1/4W	
C429	065G040210031T	MLCC 0402 10PF J 50V NPO	
ZD406	093G 39S 34 T	UDZS5.6B	
ZD405	093G 39S 34 T	UDZS5.6B	
R109	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R101	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R104	061G0603102	RST CHIP 1K 1/10W 5%	
R108	061G0603102	RST CHIP 1K 1/10W 5%	
R107	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R103	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R102	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R106	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R100	061G0805000	0 OHM 1/10W	

C101	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C102	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C103	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C104	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C105	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
	P33G4989 VQA1C	key pad	
	P34G1846 VBA1T	BEZEL	
	P44G3790 1	EPS	
	P44G3790 2	EPS	
	P44G3790813 1C	Carton	
C908	063G 107474 HS	0.47UF 275VAC	
C908	063G 10747410S	capacitance	
C840	067G215L471 4H	470UF 25V	
C840	067G215Y471 4H	EC CAP 105 470UF 25V	
BD901	093G 50460 10	GBU405	
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON	
IC902	056G 139 3B	PC123 Y82FZ0F	
IC902	056G 139 5A	TCET1103G	
C936	067G215D222 2K	105°C 2200UF M 10V	
C907	067G215Z10115K	ELCAP 100UF M 450V	
C907	067G305T10115H	ELCAP 105°C 100UF M 450V	
T901	080GL17T900 L	XFMR FOR POWER LITAI	
T901	080GL17T900 N	XFMR FOR POWER YUVA	
PT801	080GL19T 8DN1	X'FMR DARFONTK.2006M.101	
L901	S73G17465V	transformer groupware	
L901	S73G17465VW	transformer groupware	
T901	S80GL17T900V	transformer groupware	
	Q40G 17N813 1D	RATING LABEL	
	Q45G 88607 R	pe bag for monitor	
	Q70G1700813 1C	CD MANUAL	

Diversity of 170S7FG/62 compared with 170S7FS/00			
Location	Part No. for TPV	Description	Philips 12NC
E089B	089G 728HAC550	SIGNAL CABLE D-SUB HONGHIN	
E089B	089G179E30H 4	FFC CABLE	
E089B	089G404E18N IS	POWER CORDFOR EUROPE	
	705GQ7K0P34 01	STAND-BASE	
	P34G0003 VC 1B	BASE	
	P37G 559 1	HINGE	
	750GLB70A7P11M000F	PANEL LCD CLAA170EA07P 000 PHILIPS CTOC	
	CBPC7CNMPHQ2	CONVERSION BOARD	
C431	067G305V100 3	105℃ 220uf m 16v	
C707	067G305V100 3	105℃ 220uf m 16v	
C708	067G305V100 3	105℃ 220uf m 16v	
C426	067G305V221 3P	105℃ 220uf m 16v	
R411	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R410	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB702	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB406	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB405	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB404	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB403	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB402	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB401	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R441	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R440	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R408	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R406	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R405	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R485	061G0603102	RST CHIP 1K 1/10W 5%	
R433	061G0603102	RST CHIP 1K 1/10W 5%	
R432	061G0603102	RST CHIP 1K 1/10W 5%	
R431	061G0603102	RST CHIP 1K 1/10W 5%	
R428	061G0603102	RST CHIP 1K 1/10W 5%	
R427	061G0603102	RST CHIP 1K 1/10W 5%	
R426	061G0603102	RST CHIP 1K 1/10W 5%	
R422	061G0603102	RST CHIP 1K 1/10W 5%	
R420	061G0603102	RST CHIP 1K 1/10W 5%	
R472	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R458	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R419	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R418	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R417	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R414	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R402	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R401	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R403	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	

R404	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R434	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W	
R421	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R423	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R424	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R438	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R437	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R435	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R436	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R442	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R443	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R445	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W	
R701	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R479	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R478	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R476	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R460	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R459	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R449	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R448	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R447	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R446	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R451	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R452	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R453	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R456	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R455	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R454	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
FB410	061G0805000	0 OHM 1/10W	
R444	061G1206151	RST CHIPR 150 OHM +-5% 1/4W	
C429	065G040210031T	MLCC 0402 10PF J 50V NPO	
ZD406	093G 39S 34 T	UDZS5.6B	
ZD405	093G 39S 34 T	UDZS5.6B	
R109	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R101	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R104	061G0603102	RST CHIP 1K 1/10W 5%	
R108	061G0603102	RST CHIP 1K 1/10W 5%	
R107	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R103	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R102	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R106	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R100	061G0805000	0 OHM 1/10W	
C101	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C102	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C103	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C104	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	

C105	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
	P33G4989 VQA1C	key pad	
	P34G1846 VBA1T	BEZEL	
	P44G3790 1	EPS	
	P44G3790 2	EPS	
	P44G3790813 1C	Carton	
	P33G4972 VC 1L	COVER_HINGE	
	P33G4989 VVA1C	key pad	
	P34G1846 VCA1T	BEZEL	
	P34G1850 VC 1T	REAR COVER	
	P44G3790 1	EPS	
	P44G3790 2	EPS	
C908	063G 107474 HS	0.47UF 275VAC	
C908	063G 10747410S	capacitance	
C840	067G215L471 4H	470UF 25V	
C840	067G215Y471 4H	EC CAP 105 度 470UF 25V	
BD901	093G 50460 10	GBU405	
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON	
IC902	056G 139 3B	PC123 Y82FZ0F	
IC902	056G 139 5A	TCET1103G	
C936	067G215D222 2K	105℃ 2200UF M 10V	
C907	067G215Z10115K	ELCAP 100UF M 450V	
C907	067G305T10115H	ELCAP 105℃ 100UF M 450V	
T901	080GL17T900 L	XFMR FOR POWER LITAI	
T901	080GL17T900 N	XFMR FOR POWER YUVA	
PT801	080GL19T 8DN1	X'FMR DARFONTK.2006M.101	
L901	S73G17465V	transformer groupware	
L901	S73G17465VW	transformer groupware	
T901	S80GL17T900V	transformer groupware	
	Q45G 88607 R	pe bag for monitor	
	P44G3790813 1C	Carton	
	Q40G 17N813 2C	RATING LABEL	
U401	705GQ756007	CPU ASS'Y	
	040G 457624 1B	LABEL-CPU	
U401	056G 562112 G	IC NT68623MEFG-64/G NOVATEK	

Diversity of 170S7FS/62 compared with 170S7FS/00			
Location	Location	Location	Location
E089B	089G 728HAA550	SIGNAL CABLE D-SUB HONGLIN	
	089G179E30H 4	FFC CABLE	
	089G404A18N IS	POWER CORD	
	750GLB70A7P11M000F	PANEL LCD CLAA170EA07P 000 PHILIPS CTOC	
	CBPC7CNMPHQ2	CONVERSION BOARD	
C431	067G305V100 3	105°C 220uf m 16v	
C707	067G305V100 3	105°C 220uf m 16v	
C708	067G305V100 3	105°C 220uf m 16v	
C426	067G305V221 3P	105°C 220uf m 16v	
R411	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R410	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB702	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB406	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB405	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB404	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB403	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB402	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
FB401	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R441	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R440	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R408	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R407	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R406	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R405	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R485	061G0603102	RST CHIP 1K 1/10W 5%	
R433	061G0603102	RST CHIP 1K 1/10W 5%	
R432	061G0603102	RST CHIP 1K 1/10W 5%	
R431	061G0603102	RST CHIP 1K 1/10W 5%	
R428	061G0603102	RST CHIP 1K 1/10W 5%	
R427	061G0603102	RST CHIP 1K 1/10W 5%	
R426	061G0603102	RST CHIP 1K 1/10W 5%	
R422	061G0603102	RST CHIP 1K 1/10W 5%	
R420	061G0603102	RST CHIP 1K 1/10W 5%	
R472	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R458	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R419	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R418	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R417	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R414	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R402	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R401	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R403	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R404	061G0603104	RST CHIPR 100 KOHM +-5% 1/10W	
R434	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W	
R421	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	

R423	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R424	061G0603151	RST CHIPR 150 OHM +-5% 1/10W	
R438	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R437	061G0603201	RST CHIPR 200 OHM +-5% 1/10W	
R435	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R436	061G0603222	RST CHIPR 2.2 KOHM +-5% 1/10W	
R442	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R443	061G0603332	RST CHIPR 3.3 KOHM +-5% 1/10W	
R445	061G0603390 0F	RST CHIPR 390 OHM +-1% 1/10W	
R701	061G0603470	RST CHIPR 47 OHM +-5% 1/10W	
R479	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R478	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R476	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R460	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R459	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R449	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R448	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R447	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R446	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W	
R451	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R452	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R453	061G0603750	RST CHIPR 75 OHM +-5% 1/10W	
R456	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R455	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
R454	061G0603750 9F	RST CHIPR 75 OHM +-1% 1/10W	
FB410	061G0805000	0 OHM 1/10W	
R444	061G1206151	RST CHIPR 150 OHM +-5% 1/4W	
C429	065G040210031T	MLCC 0402 10PF J 50V NPO	
ZD406	093G 39S 34 T	UDZS5.6B	
ZD405	093G 39S 34 T	UDZS5.6B	
	P44G3790 1	EPS	
	P44G3790 2	EPS	
C908	063G 107474 HS	0.47UF 275VAC	
C908	063G 10747410S	capacitance	
C840	067G215L471 4H	470UF 25V	
C840	067G215Y471 4H	EC CAP 105 470UF 25V	
BD901	093G 50460 10	GBU405	
BD901	093G 50460900	BRIDGE DIODE GBU408 LITEON	
IC902	056G 139 3B	PC123 Y82FZ0F	
IC902	056G 139 5A	TCET1103G	
C936	067G215D222 2K	105°C 2200UF M 10V	
C907	067G215Z10115K	ELCAP 100UF M 450V	
C907	067G305T10115H	ELCAP 105°C 100UF M 450V	
T901	080GL17T900 L	XFMR FOR POWER LITAI	
T901	080GL17T900 N	XFMR FOR POWER YUVA	
PT801	080GL19T 8DN1	X'FMR DARFONK.2006M.101	

L901	S73G17465V	transformer groupware	
L901	S73G17465VW	transformer groupware	
T901	S80GL17T900V	transformer groupware	
R109	061G0603000	RST CHIPR 0 OHM +-5% 1/10W	
R101	061G0603101	RST CHIPR 100 OHM +-5% 1/10W	
R104	061G0603102	RST CHIP 1K 1/10W 5%	
R108	061G0603102	RST CHIP 1K 1/10W 5%	
R107	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R103	061G0603103	RST CHIPR 10 KOHM +-5% 1/10W	
R102	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R106	061G0603473	RST CHIPR 47 KOHM +-5% 1/10W	
R100	061G0805000	0 OHM 1/10W	
C101	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C102	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C103	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C104	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
C105	065G060310332K	CAP CHIP 0603 10N 50V X7R +/-10%	
	Q45G 76 28B04 R	PE BAG FOR MANUAL	
	Q70G1700813 1C	CD MANUAL	
	705GQ7K0P34 03	STAND-BASE ASS'Y	
	P34G0003 VOA1B	STAND-BASE	
	P37G 559 1	HINGE	
	P45G 88609 36 R	EPE BAG FOR MONITOR	
	P44G3790813 1C	Carton	
	Q40G 17N813 1D	RATING LABEL	
U401	705GQ756007	CPU ASS'Y	
	040G 457624 1B	LABEL-CPU	
U401	056G 562112 G	IC NT68623MEFG-64/G NOVATEK	

17. General Product Specification

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- . ANALOG D-SUB INPUT
- . AUTO PICTURE ADJUSTMENT
- . 17 FACTORY PRESET MODES AND 33 PRESET MODES WHICH CAN BE RECOVERED TO PRESET MODES
- . USER FRIENDLY OSD DISPLAY FOR MODE IDENTIFICATION /ADJUSTMENT
- . MAX. RESOLUTION 1280*1024 NON-INTERLACED AT 75 HZ
- . 17" COLOR TFT LCD FLAT PANEL
- . EASY TILT & FOLDABLE BASE
- . FULL RANGE POWER SUPPLY 90 – 264 VAC
- . CE ENVIRONMENTAL POLICY
- . ANTI-GLARE TO REDUCE LIGHT REFLECTION
- . SMART MANAGEMENT AND SMART CONTROL REQUIREMENT
- . POWER MANAGEMENT CAPABILITY
- . SOG SUPPORT
- . TCO 03
- . RoHS required
- . WEEE required

FOREWORD

This specification describes a 17" wide SXGA multi-scan color TFT LCD monitor with max. resolution up to 1280*1024/ 75 Hz non-interlaced. All optical characteristics (including WHITE-D, Brightness, and so on) are determined according to panel specification after warming up approximate 30 minutes that brightness stability is optimal, and follow strictly after panel specification.

1. PRODUCT PROFILE

This display monitor unit is a color display monitor enclosed in PHILIPS global styling cabinet, which has an integrated foldable base.

1.1 LCD

Type NR.	: LM170E01-TLBB/TLBD ,
Outside dimensions	: 358.5(w)*296.5(h)*17.0(d) (Typ) mm
Pitch (mm)	: 0.264 x 0.264mm
Color pixel arrangement:	RGB vertical stripes
Display surface	: low reflection, antiglare with hard coating
Color depth	: 16M colors (8 bits)
Backlight	: 4 CCFL's
Active area(WxH)	: 17" diagonal
View angle	: Horizontal $\pm 70^\circ$, Vertical $+75^\circ, -65^\circ$ (CR>10)
Contrast ratio	: 700:1(Typ.) 500:1(Min.)
White luminance	: Original color 250 nits (Min), 300 nits (Typ.)
Gate IC	: Toshiba (TLBB , TLBD)
Source IC	: SS (TLBB) , NEC (TLBD)
Response time	: 8ms

Type NR.	: QD17EL07-Rev11
Outside dimensions	: 358.5(w)*296.5(h)*17.0(d)(Max)mm
Pitch (mm)	: 0.264 x 0.264mm
Color pixel arrangement :	RGB vertical stripes
Display surface	: low reflection, antiglare with hard coating
Color depth	: 16M colors (8 bits)
Backlight	: 4 CCFL's
Active area(WxH)	: 17" diagonal
View angle	: Horizontal $\pm 70^\circ$, Vertical $+65^\circ, -60^\circ$ (CR>10)
Contrast ratio	: 600:1(Typ.) 400:1(Min.)
White luminance	: Original color 220nits (Min), 270nits (Typ.)
Gate IC	: Novatek NT39328 , Sunplus SPLC1698A
Source IC	: Novatek NT39604, Sunplus SPFD6464A
Response time	: 8ms

1.2 Scanning frequencies

Hor.	: 30 – 83 KHz
Ver.	: 56 - 76Hz
Video dot rate	: 140MHz
Power input	: 90-264 V AC, 50/60 \pm 2 Hz
Power consumption	: 36W (max.), 30W (typ.)

Functions :

- (1) D-SUB: analog R/G/B separate inputs, H/V sync separated, Composite (H+V) TTL level, SOG sync
- (2) DVI_A: NA
- (3) DVI_D: NA

1.3 Ambient temperature : 0 °C - 35 °C**2. Electrical characteristics**

2.1 Interface signals

The input signals can be applied in three different modes :

1). D-Sub Analog

Input signal : Video, Hsync., Vsync

Video : 0.7 Vp-p, input impedance, 75 ohm @DC

Sync. : Separate sync TTL level , input impedance 2.2k ohm terminate

Hsync Positive/Negative

Vsync Positive/Negative

Composite sync TTL level, input impedance 5k ohm terminate (Positive/Negative)

Sync on green video 0.3 Vp-p Negative (Video 0.7 Vp-p Positive)

2). Intel DVI Digital

NA

2.2 Interface

2.2.1 D-Sub Cable

Length : 1.8 M +/- 50mm (fixed)
 Connector type : D-Sub male with DDC2B pin assignments.
 Blue connector thumb-operated jack screws

pin assignment :

PIN No.	SIGNAL
1	Red
2	Green/ SOG
3	Blue
4	Sense (GND)
5	Cable Detect
6	Red GND
7	Green GND
8	Blue GND
9	DDC +5V
10	GND
11	Sense (GND)
12	Bi-directional data
13	H/H+V sync
14	V-sync
15	Data clock

2.2.2 DVI Cable

NA

2.2.3 Software control functions via OSD/control adjustable functions:

(1) PC Analog only Signal Input Mode

Adjustable functions:

1 st LEVEL	2 nd LEVEL	3rd LEVEL
MONITOR SETUP		
Exit		
Brightness & Contrast	Brightness Contrast	
Color	Original Color, 9300K,6500K, sRGB, User Define	
Position	Horizontal Vertical	
More Settings	Language	/00 : English, Espanol, Frencais, Deutsch, Italiano, , Russian /27 : English, Espanol, Frencais, Portuguess, S-Chinese /69,/75,/93,/96 : English, Espanol, Frencais, Deutsch, Italiano, , S-Chinese
	Phase/ Clock	Phase Clock
	OSD Settings	Horizontal Vertical
Reset	No Yes	
Serial No.:		
(Serial No.)		
Timing Mode		
Up/Down to Move, <input type="checkbox"/> to Confirm		

Remark : < to Adjust > ----- < to Move > - < to Confirm >

Remark : Color Temperature factory default setting = see 170S7 SKU.

Remark: Language default to English, and Language couldn't be reset.

(2) Digital interface OSD :

NA

2.3 Timing requirement**2.3.1 Mode storing capacity**

Factory preset modes : 17

Preset modes : 33

2.3.2 Factory preset timings

Item	H.Freq. (KHz)	Mode	Resolution	V.Freq. (Hz)	Item	H.Freq. (KHz)	Mode	Resolution	V.Freq. (Hz)
1	31.469	DOS	720x400	70.087	11	60.023	VESA	1024x768	75.029
2	31.469	VESA	640x480	59.940	12	67.500	VESA	1152x864	75.000
3	37.861	VESA	640x480	72.809	13	60.000	VESA	1280x960	60.000
4	37.500	VESA	640x480	75.000	14	63.981	VESA	1280x1024	60.020
5	35.156	VESA	800x600	56.250	15	79.976	VESA	1280x1024	75.025
6	37.879	VESA	800x600	60.317	16	35.000	MACINTOSH	640x480	67.000
7	48.077	VESA	800x600	72.188	17	49.700	MACINTOSH	832x624	75.000
8	46.875	VESA	800x600	75.000	18				
9	48.363	VESA	1024x768	60.004	19				
10	56.476	VESA	1024x768	70.069	20				

2.3.3 Preset Modes

MODE NO.	1	2	3	4
RESOLUTION	640 x 350	720 x 400	640 x 480	640 x 480
Dot clock(MHz)	25.175	28.321	25.175	30.24
f h	31.469kHz	31.468kHz	31.5kHz	35 kHz
A (us)	31.778(800 dots)	31.78(900dots)	31.778(800 dots)	28.571 (864 dots)
B (us)	3.813(96 dots)	3.813(108dots)	3.813(96 dots)	2.116 (64 dots)
C (us)	1.907(48 dots)	1.907(54dots)	1.907(48 dots)	3.175(96 dots)
D (us)	25.422(640 dots)	25.42(720dots)	25.422(640 dots)	21.164(640 dots)
E (us)	0.636(16 dots)	0.636(18dots)	0.636(16 dots)	2.116(64 dots)
f v	70Hz(70.09)	70Hz(70.085)	60Hz	67Hz
O (ms)	14.27(449 lines)	14.27(449 lines)	16.683 (525 lines)	15 (525 lines)
P (ms)	0.064(2 lines)	0.064(2 lines)	0.064 (2 lines)	0.086(3 lines)
Q (ms)	1.907(60 lines)	1.080(34 lines)	1.049 (33 lines)	1.114(39 lines)
R (ms)	11.12(350 lines)	12.71(400 lines)	15.253 (480 lines)	13.714(480 lines)
S (ms)	1.175(37 lines)	0.381(13 lines)	0.317 (10 line)	0.086(3 line)
SYNC. H/V	+/-	-/+	- / -	- / -
POLARITY				
SEP . SYNC	Y	Y	Y	Y

MODE NO.	5	6	7	8
RESOLUTION	640 x 480	640 x 480	640x480	800 x 600
Dot clock(MHz)	31.500	31.501	36	36
f h	37.861kHz	37.5kHz	36kHz	35.2kHz
A (us)	26.413(832 dots)	26.667 (840 dots)	23.111 (832 dots)	28.444(1024 dots)
B (us)	1.270(40 dots)	2.032 (54 dots)	1.556 (56 dots)	2.000 (72 dots)
C (us)	3.810(120 dots)	3.81 (120 dots)	2.222 (80 dots)	3.556 (128 dots)
D (us)	20.317(640 dots)	20.317 (640 dots)	17.778 (640 dots)	22.222(800 dots)
E (us)	1.016(32 dots)	0.508 (26 dots)	1.555 (56 dots)	0.666 (24 dots)
f v	72.809Hz	75Hz	85Hz	56Hz
O (ms)	13.735(520 lines)	13.333 (500 lines)	11.763 (509 lines)	17.778 (625 lines)
P (ms)	0.079(3 lines)	0.08 (3 lines)	0.069 (3 lines)	0.057 (2 lines)
Q (ms)	0.528(20 lines)	0.427 (16 lines)	0.578 (25 lines)	0.626 (22 lines)
R (ms)	12.678(480 lines)	12.8 (480 lines)	11.093 (480 lines)	17.066 (600 lines)
S (ms)	0.45(17 lines)	0.026 (1 lines)	0.023 (1 lines)	0.029 (1 line)
SYNC. H/V POLARITY	-/-	- / -	-/-	+ / +
SEP . SYNC	Y	Y	Y	Y

MODE NO.	9	10	11	12
RESOLUTION	800 x 600	800 x 600	800 x 600	800 x 600
Dot clock(MHz)	40	50	49.498	56.251
f h	37.9kHz	48.077kHz	46.9kHz	53.7kHz
A (us)	26.4 (1056 dots)	20.80 (1040dots)	21.333(1056 dots)	18.631 1048 dots)
B (us)	3.2 (128 dots)	2.400 (120 dots)	1.616 (80 dots)	1.138 (64 dots)
C (us)	2.2 (88 dots)	1.280 (64 dots)	3.232 (160 dots)	2.702 (152 dots)
D (us)	20 (800 dots)	16.00 (800 dots)	16.162 (800 dots)	14.222 (800 dots)
E (us)	1 (40 dots)	1.120 (56 dots)	0.323 (16 dots)	0.569 (32 dots)
f v	60Hz	72Hz (72.188)	75Hz	85Hz
O (ms)	16.579 (628 lines)	13.85 (666 lines)	13.333 (625 lines)	11.756(631 lines)
P (ms)	0.106 (4 lines)	0.125 (6 lines)	0.064 (3 lines)	0.056 (3 lines)
Q (ms)	0.607 (23 lines)	0.478 (23 lines)	0.448 (21 lines)	0.503 (27 lines)
R (ms)	15.84 (600lines)	12.48 (600 lines)	12.8 (600 lines)	11.179 (600 lines)
S (ms)	0.026 (1 line)	0.770 (37 line)	0.021 (1 line)	0.018 (1 lines)
SYNC. H/V POLARITY	+ / +	+ / +	+ / +	+ / +
SEP . SYNC	Y	Y	Y	Y

MODE NO.	13	14	15	16
RESOLUTION	832 x 624	1024 x 768	1024 x 768	1024 x 768
Dot clock(MHz)	57.28	65	75	78.75
f h	49.7kHz	48.363kHz	56.5kHz	60kHz
A (us)	20.11(1152 dots)	20.677(1344 dots)	17.707(1328 dots)	16.66 (1312dots)
B (us)	1.117(64 dots)	2.092(136 dots)	1.813(136 dots)	1.219 (96 dots)
C (us)	3.91(224 dots)	2.462(160 dots)	1.920(144 dots)	2.235 (176 dots)
D (us)	14.52(832 dots)	15.754(1024 dots)	13.653(1024 dots)	13.003(1024 dots)
E (us)	0.563(32 dots)	0.369(24 dots)	0.321 (24 dots)	0.203 (16 dots)
f v	75Hz	60.004Hz	70.004Hz	75Hz (75.000)
O (ms)	13.41(667 lines)	16.666(806 lines)	14.272(806 lines)	13.328 (800 lines)
P (ms)	0.06(3 lines)	0.124(6 lines)	0.106(6 lines)	0.05(3 lines)
Q (ms)	0.784(39 lines)	0.600(29 lines)	0.514(29 lines)	0.446 (28 lines)
R (ms)	12.55(624 lines)	15.880(768 lines)	13.599(768 lines)	12.80 (768 lines)
S (ms)	0.016(1 lines)	0.062(3 lines)	0.053(3 lines)	0.017 (1 line)
SYNC. H/V	+/+	- / -	-/-	+ / +
POLARITY				
SEP . SYNC	Y	Y	Y	Y

MODE NO.	17	18	19	20
RESOLUTION	1024 x 768	1024 x 768	1152 x 864	1152 x 864
Dot clock(MHz)	83.096	94.5	79.9	94.5
f h	61.1kHz	68.7kHz	54.0kHz	63.9kHz
A (us)	16.367 (1360dots)	14.561(1376 dots)	18.523(1480 dots)	15.661(1480 dots)
B (us)	1.348 (112 dots)	1.016 (96 dots)	1.952(156 dots)	1.016(96 dots)
C (us)	2.022 (168 dots)	2.201 (208 dots)	1.352(108 dots)	1.116(105 dots)
D (us)	12.323(1024 dots)	10.836(1024 dots)	14.418(1152 dots)	12.19(1152 dots)
E (us)	0.674 (56 dots)	0.508 (48 dots)	0.801(64 dots)	1.339(127 dots)
f v	76Hz	85Hz	60Hz	70Hz
O (ms)	13.142 (803 lines)	11.765 (808 lines)	16.671(900lines)	14.283(912lines)
P (ms)	0.049 (3 lines)	0.044 (3 lines)	0.148(8 lines)	0.047(3lines)
Q (ms)	0.507 (31 lines)	0.524 (36 lines)	0.445(24 lines)	0.689(44 lines)
R (ms)	12.57 (768 lines)	11.183 (768lines)	16.004(864 lines)	13.531(864 lines)
S (ms)	0.016 (1 line)	0.014 (1 line)	0.074(4 lines)	0.016(1 lines)
SYNC. H/V	+ / +	+ / +	+/+	+/+
POLARITY				
SEP . SYNC	Y	Y	Y	Y

MODE NO.	21	22	23	24
RESOLUTION	1152 x 864	1152 x 870	1152 x 900	1152 x 900
Dot clock(MHz)	108	100	94.5	108
f h	67.5kHz	68.7kHz	61.8kHz	71.8kHz
A (us)	14.815(1600 dots)	14.56 (1456 dots)	16.169(1528 dots)	13.926 (1054dots)
B (us)	1.185 (128 dots)	1.28 (128 dots)	1.354 (128 dots)	1.185 (128 dots)
C (us)	2.37 (256 dots)	1.44(144 dots)	2.201 (208 dots)	1.778 (192 dots)
D (us)	10.667 (1152 dots)	11.52 (1152 dots)	12.19 (1152 dots)	10.667(1152 dots)
E (us)	0.593 (64 dots)	0.32 (32 dots)	0.424 (40 dots)	0.296 (32 dots)
f v	75Hz	75Hz	66Hz	76Hz
O (ms)	13.333 (900 lines)	13.333 (916 lines)	15.151 (937lines)	13.132 (943 lines)
P (ms)	0.044 (3 lines)	0.044 (3 lines)	0.065 (4 lines)	0.111(8 lines)
Q (ms)	0.474 (32 lines)	0.568(39 lines)	0.501 (31 lines)	0.46 (33 lines)
R (ms)	12.8 (864 lines)	12.678 (870 lines)	14.552 (900lines)	12.533 (900 lines)
S (ms)	0.015 (1 lines)	0.043 (4 line)	0.033 (2 line)	0.028 (2 lines)
SYNC. H/V POLARITY	- / -	- / -	Serr-	+ / +
SEP . SYNC	Y	Y	Y	Y

MODE NO.	25	26	27	28
RESOLUTION	1280 x 960	1280 x 960	1280 x 1024	1280 x 1024
Dot clock(MHz)	108	129.895	108	117
f h	60kHz	75kHz	64kHz	71.7kHz
A (us)	16.667(1800 dots)	13.307(1728 dots)	15.63 (1688 dots)	13.949(1632 dots)
B (us)	1.037(112 dots)	1.047 (136 dots)	1.037 (112 dots)	0.957 (112 dots)
C (us)	2.889(312 dots)	1.725 (224 dots)	2.296 (248 dots)	1.915 (224 dots)
D (us)	11.852(1280 dots)	9.857 (1280 dots)	11.852 (1280 dots)	10.94 (1280 dots)
E (us)	0.889(96 dots)	0.678 (88 dots)	0.445 (48 dots)	0.137 (16 dots)
f v	60Hz	75Hz	60Hz	67Hz
O (ms)	16.667(1000 lines)	13.333(1002 lines)	16.661(1066 lines)	14.883 (1067lines)
P (ms)	0.05(3 lines)	0.039 (3 lines)	0.047 (3 lines)	0.112 (8 lines)
Q (ms)	0.600(36 lines)	0.48 (36 lines)	0.594 (38 lines)	0.46 (33 lines)
R (ms)	16(960 lines)	12.774 (960 lines)	16.005(1024 lines)	14.283(1024 lines)
S (ms)	0.017(1 lines)	0.04 (3 lines)	0.015 (1 line)	0.028 (2 lines)
SYNC. H/V POLARITY	+/+	+ / +	+ / +	+ / +
SEP . SYNC	Y	Y	Y	Y

MODE NO.	29	30	31	32
RESOLUTION	1280 x 1024	1280 x 1024	1280 x 1024	960x720
Dot clock(MHz)	130.223	135	138.008	57.58
F h	76kHz	80kHz	81.1kHz	44.76kHz
A (us)	13.158(1712 dots)	12.504(1688 dots)	12.326(1664 dots)	22.34(1286 dots)
B (us)	1.024 (133 dots)	1.067(144 dots)	0.474 (64 dots)	1.72(99 dots)
C (us)	1.905 (248 dots)	1.837(248 dots)	2.133 (288 dots)	2.58(148 dots)
D (us)	9.83 (1280 dots)	9.481(1280 dots)	9.481 (1280 dots)	16.67(960 dots)
E (us)	0.399(51 dots)	0.119(16 dots)	0.238 (32 dots)	0.856(49 dots)
F v	72Hz	75Hz	76Hz	60Hz
O (ms)	14 (1064 lines)	13.329(1066 lines)	13.139(1066 lines)	16.667(746 lines)
P (ms)	0.02 (2 lines)	0.038(3 lines)	0.099 (8 lines)	0.067(2.9 lines)
Q (ms)	0.5 (38 lines)	0.475(38 lines)	0.394 (32 lines)	0.495(22 lines)
R (ms)	13.468(1024 lines)	12.804(1024 lines)	12.622(1024 lines)	16.081(720 lines)
S (ms)	0.012 (0 line)	0.012 (1 line)	0.024(2 lines)	0.0228(1 lines)
SYNC. H/V POLARITY	+ / +	+ / +	- / -	- / +
SEP . SYNC	Y	Y	Y	Y

MODE NO.	33
RESOLUTION	960X720
Dot clock(MHz)	72.42
F h	56.4kHz
A (us)	17.73(1284 dots)
B (us)	1.44(104 dots)
C (us)	2.21(160 dots)
D (us)	13.256(960 dots)
E (us)	0.780(56 dots)
F v	75Hz
O (ms)	13.333(752 lines)
P (ms)	0.053(3 lines)
Q (ms)	0.5(28 lines)
R (ms)	12.766(720 lines)
S (ms)	0.0184(1 lines)
SYNC. H/V POLARITY	- / +
SEP . SYNC	Y

2.4 Horizontal scanning

Sync polarity : Positive or Negative
Scanning frequency : 30 – 83KHz

2.5 Vertical scanning

Sync polarity : Positive or Negative
Scanning frequency : 56 – 76 Hz

2.6 Power input connection

Power cord length : 1.8 M
Power cord type : 3 leads power cord with
protective earth plug.

2.7 Power management

The monitor must comply with the Microsoft On Now specification, with two power management states, as defined by the VESA DPMS document. The monitor must appropriately display the DPMS state.

Mode	HSYNC	VSYNC	Video	Pwr-cons.	Indication	Rec. time
Power-On	On	On	active	< 36 W	Green LED	--
Off	Off	Off	blanked	< 1 W	Amber LED	< 3 s
DC Power Off			N/A	< 1 W	LED Off	

2.8 Display identification

In accordance with VESA Display Channel Standard Ver.1.0 and having DDC 2B capability

2.9 USB Hub

NA

3. Visual characteristics

3.1 Test conditions

Unless otherwise specified, this specification is defined under the following conditions.

- (1) Input signal: As defined in 3.3, 1280 x 1024
non-interlaced mode (64 K/60Hz), signal
sources must have 75 ohm output impedance.
- (2) Luminance setting: controls to be set to 200 nits with full screen 100 % duty cycle white signal
- (3) Warm up: more than 30 minutes after power on with signal supplied.
- (4) Ambient light: 400 -- 600 lux.
- (5) Ambient temperature: 25 ± 5 °C

3.2 Brightness

>=250 nits (at panel color temperature, at center of the screen, set contrast and brightness at maximum.)

3.3 Image size

Actual display size 337.920 x 270.336mm

3.4 Brightness uniformity

Set contrast at 100% and turn the brightness to get average above 200 nits at centre of the screen.
Apply the Fig 1; it should comply with the following formula:

$$\frac{B_{\min}}{B_{\max}} \times 100\% > 75\%$$

Where B_{\max} = Maximum brightness

B_{\min} = Minimum brightness

3.5 Check Cross talk (S)

Apply Pattern 2. Set contrast and brightness at 100 %.
Measure YA. Then output Pattern 3 and measure YB.
the cross talk value :

$$\frac{ABS(YA - YB)}{YA} \times 100\% < 2.0 \%$$

3.6 White color adjustment

There are three factory preset white color 9300K, 6500K, sRGB.

Apply full white pattern, with brightness in 100 % position and the contrast control at 50 % position.
The 1931 CIE Chromaticity (color triangle) diagram (x,y)
coordinate for the screen center should be:

Product spec.

9300K CIE coordinates	$x = 0.283 \pm 0.02$	$y = 0.297 \pm 0.02$
6500K/ sRGB CIE coordinates	$x = 0.313 \pm 0.02$	$y = 0.329 \pm 0.02$
sRGB CIE coordinates	$x = 0.313 \pm 0.02$	$y = 0.329 \pm 0.02$

Production alignment spec.

9300K CIE coordinates	$x = 0.283 \pm 0.005$	$y = 0.297 \pm 0.005$
6500K/ sRGB CIE coordinates	$x = 0.313 \pm 0.005$	$y = 0.329 \pm 0.005$
sRGB CIE coordinates	$x = 0.313 \pm 0.005$	$y = 0.329 \pm 0.005$

Quality Inspection spec.

9300K CIE coordinates	$x = 0.283 \pm 0.015$	$y = 0.297 \pm 0.015$
6500K/ sRGB CIE coordinates	$x = 0.313 \pm 0.015$	$y = 0.329 \pm 0.015$
sRGB CIE coordinates	$x = 0.313 \pm 0.015$	$y = 0.329 \pm 0.015$

4. Mechanical characteristics

4.1 Cosmetic -

Philips ID

4.2 Mechanical data files -

ProE files required

4.3 Location of Philips logo -

Per Philips make-up sheet

4.4 The gap between Panel and front bezel < 0.8 mm

4.5 Location of Control icons - Per Philips Graphic sheet

4.6 Color for resin/paint - Per Philips make-up sheet

4.7 Resins

- RoHS required
- WEEE required.

4.8 If paint is used

- Rohs required
- WEEE require

4.9 Plastic mold tooling

- Tooling to be designed to minimize cosmetic defects induced by molding process (sink, blush, weld lines, gate marks, ejector marks, etc.).
- Painting to cover up cosmetic defects due to molding is strongly discouraged.

4.10 Plastics flammability

- All Plastics to be Flame Retardant UL 94-V0 or Better (if monitor weighs less than 18kg; UL94-V0 is OK).
- All major plastic parts (bezel, back cover) need to be molded from same resin.

4.11 Texture/Glossing of housing

- The texture area and texture no should follow Philips make-up sheet.
- The exterior surfaces shall have a uniform texture.
- Philips must approve the mold texturing.
- Detail document for texture refer to UAN-D249.
- < = 20 gloss units

4.12 Tilt and swivel base

Tilt angle: -5 ° max (forward) and +20 ° min. (backward).

4.13 Label

- Regulatory label / Carton label should follow Philips requirement.
- Detail document refer to Philips Engineering Reference Book.

4.14 Product dimension / Weight

- Unit dimension (incl. pedestal) : W: 380 mm, H: 387 mm, D: 200mm
- Packed unit dimension (WW carton) : W: 449mm, H: 182mm, D: 489mm
- Packed unit dimension (carton) - W: 460mm, H: 189mm, D: 499mm for China, India
- Net weight : 4.7 Kg (Including I/F cable)
- Gross weight : 6.1 Kg (for WWW)
- 6.2 Kg (for PRC)

4.15 Transportation

Transportation standards refer to TYE-M0002.

4.15.1 Transportation packages

Packaging and wrapping shall be sufficient to protect the product against damage or loss during shipment from the supplier to the destination specified in the purchase order. All packaging materials are subject to test and evaluation per TYE-M0002. The cushion material shall be constructed using EPS material.

4.15.2 Transportation Test

The overall test refer to TYE-M0002.

Vibration, drop test should be performed at ambient temperature(20°C to 23°C) and relative humidity (40% to 65%).

A. Transportation test specification for all regions except China/India

- Package test
 1. Random Vibration test
 2. Drop test
 3. Cold Drop test (for design reference)
- Un-package test
 1. Sine vibration (operating)
 2. Half sine shock test (non operation)

B. Transportation test specification for China/India

- Package test
 1. Random Vibration test
 2. Drop test
 3. Cold Drop test (for design reference)
- Un-package test
 1. Sine vibration (operating)
 2. Half sine shock test (non operation)

4.16 Pallet / Container loading

Transportation standards refer to TYE-M0002.	Except China		China/India	
	Pallet	Slip sheet	Pallet	Slip sheet
• Air shipment -	32 sets	---	28sets	---
• Sea container 20'(pallet/slip sheet) -	550	590	528	528
• Sea container 40'(pallet/slip sheet) -	1320	1430	1056	1056
• Sea container 40' High Cube (pallet/slip sheet) -1560		1560	1152	1248
• Truck shipment-		tbc		
• tbc				
A. Air shipment				
B. Container loading for other regions				
C. Truck loading for other regions				

5. Environmental characteristics

The following sections define the interference and susceptibility condition limits that might occur between external environment and the display device.

5.1 Susceptibility of display to external environment

Operating	
- Temperature	: 0 to 35 degree C
- Humidity	: 80% max
- Altitude	: 0-3658m

- Air pressure : 600-1100 mBAR
 - Storage
 - Temperature : -20 to 60 degree C
 - Humidity : 85% max (< 40°C)
 - Altitude : 0-12192m
 - Air pressure : 300-1100 mBAR
- Note: recommend at 5 to 35°C, Humidity less than 60 %

5.2 Display disturbances from external environment

According to IEC 801-2 for ESD disturbances

5.3 Display disturbances to external environment

Refer to Safety requirement

6. Reliability

6.1 Mean Time Between Failures

System MTBF (Excluding the LCD panel and CCFL) : 50,000 hrs

7. Quality assurance requirements

7.1 Acceptance test

According to MIL-STD-105D Control II level

AQL: 0.4 (major) 1.5 (minor)

(Please also refer to annual quality agreement)

Customer acceptance criteria: UAW0377/00

8. Serviceability

The serviceability of this monitor should fulfill the requirements which are prescribed in UAW-0346 and must be checked with the check list UAT-0361.

9. Philips’ Flat Panel Monitors Pixel Defect Policy

BRIGHT DOT DEFECTS	ACCEPTABLE LEVEL
MODEL	170S7
1 lit subpixels	3
2 adjacent lit subpixels	1
3 adjacent lit subpixels	0
Distance between two bright dot defects	> 15 mm
Total bright dot defects of all types	3

BLACK DOT DEFECTS	
MODEL	170S7
1 dark subpixels	4
2 adjacent dark subpixels	2
3 adjacent dark subpixels	0
Distance between two dark dot defects	> 15 mm
Total dark dot defects of all types	4

Total DOT DEFECTS	
MODEL	170S7
Total bright or dark dot defect of all type	5

Fig 1: Brightness Uniformity

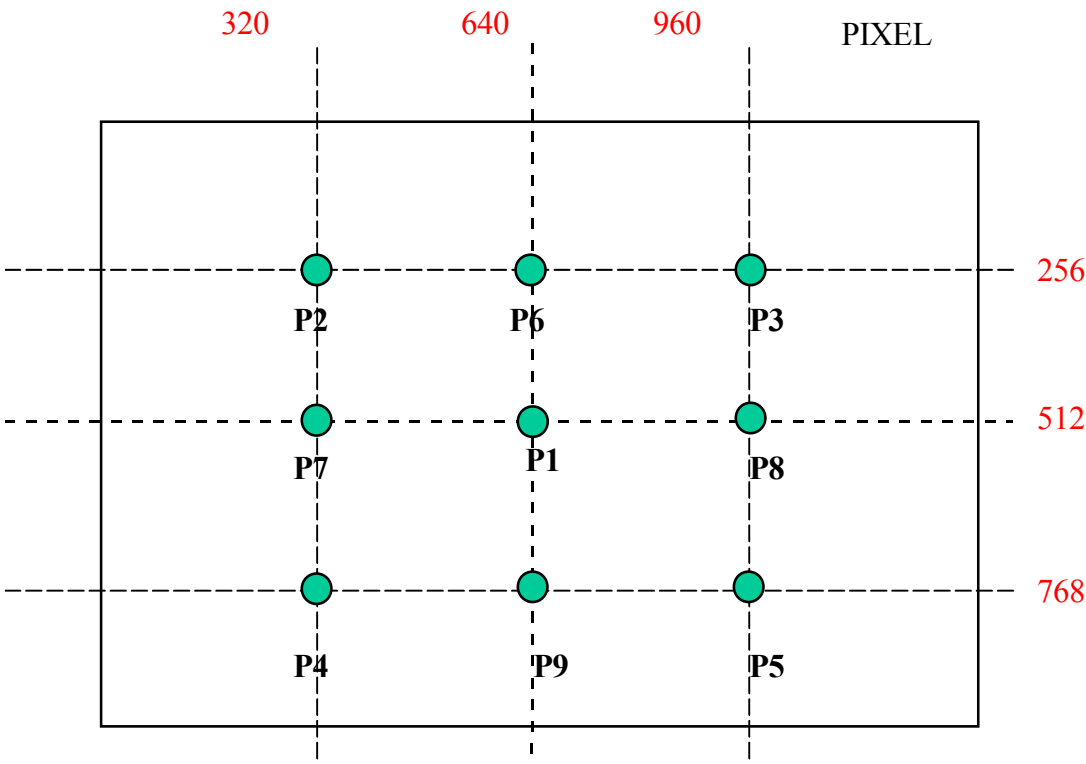


Fig 2: Cross talk pattern
Gray level 46 (64 Gray level)

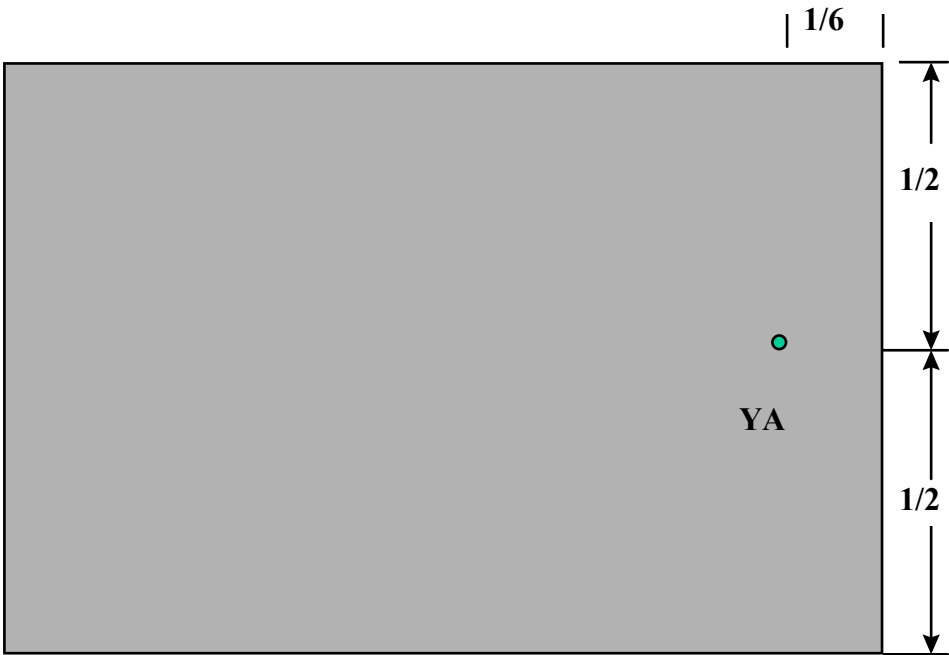
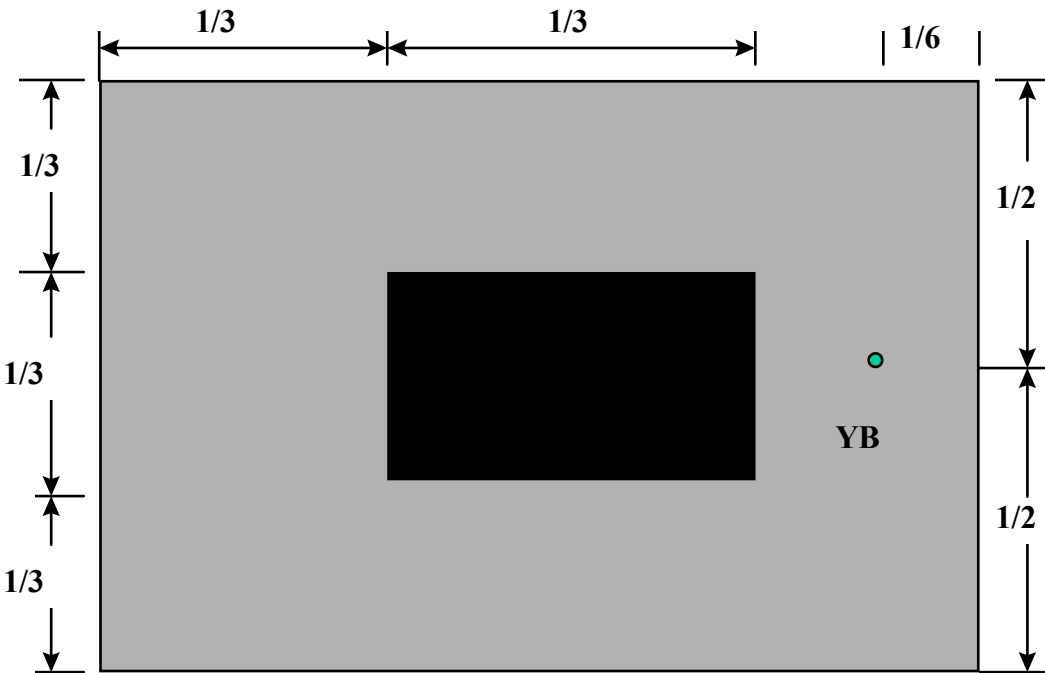
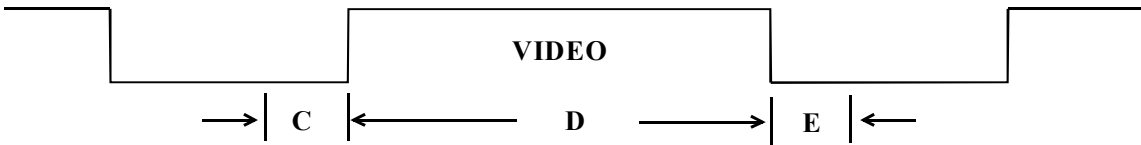


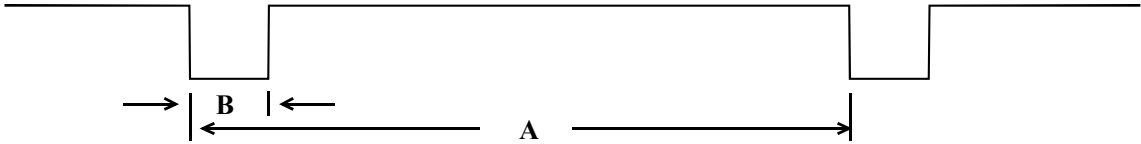
Fig 3: Cross talk Pattern
Center at Gray level 0 (Black)



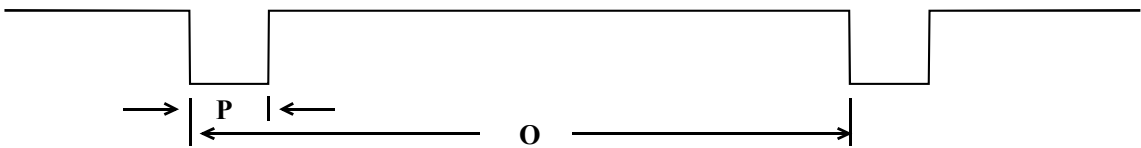
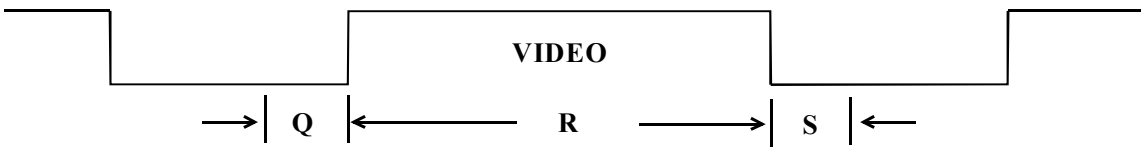
SEPARATE SYNC.



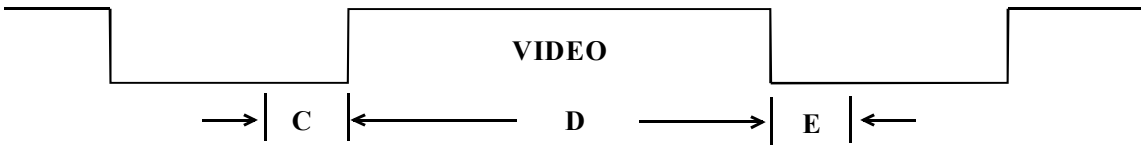
HORIZONTAL



VERTICAL



COMPOSITE SYNC.



HORIZONTAL

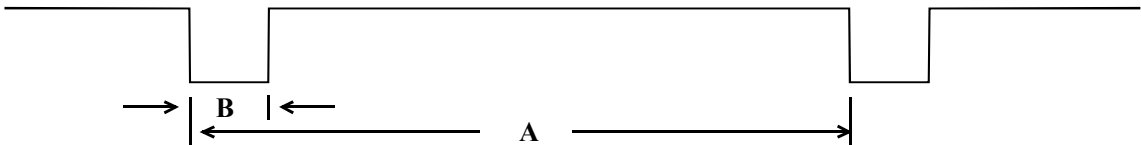


FIG-4 TIMING CHART -1